

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050819\
 Data File : VD062166.D
 Acq On : 8 May 2019 11:35
 Operator : FY/SY
 Sample : VD0508SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0508SBS01

Quant Time: May 09 01:22:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	789374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	1096709	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	1002201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	500504	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.42	65	383279	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
35) Dibromofluoromethane	6.89	113	478452	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
50) Toluene-d8	10.39	98	1131101	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
62) 4-Bromofluorobenzene	13.54	95	501678	56.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	163280	21.627	ug/l	97
3) Chloromethane	1.74	50	107240	19.658	ug/l	98
4) Vinyl Chloride	1.84	62	100858	18.812	ug/l	97
5) Bromomethane	2.12	94	28187	22.438	ug/l	98
6) Chloroethane	2.23	64	42585	18.930	ug/l	94
7) Trichlorofluoromethane	2.50	101	183883	17.642	ug/l	98
8) Diethyl Ether	2.85	74	38800	19.302	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.11	101	152681	19.364	ug/l	97
10) Methyl Iodide	3.28	142	178983	15.019	ug/l	92
11) Tert butyl alcohol	4.04	59	37410	99.906	ug/l	96
12) 1,1-Dichloroethene	3.09	96	110474	18.355	ug/l	89
13) Acrolein	3.01	56	33349	86.107	ug/l	92
14) Allyl chloride	3.59	41	169417	19.359	ug/l #	83
15) Acrylonitrile	4.16	53	88948	90.374	ug/l #	87
16) Acetone	3.19	43	154055	100.141	ug/l #	87
17) Carbon Disulfide	3.34	76	301128	17.392	ug/l	99
18) Methyl Acetate	3.61	43	47915	17.216	ug/l	98
19) Methyl tert-butyl Ether	4.20	73	237213	18.387	ug/l	98
20) Methylene Chloride	3.78	84	152357	23.719	ug/l	98
21) trans-1,2-Dichloroethene	4.19	96	118189	17.646	ug/l	94
22) Diisopropyl ether	5.07	45	376285	20.206	ug/l	94
23) Vinyl Acetate	5.01	43	979939	99.734	ug/l	96
24) 1,1-Dichloroethane	4.95	63	216904	19.307	ug/l	98
25) 2-Butanone	6.03	43	168115	100.187	ug/l	95
26) 2,2-Dichloropropane	5.99	77	228223	20.394	ug/l	93
27) cis-1,2-Dichloroethene	6.00	96	146301	19.515	ug/l	96
28) Bromochloromethane	6.40	49	89291	20.202	ug/l	92
29) Tetrahydrofuran	6.42	42	74790	96.733	ug/l	92
30) Chloroform	6.63	83	283026	20.904	ug/l	99
31) Cyclohexane	6.92	56	155655	20.224	ug/l	99
32) 1,1,1-Trichloroethane	6.83	97	256475	20.041	ug/l	97
36) 1,1-Dichloropropene	7.11	75	188177	20.927	ug/l	98
37) Ethyl Acetate	6.15	43	75954	19.918	ug/l	93
38) Carbon Tetrachloride	7.08	117	266244	21.392	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.83	83	167699	19.465	ug/l	98
40) Benzene	7.42	78	400733	19.736	ug/l	99
41) Methacrylonitrile	6.41	41	90373	19.393	ug/l #	81
42) 1,2-Dichloroethane	7.54	62	173306	20.145	ug/l	93
43) Isopropyl Acetate	9.21	43	100983	18.672	ug/l	98
44) Trichloroethene	8.51	130	154794	20.006	ug/l	82
45) 1,2-Dichloropropane	8.91	63	102139	20.337	ug/l	100
46) Dibromomethane	9.03	93	84516	20.693	ug/l	96
47) Bromodichloromethane	9.34	83	207619	20.783	ug/l	96
48) Methyl methacrylate	9.09	41	67377	20.226	ug/l	87
49) 1,4-Dioxane	9.05	88	14218	395.576	ug/l	93
51) 4-Methyl-2-Pentanone	10.28	43	336323	96.743	ug/l	96
52) Toluene	10.49	92	284420	21.529	ug/l	98
53) t-1,3-Dichloropropene	10.89	75	185482	21.482	ug/l	98
54) cis-1,3-Dichloropropene	10.01	75	187655	19.922	ug/l	90
55) 1,1,2-Trichloroethane	11.16	97	99841	21.359	ug/l	97
56) Ethyl methacrylate	11.02	69	93554	19.260	ug/l #	88
57) 1,3-Dichloropropane	11.38	76	144040	20.397	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.83	63	280081	105.559	ug/l	97
59) 2-Hexanone	11.51	43	263856	102.977	ug/l	93
60) Dibromochloromethane	11.67	129	158686	19.643	ug/l	99
61) 1,2-Dibromoethane	11.78	107	112381	19.775	ug/l	97
64) Tetrachloroethene	11.23	164	143786	18.348	ug/l	95
65) Chlorobenzene	12.38	112	340049	18.217	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.49	131	148278	18.252	ug/l	97
67) Ethyl Benzene	12.50	91	610437	19.534	ug/l	95
68) m/p-Xylenes	12.65	106	460556	40.508	ug/l	91
69) o-Xylene	13.03	106	214725	20.314	ug/l	91
70) Styrene	13.05	104	387438	21.637	ug/l	98
71) Bromoform	13.22	173	106136	18.778	ug/l #	93
73) Isopropylbenzene	13.39	105	703207	23.439	ug/l	96
74) N-amyl acetate	13.25	43	156659	19.916	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.68	83	109629	19.302	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	125789	21.148	ug/l	99
77) Bromobenzene	13.65	156	177801	21.170	ug/l	90
78) n-propylbenzene	13.76	91	848858	23.719	ug/l	96
79) 2-Chlorotoluene	13.83	91	479553	23.396	ug/l	97
80) 1,3,5-Trimethylbenzene	13.92	105	567349	22.457	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.46	75	31159	18.556	ug/l #	80
82) 4-Chlorotoluene	13.93	91	548890	22.757	ug/l	81
83) tert-Butylbenzene	14.18	119	597723	21.049	ug/l	96
84) 1,2,4-Trimethylbenzene	14.22	105	575998	22.720	ug/l	94
85) sec-Butylbenzene	14.35	105	622916	20.008	ug/l	96
86) p-Isopropyltoluene	14.48	119	556367	20.001	ug/l	94
87) 1,3-Dichlorobenzene	14.44	146	308725	20.123	ug/l	98
88) 1,4-Dichlorobenzene	14.52	146	316471	20.993	ug/l	97
89) n-Butylbenzene	14.79	91	605283	24.243	ug/l	95
90) Hexachloroethane	14.99	117	153606	20.306	ug/l	98
91) 1,2-Dichlorobenzene	14.80	146	282931	22.392	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	20005	21.457	ug/l	61

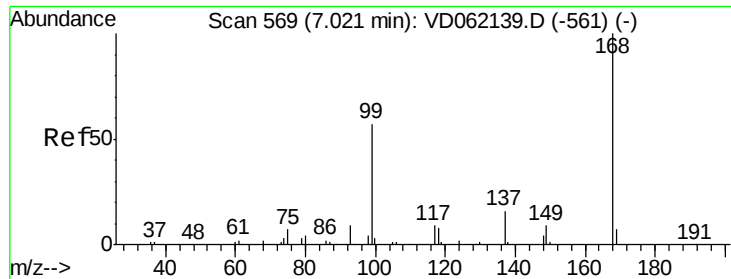
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD050819\
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QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	194464	21.145	ug/l	95
94) Hexachlorobutadiene	16.03	225	144477	21.122	ug/l	98
95) Naphthalene	16.11	128	256119	19.947	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	133181	23.032	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.01 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

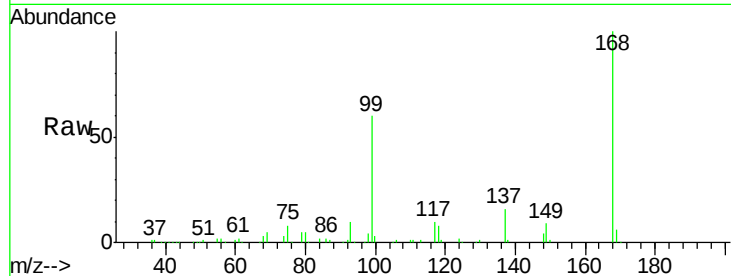
VD0508SBS01

Tot Ion:168 Resp: 789374

Ion Ratio Lower Upper

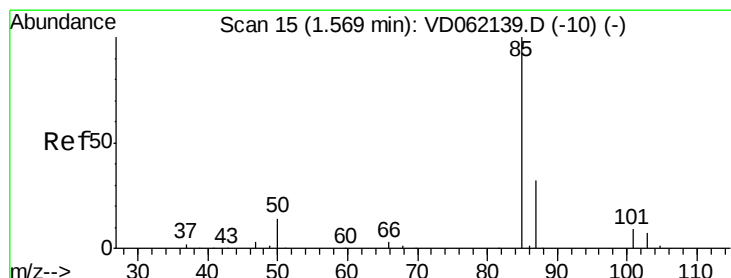
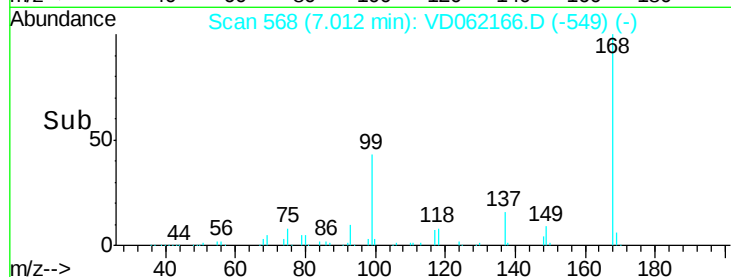
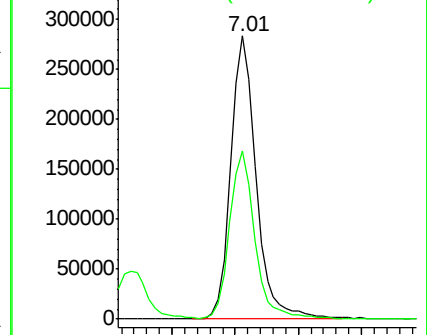
168 100

