

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050719\
 Data File : VD062139.D
 Acq On : 7 May 2019 13:04
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: May 07 13:45:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 13:42:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	873569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	1193589	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	950440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	542925	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	415876	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
35) Dibromofluoromethane	6.89	113	539812	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	10.40	98	1324810	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	13.55	95	534577	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	422596	50.000	ug/l	100
3) Chloromethane	1.74	50	288635	50.000	ug/l	99
4) Vinyl Chloride	1.84	62	309549	50.000	ug/l	100
5) Bromomethane	2.14	94	74148	50.000	ug/l	97
6) Chloroethane	2.25	64	135857	50.000	ug/l	95
7) Trichlorofluoromethane	2.51	101	586555	50.000	ug/l	99
8) Diethyl Ether	2.85	74	112961	50.000	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.13	101	454660	50.000	ug/l	99
10) Methyl Iodide	3.29	142	670249	50.000	ug/l	92
11) Tert butyl alcohol	4.03	59	100448	250.000	ug/l #	92
12) 1,1-Dichloroethene	3.11	96	362269	50.000	ug/l	100
13) Acrolein	3.02	56	102799	250.000	ug/l	95
14) Allyl chloride	3.60	41	505799	50.000	ug/l	90
15) Acrylonitrile	4.17	53	267821	250.000	ug/l	90
16) Acetone	3.19	43	436720	250.000	ug/l #	89
17) Carbon Disulfide	3.36	76	992374	50.000	ug/l	100
18) Methyl Acetate	3.62	43	148054	50.000	ug/l	97
19) Methyl tert-butyl Ether	4.21	73	721558	50.000	ug/l	94
20) Methylene Chloride	3.79	84	345383	50.000	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	393832	50.000	ug/l	96
22) Diisopropyl ether	5.09	45	1033271	50.000	ug/l	98
23) Vinyl Acetate	5.02	43	2825947	250.000	ug/l	98
24) 1,1-Dichloroethane	4.96	63	606881	50.000	ug/l	99
25) 2-Butanone	6.04	43	446351	250.000	ug/l	99
26) 2,2-Dichloropropane	6.00	77	601113	50.000	ug/l	94
27) cis-1,2-Dichloroethene	6.01	96	406128	50.000	ug/l	98
28) Bromochloromethane	6.41	49	241462	50.000	ug/l	90
29) Tetrahydrofuran	6.42	42	199290	250.000	ug/l	98
30) Chloroform	6.64	83	749821	50.000	ug/l	97
31) Cyclohexane	6.93	56	438391	50.000	ug/l	97
32) 1,1,1-Trichloroethane	6.84	97	725737	50.000	ug/l	98
36) 1,1-Dichloropropene	7.12	75	497508	50.000	ug/l	96
37) Ethyl Acetate	6.16	43	215689	50.000	ug/l #	93
38) Carbon Tetrachloride	7.09	117	705376	50.000	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	500125	50.000	ug/l	97
40) Benzene	7.43	78	1128229	50.000	ug/l	99
41) Methacrylonitrile	6.42	41	253396	50.000	ug/l #	90
42) 1,2-Dichloroethane	7.55	62	481244	50.000	ug/l	97
43) Isopropyl Acetate	9.22	43	300124	50.000	ug/l #	93
44) Trichloroethene	8.52	130	443552	50.000	ug/l	90
45) 1,2-Dichloropropane	8.92	63	279293	50.000	ug/l	98
46) Dibromomethane	9.04	93	229193	50.000	ug/l	94
47) Bromodichloromethane	9.35	83	559570	50.000	ug/l	98
48) Methyl methacrylate	9.10	41	180822	50.000	ug/l	93
49) 1,4-Dioxane	9.06	88	39363	1000.000	ug/l #	86
51) 4-Methyl-2-Pentanone	10.28	43	935021	250.000	ug/l	95
52) Toluene	10.50	92	742543	50.000	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	490414	50.000	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	550265	50.000	ug/l	94
55) 1,1,2-Trichloroethane	11.17	97	272467	50.000	ug/l	95
56) Ethyl methacrylate	11.03	69	283864	50.000	ug/l	96
57) 1,3-Dichloropropane	11.39	76	421750	50.000	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	757781	250.000	ug/l	96
59) 2-Hexanone	11.52	43	702706	250.000	ug/l	95
60) Dibromochloromethane	11.67	129	459909	50.000	ug/l	100
61) 1,2-Dibromoethane	11.79	107	313146	50.000	ug/l	97
64) Tetrachloroethene	11.23	164	386621	50.000	ug/l	95
65) Chlorobenzene	12.38	112	872296	50.000	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	412689	50.000	ug/l	95
67) Ethyl Benzene	12.51	91	1568608	50.000	ug/l	97
68) m/p-Xylenes	12.66	106	1180122	100.000	ug/l	98
69) o-Xylene	13.03	106	529645	50.000	ug/l	91
70) Styrene	13.06	104	865882	50.000	ug/l	98
71) Bromoform	13.22	173	286274	50.000	ug/l	100
73) Isopropylbenzene	13.40	105	1619368	50.000	ug/l	99
74) N-amyl acetate	13.25	43	418375	50.000	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	290281	50.000	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	299631	50.000	ug/l	100
77) Bromobenzene	13.66	156	421635	50.000	ug/l	94
78) n-propylbenzene	13.76	91	1833362	50.000	ug/l	97
79) 2-Chlorotoluene	13.83	91	1082633	50.000	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	1328386	50.000	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	93395	50.000	ug/l	91
82) 4-Chlorotoluene	13.94	91	1278145	50.000	ug/l	90
83) tert-Butylbenzene	14.18	119	1540493	50.000	ug/l	94
84) 1,2,4-Trimethylbenzene	14.22	105	1338191	50.000	ug/l	95
85) sec-Butylbenzene	14.36	105	1648947	50.000	ug/l	99
86) p-Isopropyltoluene	14.48	119	1572835	50.000	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	811462	50.000	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	769413	50.000	ug/l	97
89) n-Butylbenzene	14.79	91	1273548	50.000	ug/l	95
90) Hexachloroethane	15.00	117	409905	50.000	ug/l	70
91) 1,2-Dichlorobenzene	14.80	146	632814	50.000	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	49004	50.000	ug/l	88

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QLast Update : Tue May 07 13:42:20 2019
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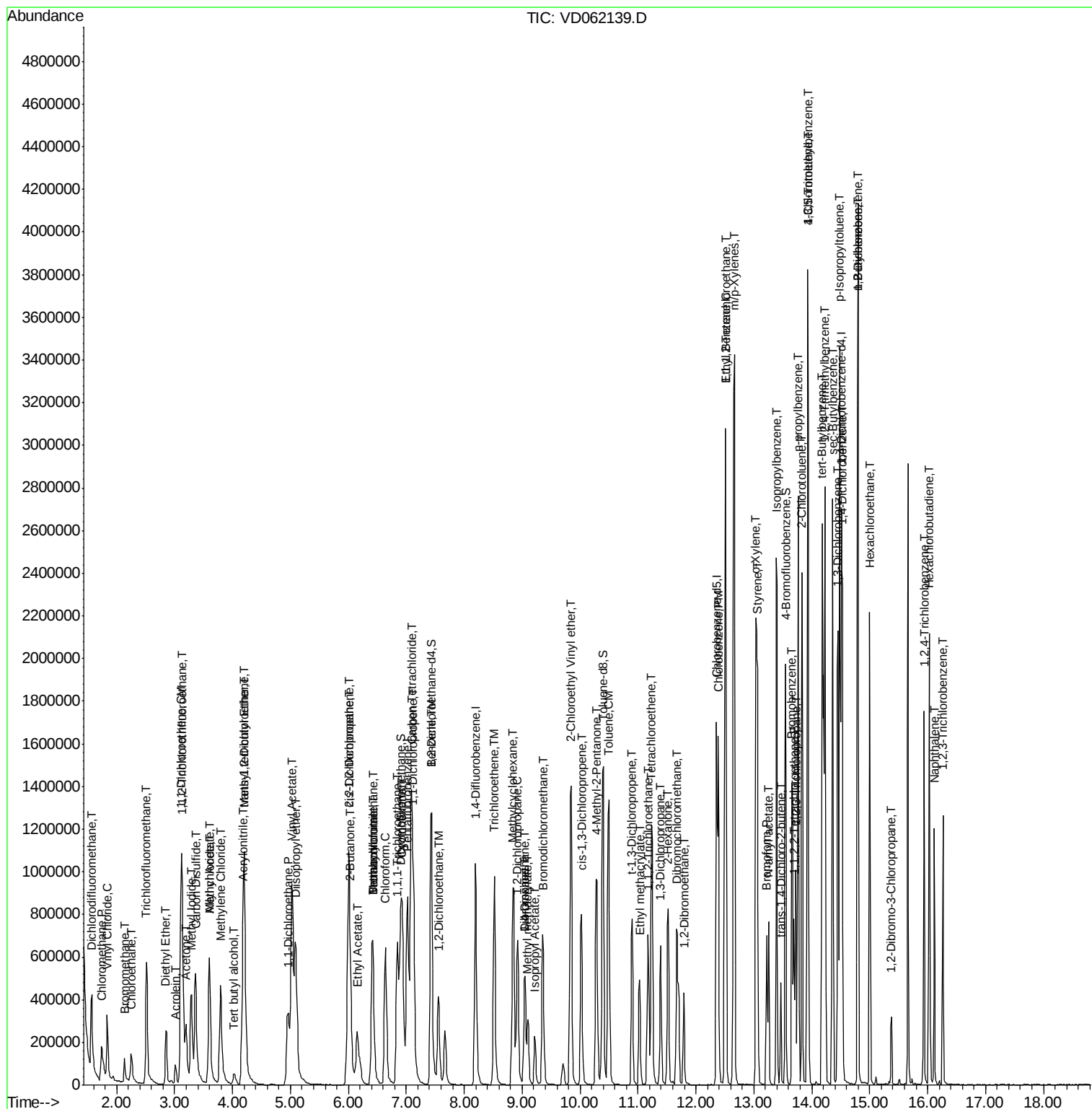
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	461272	50.000	ug/l	95
94) Hexachlorobutadiene	16.03	225	357435	50.000	ug/l	99
95) Naphthalene	16.11	128	690456	50.000	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	304427	50.000	ug/l	96

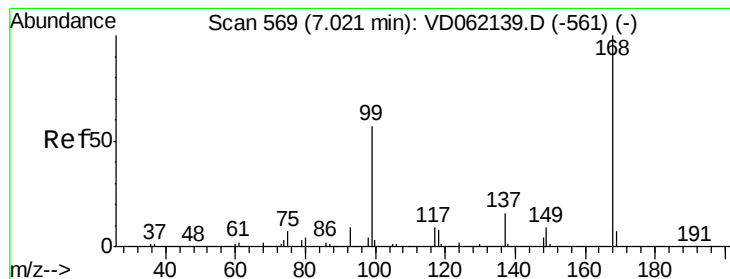
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

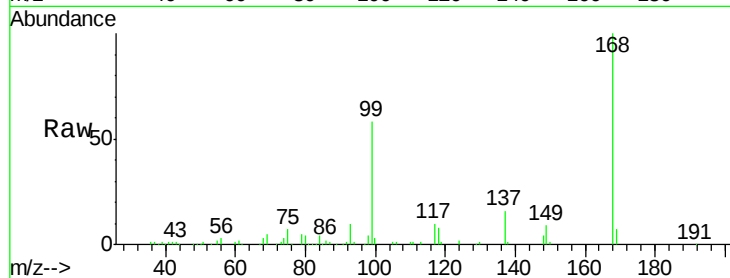
VSTDICCC050

Tot Ion:168 Resp: 873569

Ion Ratio Lower Upper

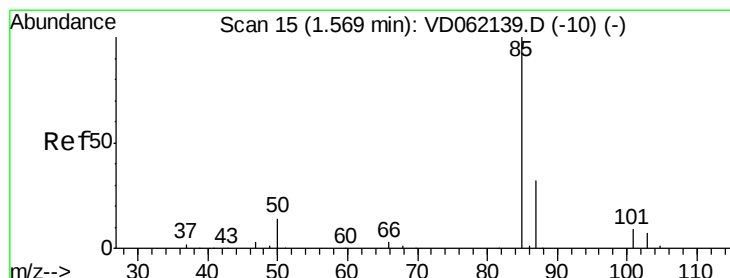
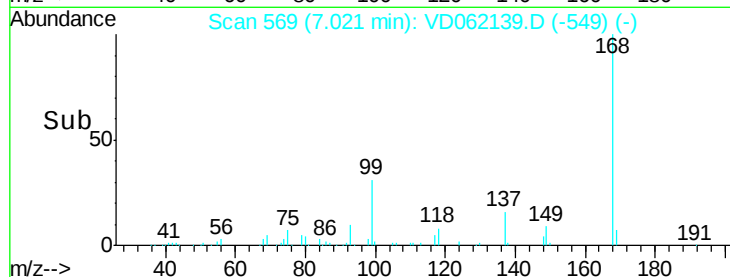
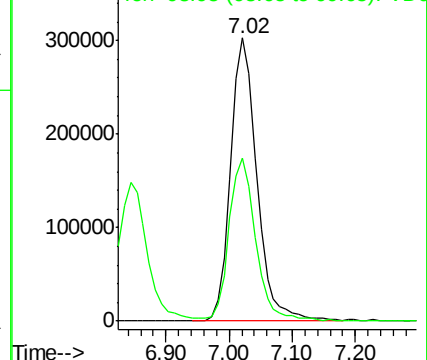
168 100

99 57.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 50.000 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062139.D

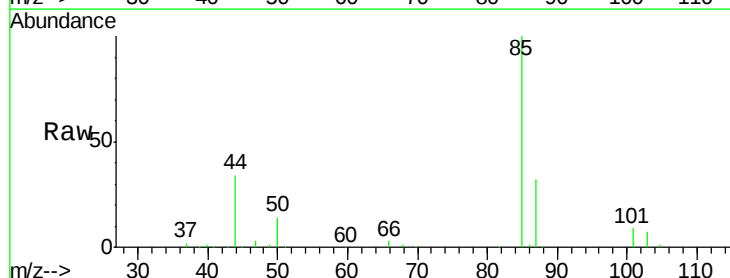
Acq: 7 May 2019 13:04

Tgt Ion: 85 Resp: 422596

Ion Ratio Lower Upper

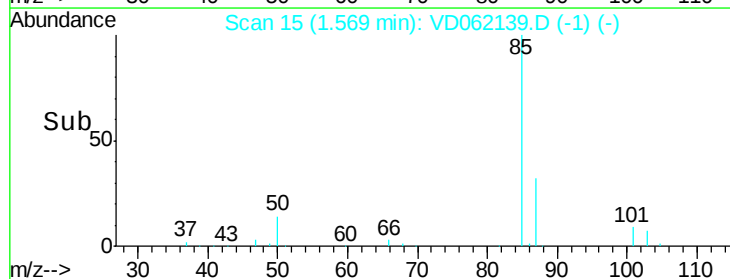
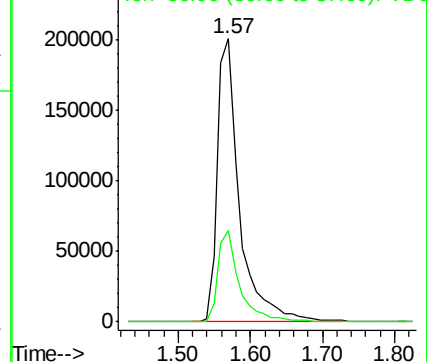
85 100

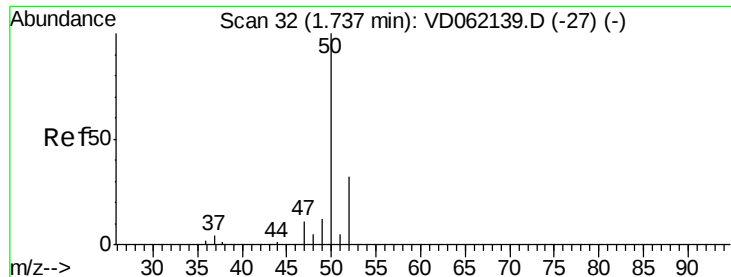
87 32.1 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.000 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

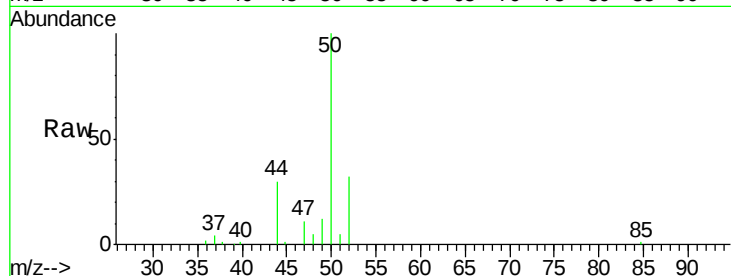
VSTDICCC050

Tot Ion: 50 Resp: 288635

Ion Ratio Lower Upper

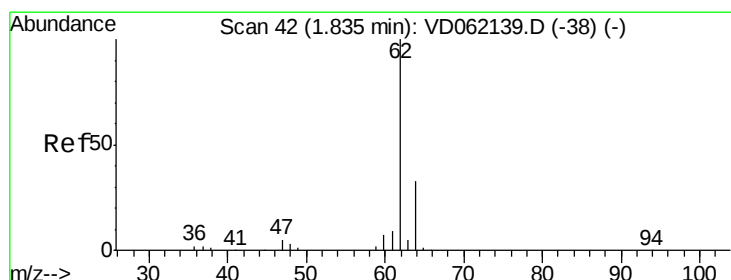
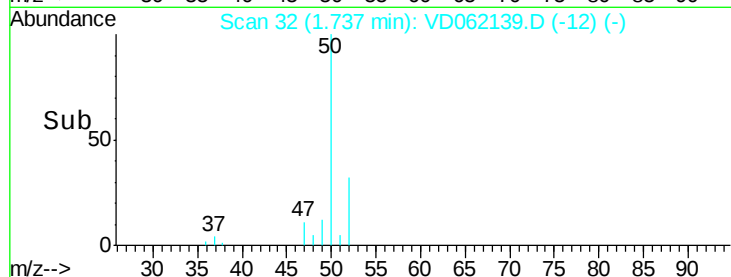
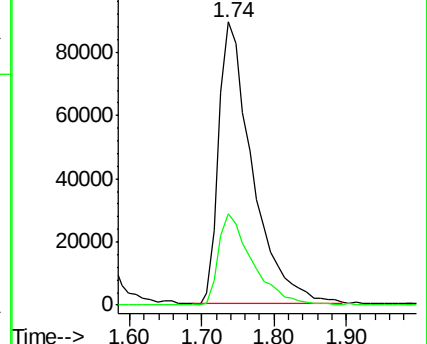
50 100

52 32.3 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.000 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD062139.D

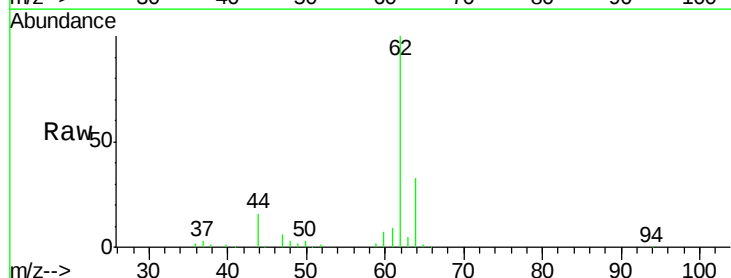
Acq: 7 May 2019 13:04

Tgt Ion: 62 Resp: 309549

Ion Ratio Lower Upper

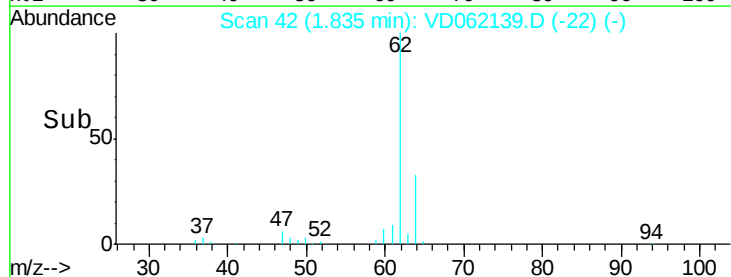
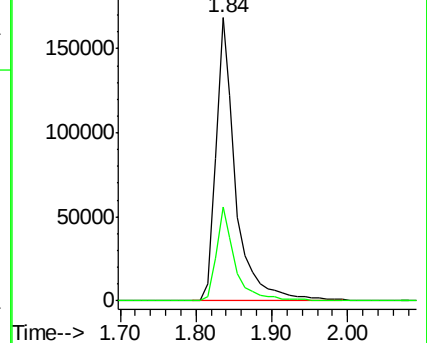
62 100

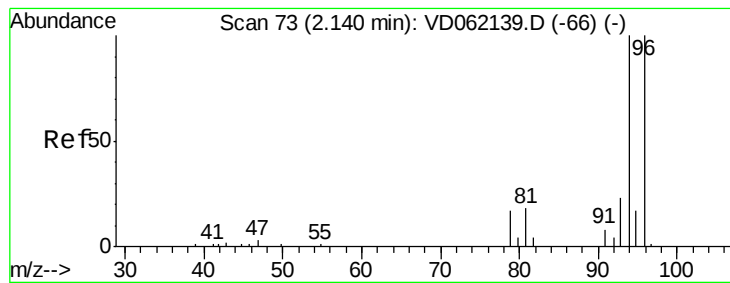
64 33.2 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 50.000 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

Instrument :

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ClientSampleId :

VSTDICCC050

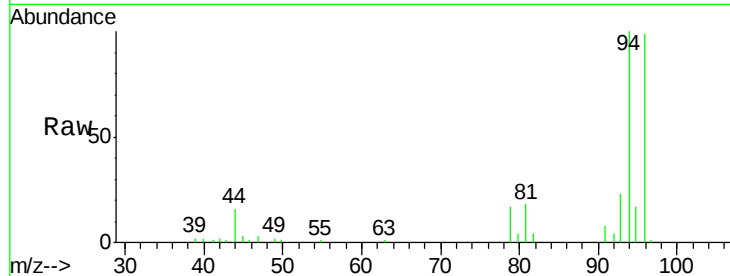
Tot Ion: 94 Resp: 74148

Ion Ratio Lower Upper

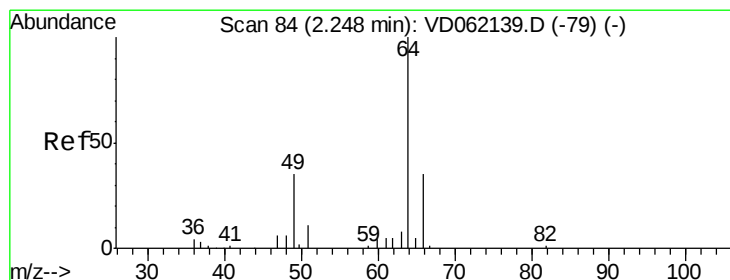
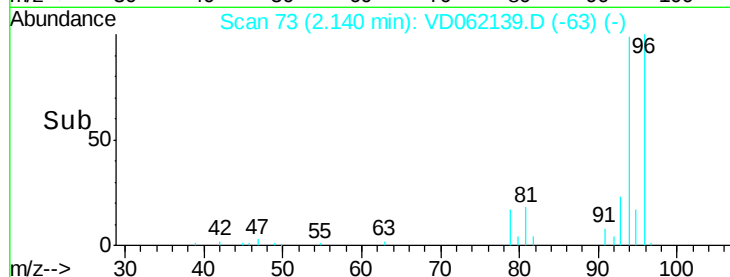
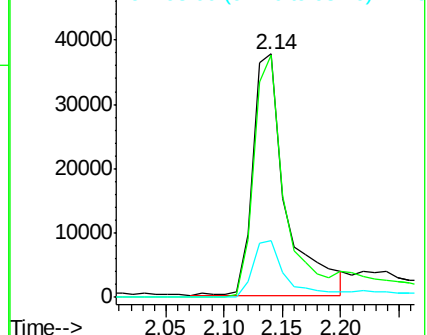
94 100

96 99.4 76.6 115.0

93 23.1 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 50.000 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VD062139.D

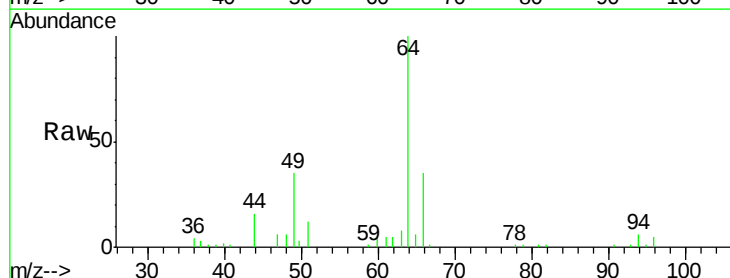
Acq: 7 May 2019 13:04

Tgt Ion: 64 Resp: 135857

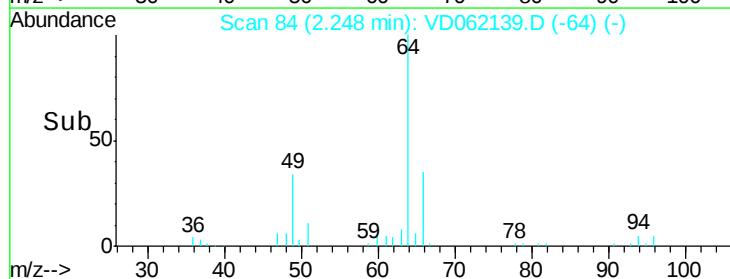
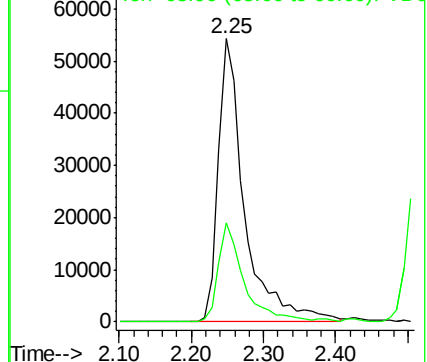
Ion Ratio Lower Upper

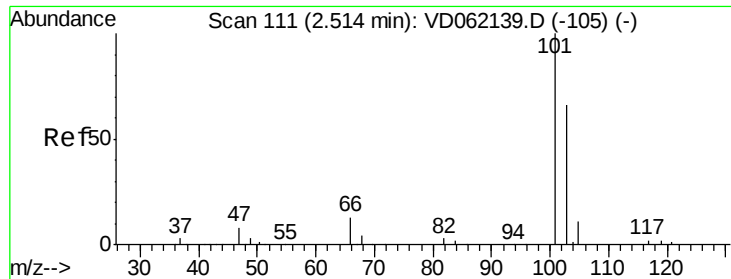
64 100

66 34.8 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



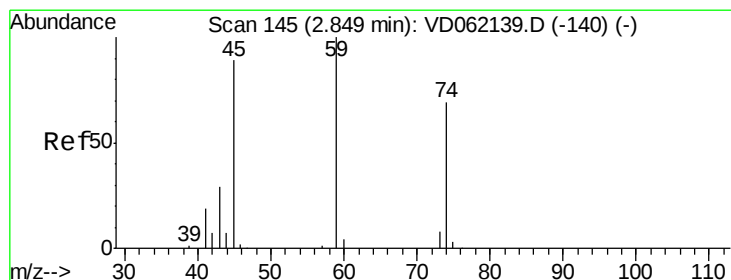
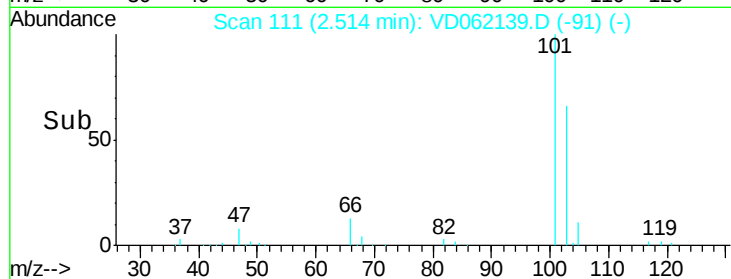
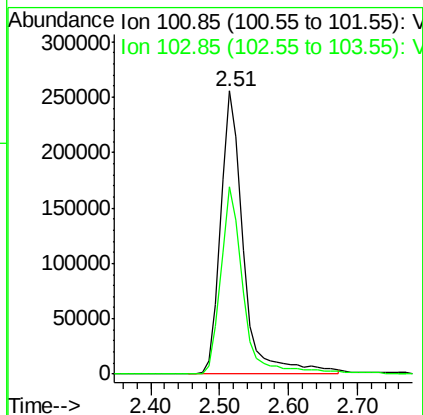
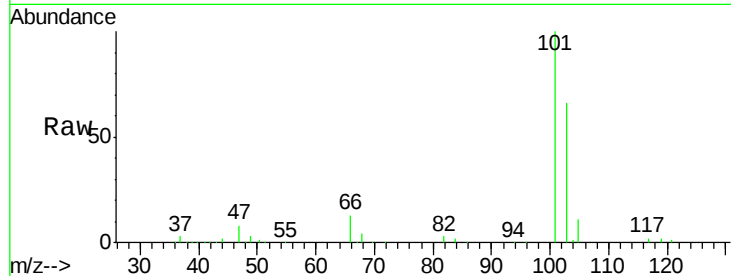


#7

Trichlorofluoromethane
Concen: 50.000 ug/l
RT: 2.51 min Scan# 111
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

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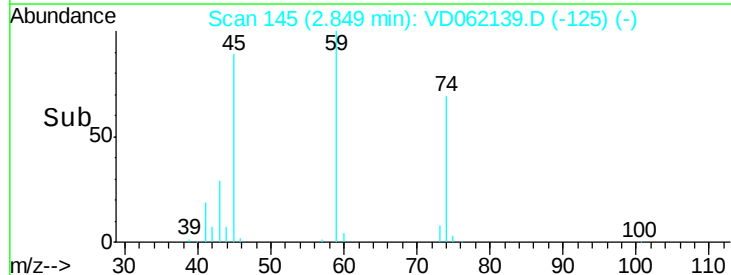
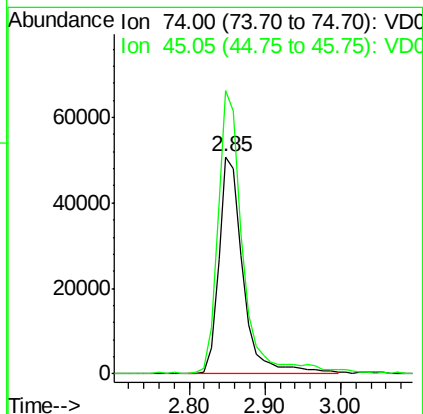
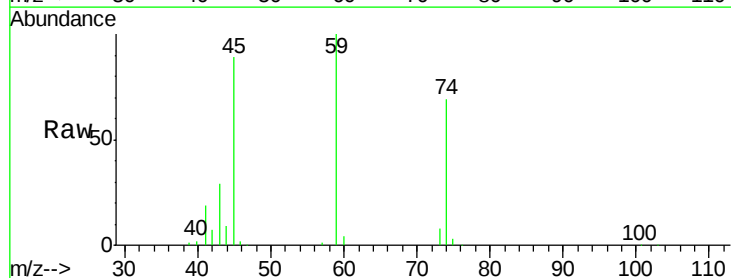
Tot Ion:101 Resp: 586555
Ion Ratio Lower Upper
101 100
103 66.2 53.6 80.4

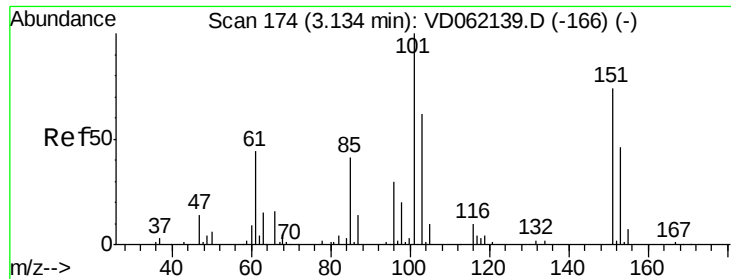


#8

Diethyl Ether
Concen: 50.000 ug/l
RT: 2.85 min Scan# 145
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Tgt Ion: 74 Resp: 112961
Ion Ratio Lower Upper
74 100
45 130.4 56.9 170.7