99 59.6 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: 21.627 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062166.D

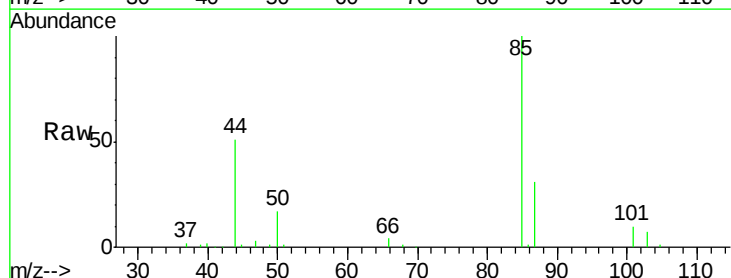
Acq: 8 May 2019 11:35

Tgt Ion: 85 Resp: 163280

Ion Ratio Lower Upper

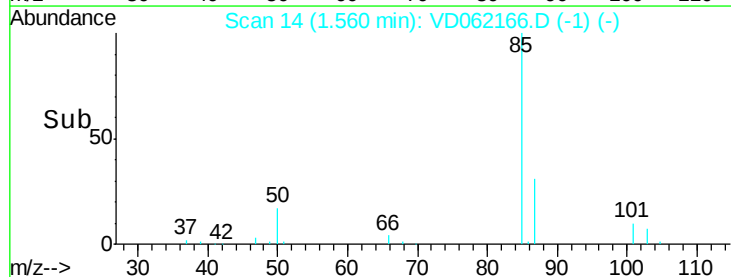
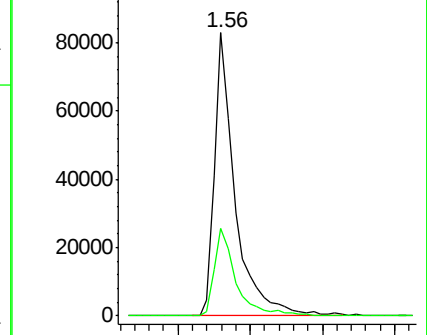
85 100

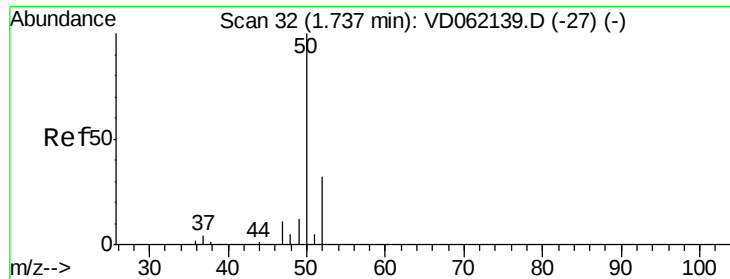
87 30.9 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.658 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

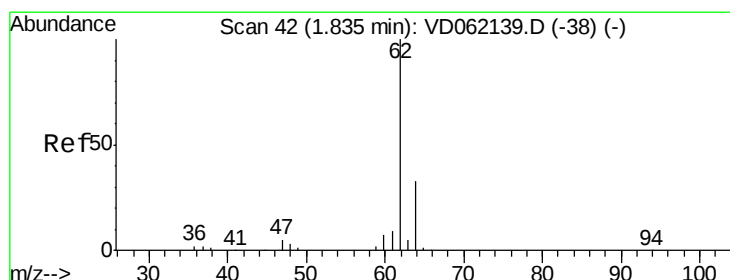
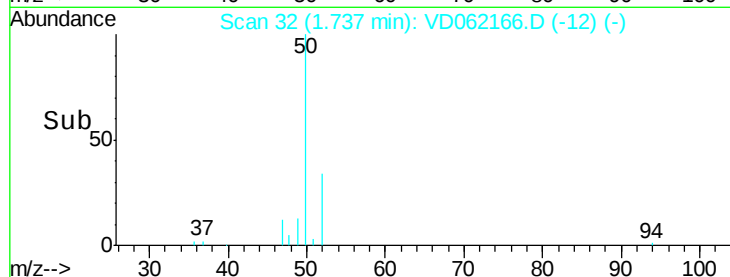
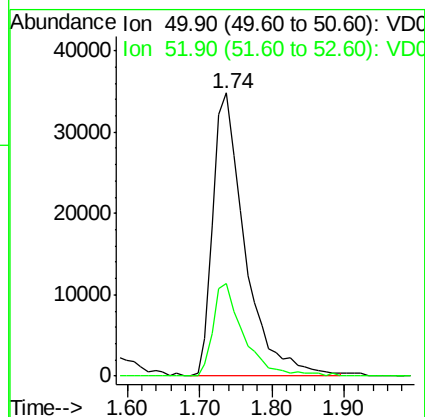
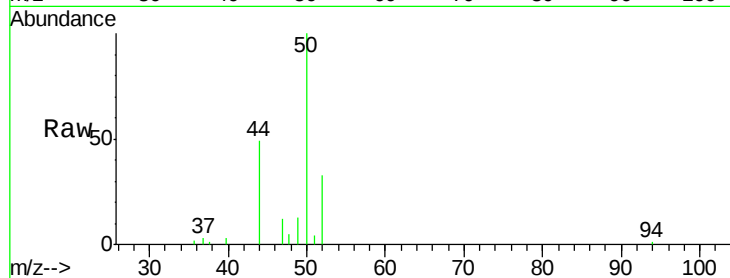
VD0508SBS01

Tot Ion: 50 Resp: 107240

Ion Ratio Lower Upper

50 100

52 32.8 25.2 37.8



#4

Vinyl Chloride

Concen: 18.812 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD062166.D

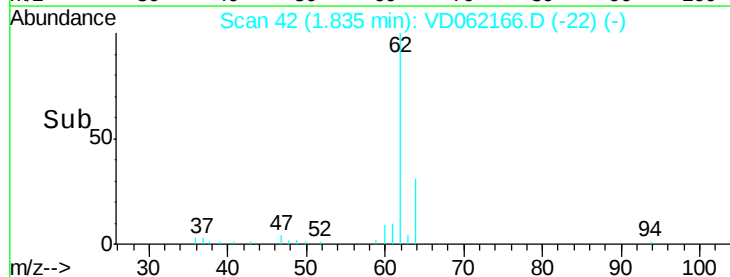
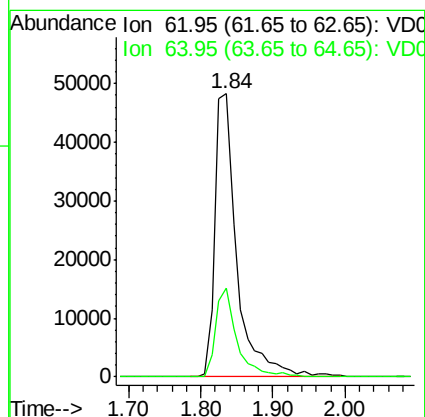
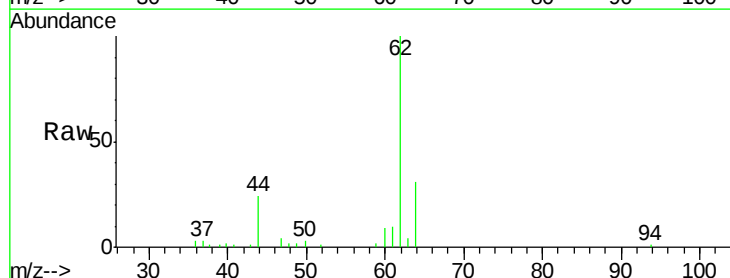
Acq: 8 May 2019 11:35