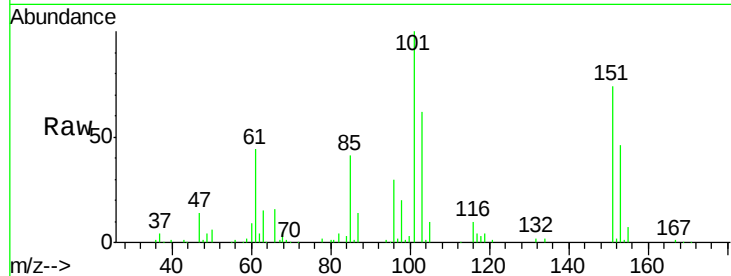




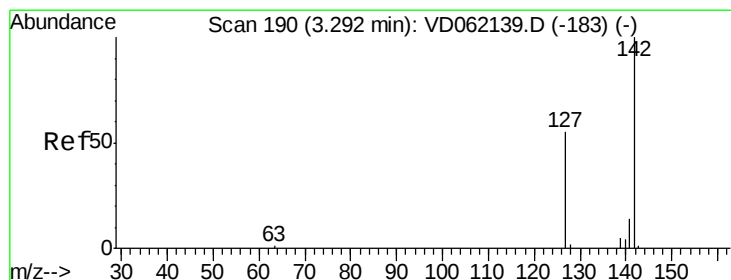
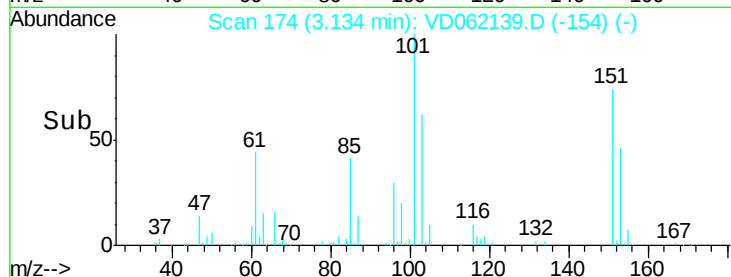
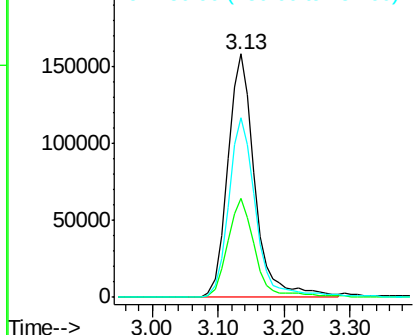
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.000 ug/l
 RT: 3.13 min Scan# 174
 Delta R.T. 0.00 min
 Lab File: VD062139.D
 Acq: 7 May 2019 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:101 Resp: 454660
 Ion Ratio Lower Upper
 101 100
 85 40.8 32.4 48.6
 151 73.6 59.4 89.0

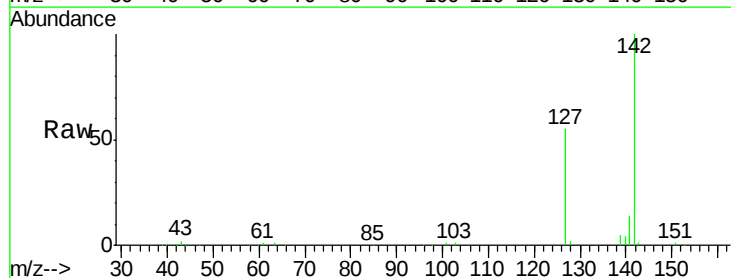


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

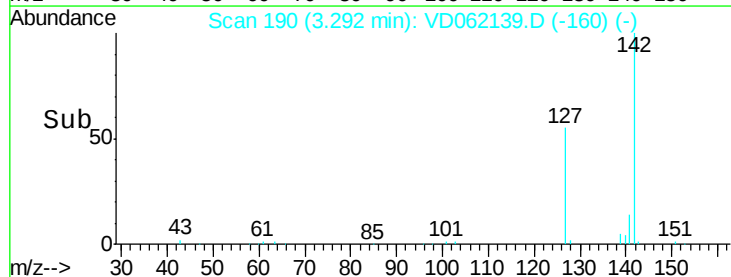
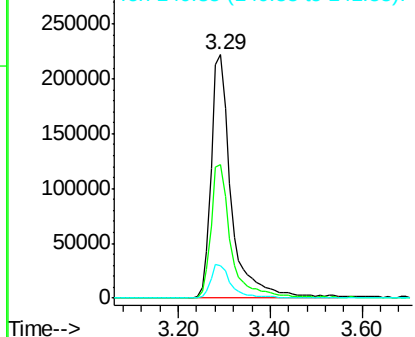


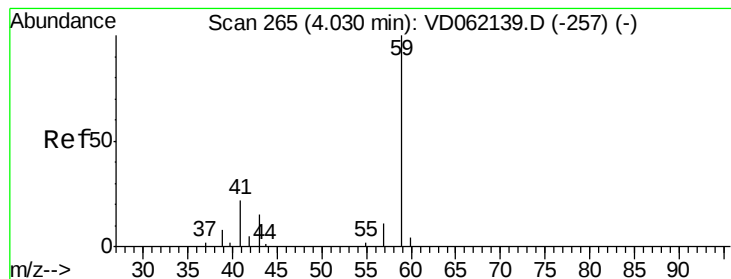
#10
 Methyl Iodide
 Concen: 50.000 ug/l
 RT: 3.29 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: VD062139.D
 Acq: 7 May 2019 13:04

Tgt Ion:142 Resp: 670249
 Ion Ratio Lower Upper
 142 100
 127 54.9 38.8 58.2
 141 13.5 11.4 17.0



Abundance Ion 141.85 (141.55 to 142.55): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.85 (140.55 to 141.55): V



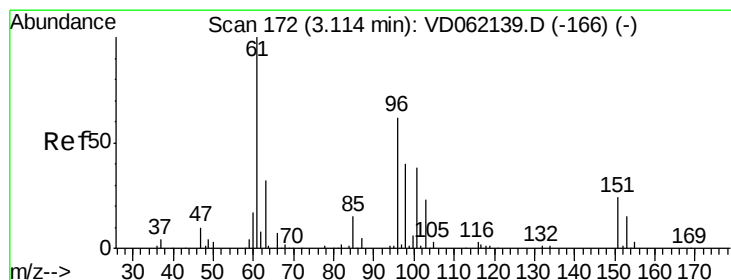
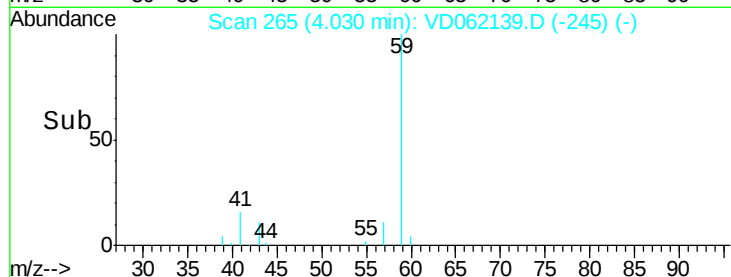
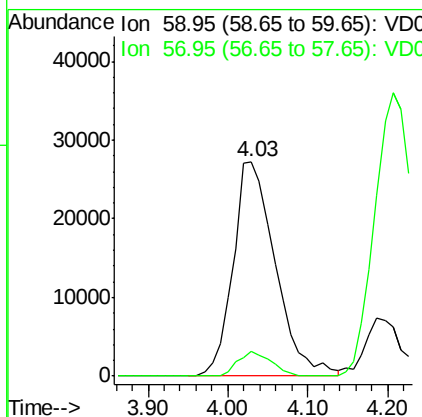
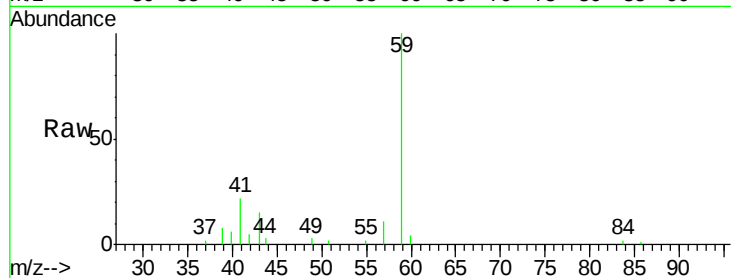


#11

Tert butyl alcohol
 Concen: 250.000 ug/l
 RT: 4.03 min Scan# 265
 Delta R.T. 0.00 min
 Lab File: VD062139.D
 Acq: 7 May 2019 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

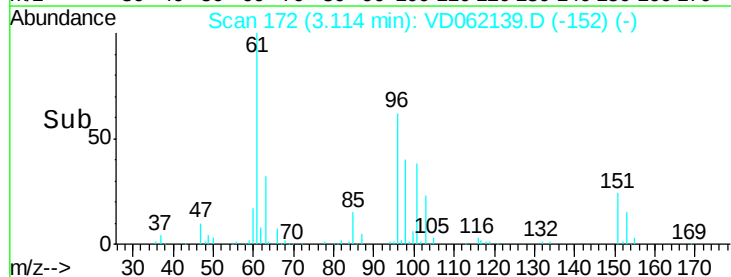
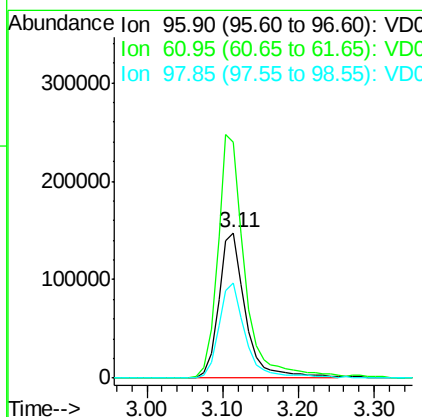
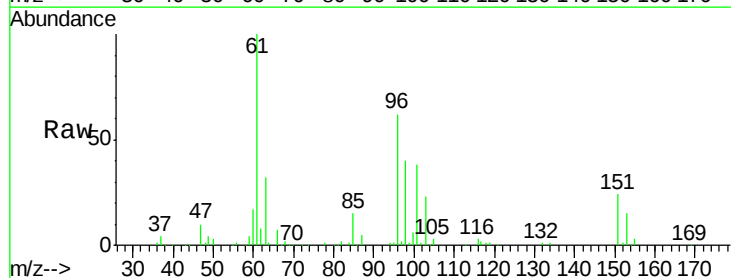
Tot Ion: 59 Resp: 100448
 Ion Ratio Lower Upper
 59 100
 57 11.4 6.9 10.3#

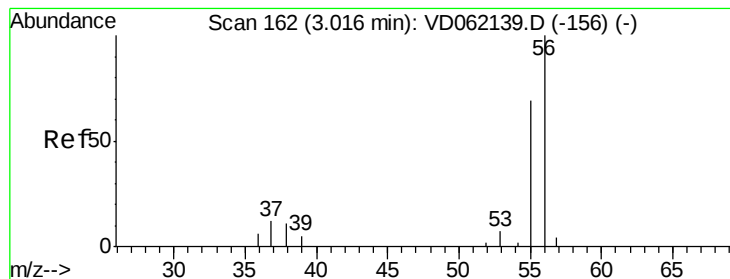


#12

1,1-Dichloroethene
 Concen: 50.000 ug/l
 RT: 3.11 min Scan# 172
 Delta R.T. 0.00 min
 Lab File: VD062139.D
 Acq: 7 May 2019 13:04

Tgt Ion: 96 Resp: 362269
 Ion Ratio Lower Upper
 96 100
 61 162.4 129.8 194.8
 98 65.2 51.2 76.8





#13

Acrolein

Concen: 250.000 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

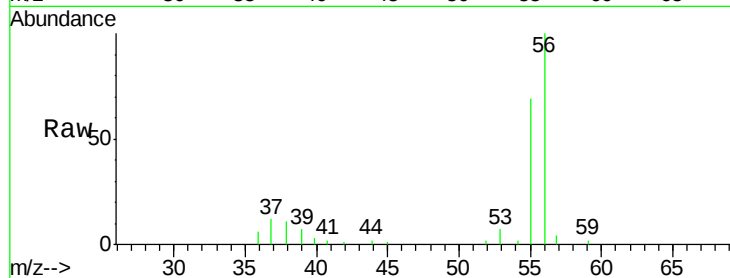
VSTDICCC050

Tot Ion: 56 Resp: 102799

Ion Ratio Lower Upper

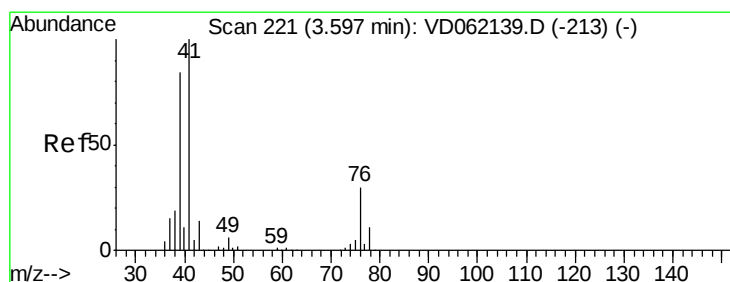
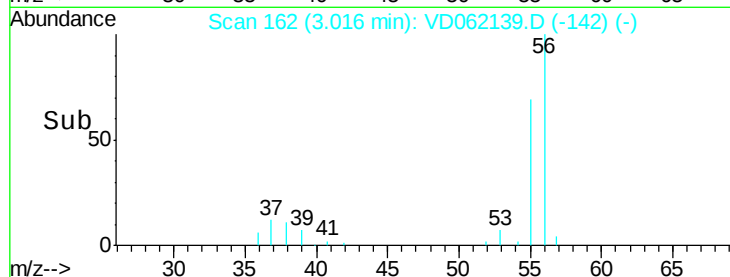
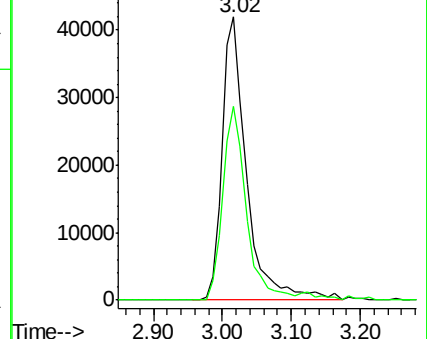
56 100

55 68.6 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 50.000 ug/l

RT: 3.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

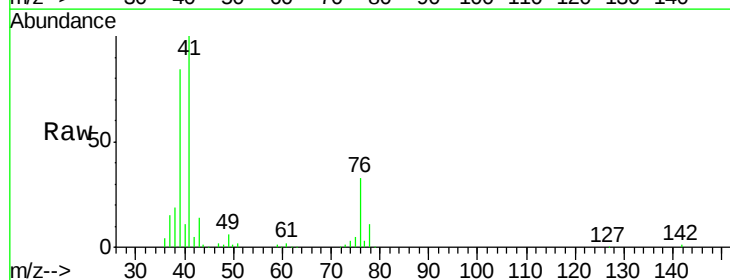
Tgt Ion: 41 Resp: 505799

Ion Ratio Lower Upper

41 100

39 84.2 60.5 90.7

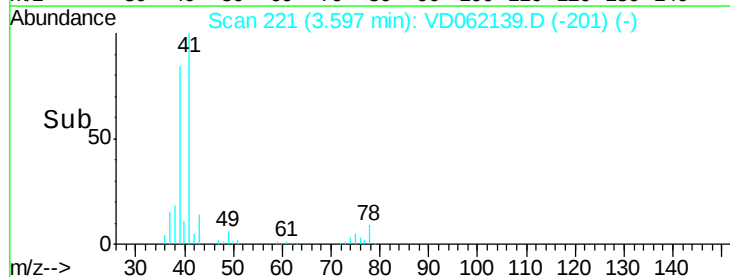
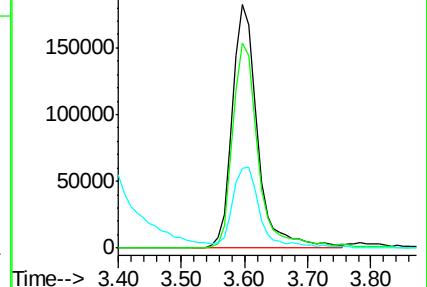
76 33.0 31.8 47.8

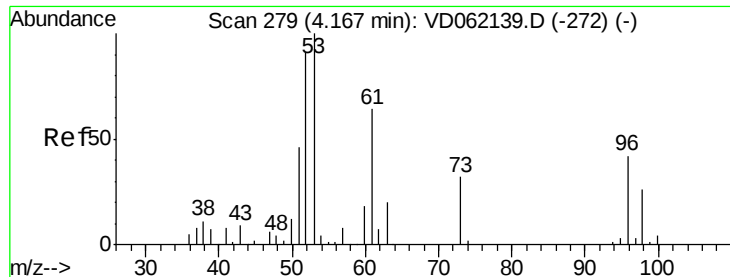


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 250.000 ug/l

RT: 4.17 min Scan# 279

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

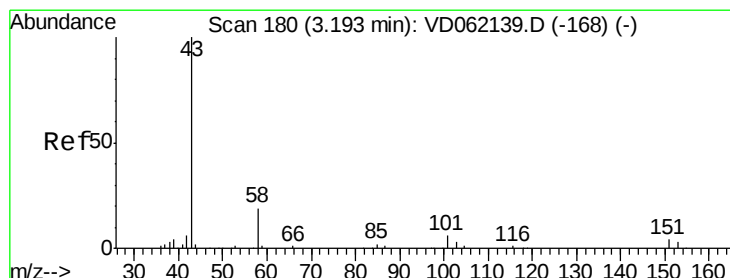
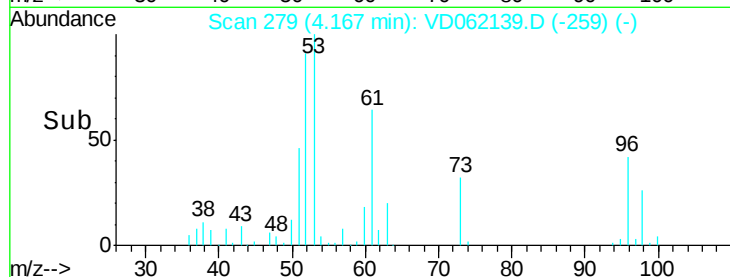
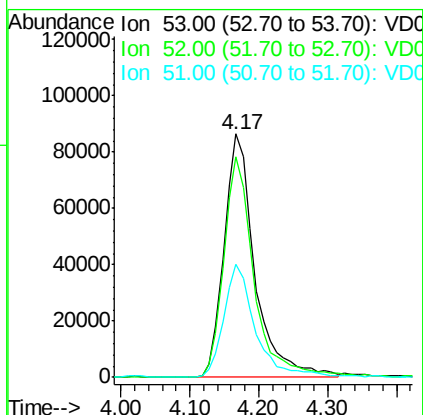
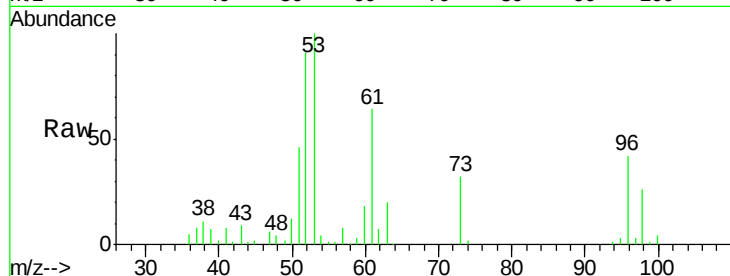
Tot Ion: 53 Resp: 267821

Ion Ratio Lower Upper

53 100

52 90.6 65.0 97.4

51 46.4 32.6 48.8



#16

Acetone

Concen: 250.000 ug/l

RT: 3.19 min Scan# 180

Delta R.T. 0.00 min

Lab File: VD062139.D

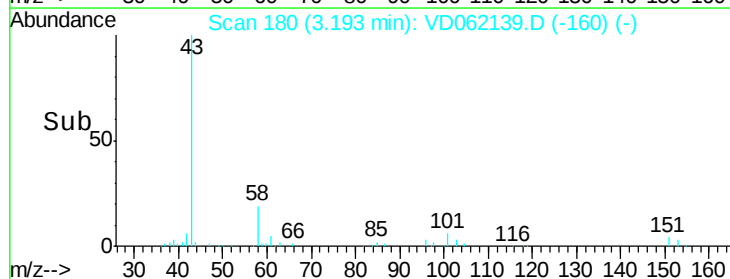
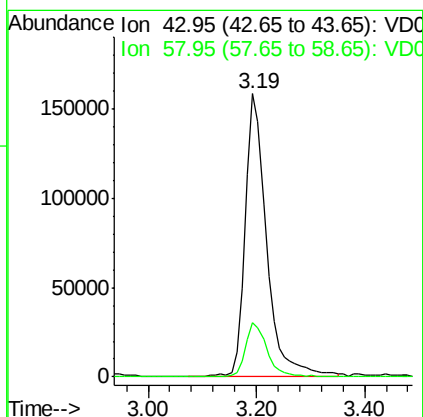
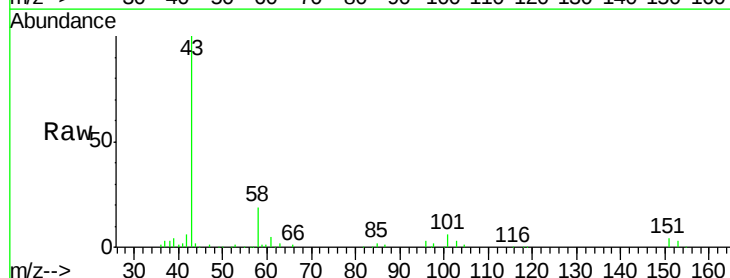
Acq: 7 May 2019 13:04

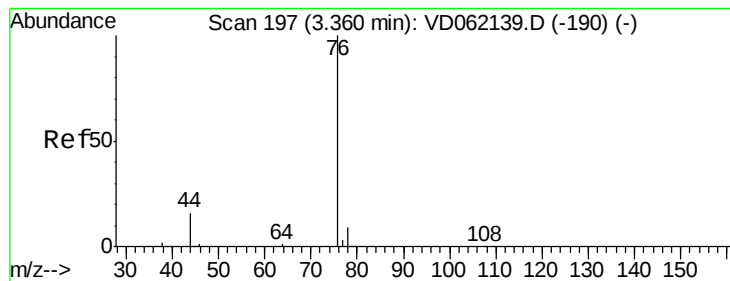
Tgt Ion: 43 Resp: 436720

Ion Ratio Lower Upper

43 100

58 19.4 19.9 29.9#





#17

Carbon Disulfide

Concen: 50.000 ug/l

RT: 3.36 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

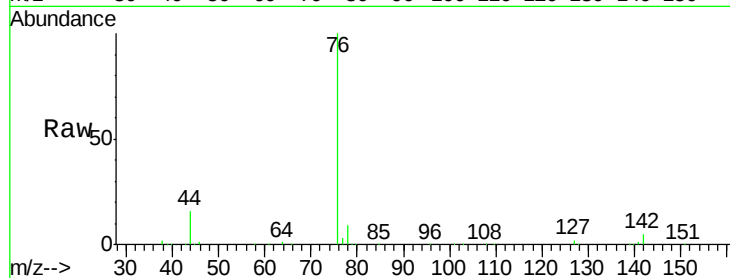
VSTDICCC050

Tot Ion: 76 Resp: 992374

Ion Ratio Lower Upper

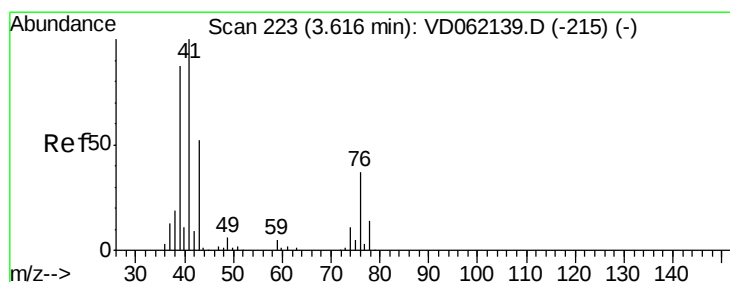
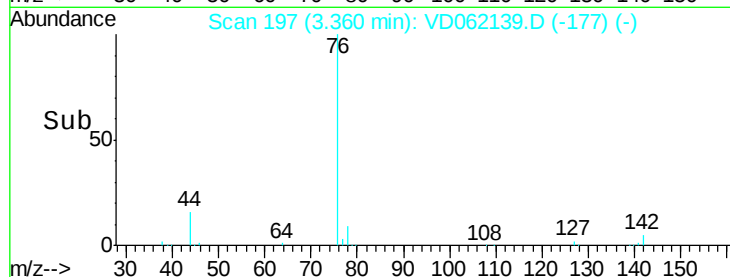
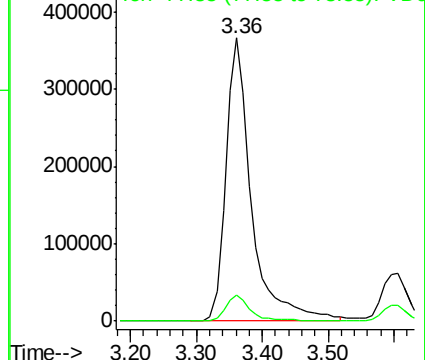
76 100

78 9.1 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 50.000 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.00 min

Lab File: VD062139.D

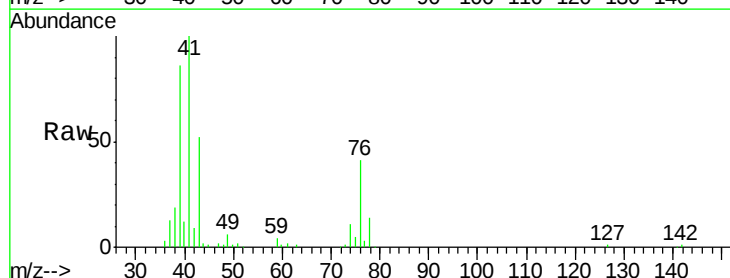
Acq: 7 May 2019 13:04

Tgt Ion: 43 Resp: 148054

Ion Ratio Lower Upper

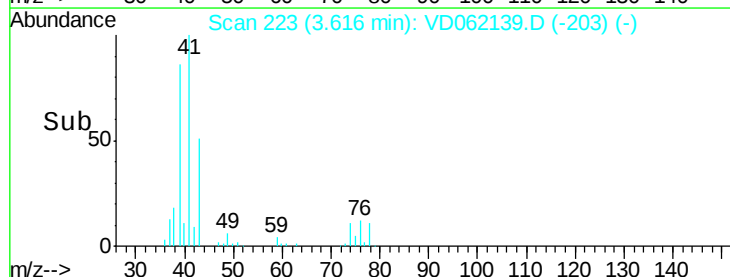
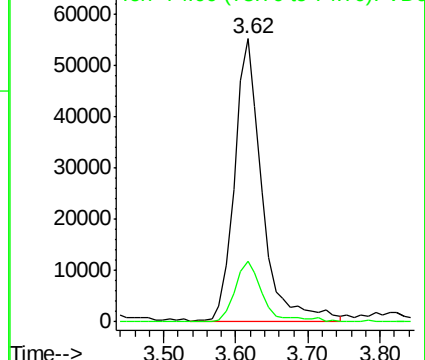
43 100

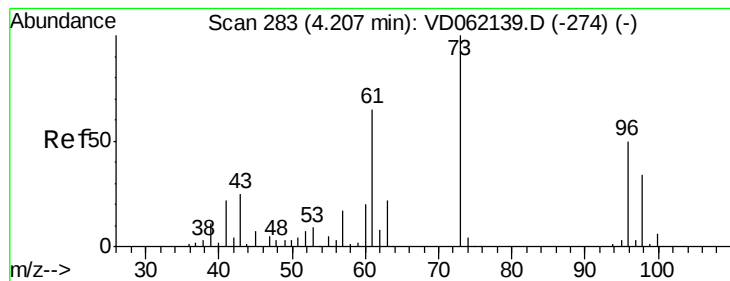
74 21.2 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



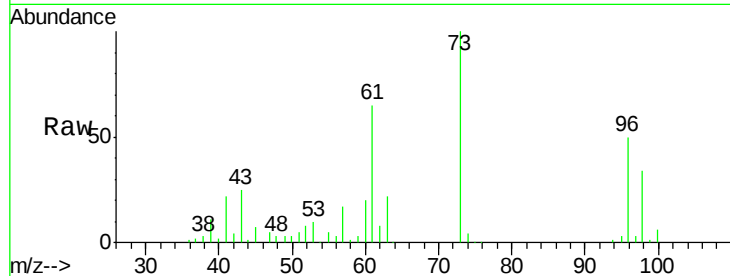


#19

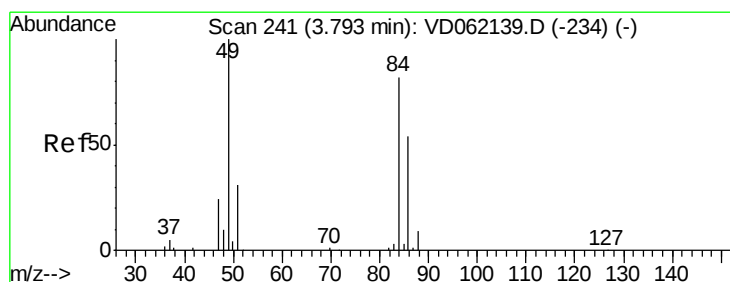
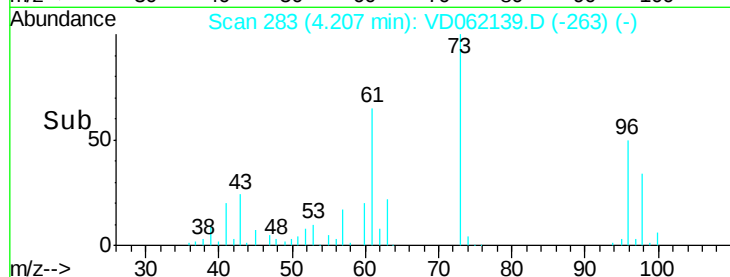
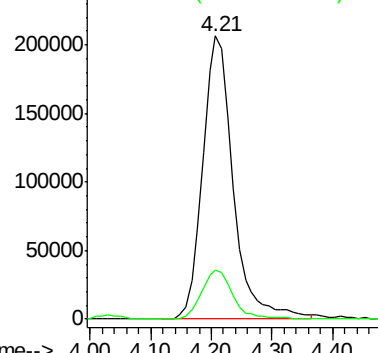
Methyl tert-butyl Ether
 Concen: 50.000 ug/l
 RT: 4.21 min Scan# 283
 Delta R.T. 0.00 min
 Lab File: VD062139.D
 Acq: 7 May 2019 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 73 Resp: 721558
 Ion Ratio Lower Upper
 73 100
 57 17.4 16.3 24.5



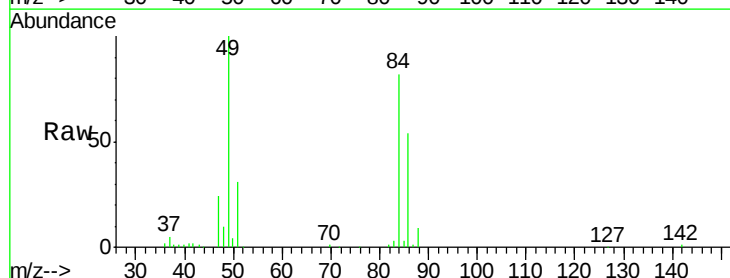
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



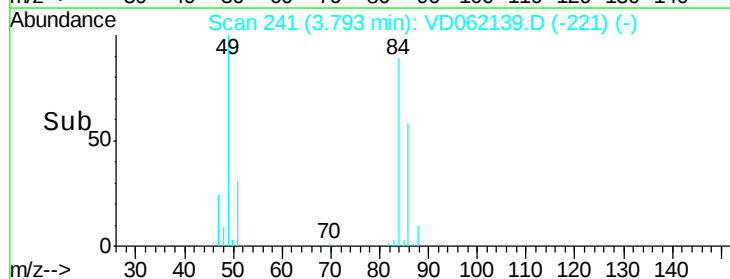
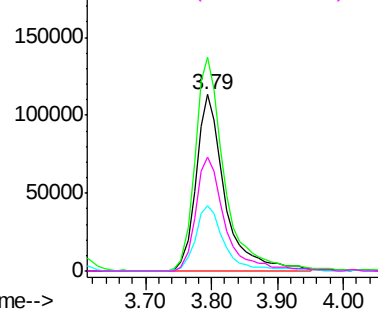
#20

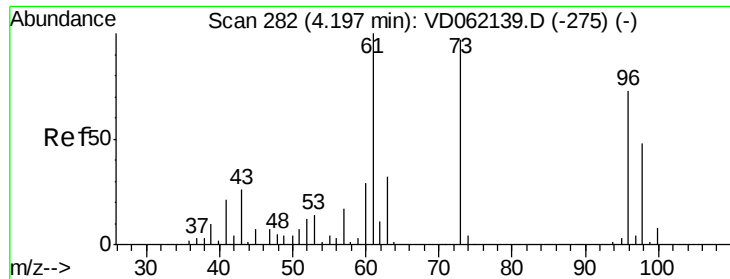
Methylene Chloride
 Concen: 50.000 ug/l
 RT: 3.79 min Scan# 241
 Delta R.T. 0.00 min
 Lab File: VD062139.D
 Acq: 7 May 2019 13:04

Tgt Ion: 84 Resp: 345383
 Ion Ratio Lower Upper
 84 100
 49 121.3 94.0 141.0
 51 37.2 29.0 43.4
 86 64.9 49.8 74.6



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC

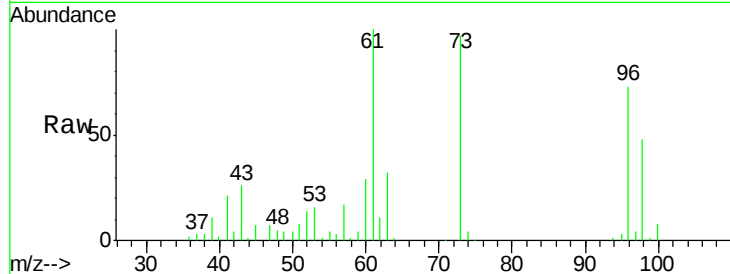




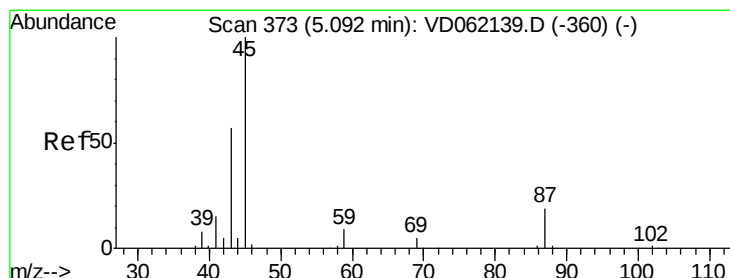
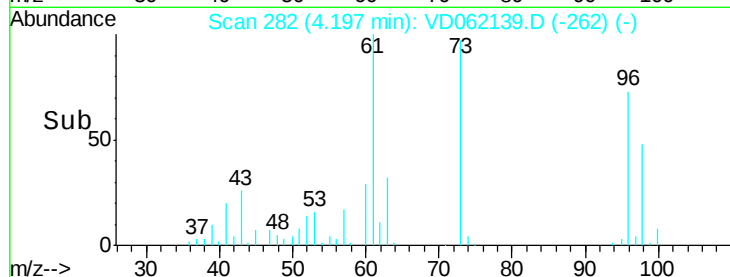
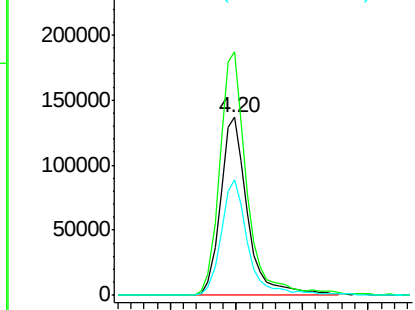
#21
trans-1,2-Dichloroethene
Concen: 50.000 ug/l
RT: 4.20 min Scan# 282
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 96 Resp: 393832
Ion Ratio Lower Upper
96 100
61 136.9 104.4 156.6
98 65.2 51.8 77.8

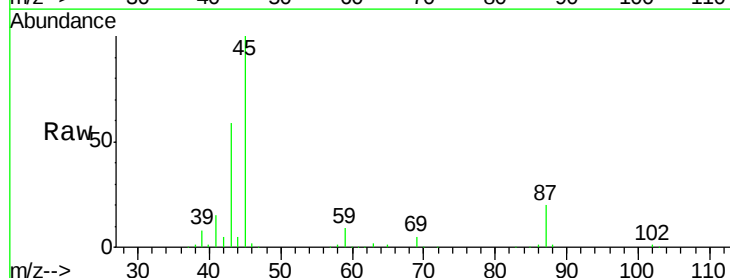


Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

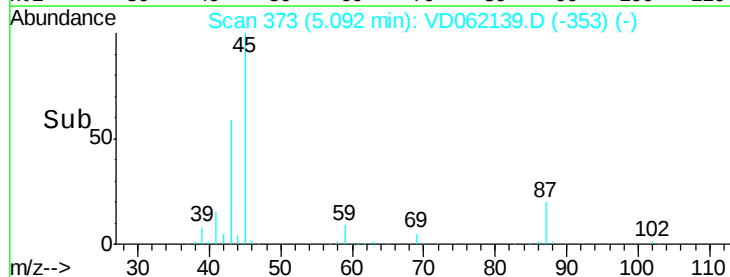
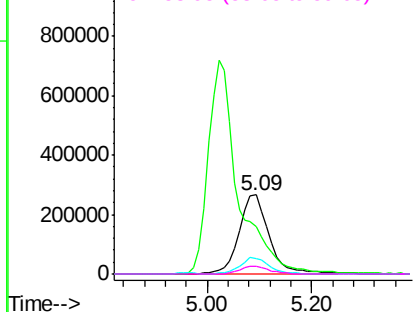


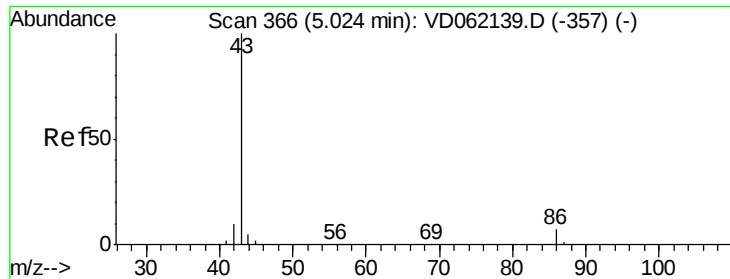
#22
Diisopropyl ether
Concen: 50.000 ug/l
RT: 5.09 min Scan# 373
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Tgt Ion: 45 Resp: 1033271
Ion Ratio Lower Upper
45 100
43 59.1 46.2 69.2
87 20.2 15.9 23.9
59 9.5 7.9 11.9



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 250.000 ug/l

RT: 5.02 min Scan# 366

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

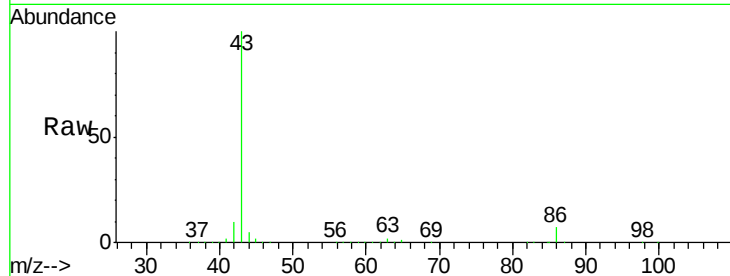
VSTDICCC050

Tot Ion: 43 Resp: 2825947

Ion Ratio Lower Upper

43 100

86 7.2 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.02

800000

600000

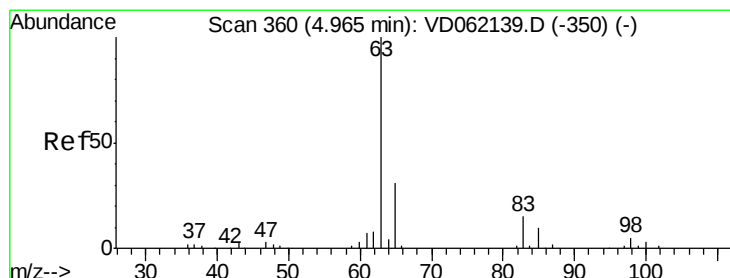
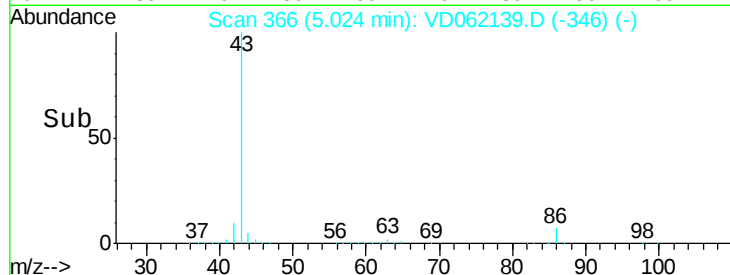
400000

200000

0

Time-->

4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 50.000 ug/l

RT: 4.96 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

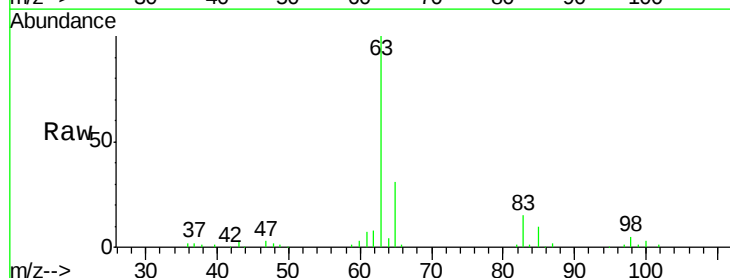
Tgt Ion: 63 Resp: 606881

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.4

100 3.3 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

200000

150000

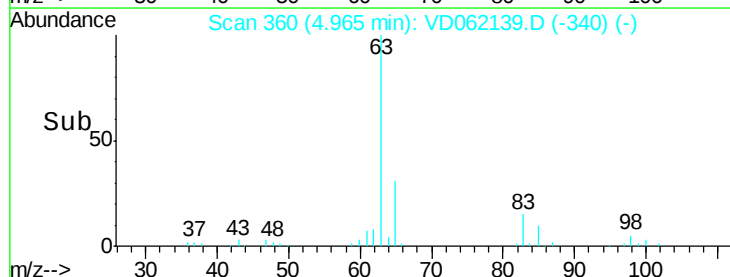
100000

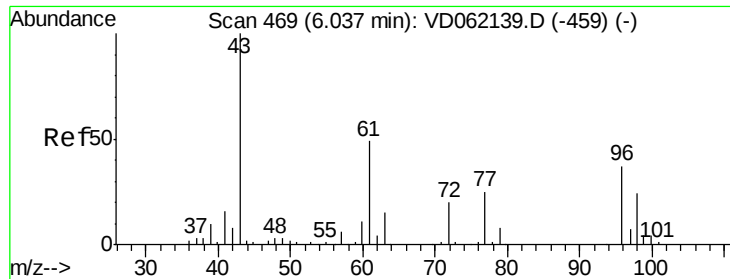
50000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 250.000 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

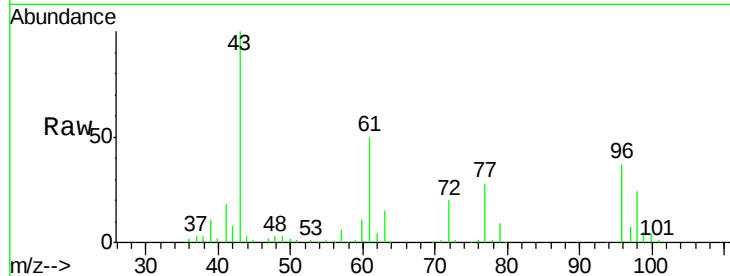
VSTDICCC050

Tot Ion: 43 Resp: 446351

Ion Ratio Lower Upper

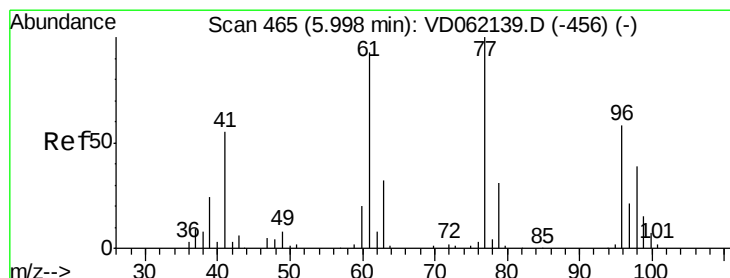
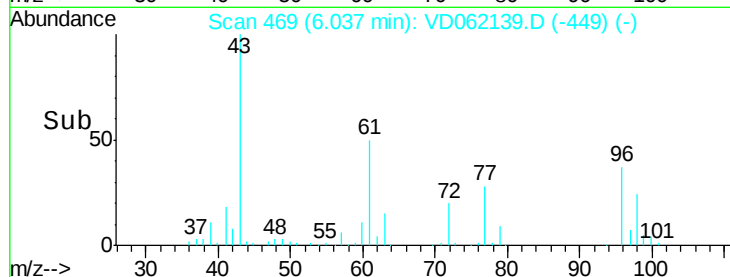
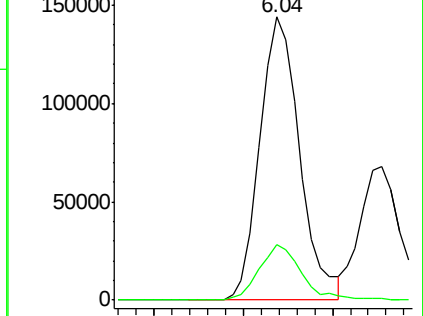
43 100

72 19.6 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 50.000 ug/l

RT: 6.00 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD062139.D

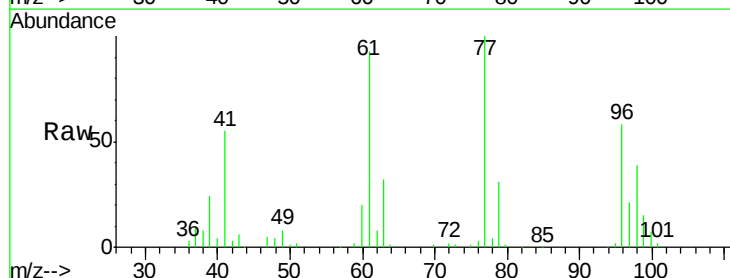
Acq: 7 May 2019 13:04

Tgt Ion: 77 Resp: 601113

Ion Ratio Lower Upper

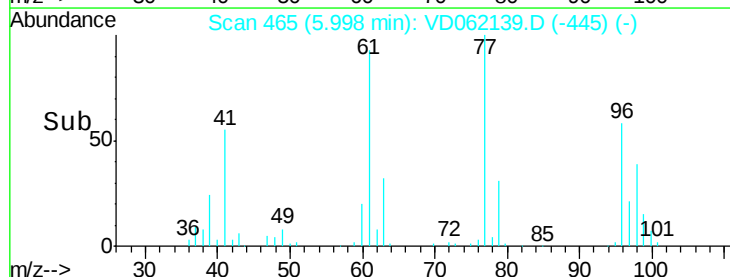
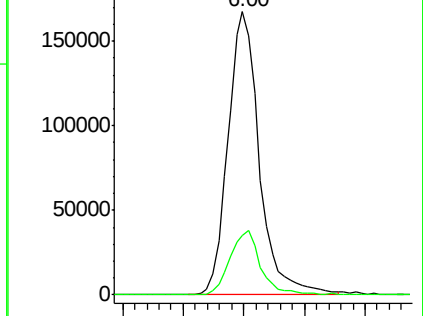
77 100

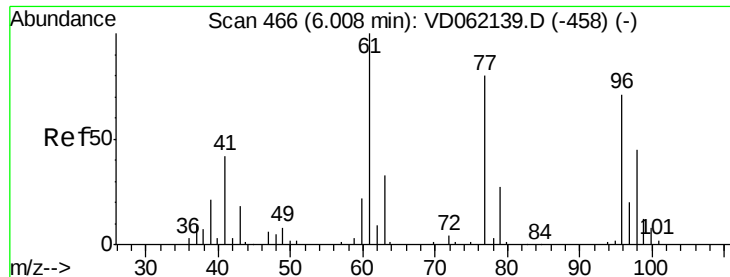
97 20.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



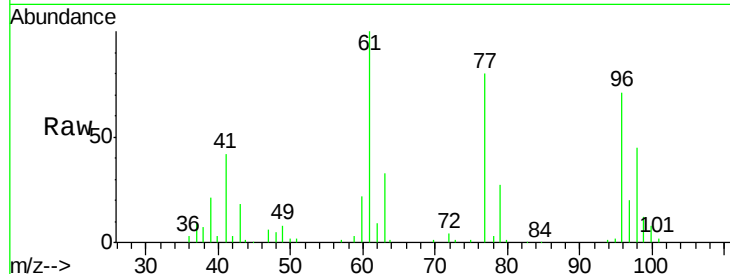


#27

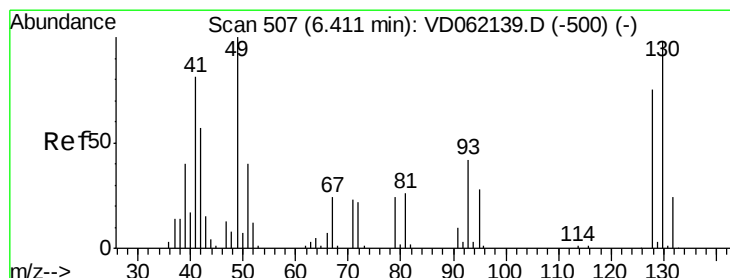
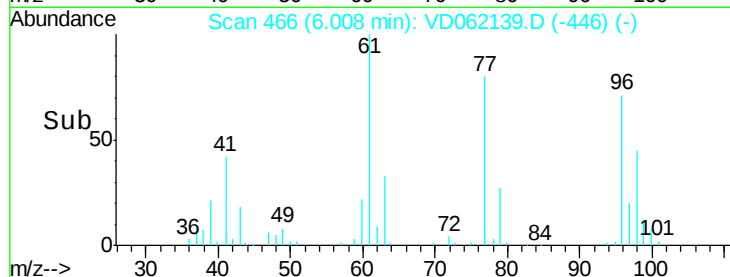
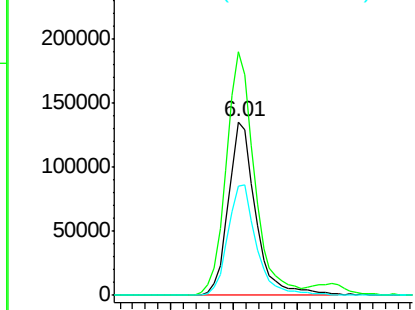
cis-1,2-Dichloroethene
Concen: 50.000 ug/l
RT: 6.01 min Scan# 466
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 96 Resp: 406128
Ion Ratio Lower Upper
96 100
61 140.2 0.0 279.8
98 63.0 0.0 136.0



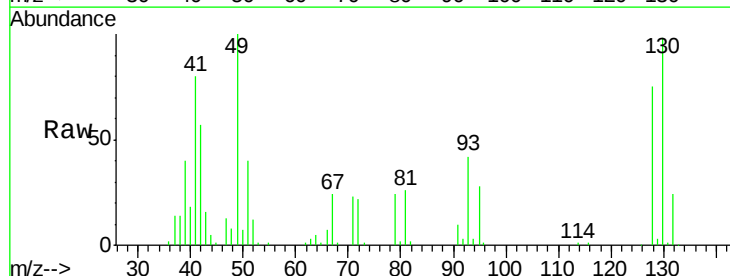
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



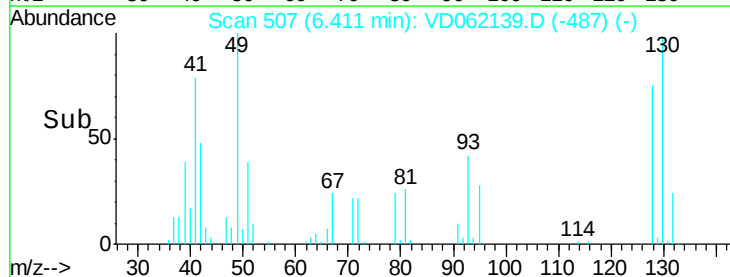
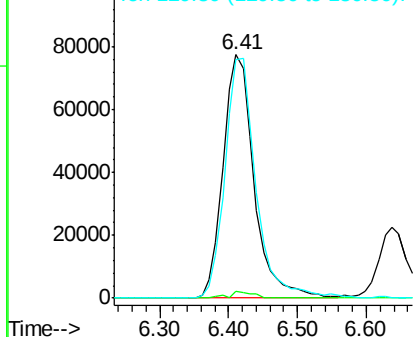
#28

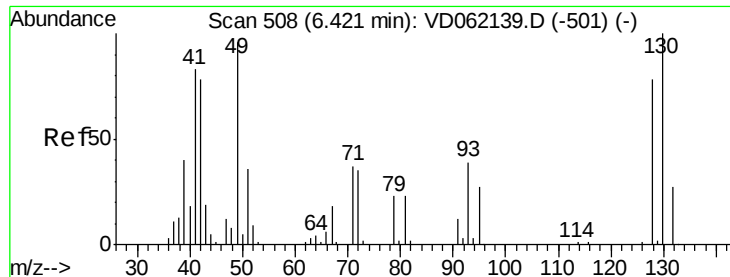
Bromochloromethane
Concen: 50.000 ug/l
RT: 6.41 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Tgt Ion: 49 Resp: 241462
Ion Ratio Lower Upper
49 100
129 2.5 0.0 6.6
130 97.8 86.7 130.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

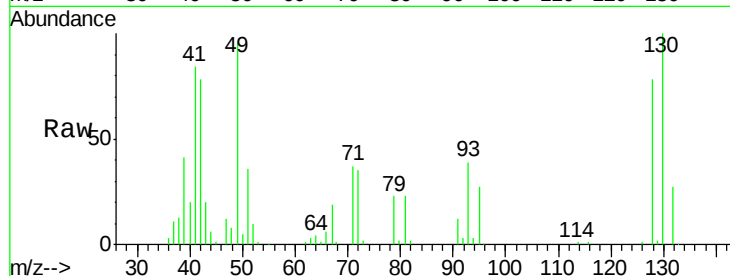




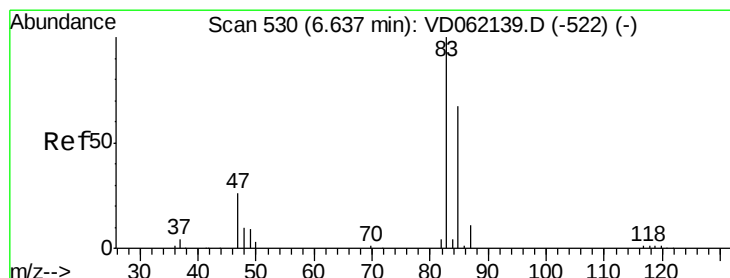
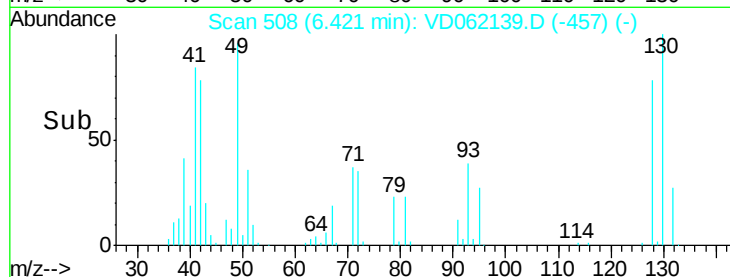
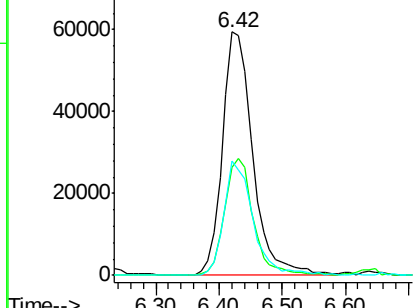
#29
Tetrahydrofuran
Concen: 250.000 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 42 Resp: 199290
Ion Ratio Lower Upper
42 100
72 45.4 37.8 56.6
71 44.6 36.7 55.1

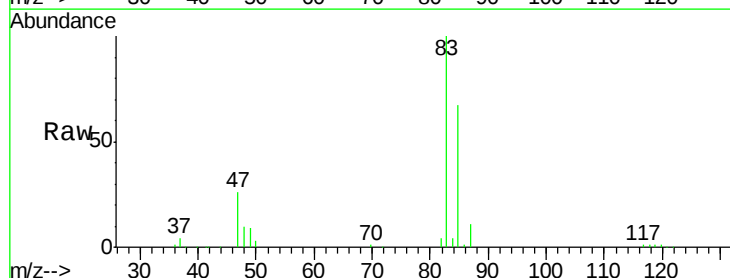


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

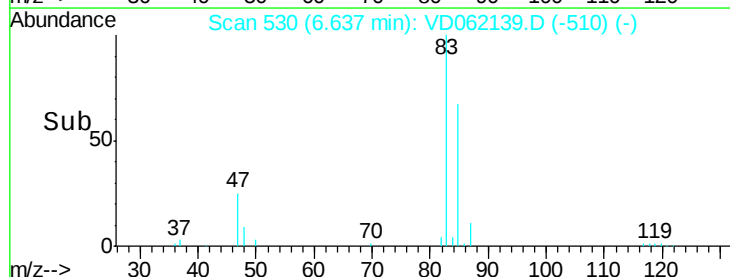
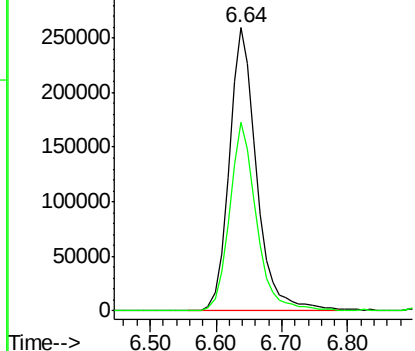


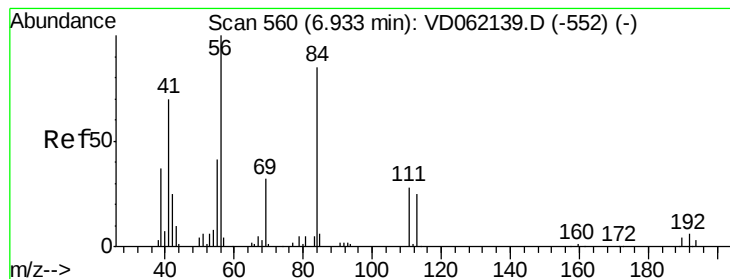
#30
Chloroform
Concen: 50.000 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Tgt Ion: 83 Resp: 749821
Ion Ratio Lower Upper
83 100
85 66.6 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

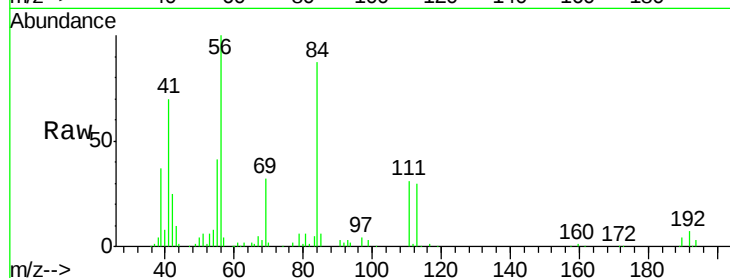
Tot Ion: 56 Resp: 438391

Ion Ratio Lower Upper

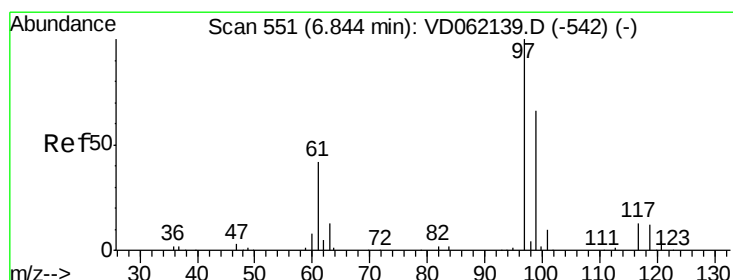
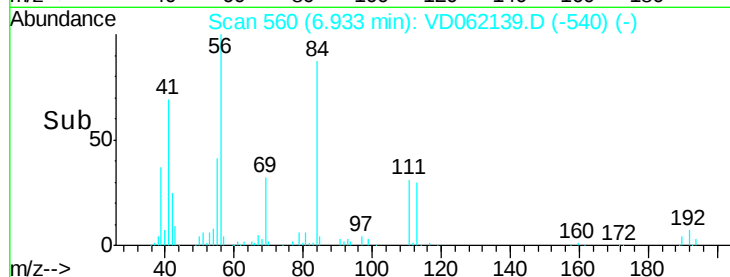
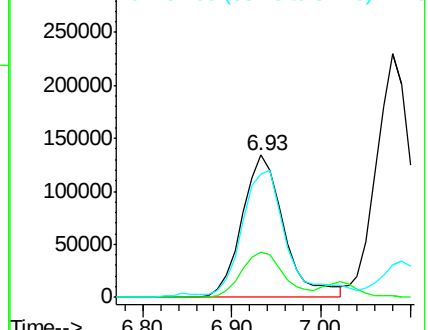
56 100

69 31.7 25.8 38.6

84 86.8 72.2 108.4



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 50.000 ug/l

RT: 6.84 min Scan# 551

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

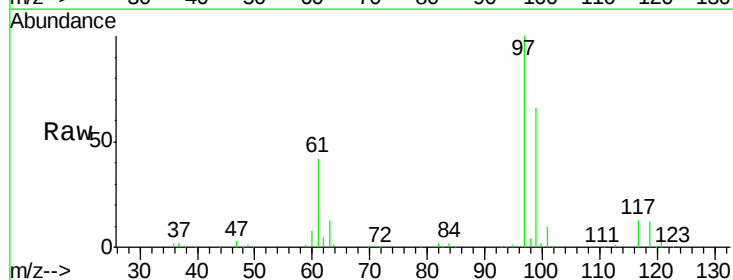
Tgt Ion: 97 Resp: 725737

Ion Ratio Lower Upper

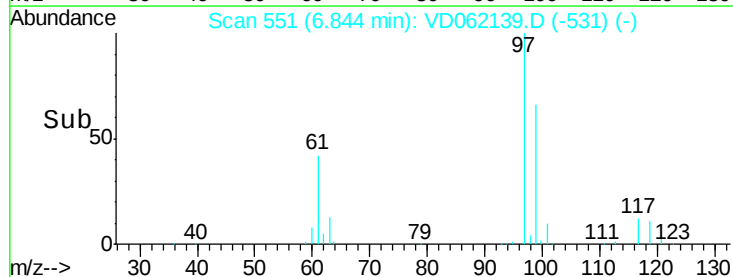
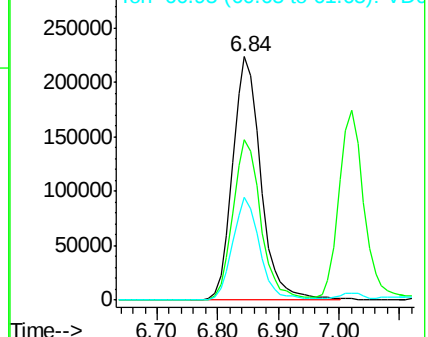
97 100

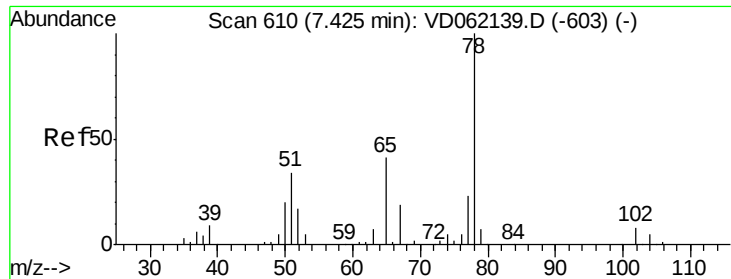
99 66.0 52.2 78.2

61 42.3 32.4 48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

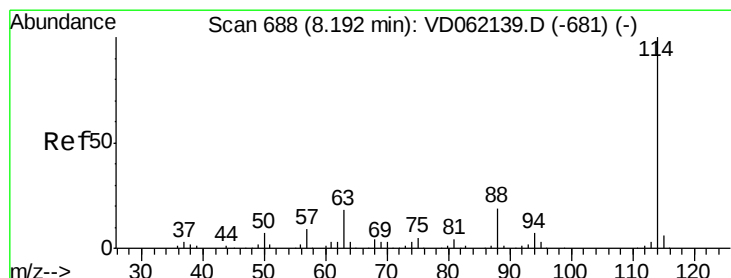
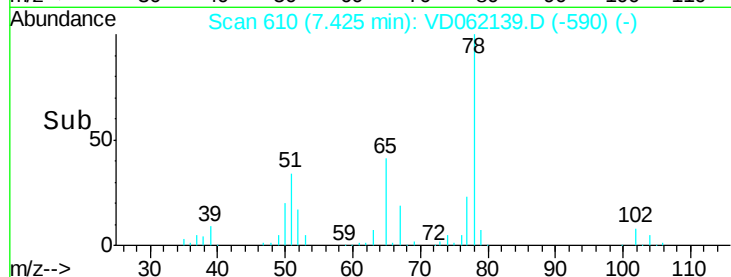
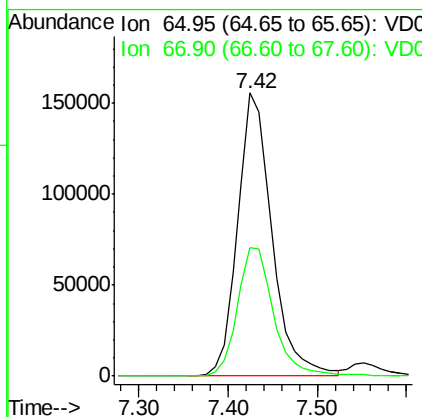
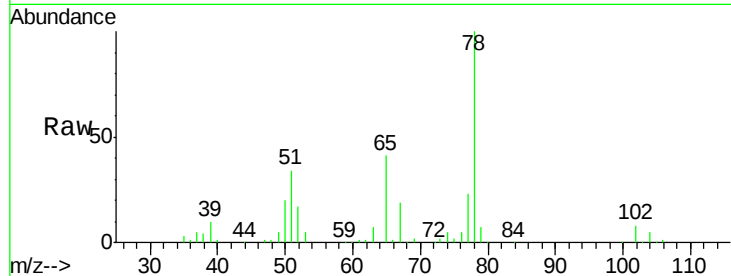




#33
 1,2-Dichloroethane-d4
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VD062139.D
 Acq: 7 May 2019 13:04