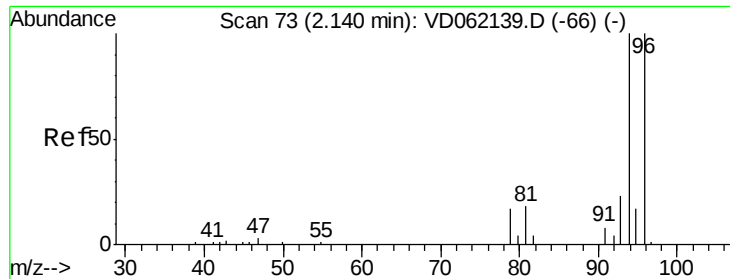
Tgt Ion: 62 Resp: 100858

Ion Ratio Lower Upper

62 100

64 31.3 26.5 39.7





#5

Bromomethane

Concen: 22.438 ug/l

RT: 2.12 min Scan# 71

Delta R.T. -0.02 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD0508SBS01

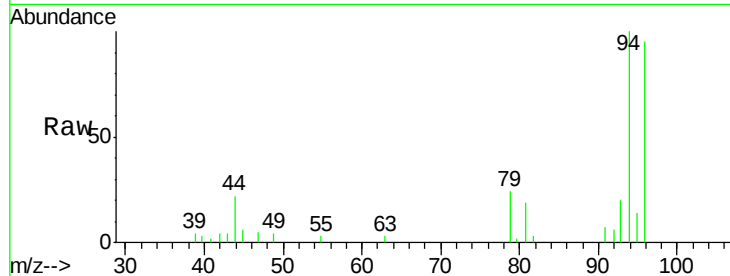
Tot Ion: 94 Resp: 28187

Ion Ratio Lower Upper

94 100

96 95.2 76.6 115.0

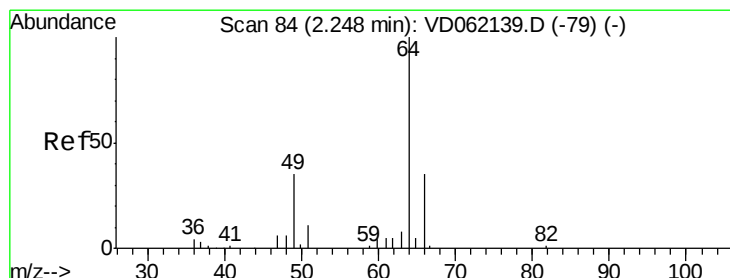
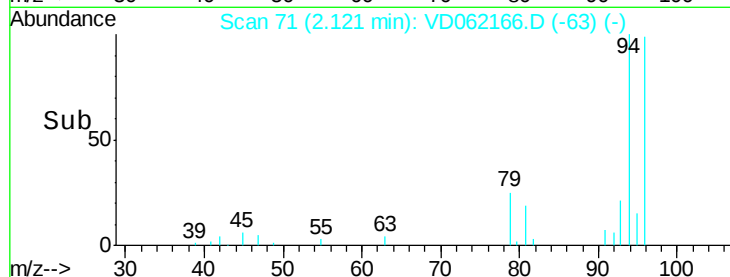
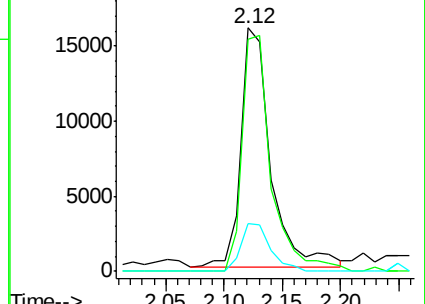
93 19.7 18.5 27.7



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: 18.930 ug/l

RT: 2.23 min Scan# 82

Delta R.T. -0.02 min

Lab File: VD062166.D

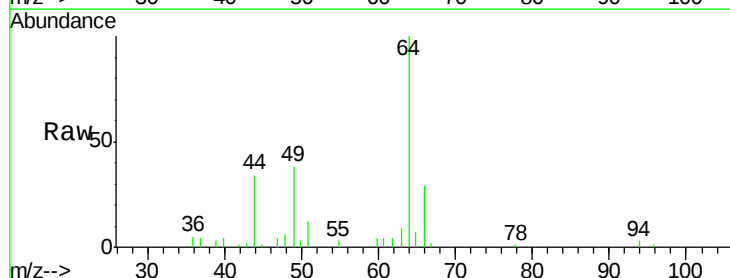
Acq: 8 May 2019 11:35

Tgt Ion: 64 Resp: 42585

Ion Ratio Lower Upper

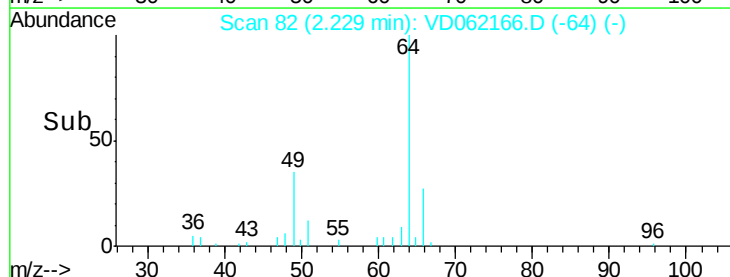
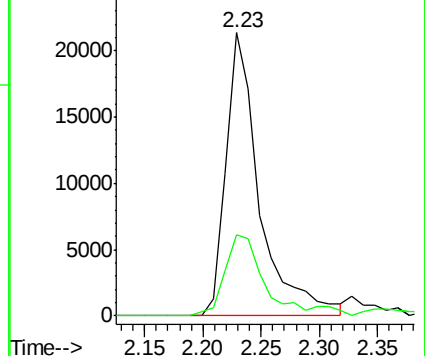
64 100

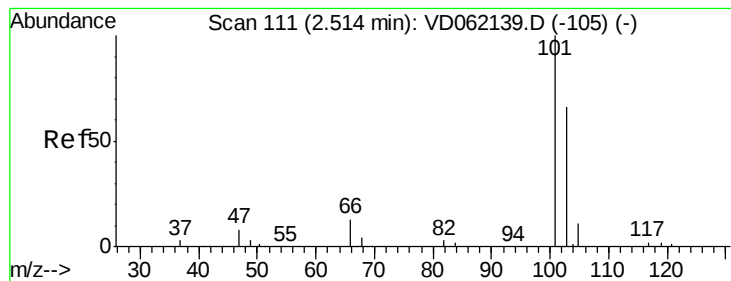
66 28.6 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



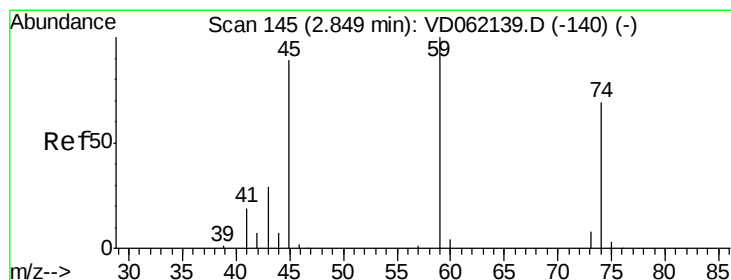
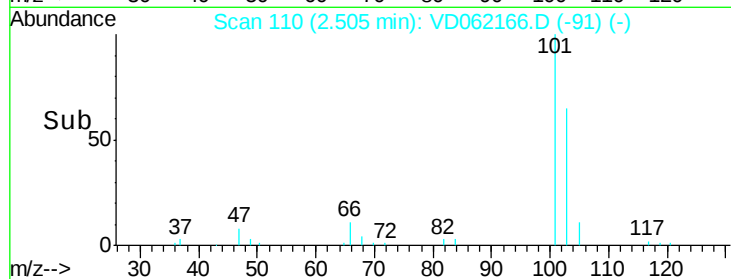
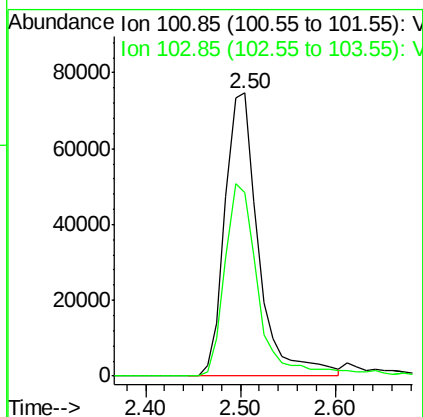
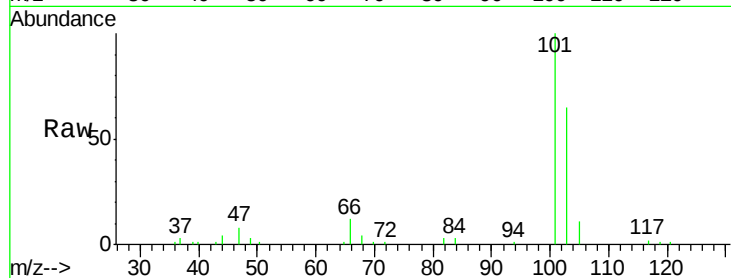


#7

Trichlorofluoromethane
Concen: 17.642 ug/l
RT: 2.50 min Scan# 110
Delta R.T. -0.01 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Instrument :
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VD0508SBS01

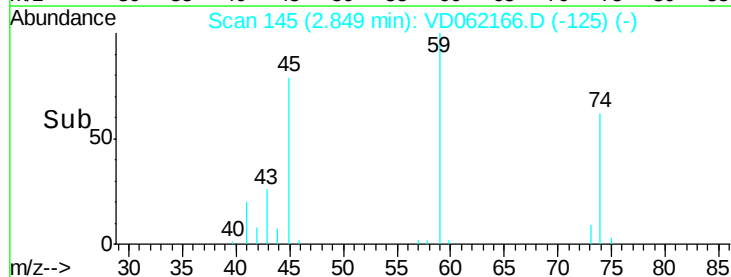
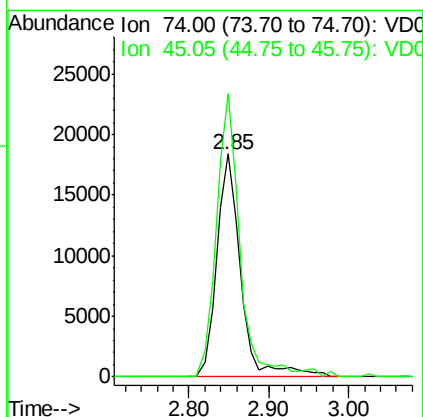
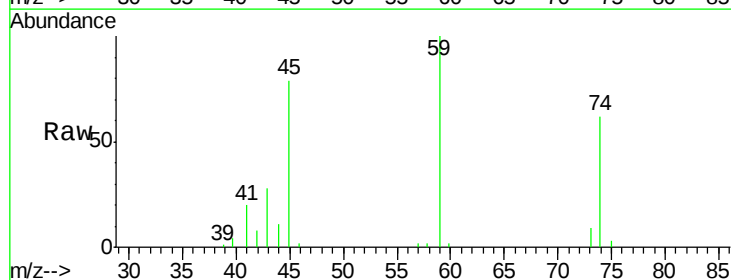
Tot Ion:101 Resp: 183883
Ion Ratio Lower Upper
101 100
103 65.1 53.6 80.4

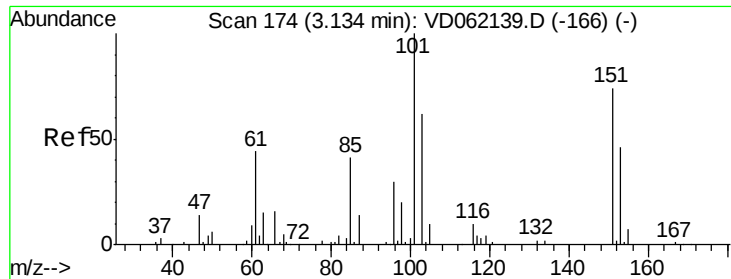


#8

Diethyl Ether
Concen: 19.302 ug/l
RT: 2.85 min Scan# 145
Delta R.T. 0.00 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Tgt Ion: 74 Resp: 38800
Ion Ratio Lower Upper
74 100
45 127.1 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.364 ug/l

RT: 3.11 min Scan# 172

Delta R.T. -0.02 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD0508SBS01

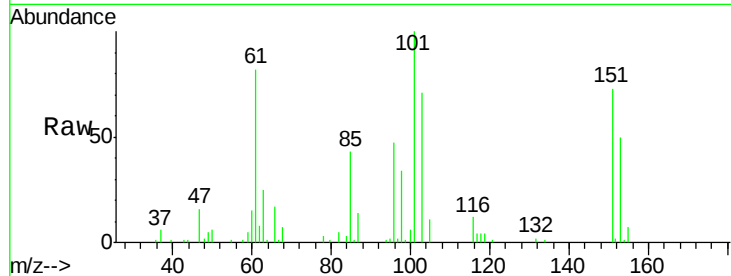
Tot Ion:101 Resp: 152681

Ion Ratio Lower Upper

101 100

85 43.4 32.4 48.6

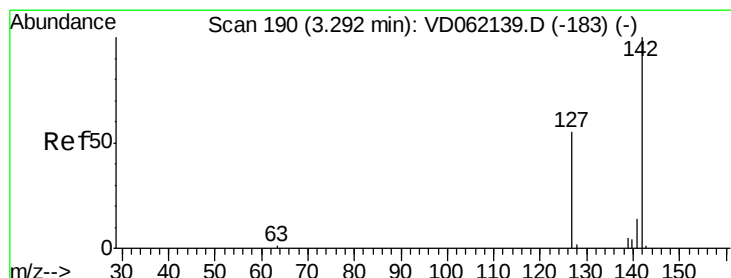
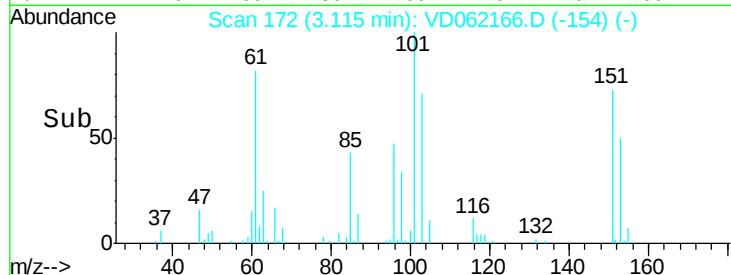
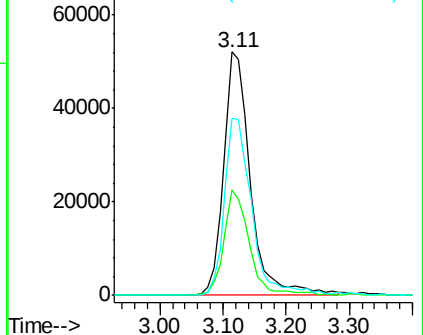
151 72.9 59.4 89.0



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: 15.019 ug/l

RT: 3.28 min Scan# 189

Delta R.T. -0.01 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

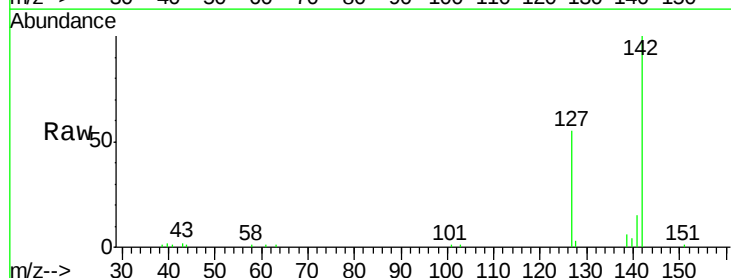
Tgt Ion:142 Resp: 178983

Ion Ratio Lower Upper

142 100

127 55.2 38.8 58.2

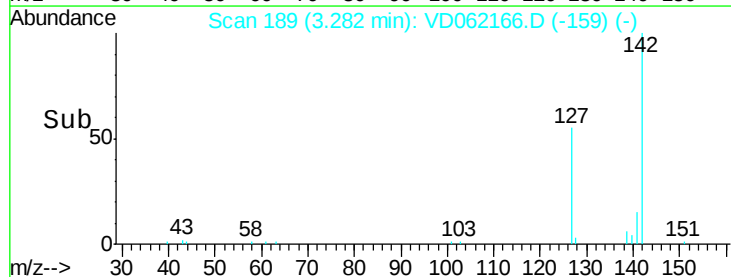
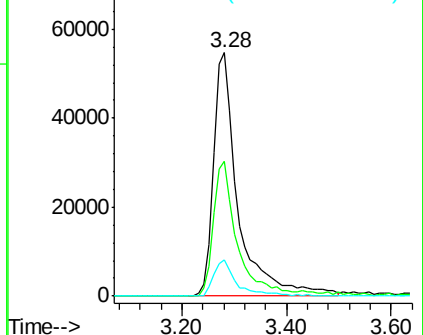
141 14.9 11.4 17.0