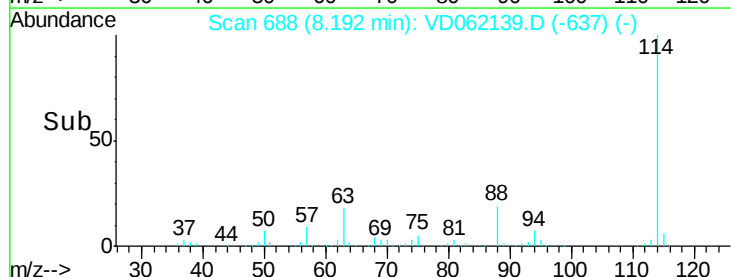
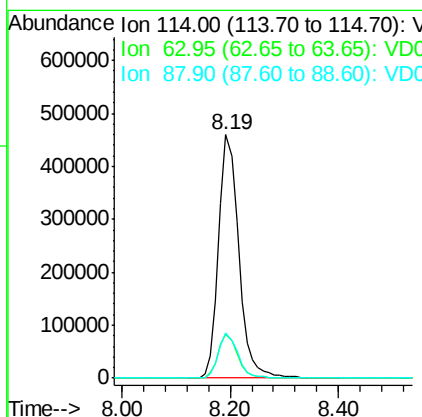
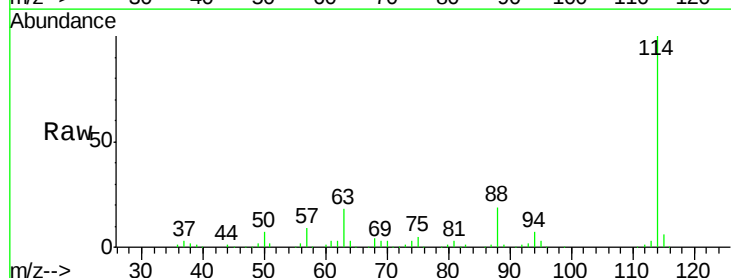
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

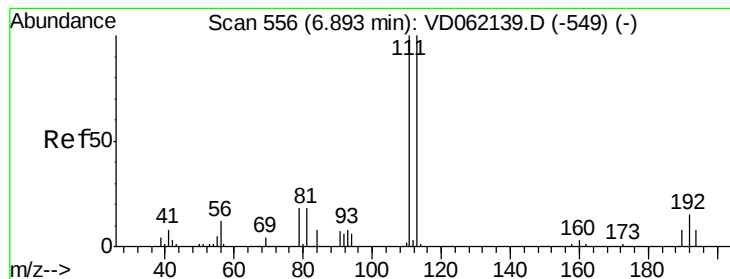
Tot Ion: 65 Resp: 415876
 Ion Ratio Lower Upper
 65 100
 67 45.4 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: VD062139.D
 Acq: 7 May 2019 13:04

Tgt Ion: 114 Resp: 1193589
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 32.4
 88 18.6 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.89 min Scan# 556

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

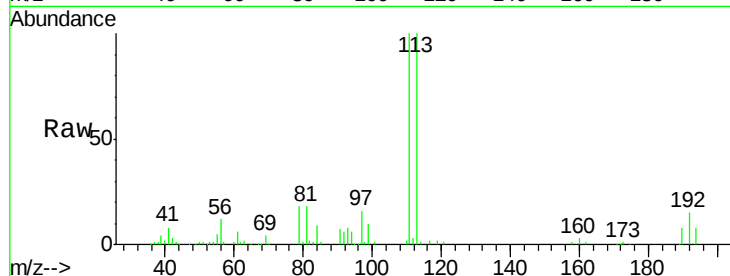
Tot Ion:113 Resp: 539812

Ion Ratio Lower Upper

113 100

111 99.9 78.5 117.7

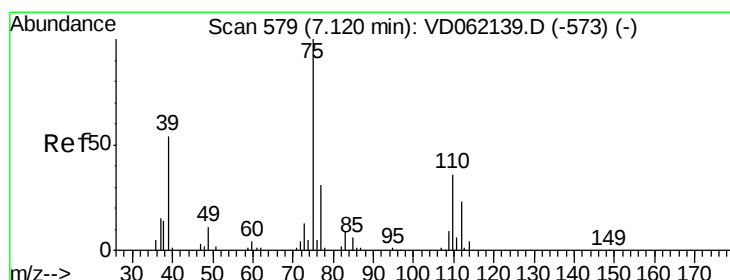
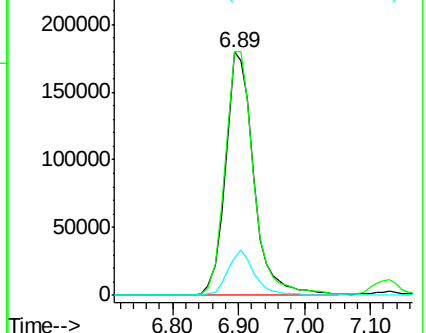
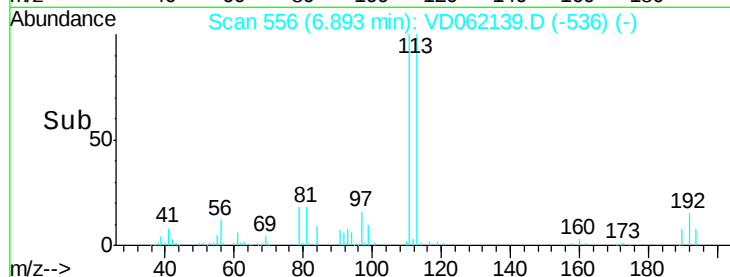
192 15.5 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 50.000 ug/l

RT: 7.12 min Scan# 579

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

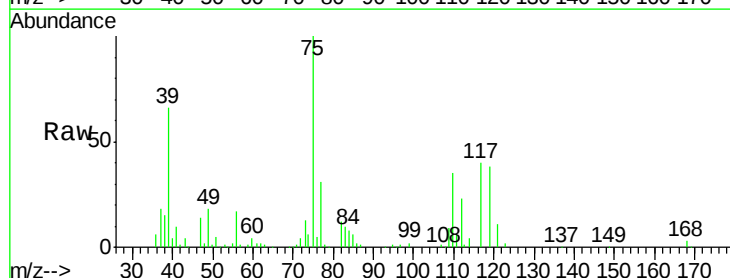
Tgt Ion: 75 Resp: 497508

Ion Ratio Lower Upper

75 100

110 35.5 19.1 57.1

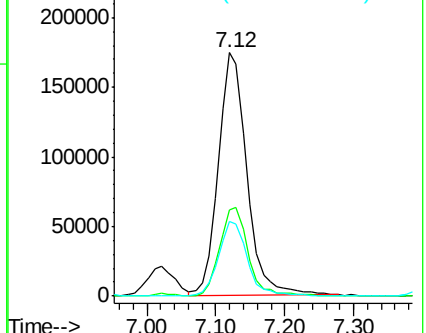
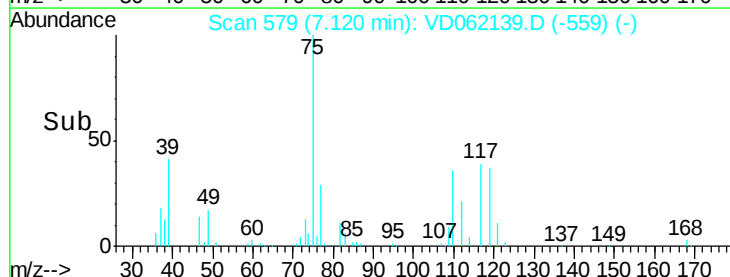
77 30.6 25.6 38.4

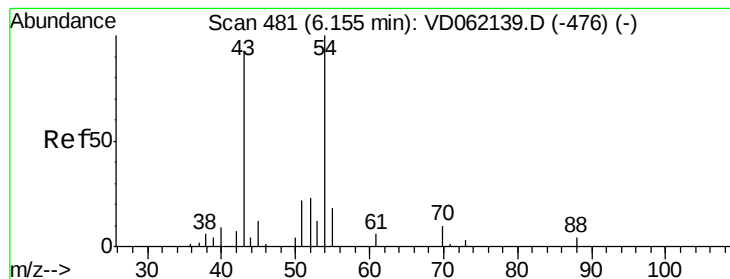


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 50.000 ug/l

RT: 6.16 min Scan# 481

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

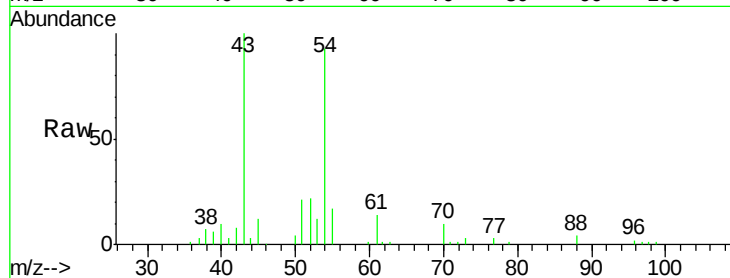
Tot Ion: 43 Resp: 215689

Ion Ratio Lower Upper

43 100

61 13.6 14.7 22.1#

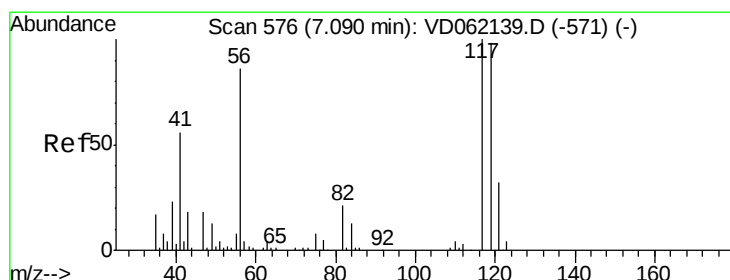
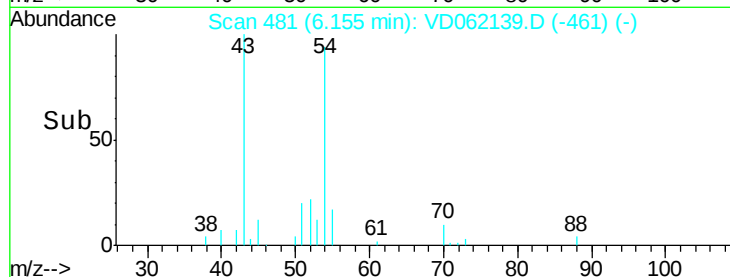
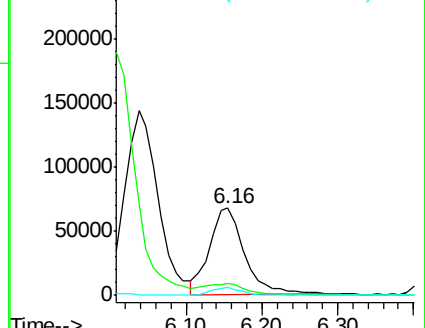
70 9.7 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 50.000 ug/l

RT: 7.09 min Scan# 576

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

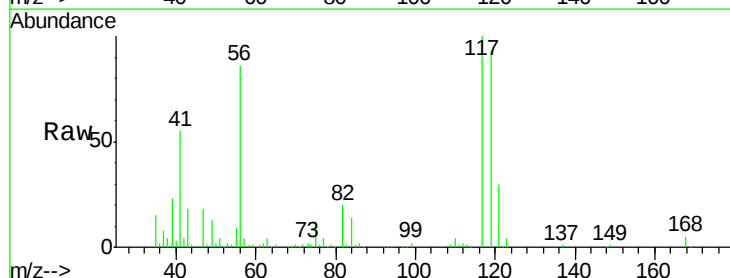
Tgt Ion: 117 Resp: 705376

Ion Ratio Lower Upper

117 100

119 92.7 75.8 113.8

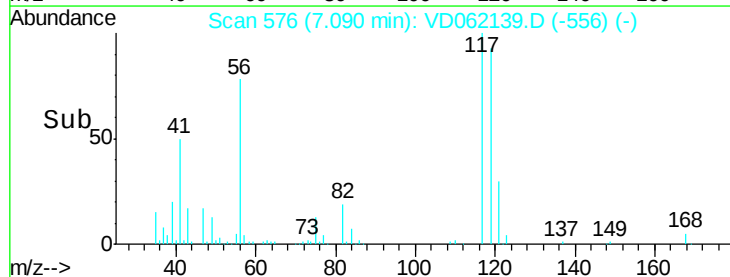
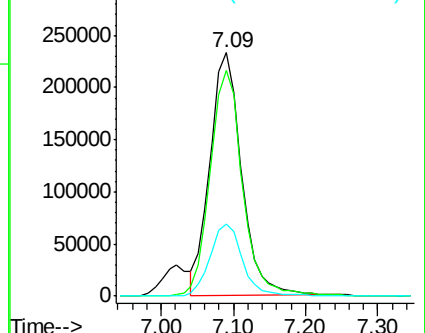
121 29.7 25.9 38.9

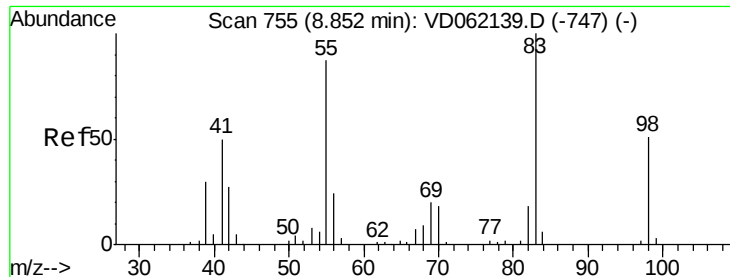


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

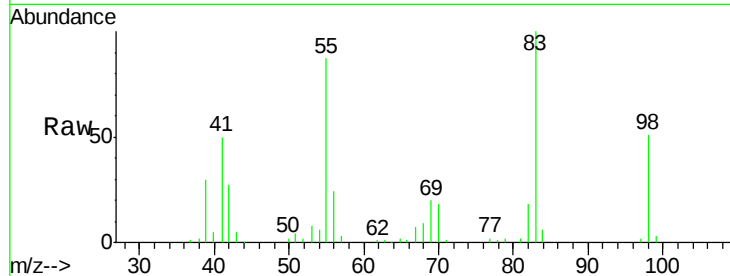




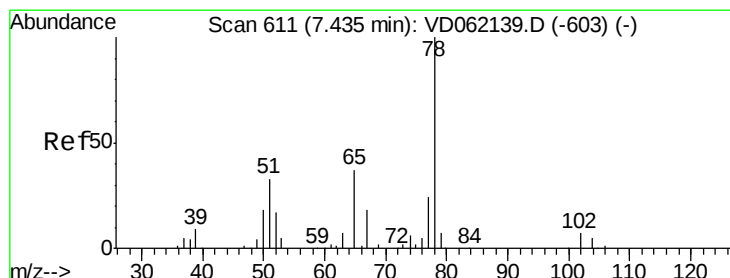
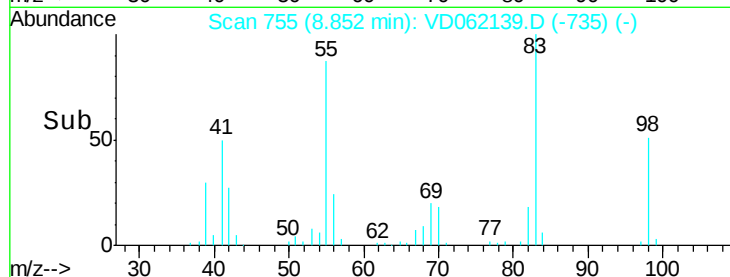
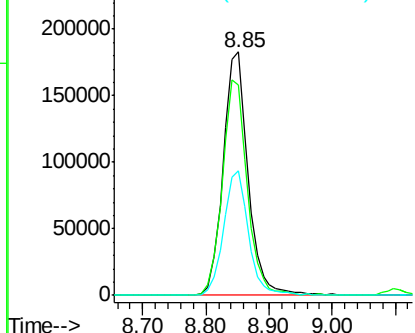
#39
Methvlcvclohexane
Concen: 50.000 ug/l
RT: 8.85 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 83 Resp: 500125
Ion Ratio Lower Upper
83 100
55 86.6 68.2 102.4
98 51.3 38.2 57.4

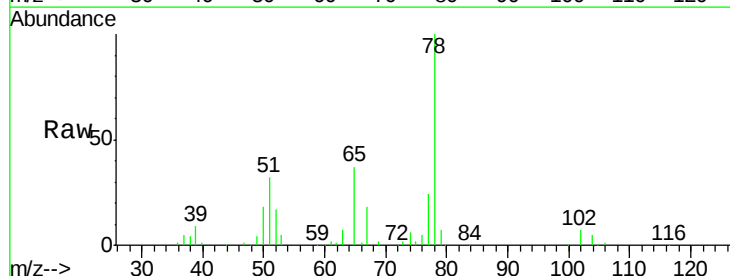


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

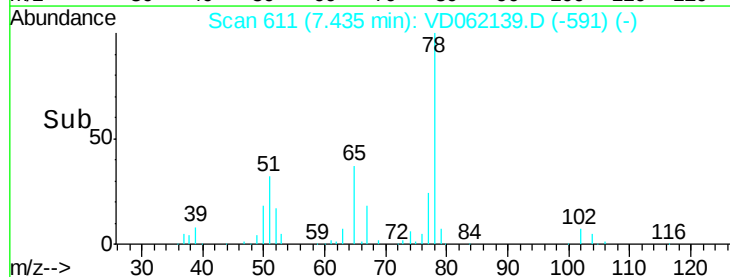
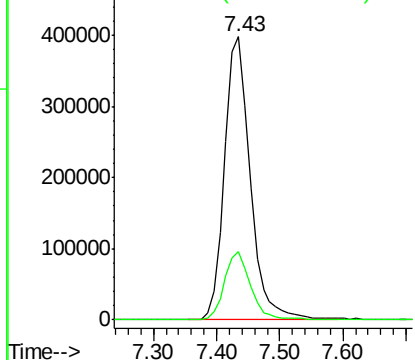


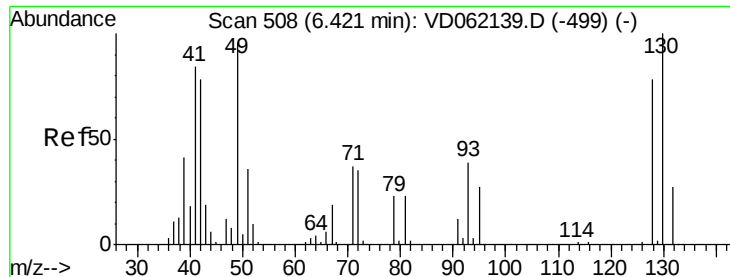
#40
Benzene
Concen: 50.000 ug/l
RT: 7.43 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Tgt Ion: 78 Resp: 1128229
Ion Ratio Lower Upper
78 100
77 24.0 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

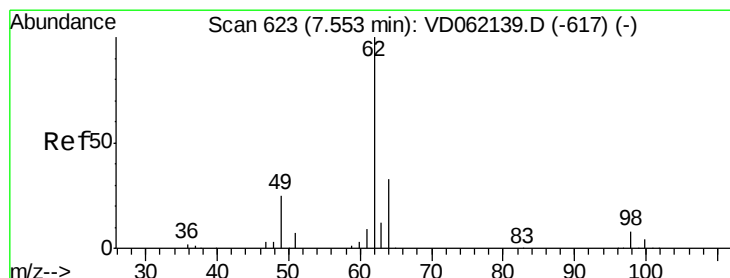
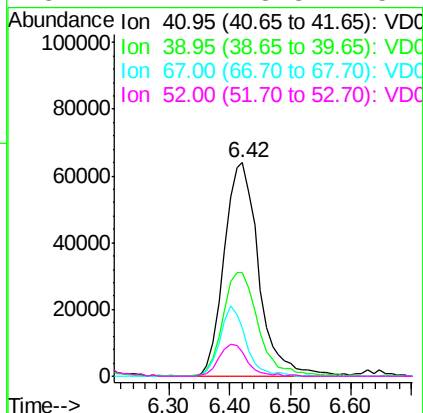
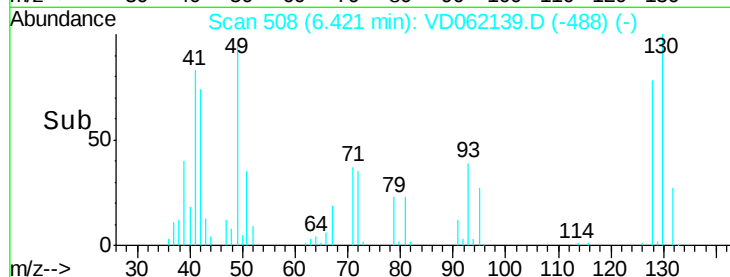
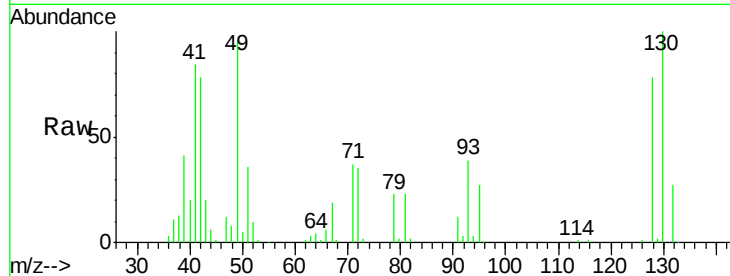




#41
Methacrylonitrile
Concen: 50.000 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

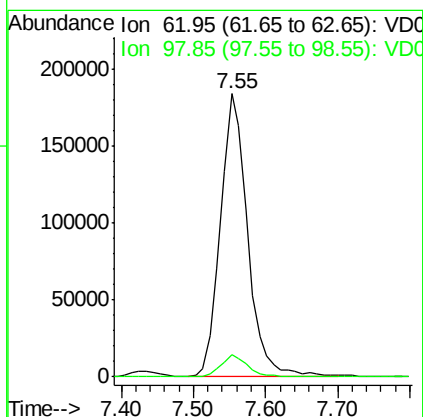
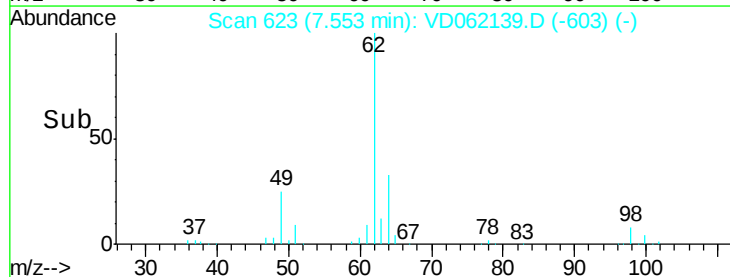
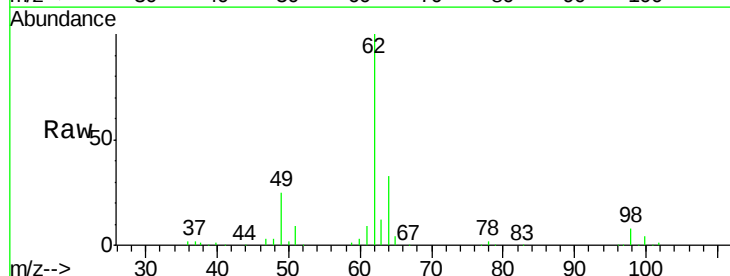
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

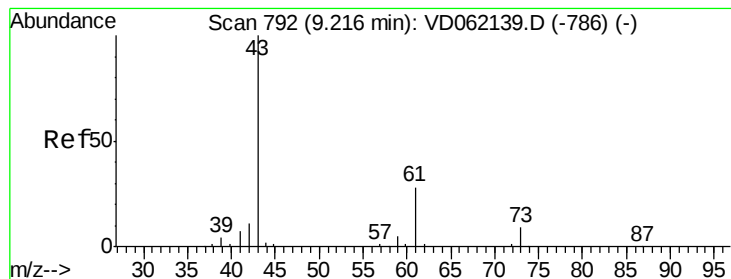
Tot Ion: 41 Resp: 253396
Ion Ratio Lower Upper
41 100
39 48.4 34.1 51.1
67 22.6 23.8 35.6#
52 11.7 8.8 13.2



#42
1,2-Dichloroethane
Concen: 50.000 ug/l
RT: 7.55 min Scan# 623
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Tgt Ion: 62 Resp: 481244
Ion Ratio Lower Upper
62 100
98 7.8 0.0 17.8





#43

Isopropyl Acetate

Concen: 50.000 ug/l

RT: 9.22 min Scan# 792

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

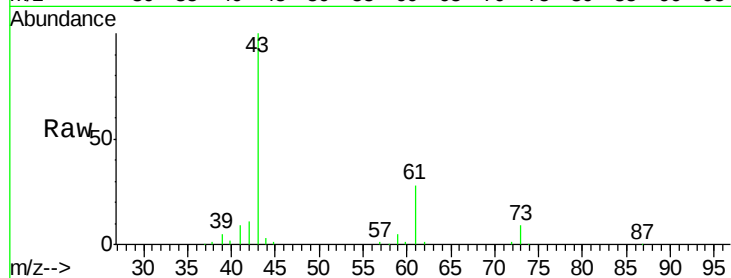
Tot Ion: 43 Resp: 300124

Ion Ratio Lower Upper

43 100

61 27.6 25.1 37.7

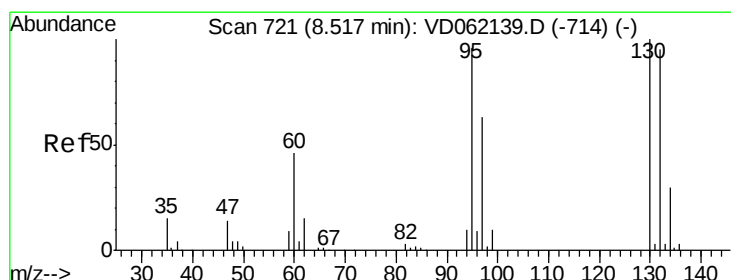
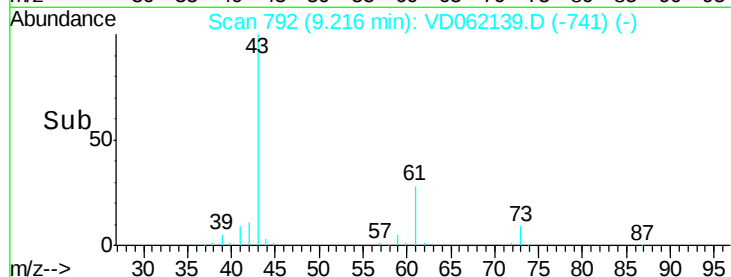
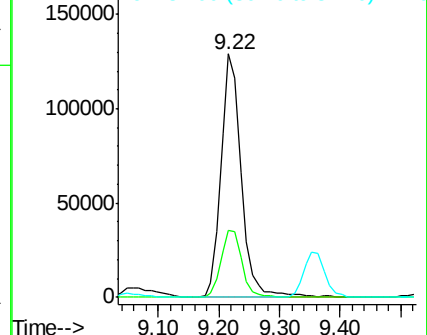
87 0.3 0.0 0.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.000 ug/l

RT: 8.52 min Scan# 721

Delta R.T. 0.00 min

Lab File: VD062139.D

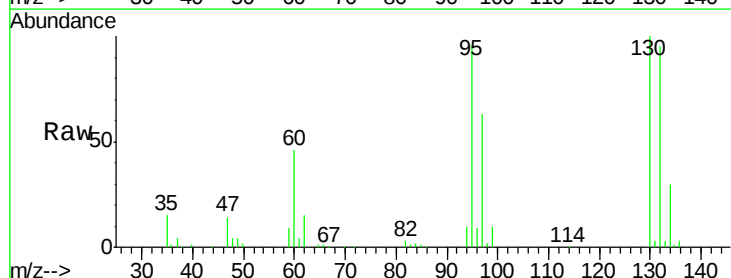
Acq: 7 May 2019 13:04

Tgt Ion:130 Resp: 443552

Ion Ratio Lower Upper

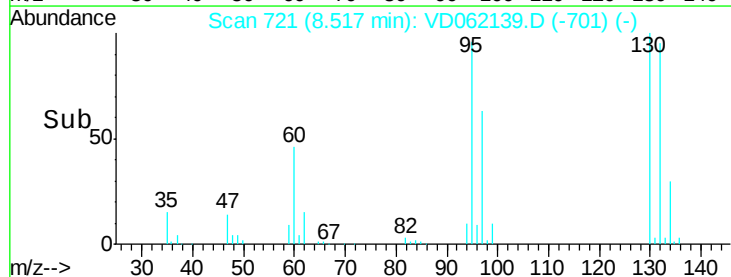
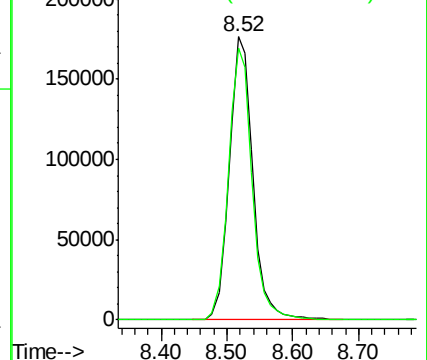
130 100

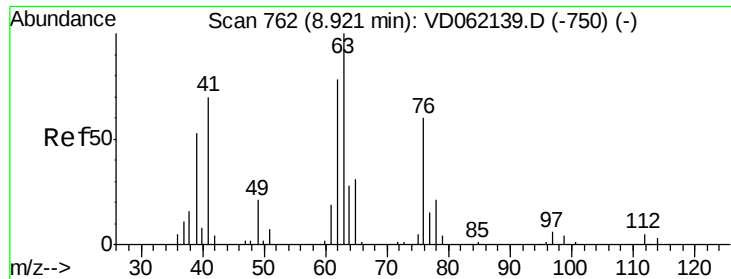
95 96.2 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.000 ug/l

RT: 8.92 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

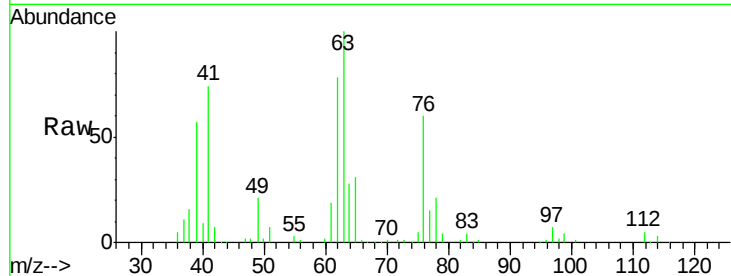
VSTDICCC050

Tot Ion: 63 Resp: 279293

Ion Ratio Lower Upper

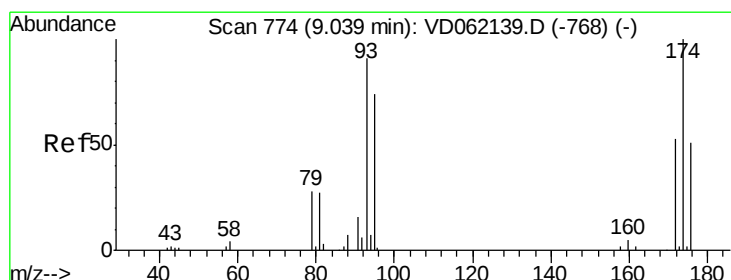
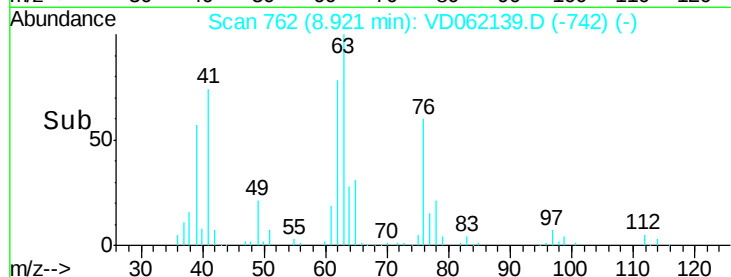
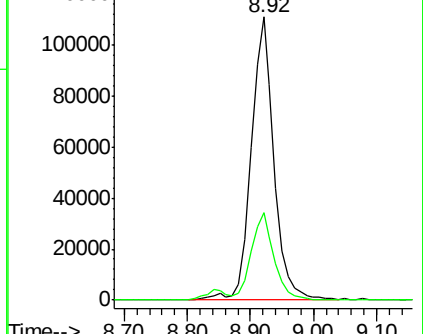
63 100

65 30.7 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 50.000 ug/l

RT: 9.04 min Scan# 774

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

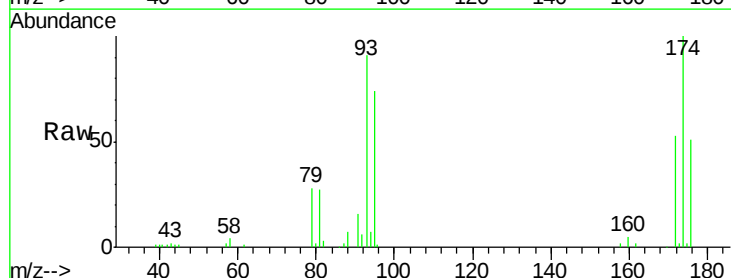
Tgt Ion: 93 Resp: 229193

Ion Ratio Lower Upper

93 100

95 81.4 64.8 97.2

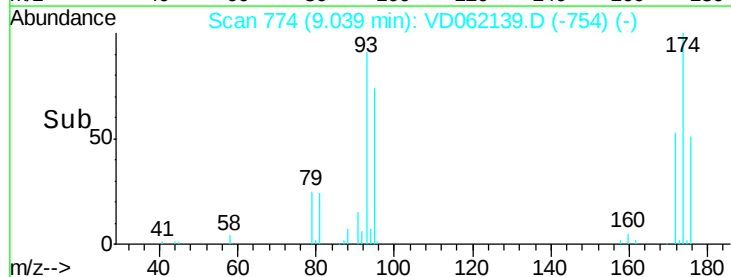
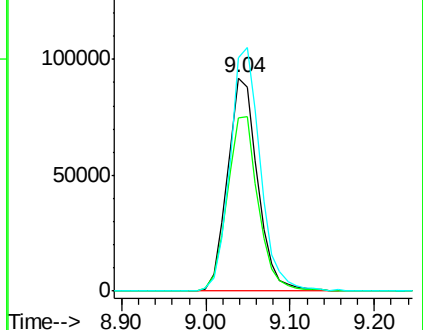
174 109.7 79.3 118.9