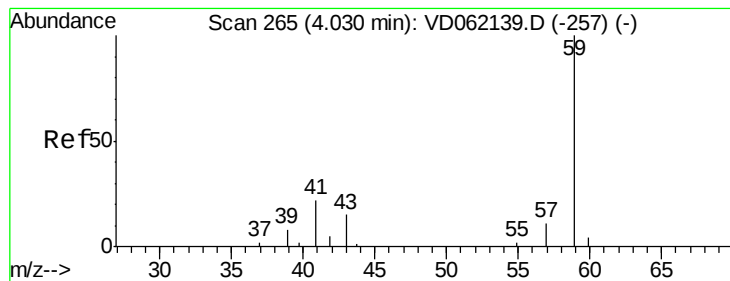


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



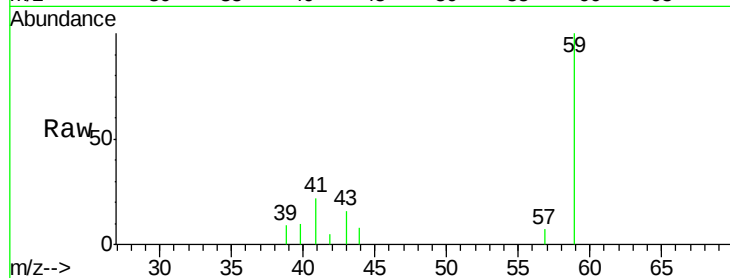


#11

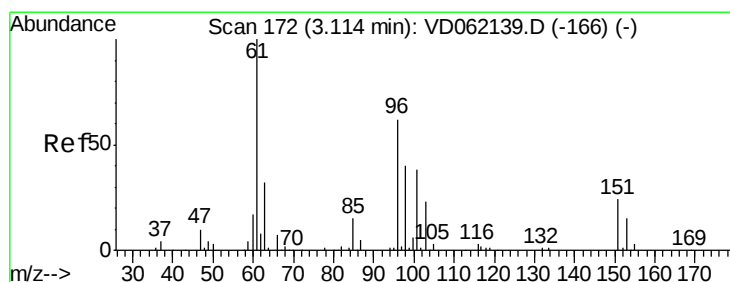
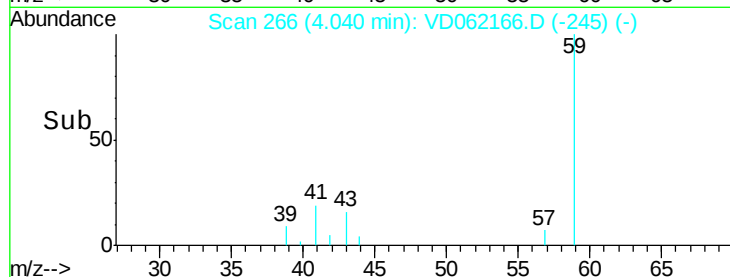
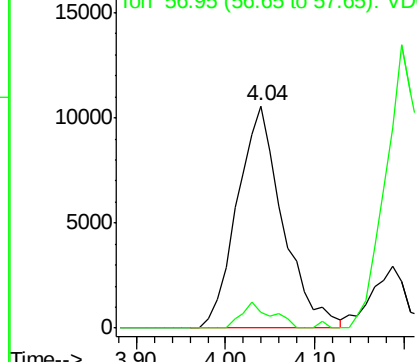
Tert butyl alcohol
 Concen: 99.906 ug/l
 RT: 4.04 min Scan# 266
 Delta R.T. 0.01 min
 Lab File: VD062166.D
 Acq: 8 May 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0508SBS01

Tot Ion: 59 Resp: 37410
 Ion Ratio Lower Upper
 59 100
 57 7.0 6.9 10.3



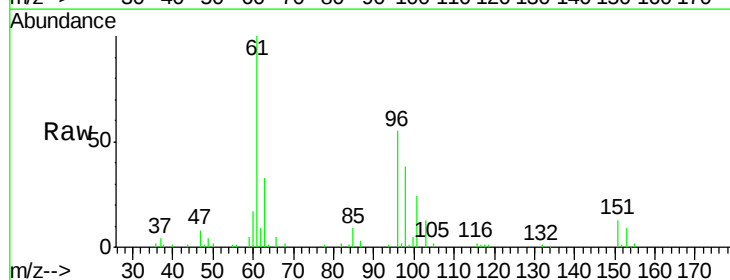
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



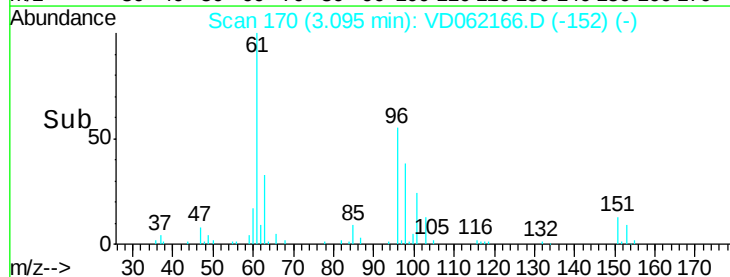
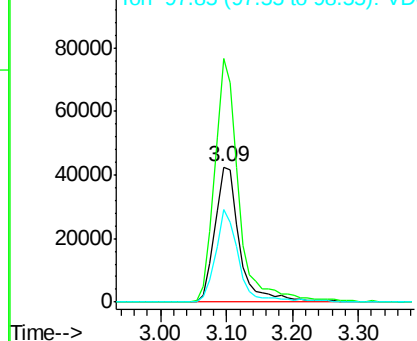
#12

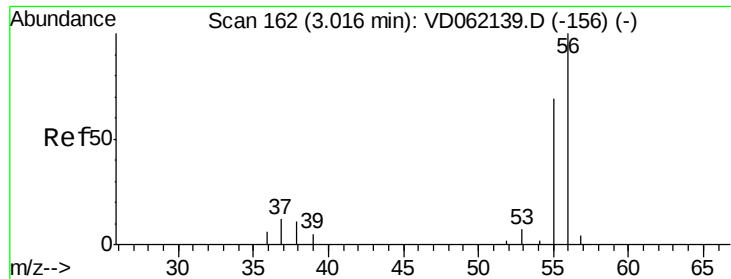
1,1-Dichloroethene
 Concen: 18.355 ug/l
 RT: 3.09 min Scan# 170
 Delta R.T. -0.02 min
 Lab File: VD062166.D
 Acq: 8 May 2019 11:35

Tgt Ion: 96 Resp: 110474
 Ion Ratio Lower Upper
 96 100
 61 180.4 129.8 194.8
 98 68.5 51.2 76.8



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





#13

Acrolein

Concen: 86.107 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.01 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

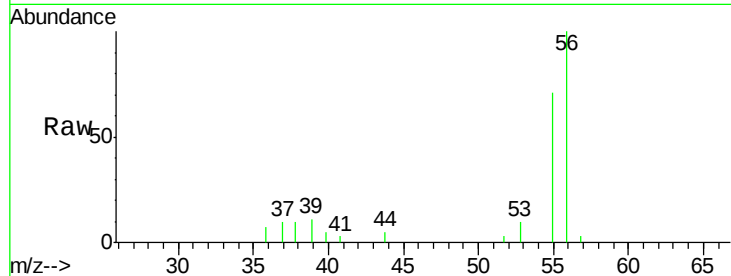
VD0508SBS01

Tot Ion: 56 Resp: 33349

Ion Ratio Lower Upper

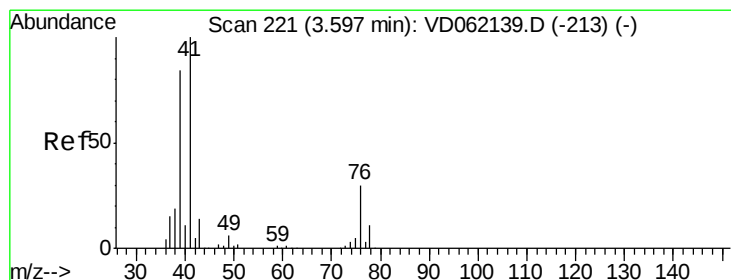
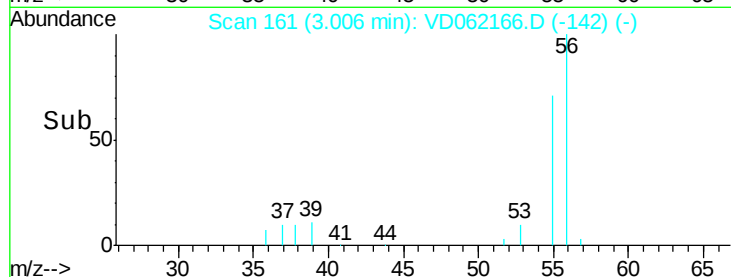
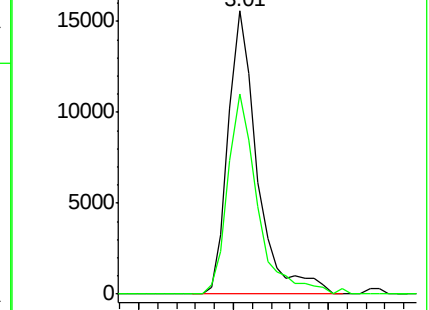
56 100

55 70.8 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: 19.359 ug/l

RT: 3.59 min Scan# 220

Delta R.T. -0.01 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

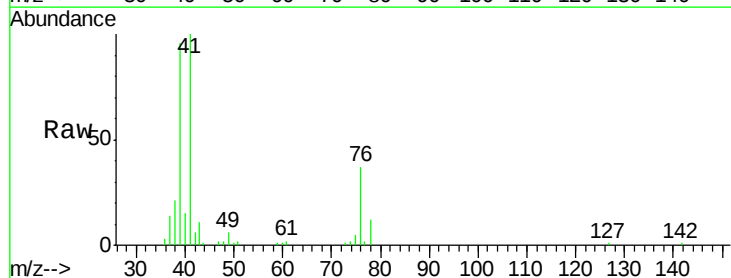
Tgt Ion: 41 Resp: 169417

Ion Ratio Lower Upper

41 100

39 95.8 60.5 90.7#

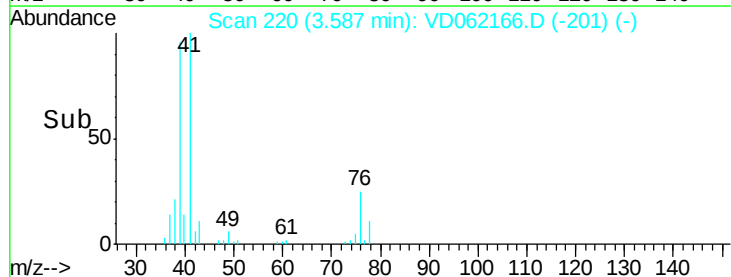
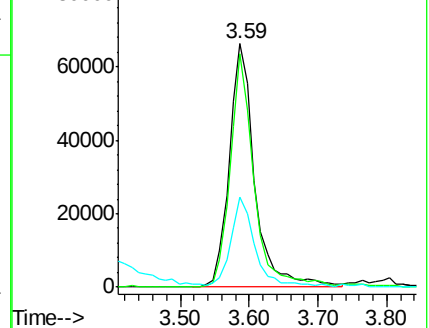
76 37.2 31.8 47.8

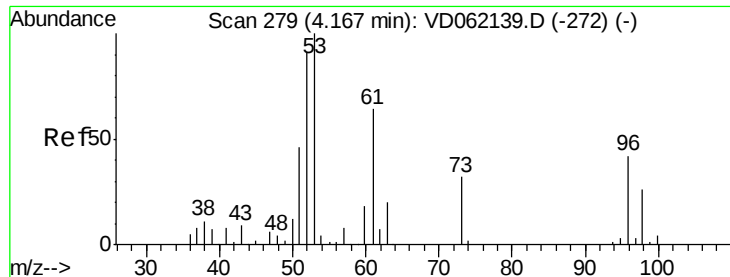


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 90.374 ug/l

RT: 4.16 min Scan# 278

Delta R.T. -0.01 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD0508SBS01

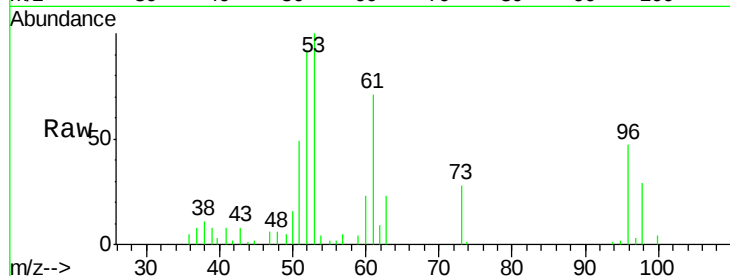
Tot Ion: 53 Resp: 88948

Ion Ratio Lower Upper

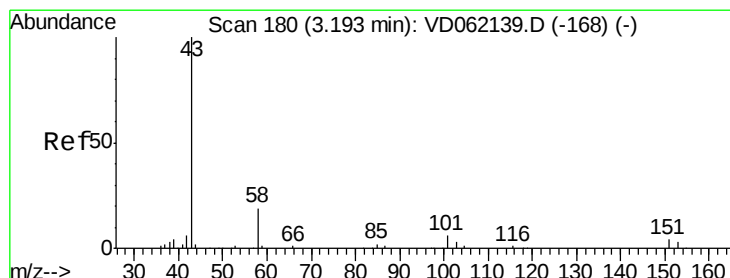
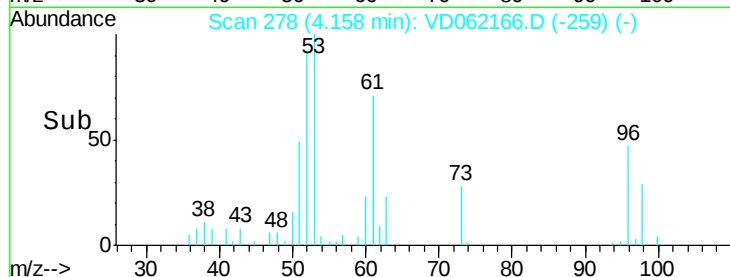
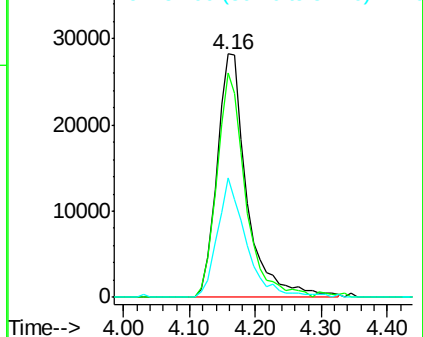
53 100

52 92.1 65.0 97.4

51 49.0 32.6 48.8#



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 100.141 ug/l

RT: 3.19 min Scan# 180

Delta R.T. 0.00 min

Lab File: VD062166.D

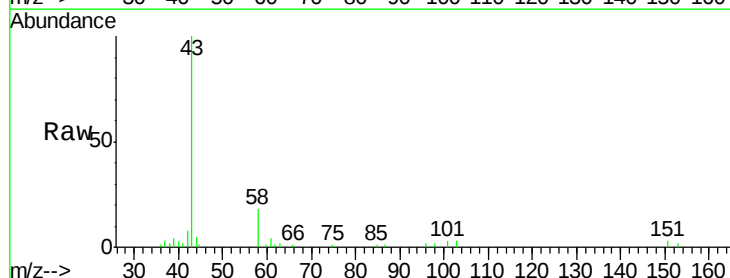
Acq: 8 May 2019 11:35

Tgt Ion: 43 Resp: 154055

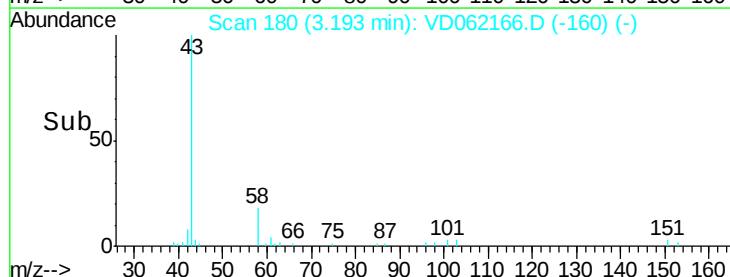
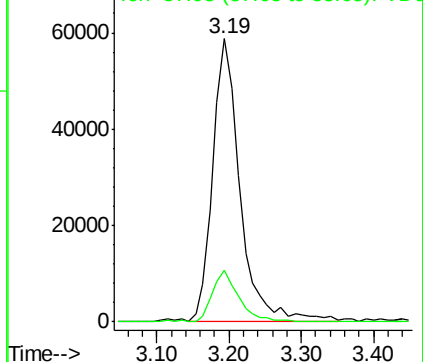
Ion Ratio Lower Upper

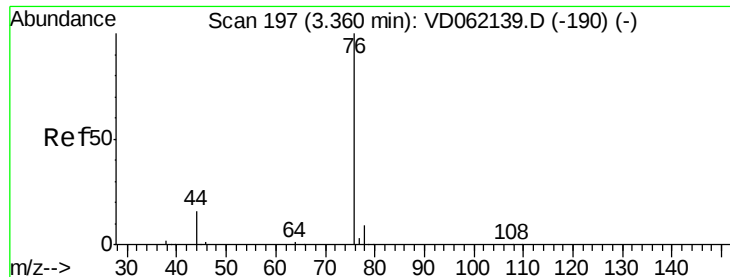
43 100

58 18.2 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

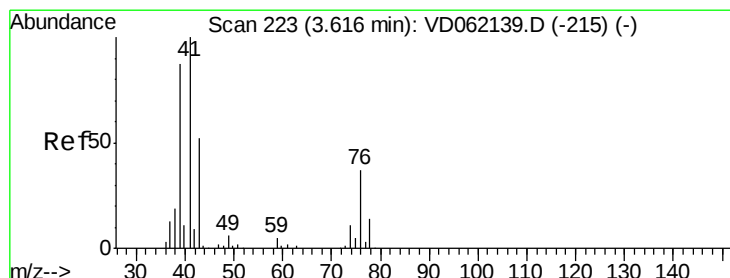
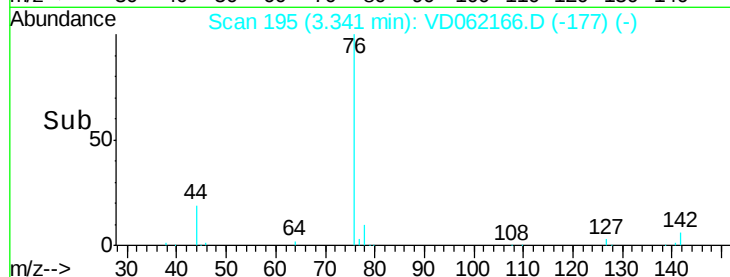
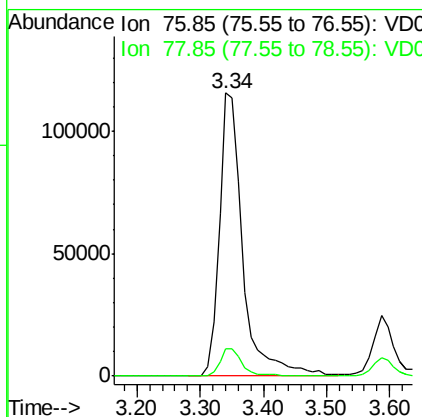
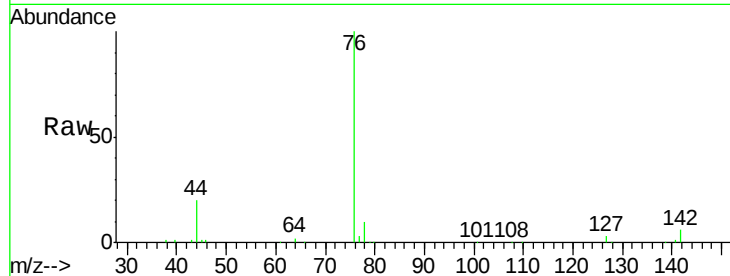