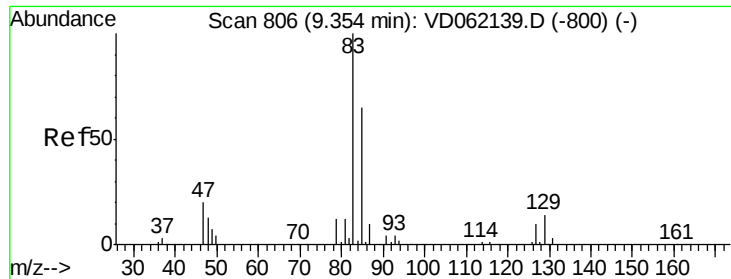


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 50.000 ug/l

RT: 9.35 min Scan# 806

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

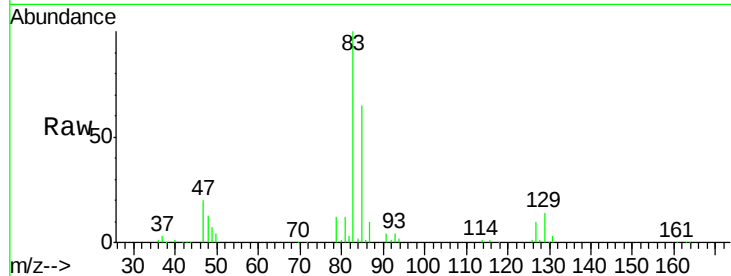
Tot Ion: 83 Resp: 559570

Ion Ratio Lower Upper

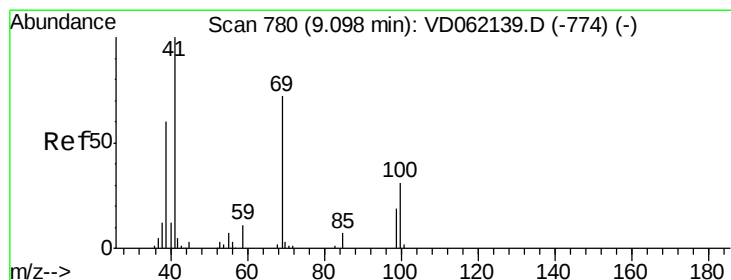
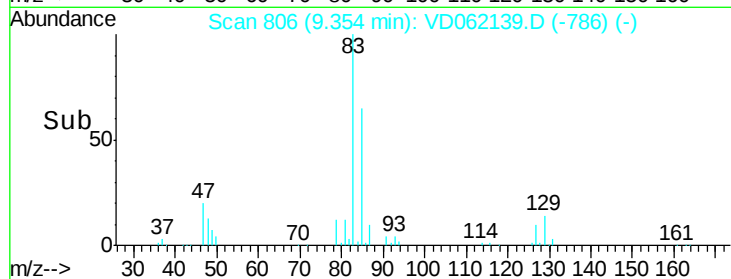
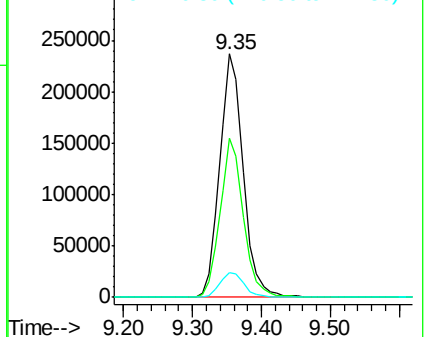
83 100

85 65.5 50.9 76.3

127 10.3 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 50.000 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

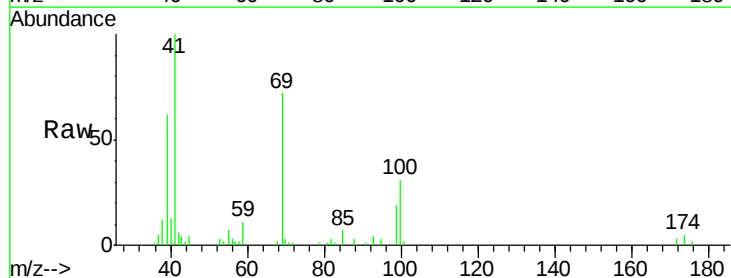
Tgt Ion: 41 Resp: 180822

Ion Ratio Lower Upper

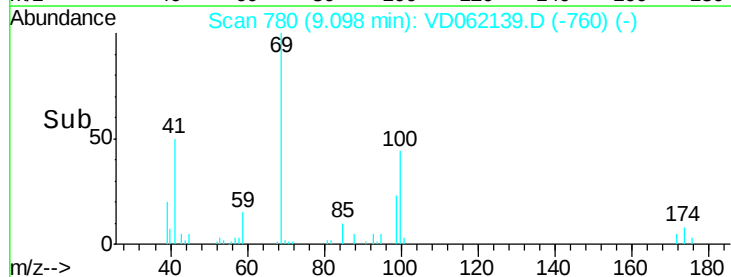
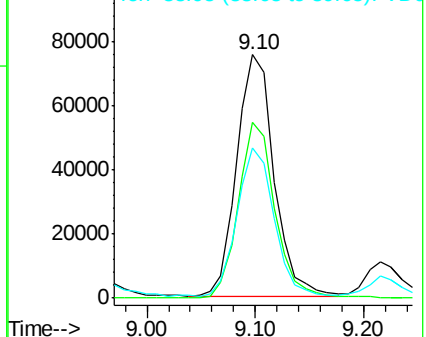
41 100

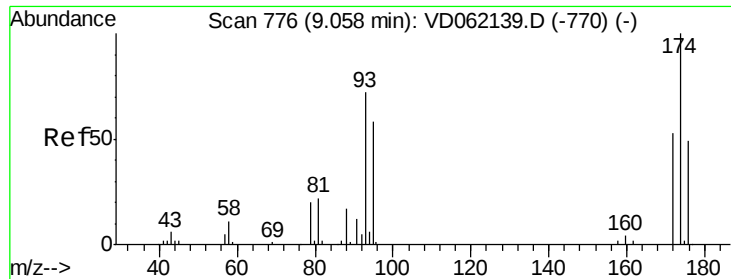
69 72.1 64.2 96.2

39 61.6 46.8 70.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

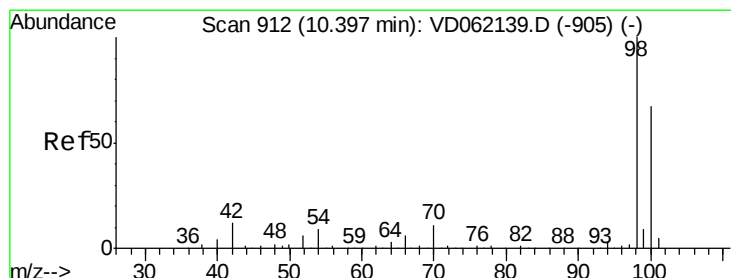
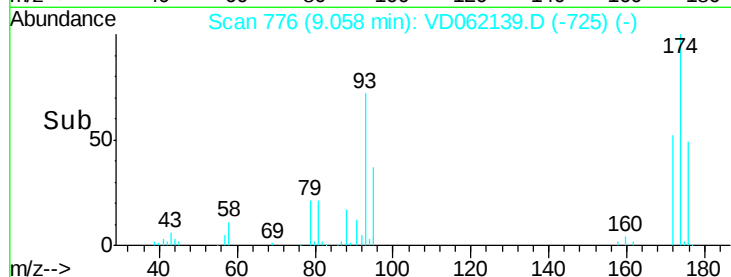
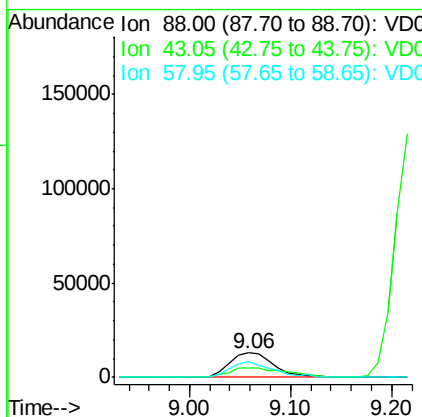
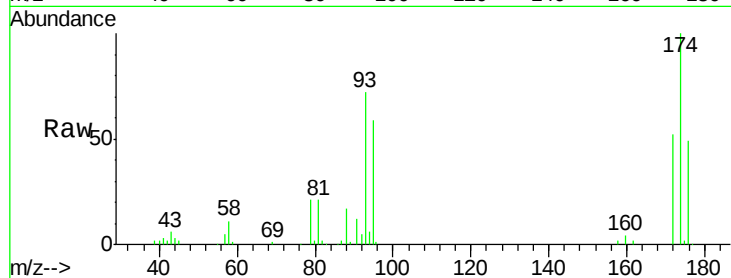




#49
1,4-Dioxane
Concen: 1000.000 ug/l
RT: 9.06 min Scan# 776
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

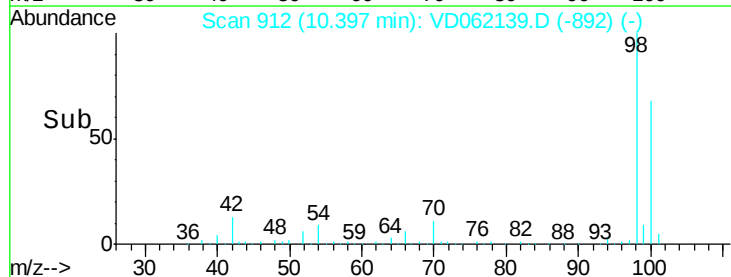
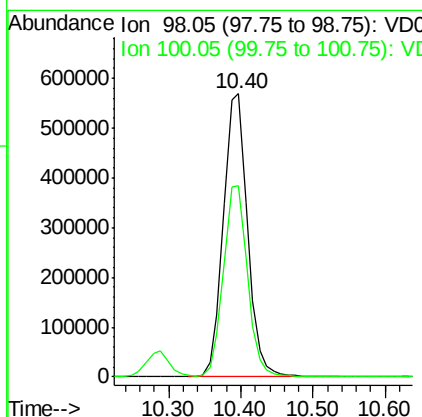
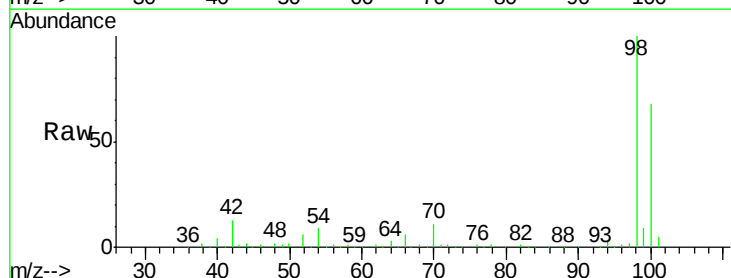
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

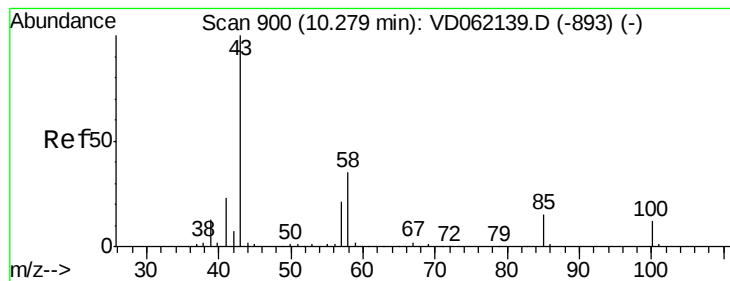
Tot Ion: 88 Resp: 39363
Ion Ratio Lower Upper
88 100
43 38.2 23.4 35.0#
58 64.0 44.0 66.0



#50
Toluene-d8
Concen: 50.000 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Tgt Ion: 98 Resp: 1324810
Ion Ratio Lower Upper
98 100
100 67.7 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 250.000 ug/l

RT: 10.28 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

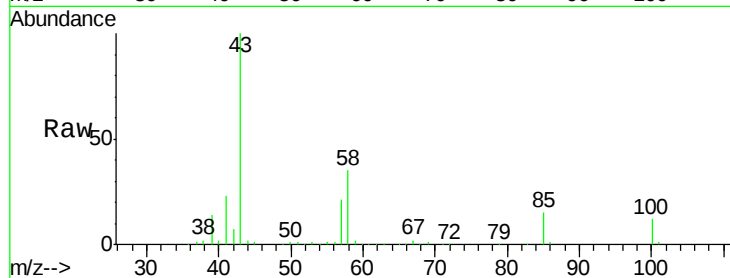
VSTDICCC050

Tot Ion: 43 Resp: 935021

Ion Ratio Lower Upper

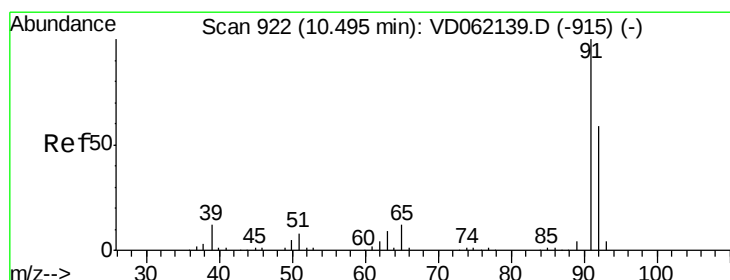
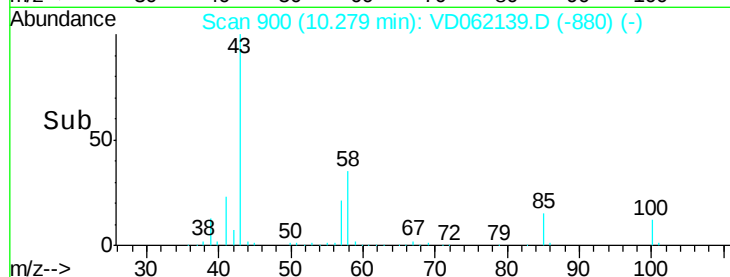
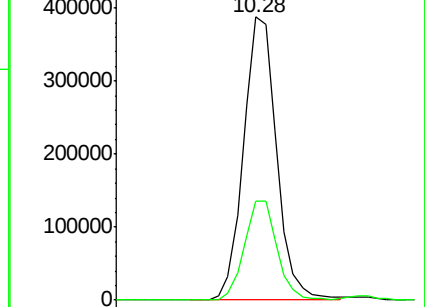
43 100

58 34.9 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.000 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD062139.D

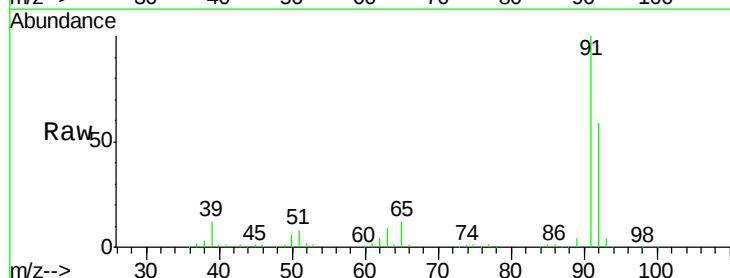
Acq: 7 May 2019 13:04

Tgt Ion: 92 Resp: 742543

Ion Ratio Lower Upper

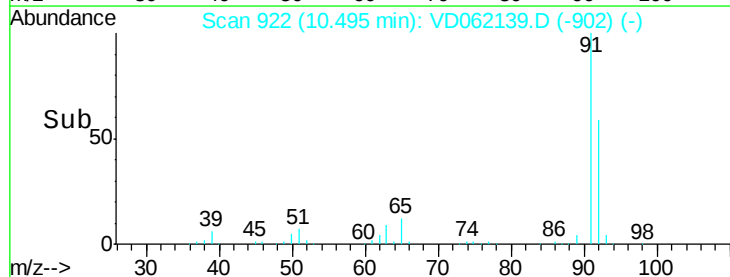
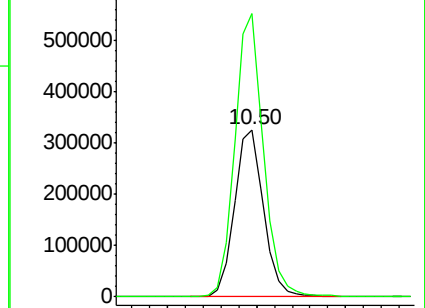
92 100

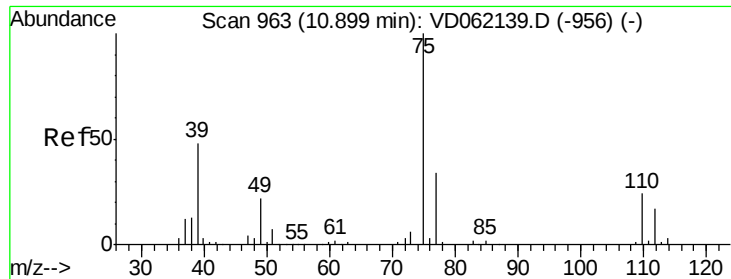
91 169.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

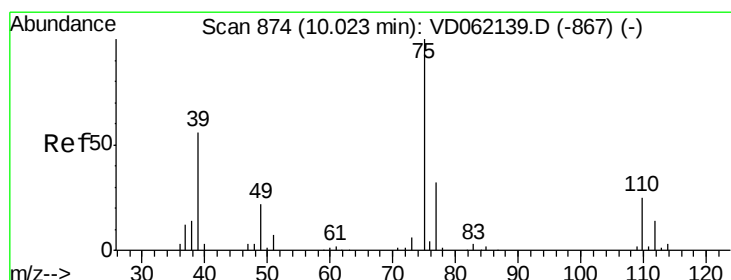
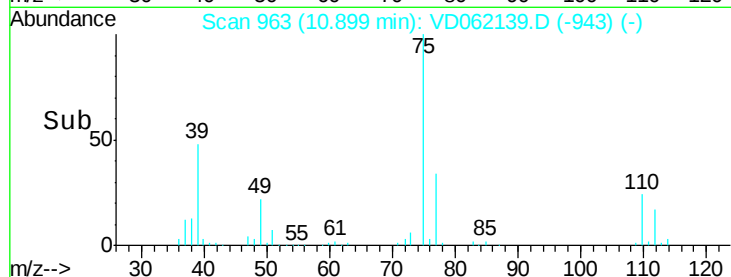
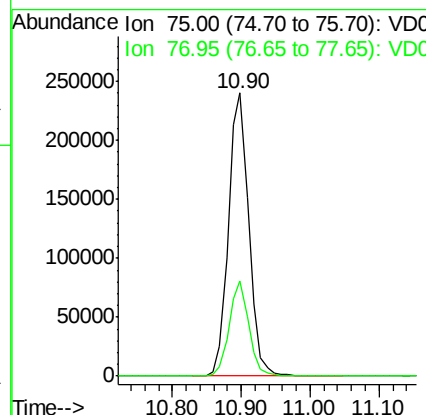
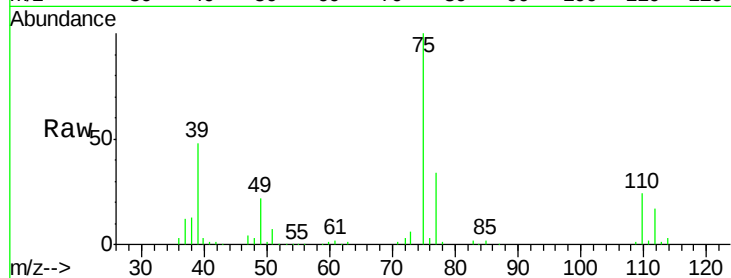




#53
 t-1,3-Dichloropropene
 Concen: 50.000 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: VD062139.D
 Acq: 7 May 2019 13:04

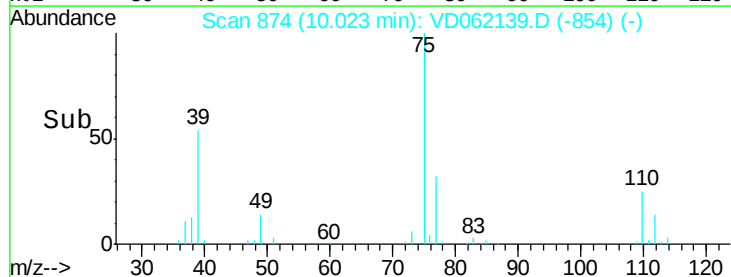
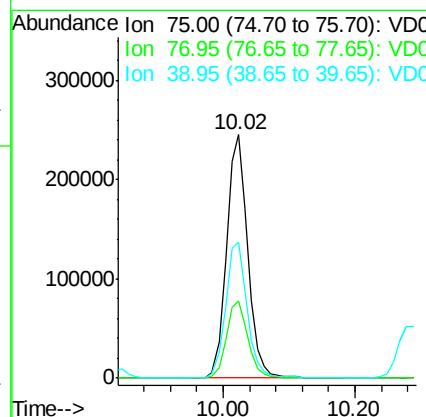
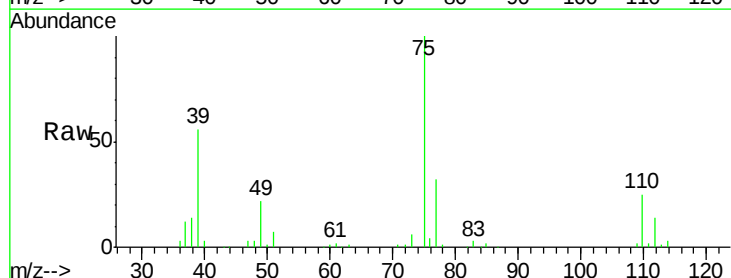
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

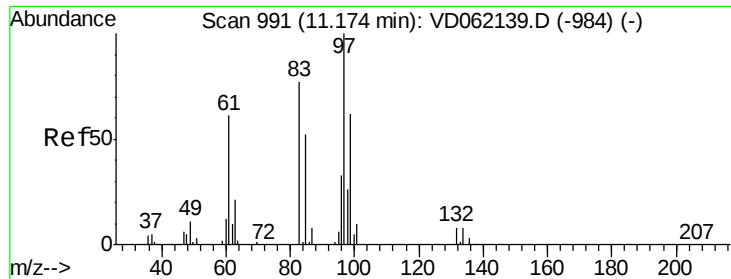
Tot Ion: 75 Resp: 490414
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 50.000 ug/l
 RT: 10.02 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VD062139.D
 Acq: 7 May 2019 13:04

Tgt Ion: 75 Resp: 550265
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.5 38.3
 39 56.1 39.4 59.2

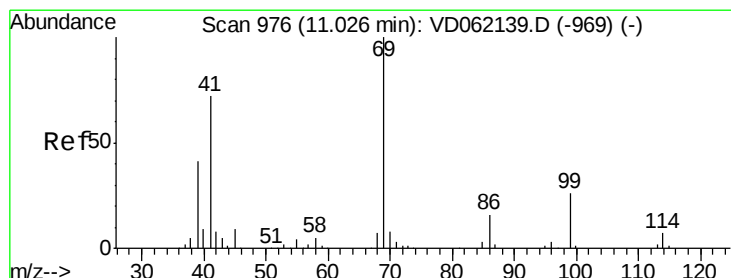
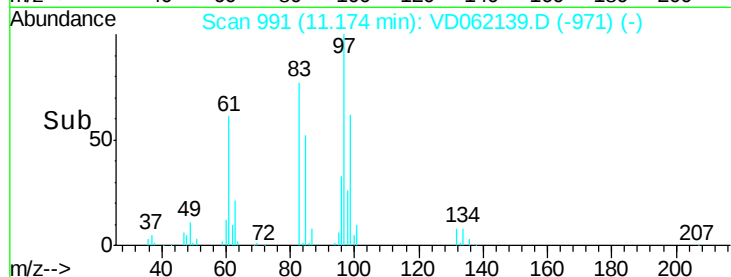
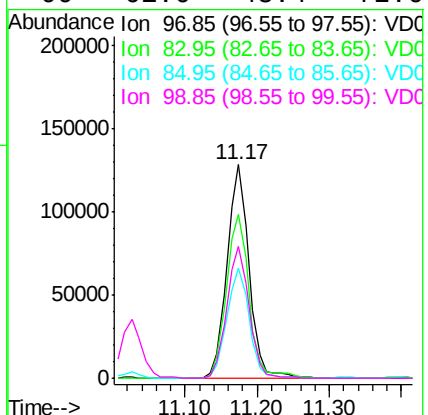
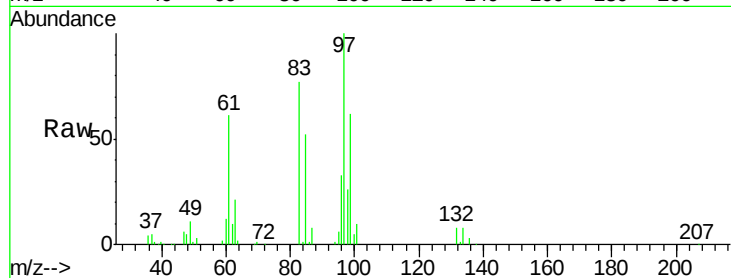




#55
 1,1,2-Trichloroethane
 Concen: 50.000 ug/l
 RT: 11.17 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD062139.D
 Acq: 7 May 2019 13:04

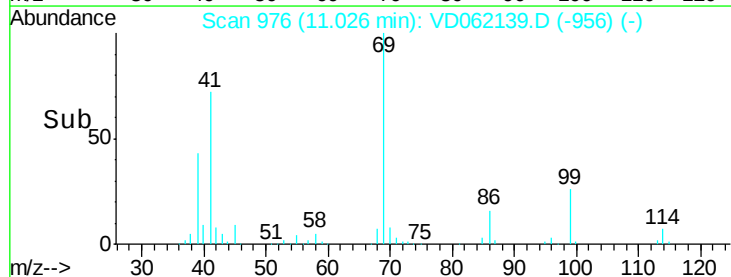
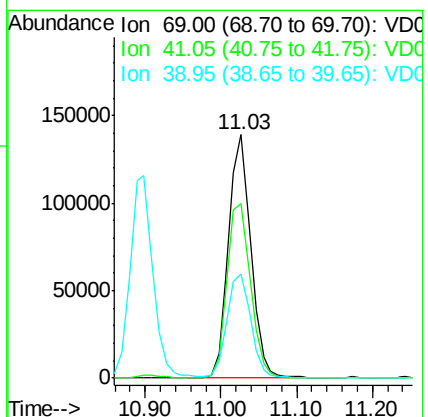
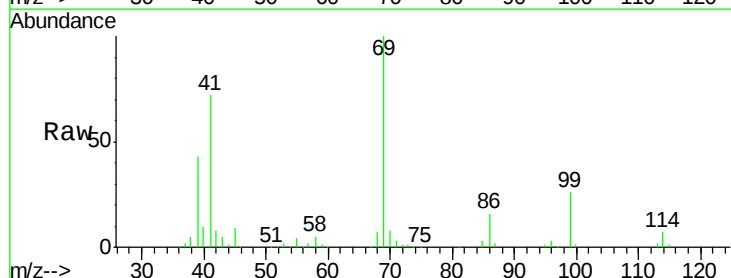
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

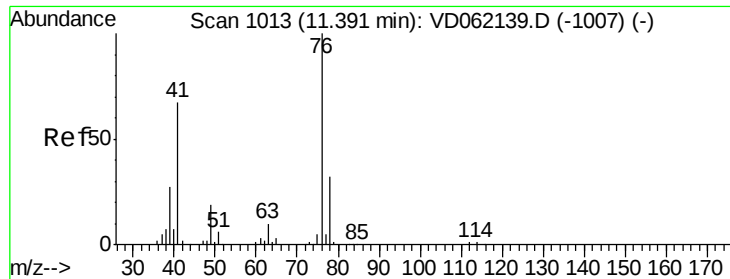
Tot Ion:	97	Resp:	272467
Ion	Ratio	Lower	Upper
97	100		
83	76.6	65.7	98.5
85	51.8	45.6	68.4
99	61.6	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 50.000 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD062139.D
 Acq: 7 May 2019 13:04

Tgt Ion:	69	Resp:	283864
Ion	Ratio	Lower	Upper
69	100		
41	71.8	56.3	84.5
39	42.5	29.4	44.2





#57

1,3-Dichloropropane

Concen: 50.000 ug/l

RT: 11.39 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

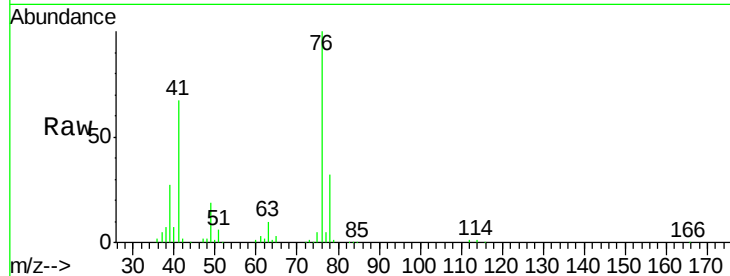
VSTDICCC050

Tot Ion: 76 Resp: 421750

Ion Ratio Lower Upper

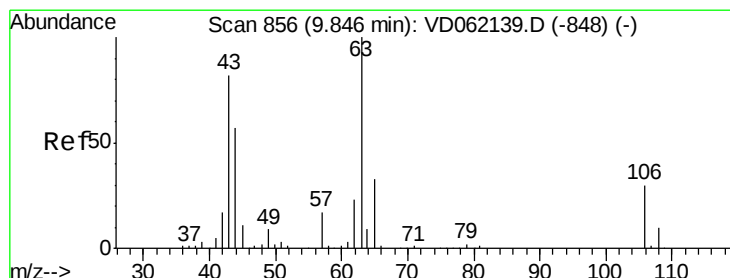
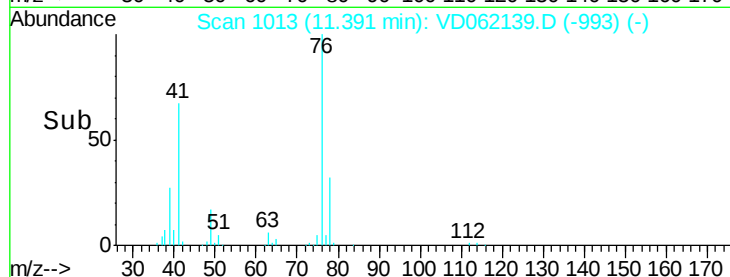
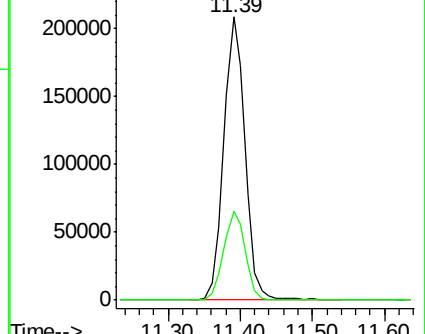
76 100

78 31.5 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 250.000 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD062139.D

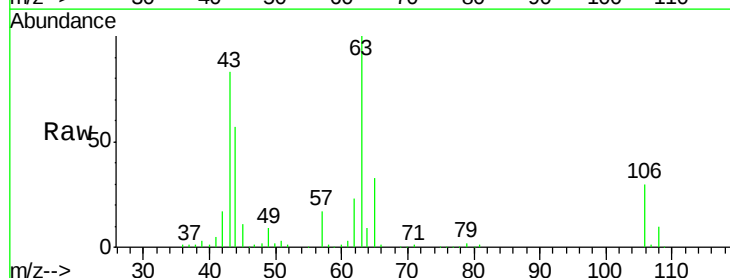
Acq: 7 May 2019 13:04

Tgt Ion: 63 Resp: 757781

Ion Ratio Lower Upper

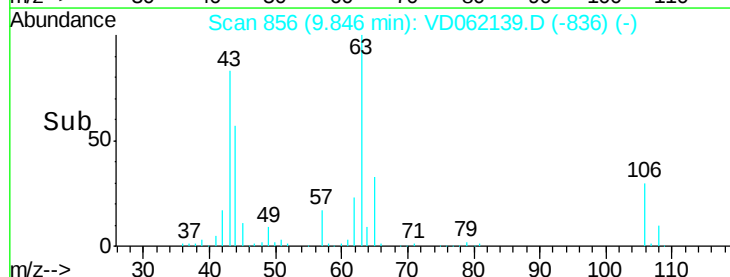
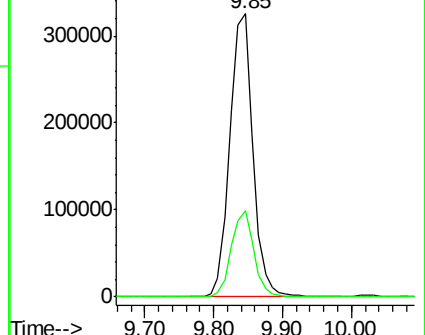
63 100

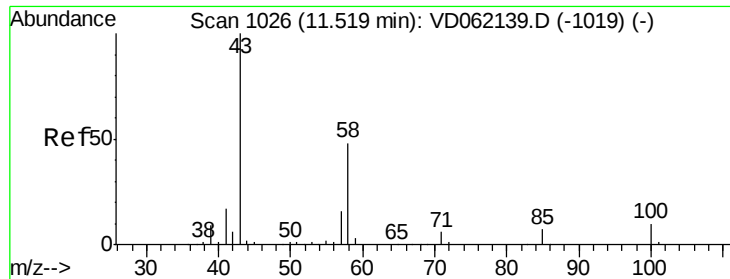
106 30.5 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

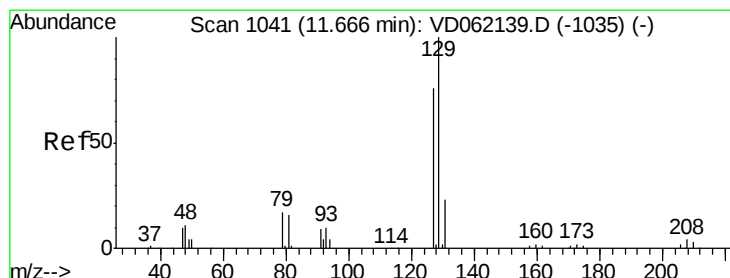
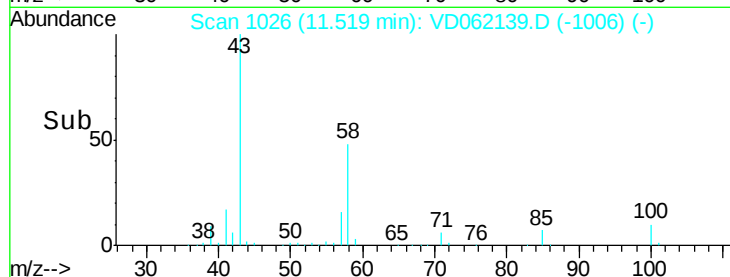
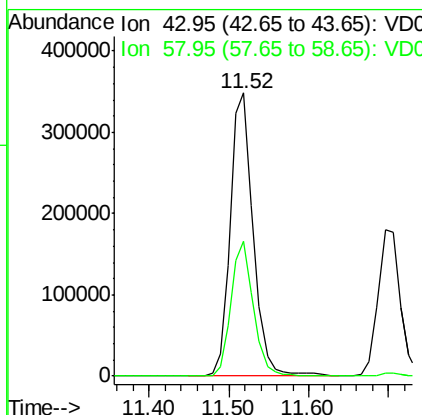
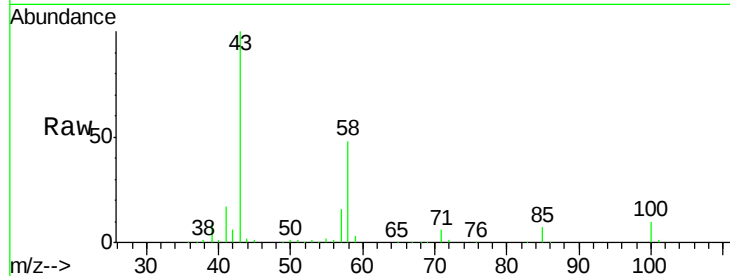




#59
2-Hexanone
Concen: 250.000 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

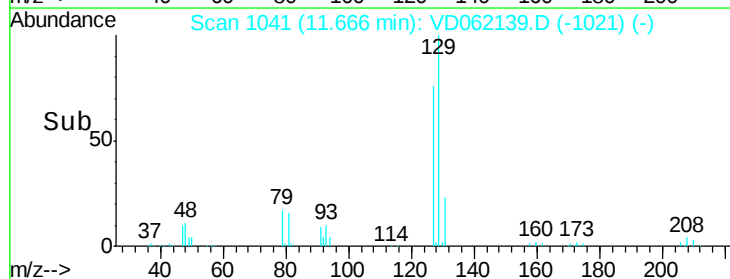
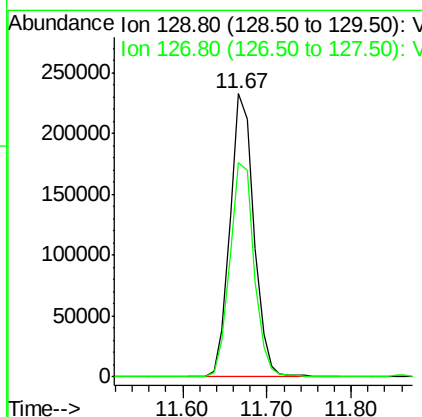
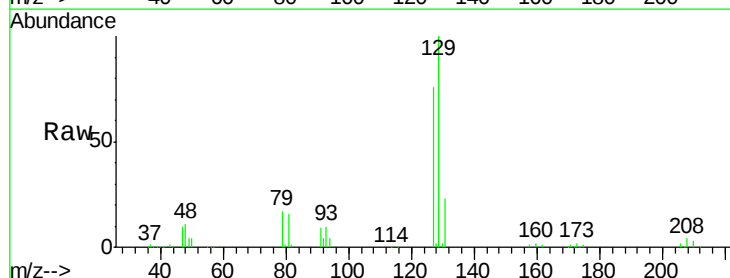
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

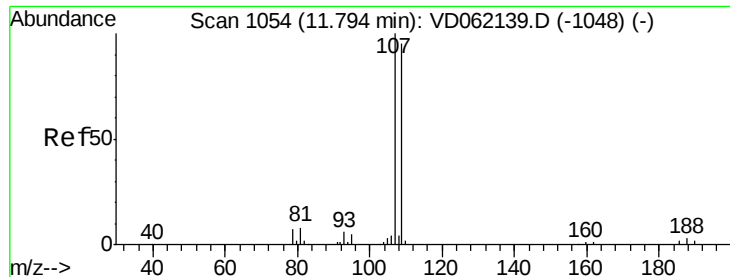
Tot Ion: 43 Resp: 702706
Ion Ratio Lower Upper
43 100
58 47.8 25.4 76.4



#60
Dibromochloromethane
Concen: 50.000 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Tgt Ion: 129 Resp: 459909
Ion Ratio Lower Upper
129 100
127 75.8 38.0 113.9

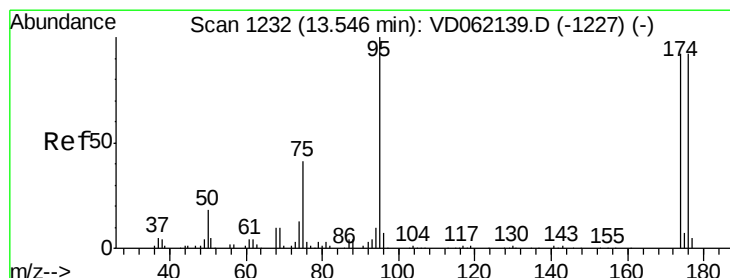
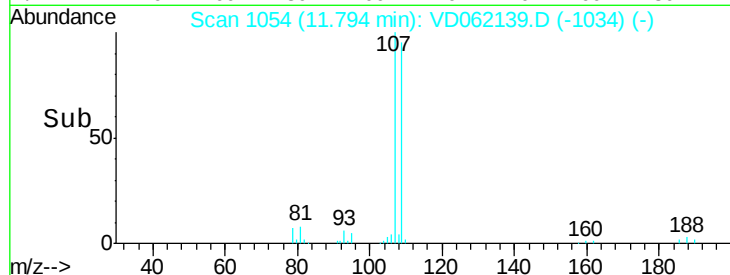
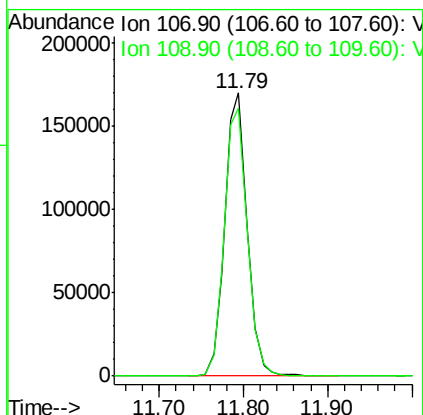
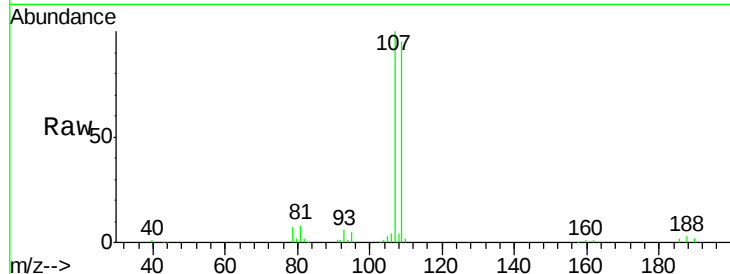




#61
 1,2-Dibromoethane
 Concen: 50.000 ug/l
 RT: 11.79 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD062139.D
 Acq: 7 May 2019 13:04

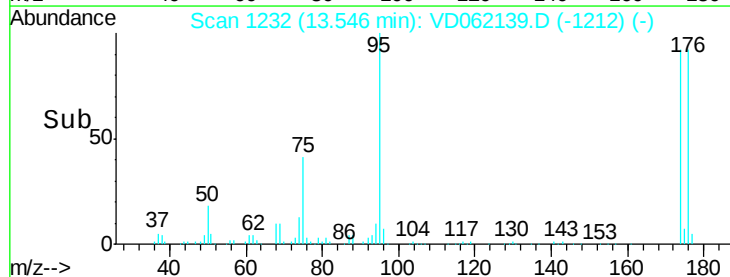
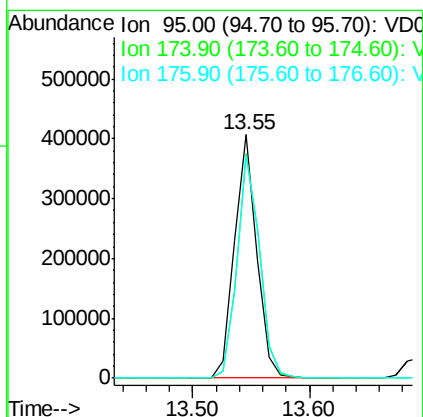
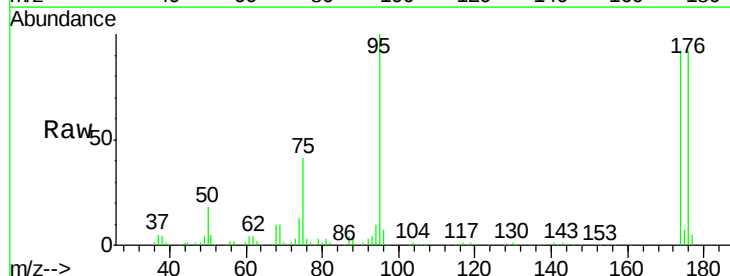
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

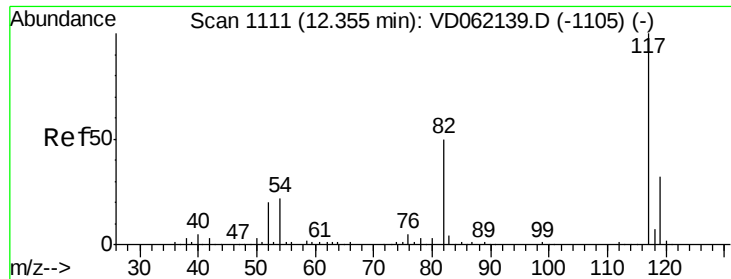
Tot Ion:107 Resp: 313146
 Ion Ratio Lower Upper
 107 100
 109 94.8 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062139.D
 Acq: 7 May 2019 13:04

Tgt Ion: 95 Resp: 534577
 Ion Ratio Lower Upper
 95 100
 174 92.2 0.0 181.8
 176 91.9 0.0 174.4

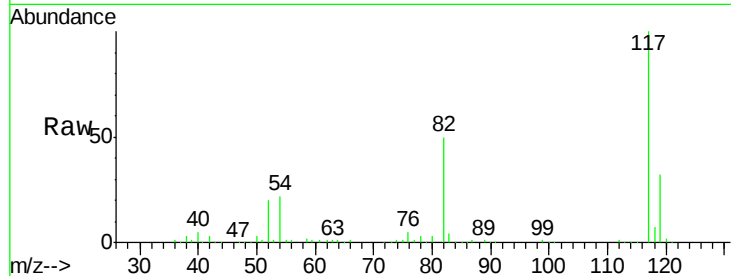




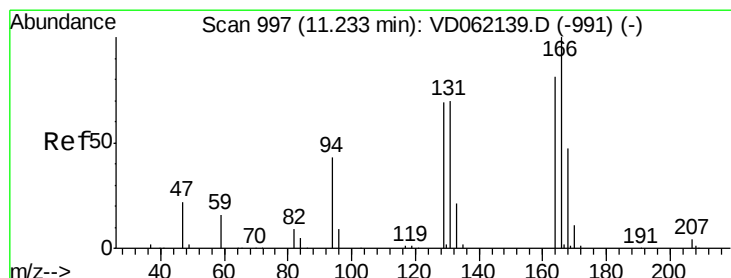
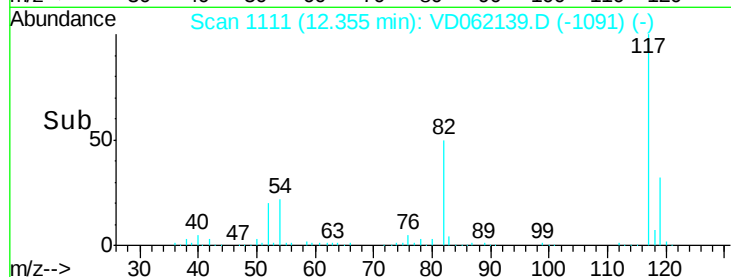
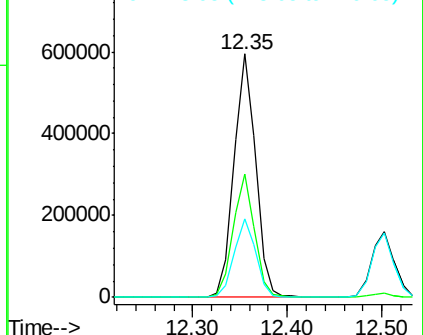
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:117 Resp: 950440
Ion Ratio Lower Upper
117 100
82 50.4 36.2 54.2
119 32.1 26.2 39.4

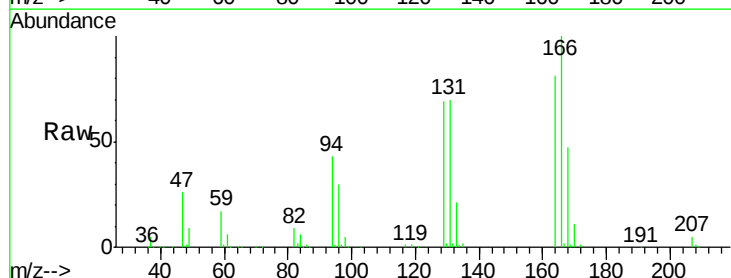


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

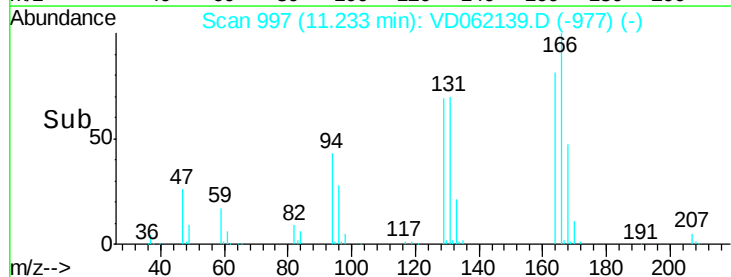
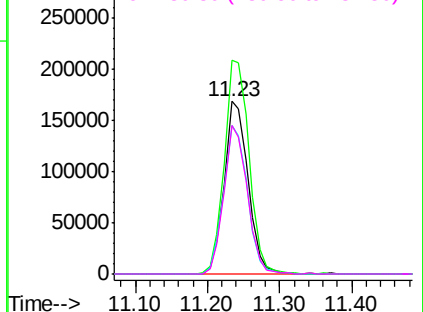


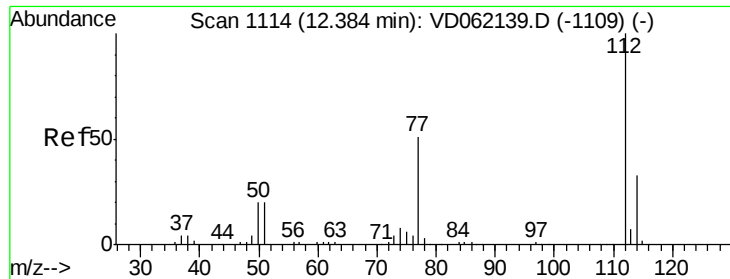
#64
Tetrachloroethene
Concen: 50.000 ug/l
RT: 11.23 min Scan# 997
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Tgt Ion:164 Resp: 386621
Ion Ratio Lower Upper
164 100
166 123.9 101.5 152.3
129 85.8 74.6 112.0
131 86.4 72.6 108.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

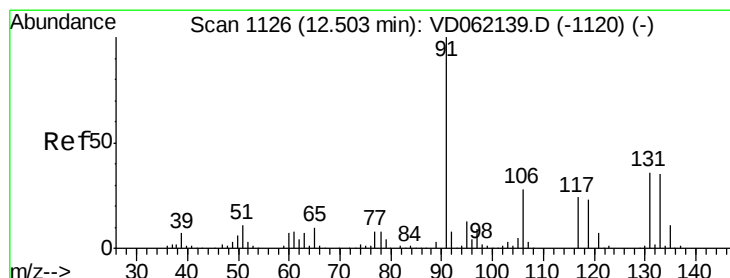
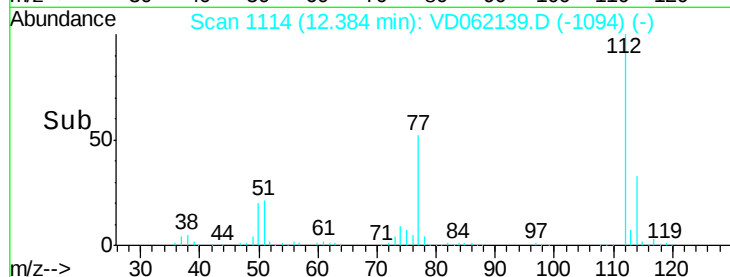
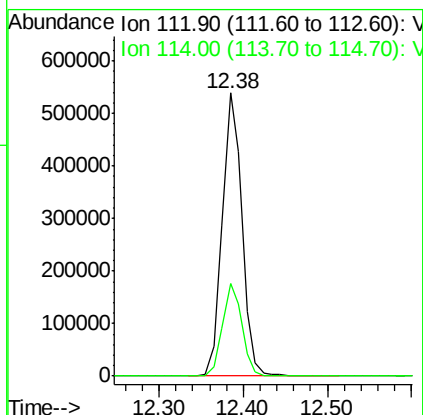
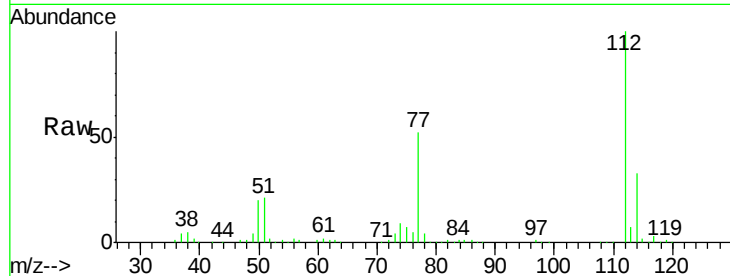




#65
Chlorobenzene
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

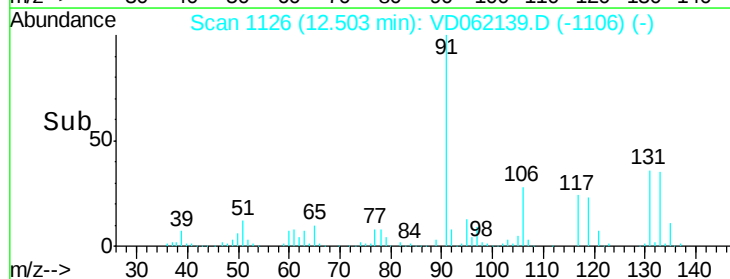
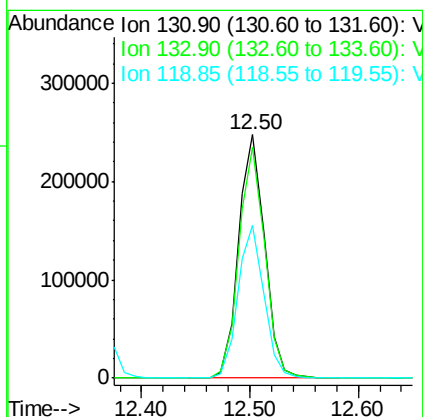
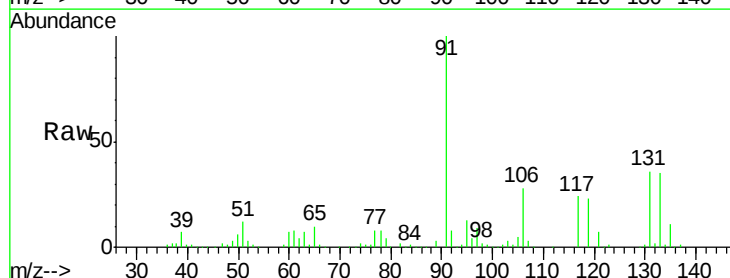
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

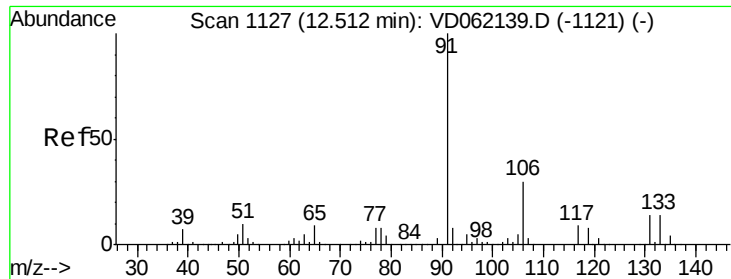
Tot Ion:112 Resp: 872296
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.000 ug/l
RT: 12.50 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Tgt Ion:131 Resp: 412689
Ion Ratio Lower Upper
131 100
133 95.0 48.6 145.8
119 63.0 34.7 104.1

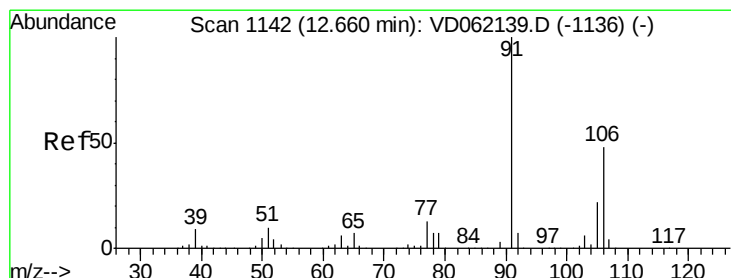
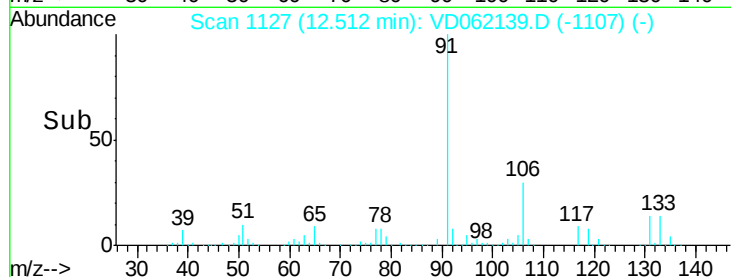
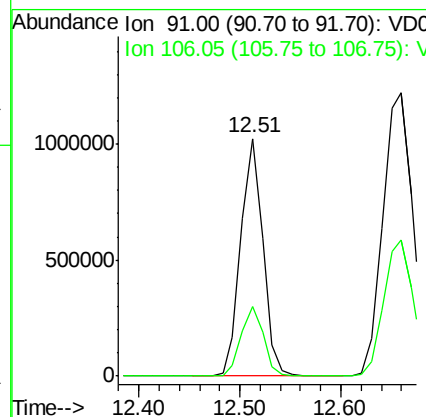
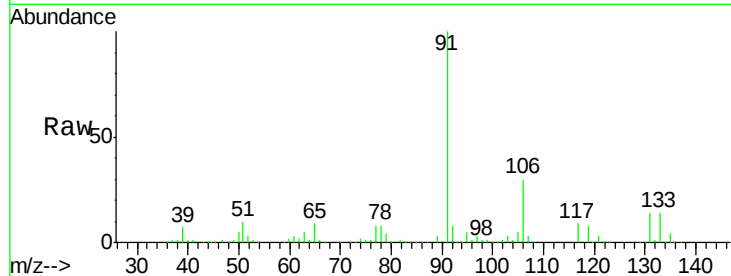




#67
Ethyl Benzene
Concen: 50.000 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

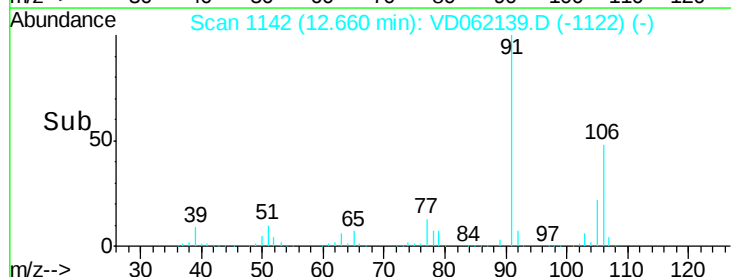
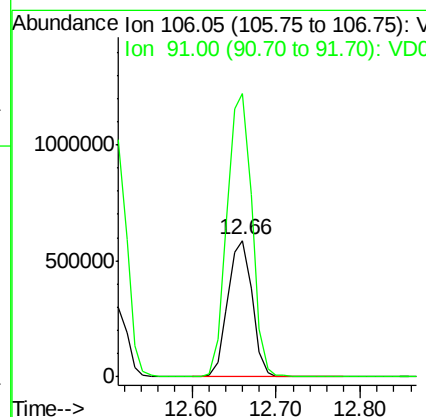
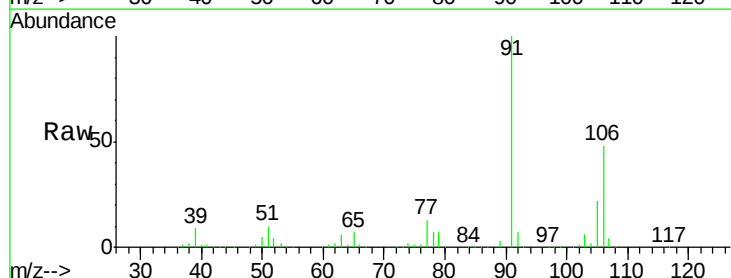
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

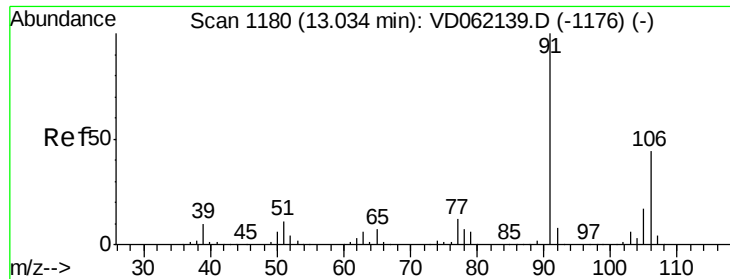
Tot Ion: 91 Resp: 1568608
Ion Ratio Lower Upper
91 100
106 29.5 24.7 37.1



#68
m/p-Xylenes
Concen: 100.000 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Tgt Ion:106 Resp: 1180122
Ion Ratio Lower Upper
106 100
91 207.7 164.0 246.0

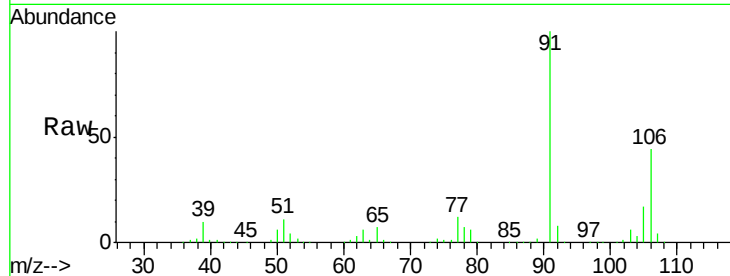




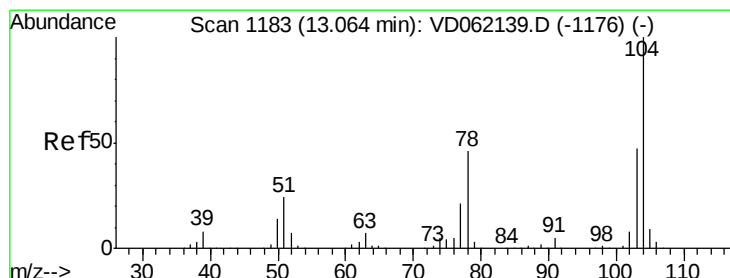
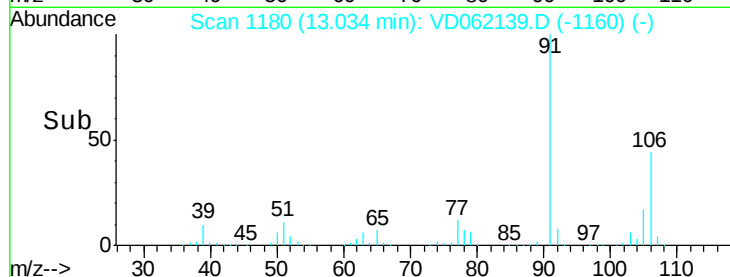
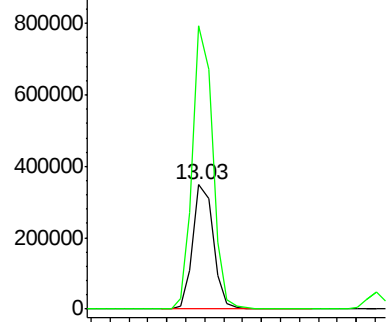
#69
o-Xylene
Concen: 50.000 ug/l
RT: 13.03 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 529645
Ion Ratio Lower Upper
106 100
91 228.2 106.7 319.9

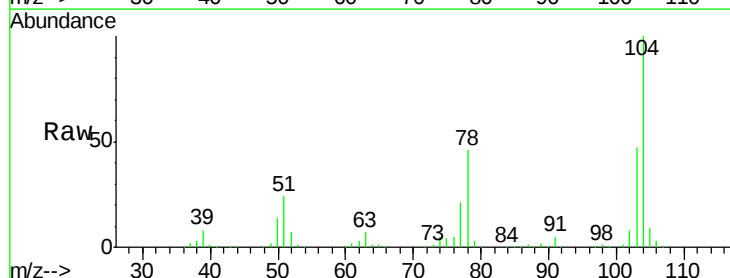


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

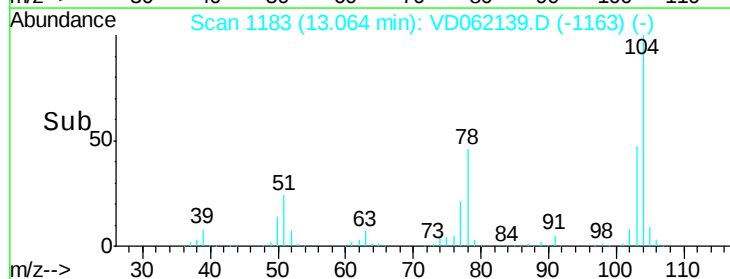
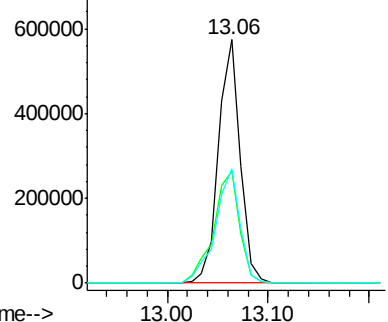


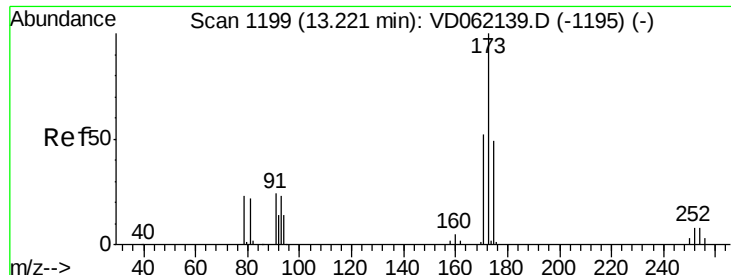
#70
Styrene
Concen: 50.000 ug/l
RT: 13.06 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Tgt Ion:104 Resp: 865882
Ion Ratio Lower Upper
104 100
78 46.1 35.4 53.2
103 47.1 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