#17
Carbon Disulfide
Concen: 17.392 ug/l
RT: 3.34 min Scan# 195
Delta R.T. -0.02 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

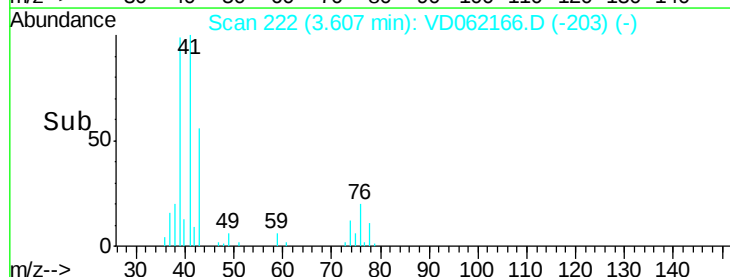
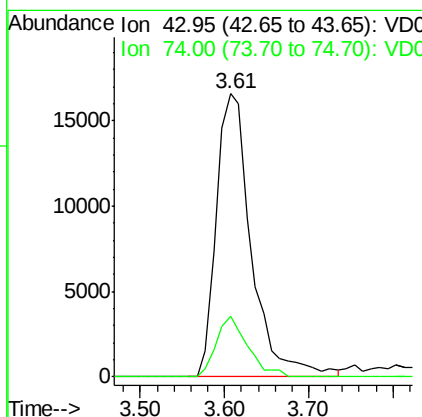
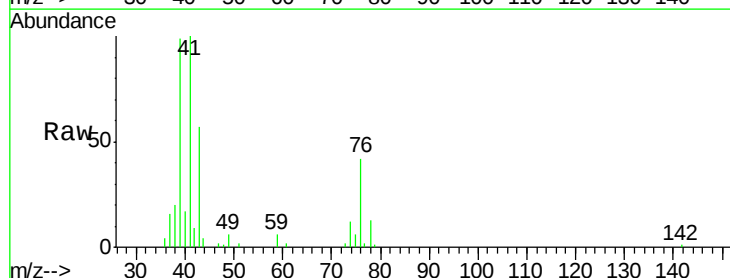
Instrument :
MSVOA_D
ClientSampleId :
VD0508SBS01

Tot Ion: 76 Resp: 301128
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8



#18
Methyl Acetate
Concen: 17.216 ug/l
RT: 3.61 min Scan# 222
Delta R.T. -0.01 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Tgt Ion: 43 Resp: 47915
Ion Ratio Lower Upper
43 100
74 21.6 18.0 27.0

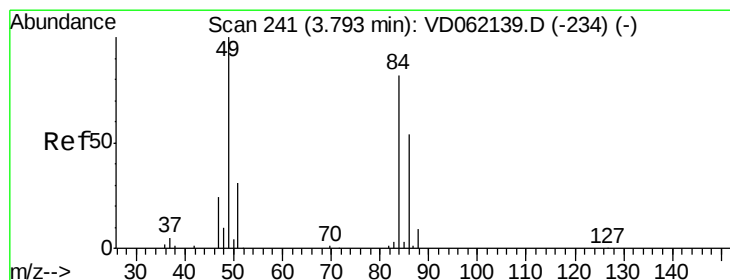
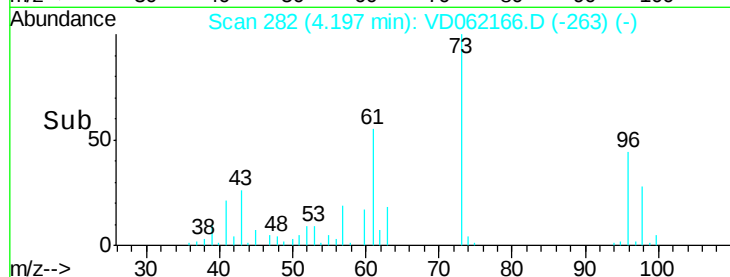
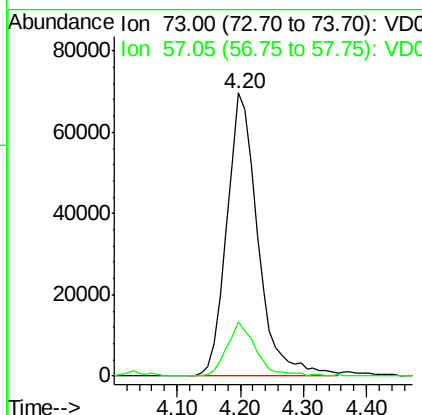
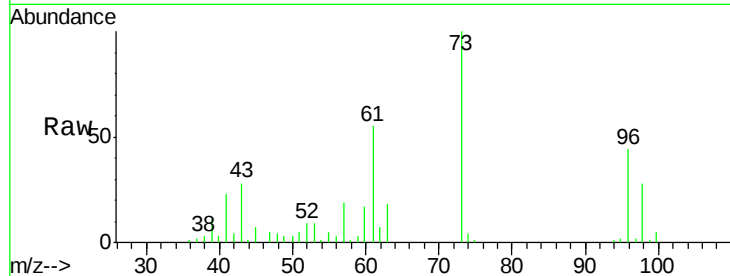




#19
Methyl tert-butyl Ether
Concen: 18.387 ug/l
RT: 4.20 min Scan# 282
Delta R.T. -0.01 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

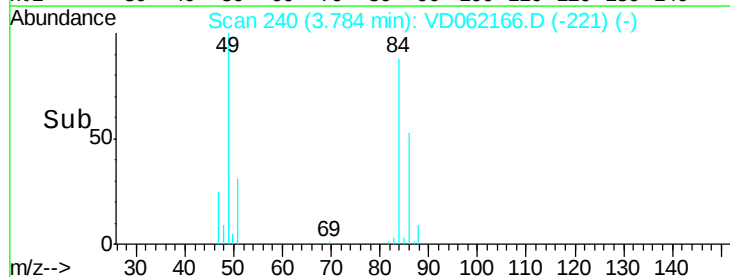
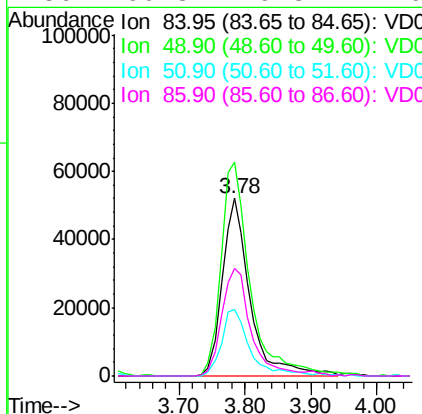
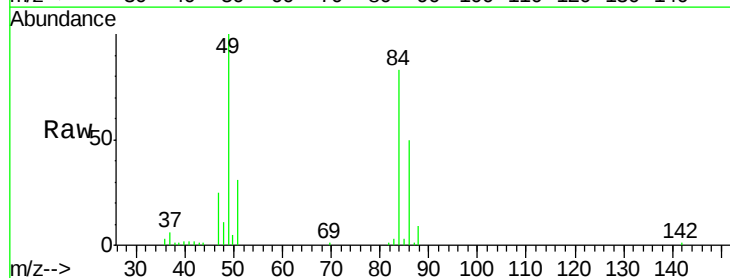
Instrument :
MSVOA_D
ClientSampleId :
VD0508SBS01

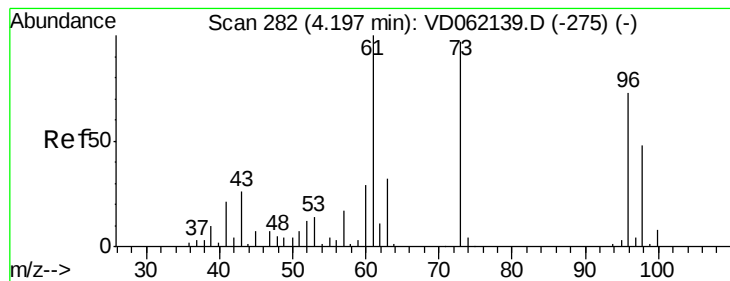
Tot Ion: 73 Resp: 237213
Ion Ratio Lower Upper
73 100
57 19.3 16.3 24.5



#20
Methylene Chloride
Concen: 23.719 ug/l
RT: 3.78 min Scan# 240
Delta R.T. -0.01 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Tgt Ion: 84 Resp: 152357
Ion Ratio Lower Upper
84 100
49 120.2 94.0 141.0
51 37.7 29.0 43.4
86 60.3 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 17.646 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD0508SBS01