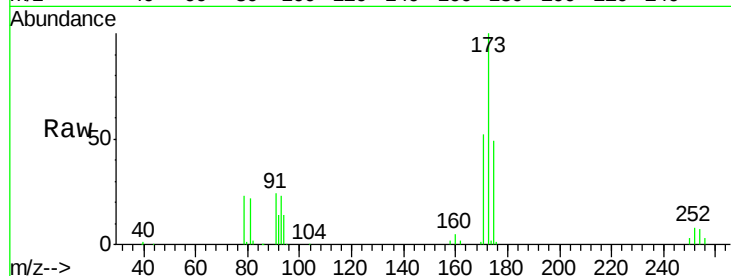




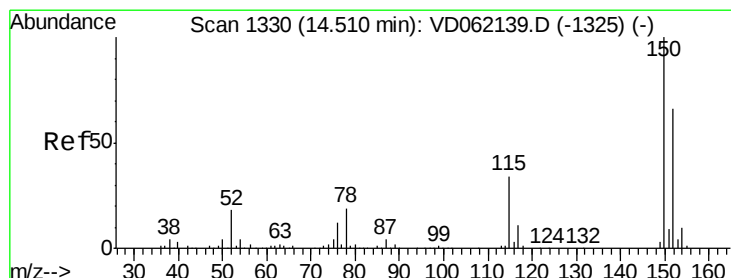
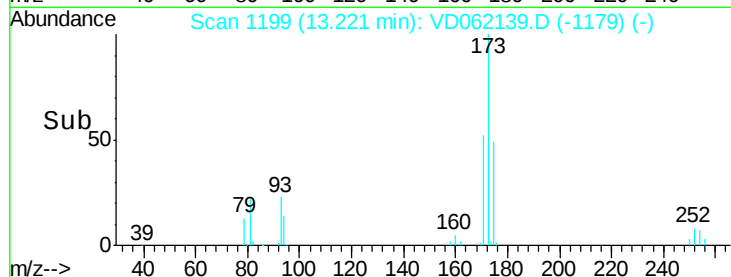
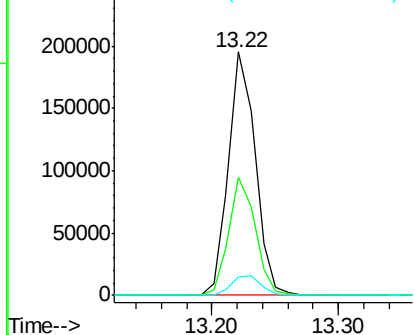
#71
Bromoform
Concen: 50.000 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Instrument :
MSVOA_D
ClientSampled :
VSTDICCC050

Tot Ion:173 Resp: 286274
Ion Ratio Lower Upper
173 100
175 48.7 24.4 73.4
254 7.5 5.4 8.2

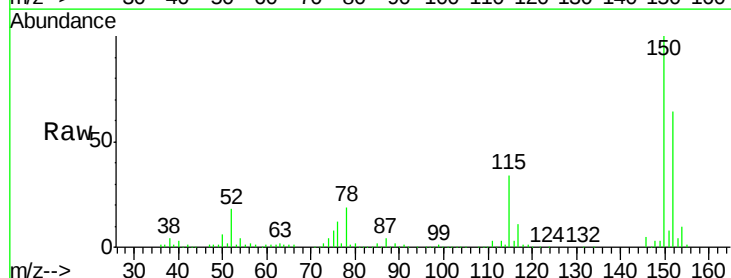


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

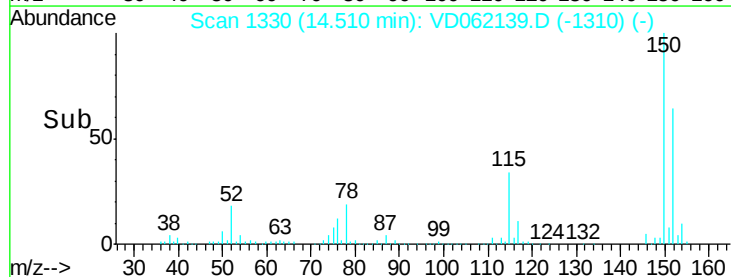
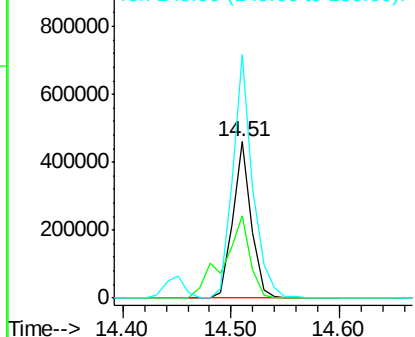


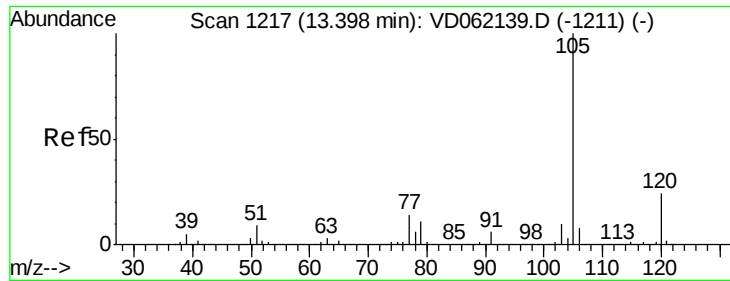
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Tgt Ion:152 Resp: 542925
Ion Ratio Lower Upper
152 100
115 52.9 30.9 92.7
150 156.1 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.000 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

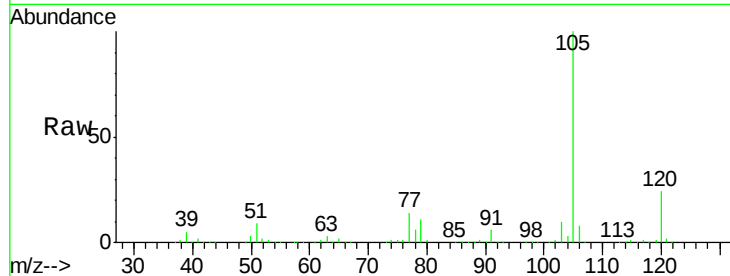
VSTDICCC050

Tot Ion:105 Resp: 1619368

Ion Ratio Lower Upper

105 100

120 23.8 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1200000

1000000

800000

600000

400000

200000

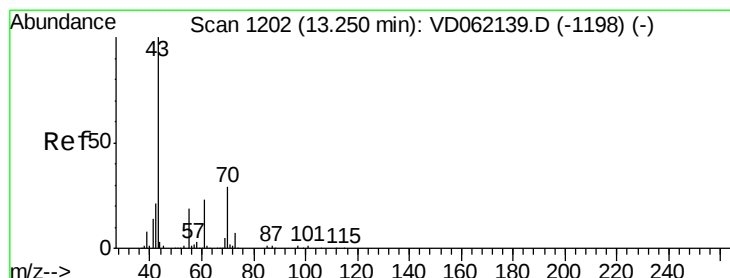
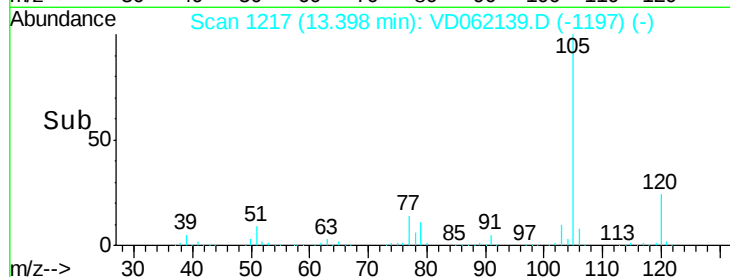
0

13.40

13.30

13.50

Time-->



#74

N-ethyl acetate

Concen: 50.000 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

Tgt Ion: 43 Resp: 418375

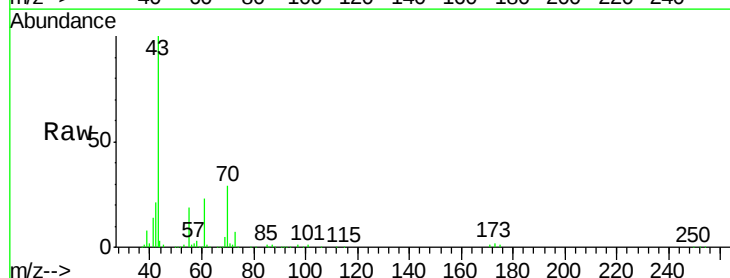
Ion Ratio Lower Upper

43 100

70 28.6 24.2 36.4

55 18.6 16.0 24.0

61 23.4 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

400000

300000

200000

100000

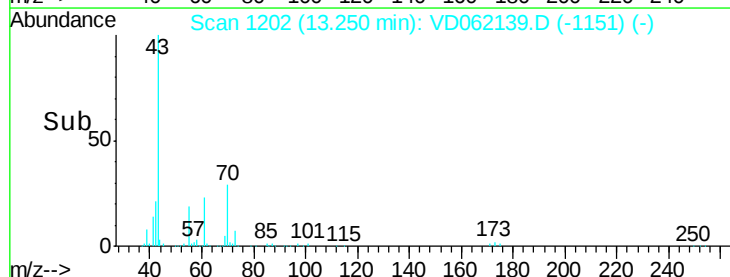
0

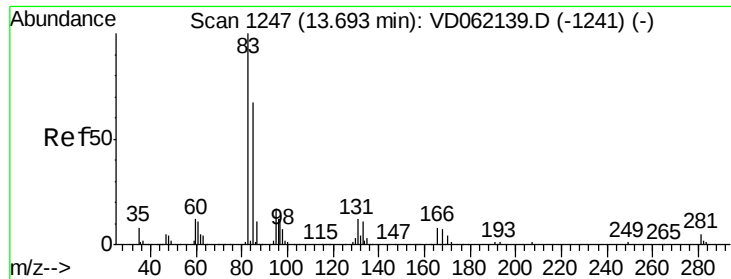
13.25

13.20

13.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.000 ug/l

RT: 13.69 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

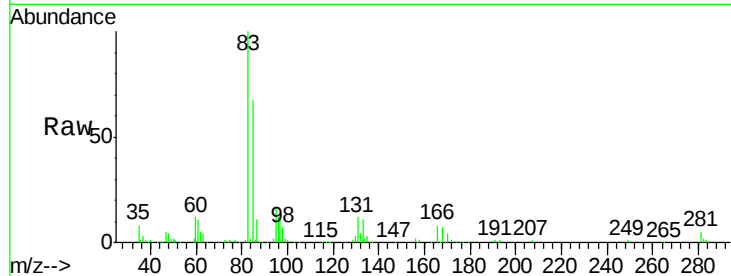
Tot Ion: 83 Resp: 290281

Ion Ratio Lower Upper

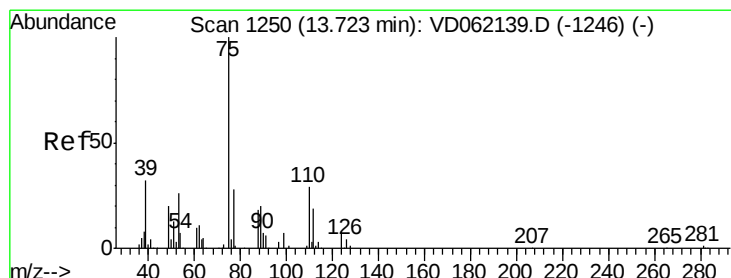
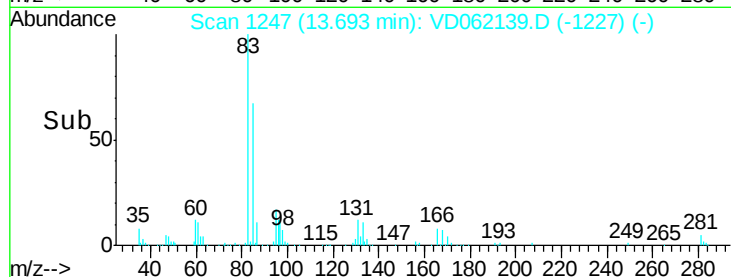
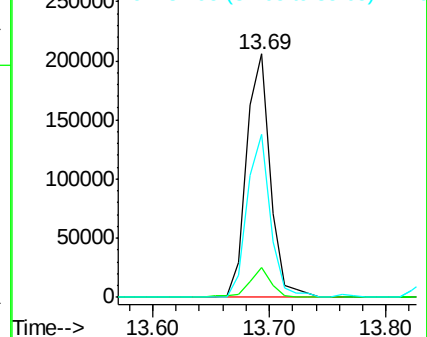
83 100

131 12.2 5.0 14.9

85 66.9 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 50.000 ug/l

RT: 13.72 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062139.D

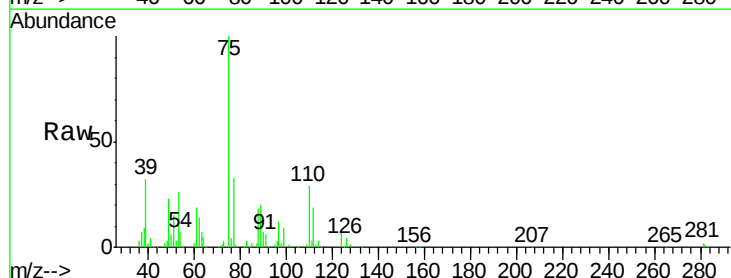
Acq: 7 May 2019 13:04

Tgt Ion: 75 Resp: 299631

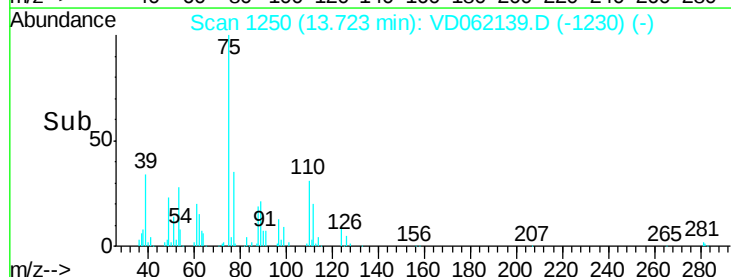
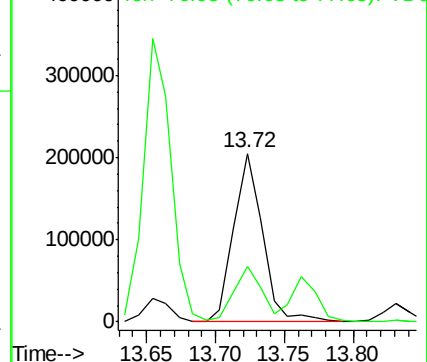
Ion Ratio Lower Upper

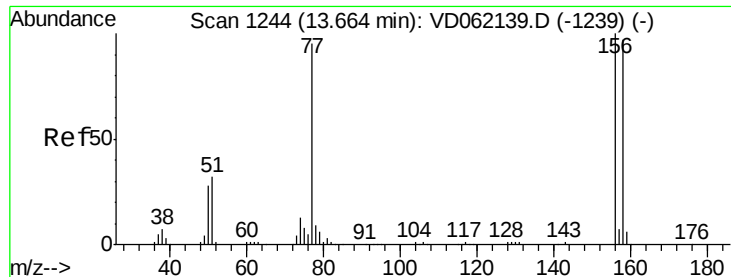
75 100

77 32.8 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC

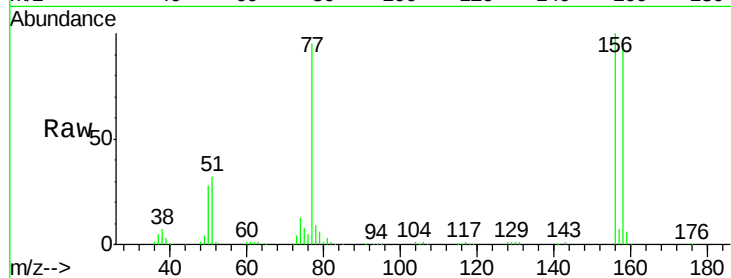




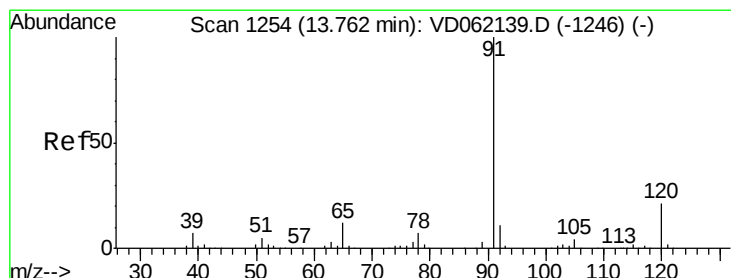
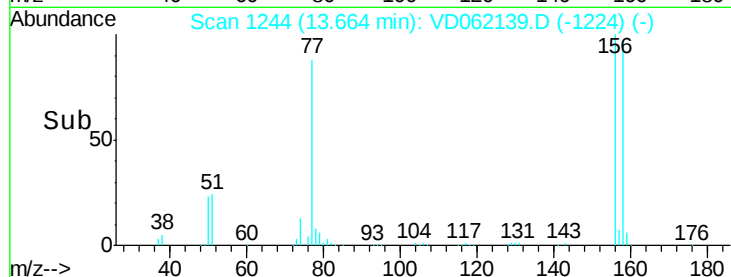
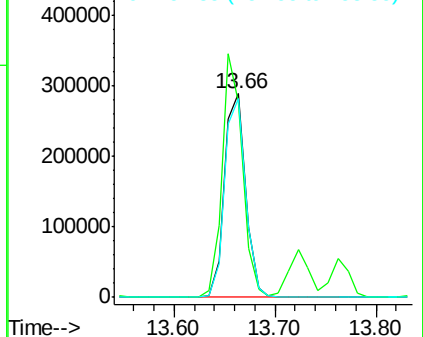
#77
Bromobenzene
Concen: 50.000 ug/l
RT: 13.66 min Scan# 1244
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:156 Resp: 421635
Ion Ratio Lower Upper
156 100
77 95.4 53.1 159.4
158 97.5 49.4 148.0

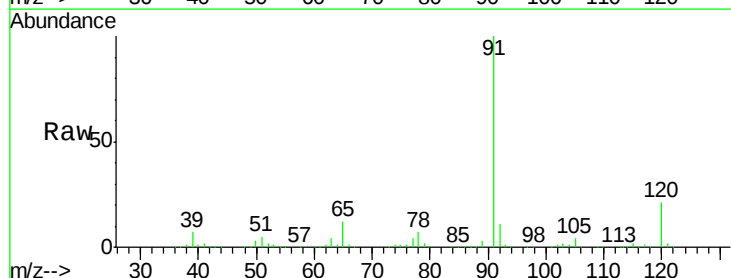


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

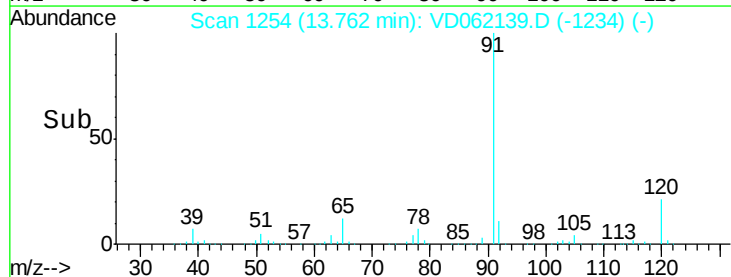
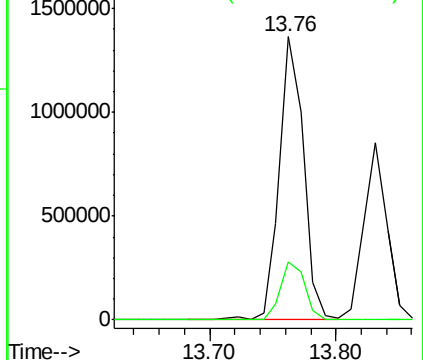


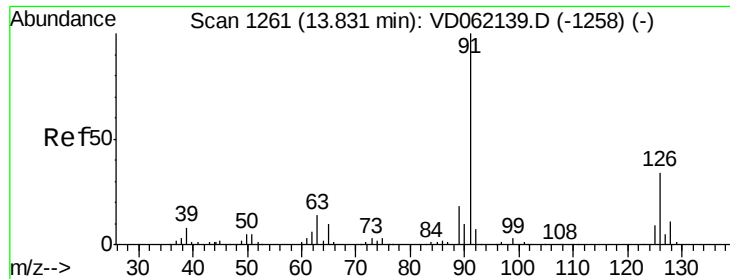
#78
n-propylbenzene
Concen: 50.000 ug/l
RT: 13.76 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Tgt Ion: 91 Resp: 1833362
Ion Ratio Lower Upper
91 100
120 20.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V

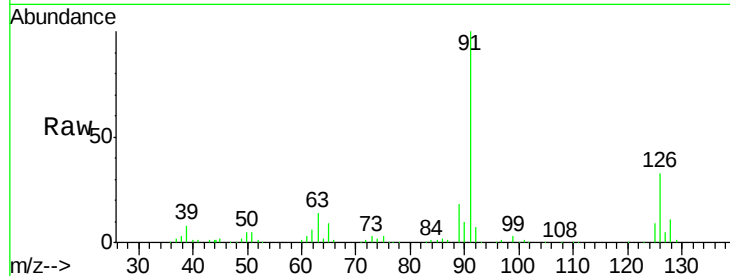




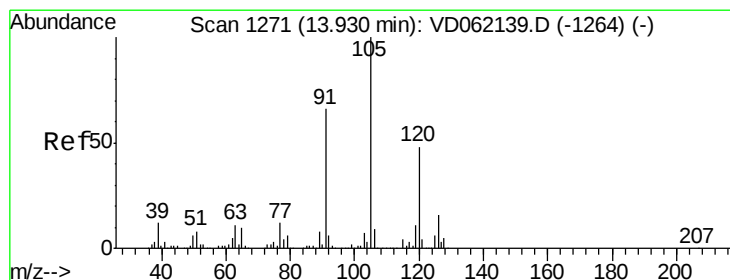
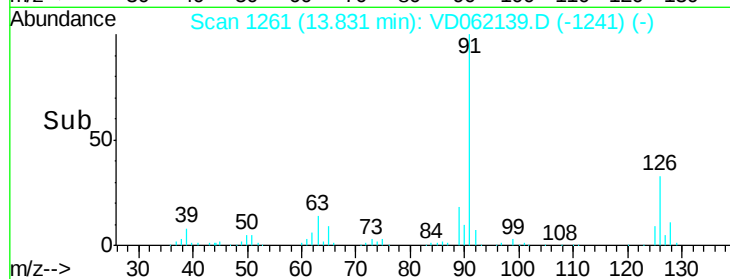
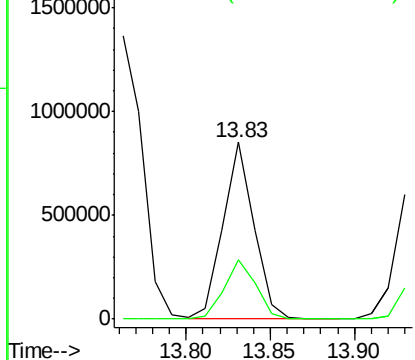
#79
 2-Chlorotoluene
 Concen: 50.000 ug/l
 RT: 13.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD062139.D
 Acq: 7 May 2019 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 91 Resp: 1082633
 Ion Ratio Lower Upper
 91 100
 126 33.4 18.6 55.8

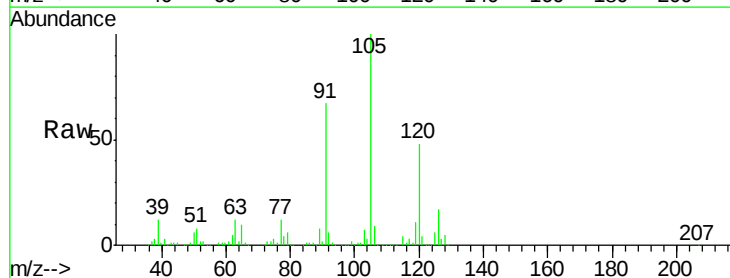


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

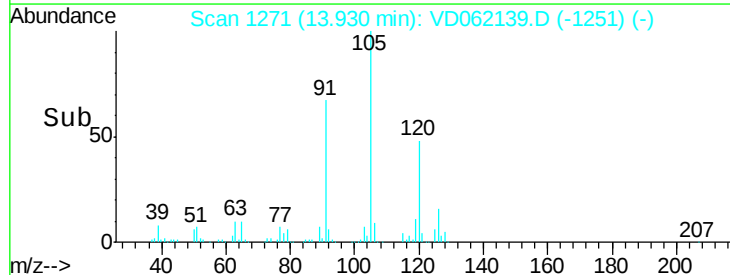
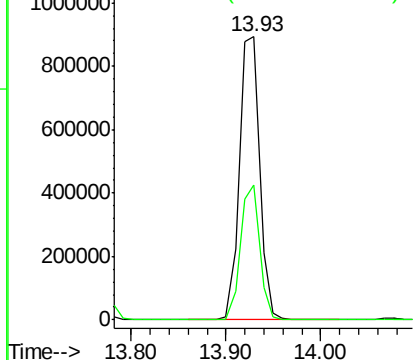


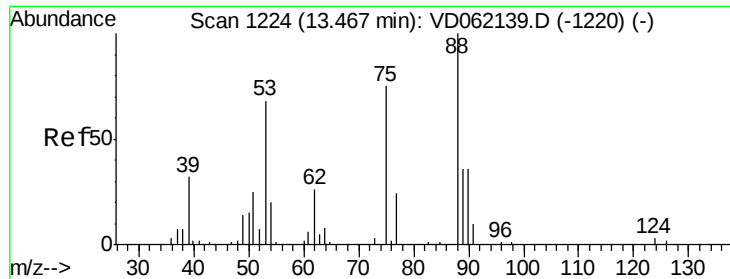
#80
 1,3,5-Trimethylbenzene
 Concen: 50.000 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062139.D
 Acq: 7 May 2019 13:04

Tgt Ion: 105 Resp: 1328386
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

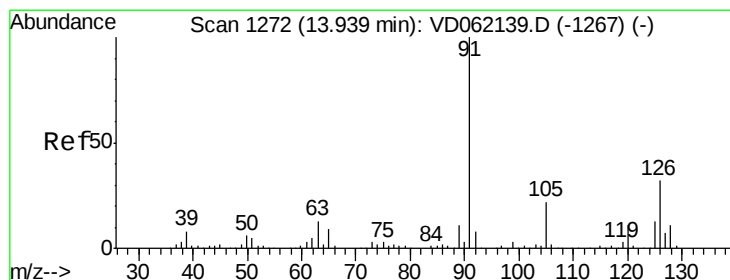
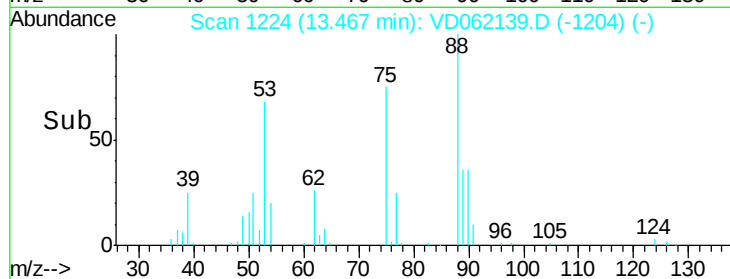
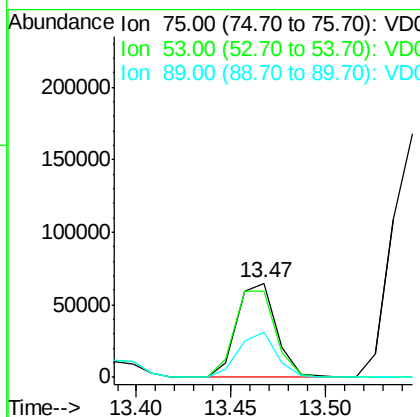
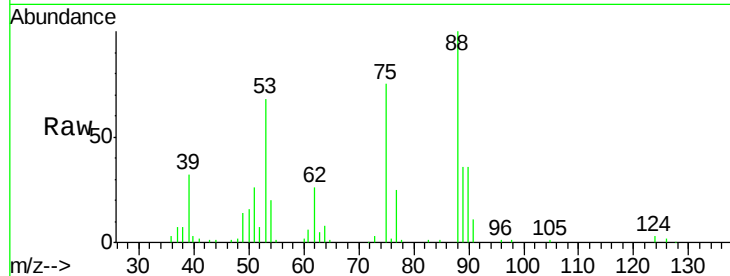




#81
trans-1,4-Dichloro-2-butene
Concen: 50.000 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

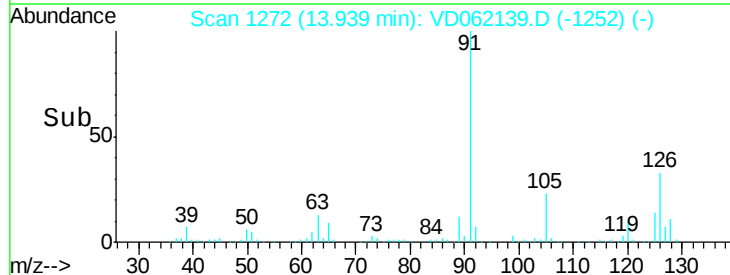
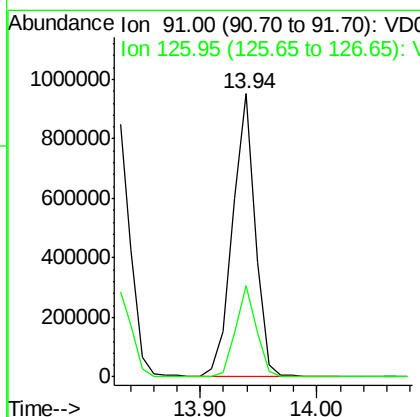
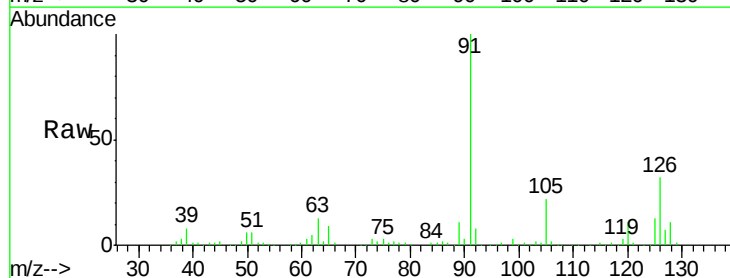
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

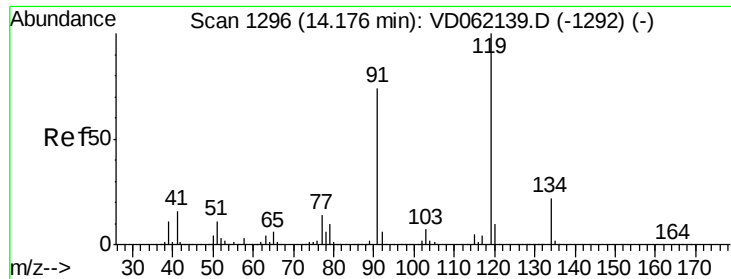
Tot Ion: 75 Resp: 93395
Ion Ratio Lower Upper
75 100
53 91.5 65.8 98.8
89 48.4 35.0 52.6



#82
4-Chlorotoluene
Concen: 50.000 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Tgt Ion: 91 Resp: 1278145
Ion Ratio Lower Upper
91 100
126 32.2 19.1 57.5

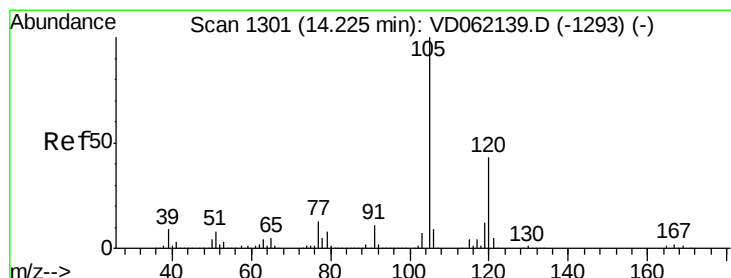
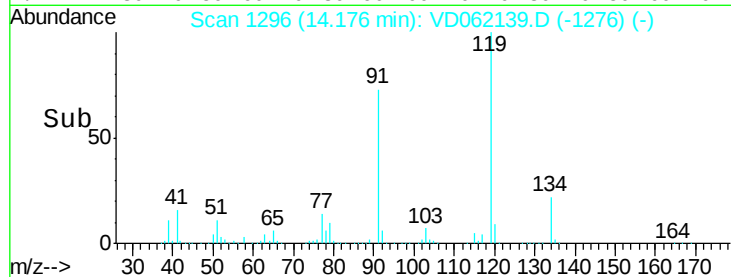
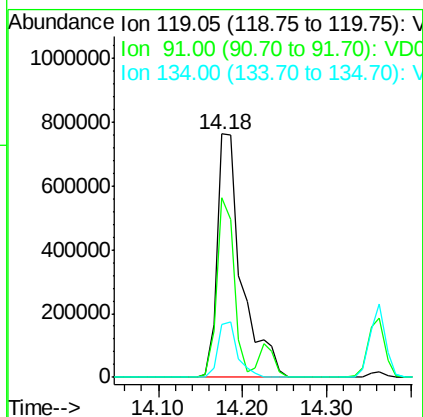
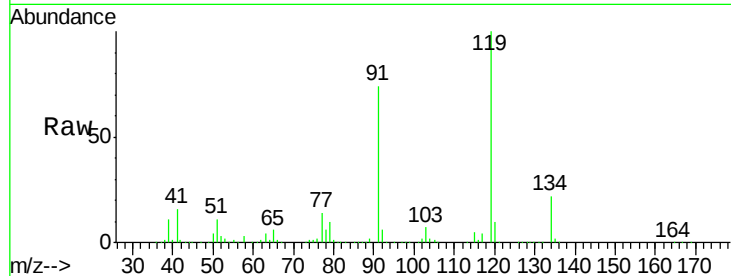




#83
tert-Butylbenzene
Concen: 50.000 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

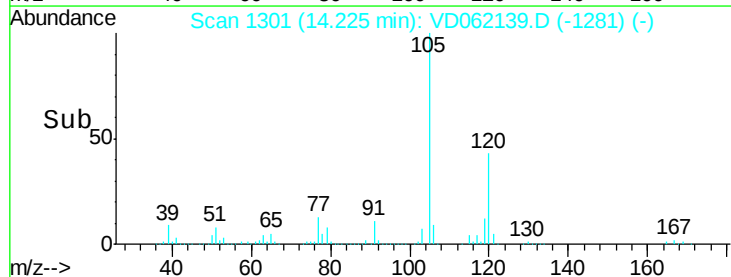
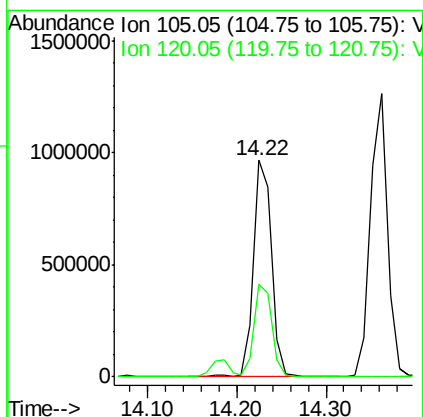
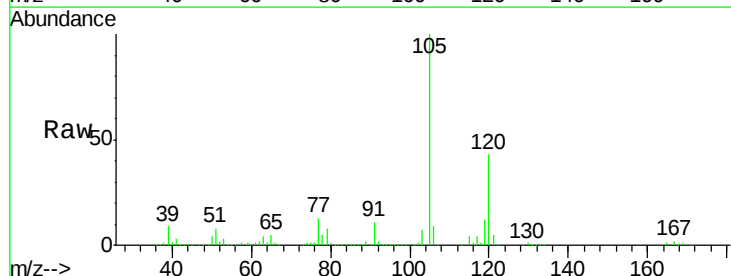
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

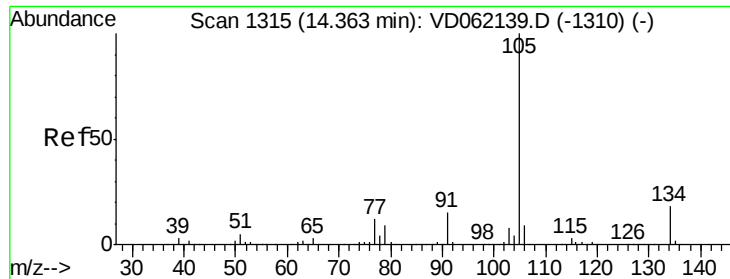
Tot Ion:119 Resp: 1540493
Ion Ratio Lower Upper
119 100
91 74.0 34.2 102.6
134 21.9 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 50.000 ug/l
RT: 14.22 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Tgt Ion:105 Resp: 1338191
Ion Ratio Lower Upper
105 100
120 42.7 23.1 69.2

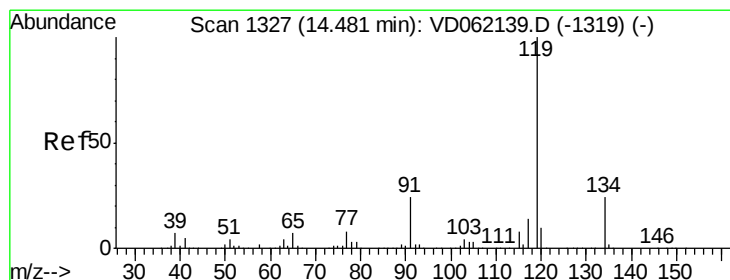
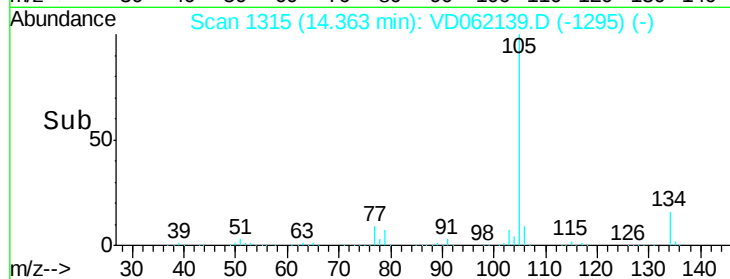
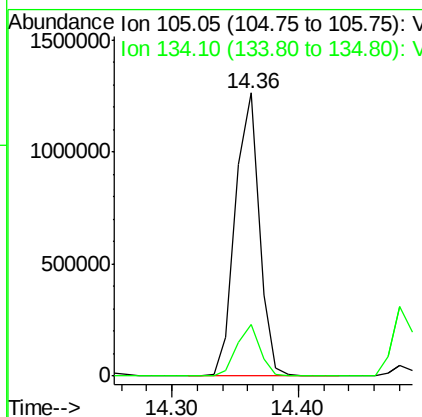
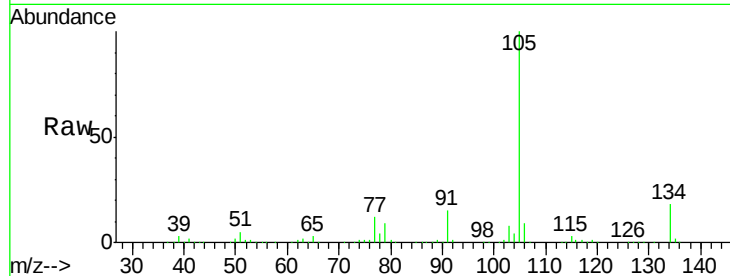




#85
 sec-Butylbenzene
 Concen: 50.000 ug/l
 RT: 14.36 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062139.D
 Acq: 7 May 2019 13:04

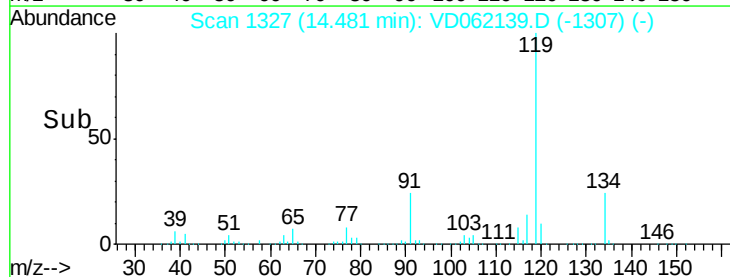
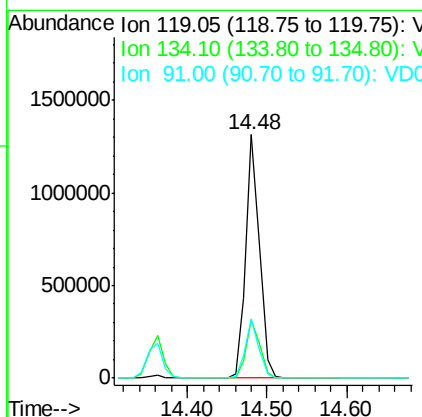
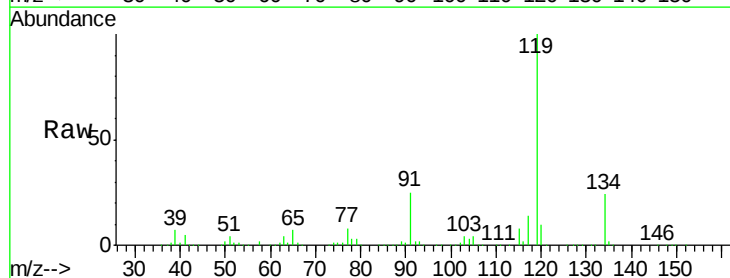
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDICCC050

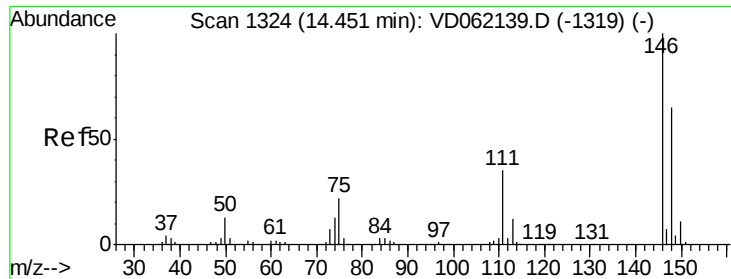
Tot Ion:105 Resp: 1648947
 Ion Ratio Lower Upper
 105 100
 134 18.2 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 50.000 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD062139.D
 Acq: 7 May 2019 13:04

Tgt Ion:119 Resp: 1572835
 Ion Ratio Lower Upper
 119 100
 134 23.7 12.8 38.3
 91 24.5 10.7 32.1

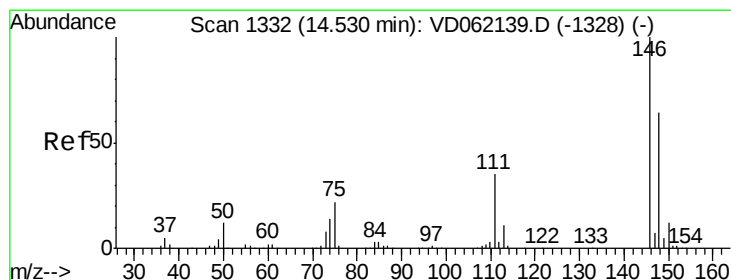
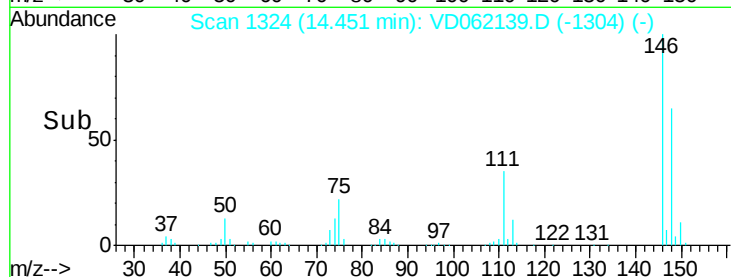
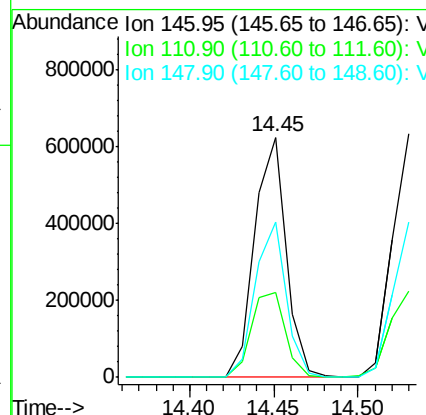
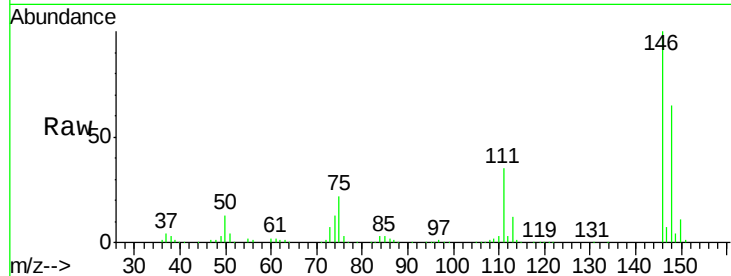




#87
 1,3-Dichlorobenzene
 Concen: 50.000 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062139.D
 Acq: 7 May 2019 13:04

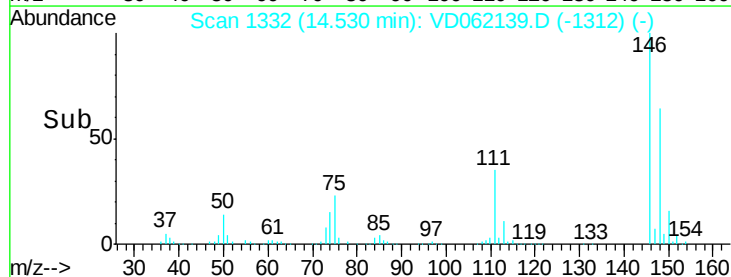
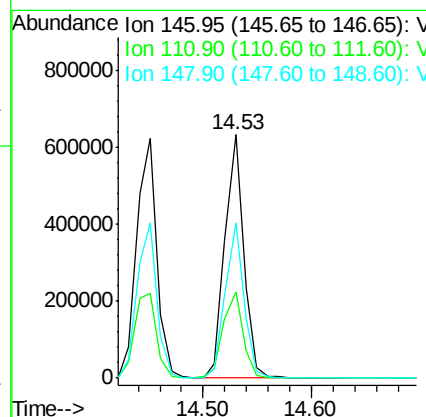
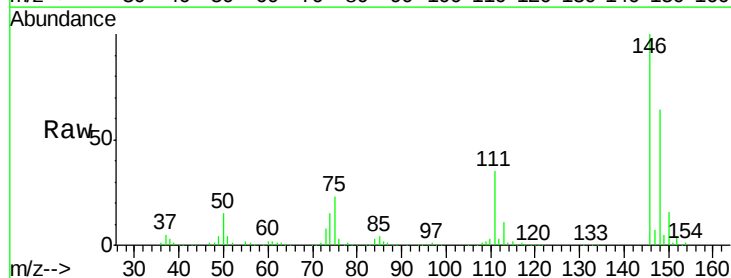
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

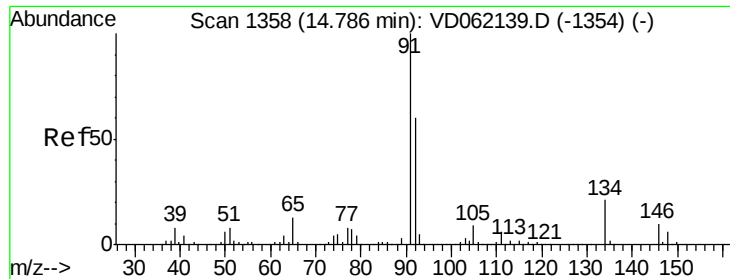
Tot Ion:146 Resp: 811462
 Ion Ratio Lower Upper
 146 100
 111 35.2 20.0 60.0
 148 64.5 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 50.000 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062139.D
 Acq: 7 May 2019 13:04

Tgt Ion:146 Resp: 769413
 Ion Ratio Lower Upper
 146 100
 111 35.3 20.2 60.5
 148 63.8 32.0 96.2

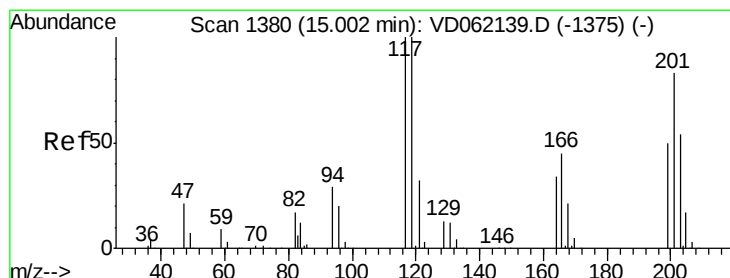
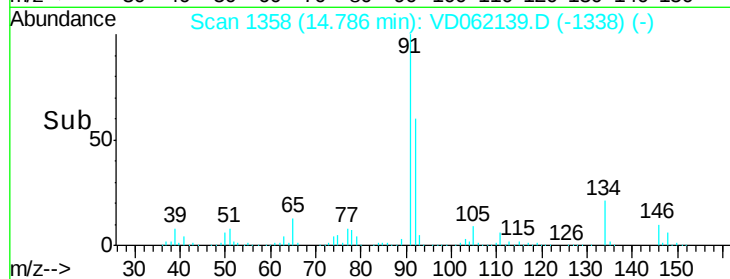
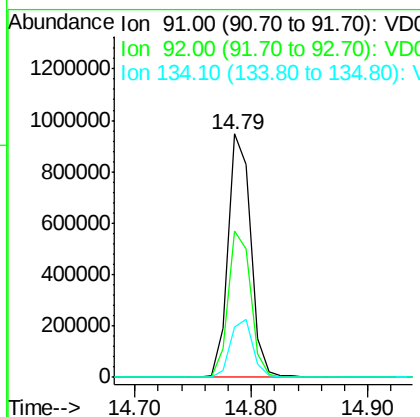
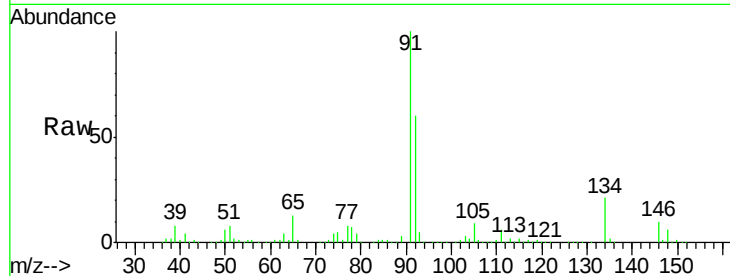




#89
n-Butylbenzene
Concen: 50.000 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

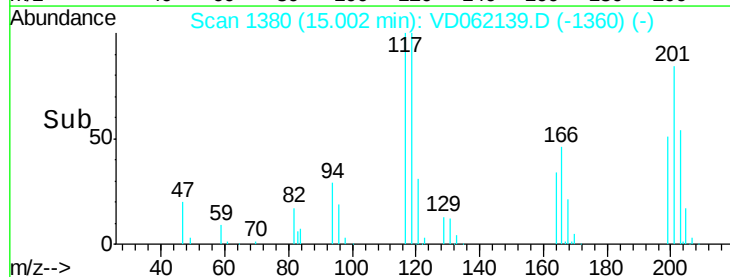
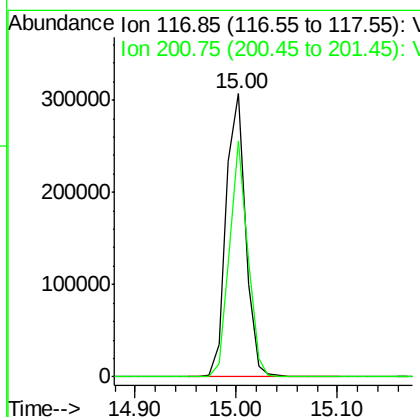
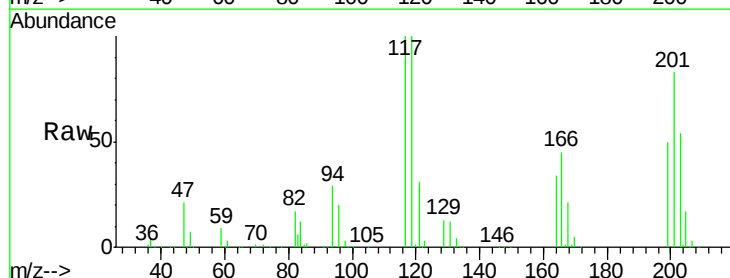
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

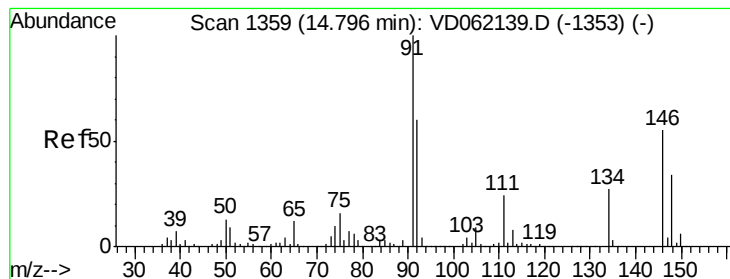
Tot Ion: 91 Resp: 1273548
Ion Ratio Lower Upper
91 100
92 60.3 30.3 91.0
134 20.8 14.5 43.6



#90
Hexachloroethane
Concen: 50.000 ug/l
RT: 15.00 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Tgt Ion: 117 Resp: 409905
Ion Ratio Lower Upper
117 100
201 83.5 30.2 90.6





#91

1,2-Dichlorobenzene

Concen: 50.000 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

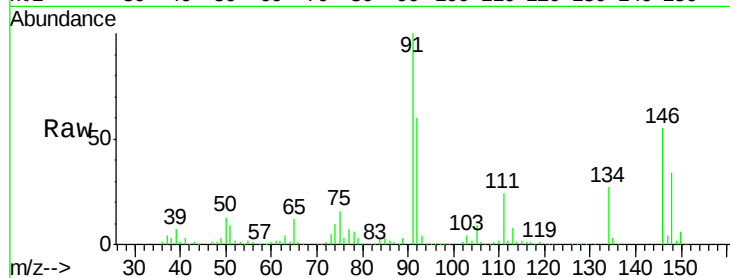
Tot Ion:146 Resp: 632814

Ion Ratio Lower Upper

146 100

111 43.9 20.0 59.9

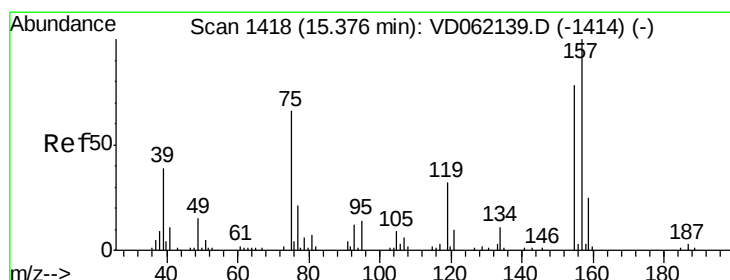
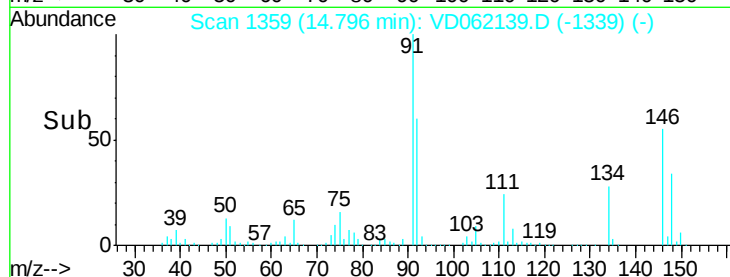
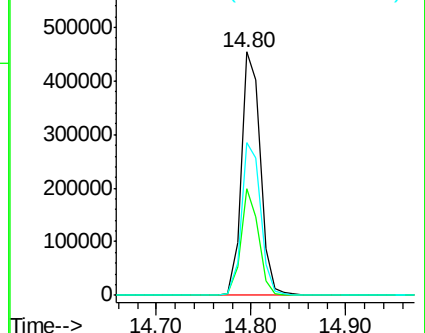
148 62.9 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.000 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VD062139.D

Acq: 7 May 2019 13:04

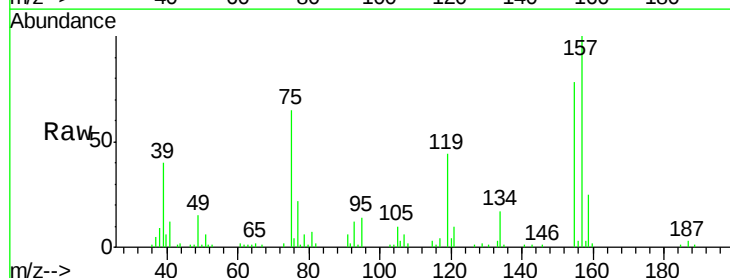
Tgt Ion: 75 Resp: 49004

Ion Ratio Lower Upper

75 100

155 119.0 55.3 165.8

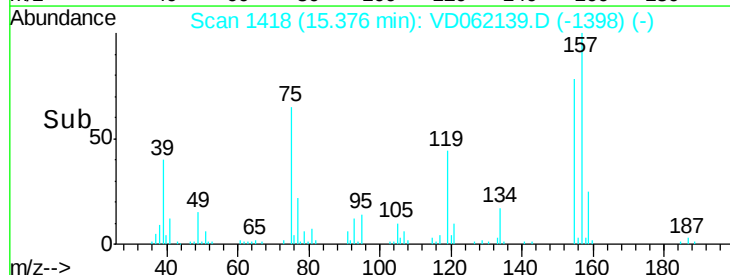
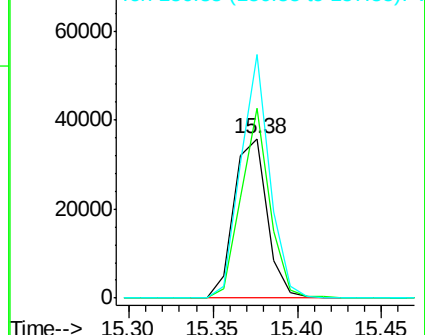
157 152.7 67.8 203.2

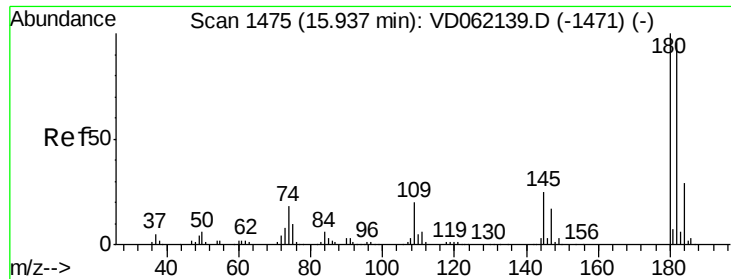


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

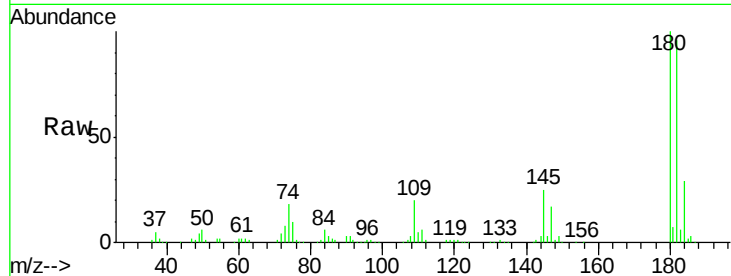




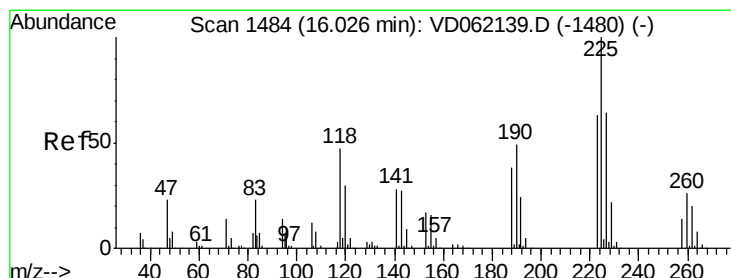
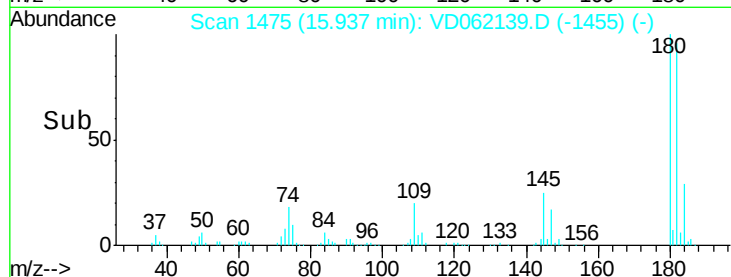
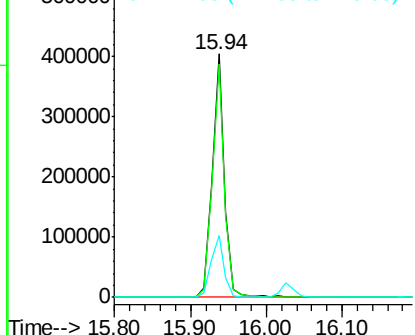
#93
 1,2,4-Trichlorobenzene
 Concen: 50.000 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062139.D
 Acq: 7 May 2019 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:180 Resp: 461272
 Ion Ratio Lower Upper
 180 100
 182 96.0 49.3 147.8
 145 25.3 16.2 48.6

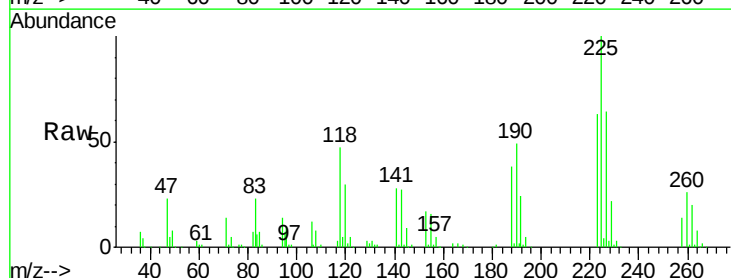


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

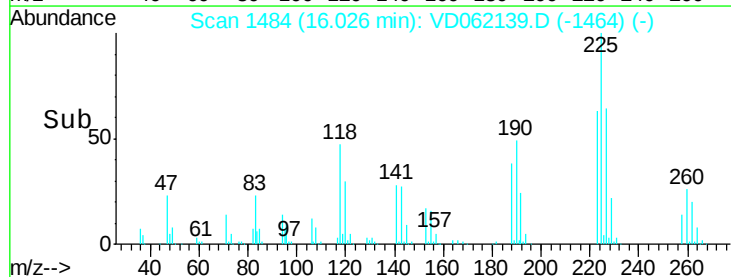
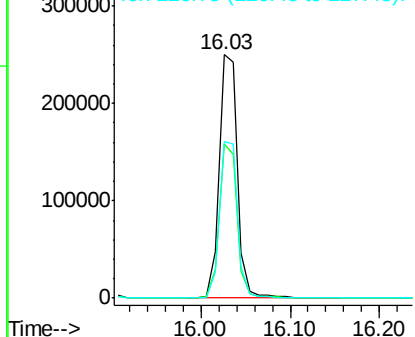


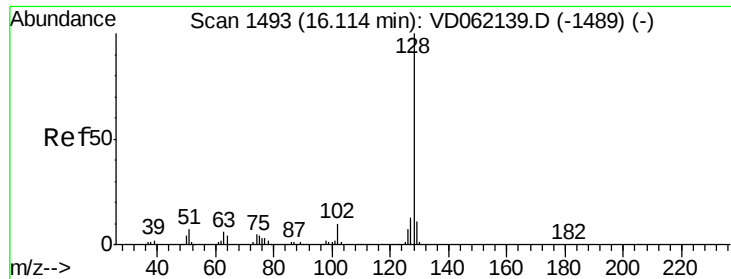
#94
 Hexachlorobutadiene
 Concen: 50.000 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062139.D
 Acq: 7 May 2019 13:04

Tgt Ion:225 Resp: 357435
 Ion Ratio Lower Upper
 225 100
 223 63.1 30.6 92.0
 227 64.3 32.0 96.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

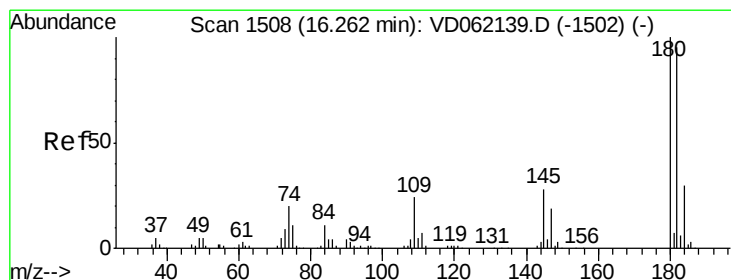
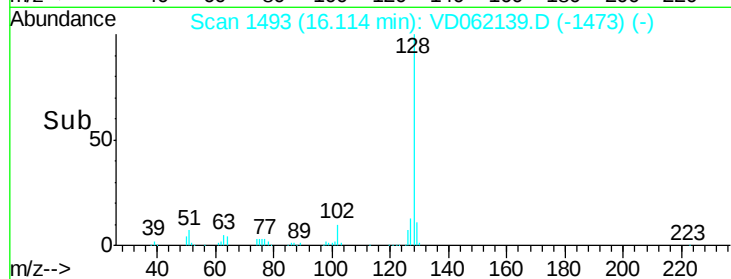
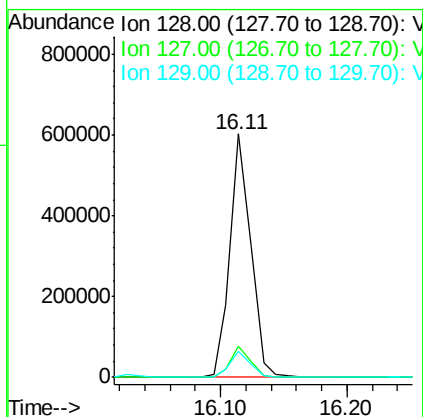
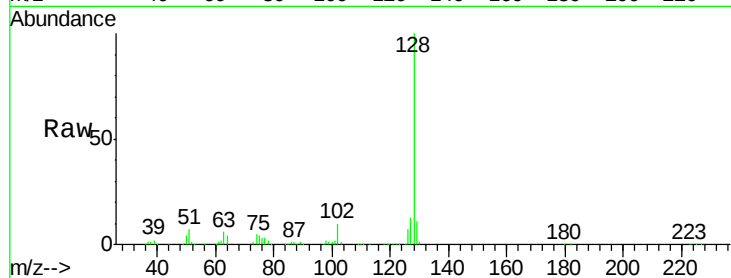




#95
Naphthalene
Concen: 50.000 ug/l
RT: 16.11 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:128 Resp: 690456
Ion Ratio Lower Upper
128 100
127 12.6 9.8 14.8
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 50.000 ug/l
RT: 16.26 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062139.D
Acq: 7 May 2019 13:04

Tgt Ion:180 Resp: 304427
Ion Ratio Lower Upper
180 100
182 95.5 47.0 141.0
145 27.9 17.0 51.0