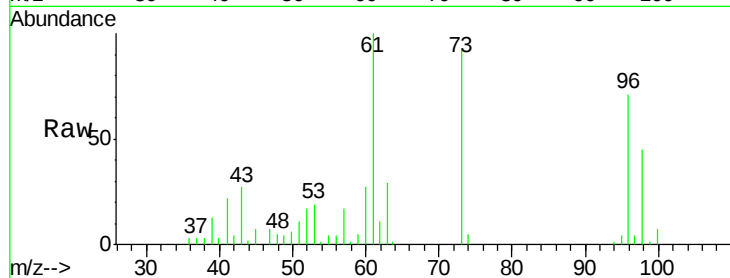
Tot Ion: 96 Resp: 118189

Ion Ratio Lower Upper

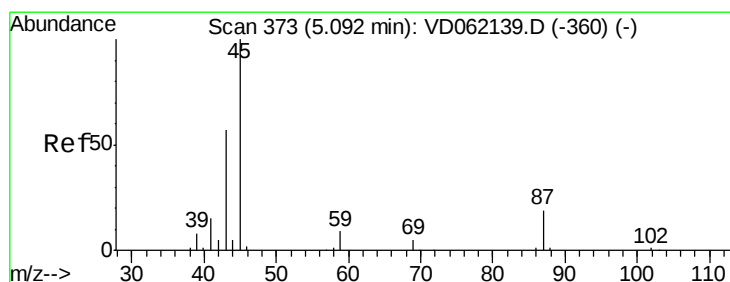
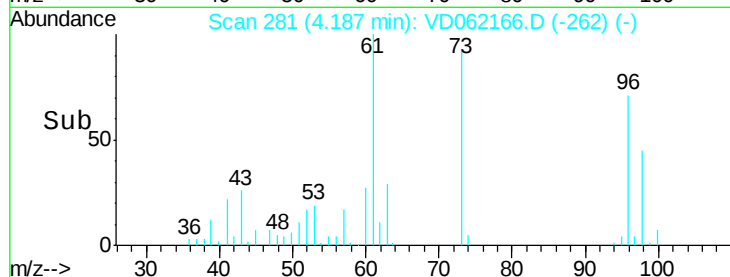
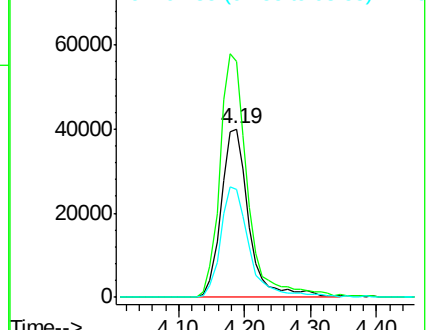
96 100

61 140.3 104.4 156.6

98 63.8 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: 20.206 ug/l

RT: 5.07 min Scan# 371

Delta R.T. -0.02 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

Tgt Ion: 45 Resp: 376285

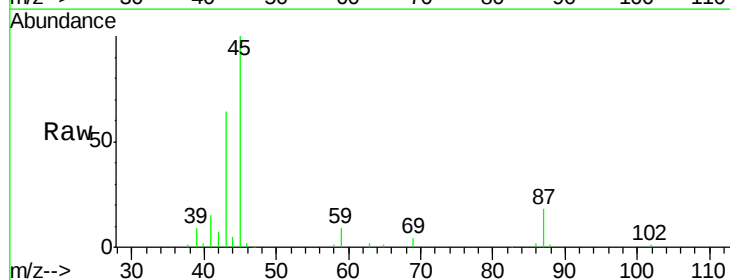
Ion Ratio Lower Upper

45 100

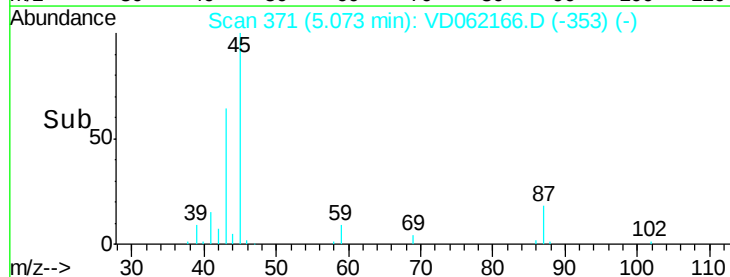
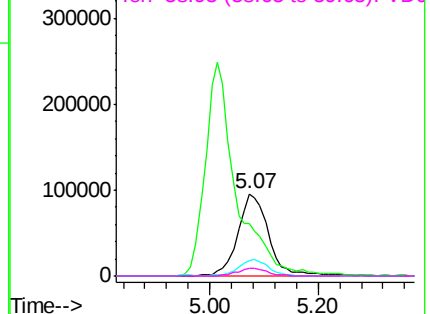
43 63.8 46.2 69.2

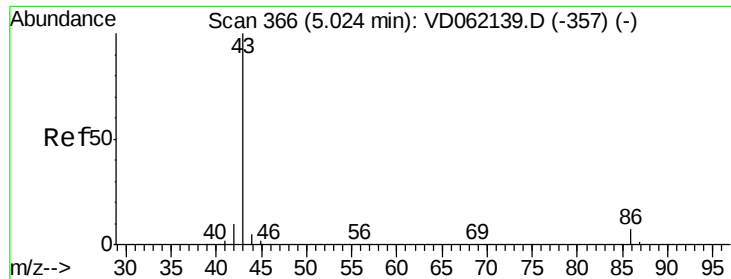
87 18.1 15.9 23.9

59 9.3 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: 99.734 ug/l

RT: 5.01 min Scan# 365

Delta R.T. -0.01 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

Instrument :

MSVOA_D

ClientSampleID :

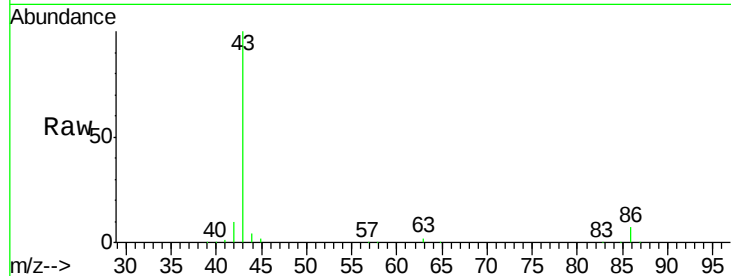
VD0508SBS01

Tot Ion: 43 Resp: 979939

Ion Ratio Lower Upper

43 100

86 6.7 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.01

250000

200000

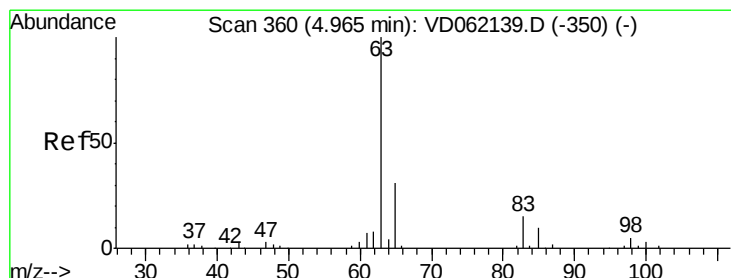
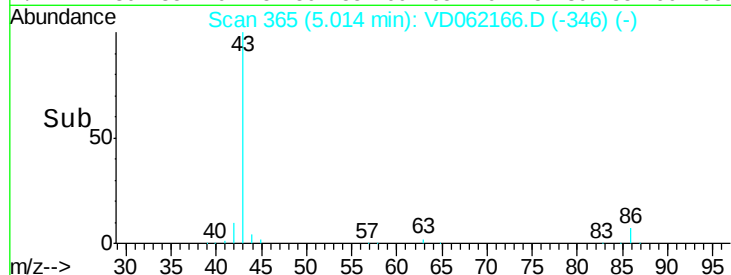
150000

100000

50000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 19.307 ug/l

RT: 4.95 min Scan# 358

Delta R.T. -0.02 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

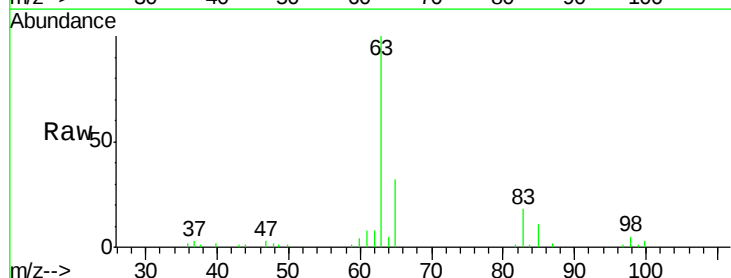
Tgt Ion: 63 Resp: 216904

Ion Ratio Lower Upper

63 100

98 4.9 2.8 8.4

100 2.8 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

4.95

80000

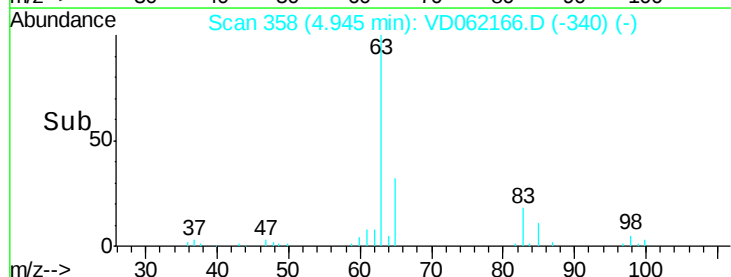
60000

40000

20000

0

Time--> 4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 100.187 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

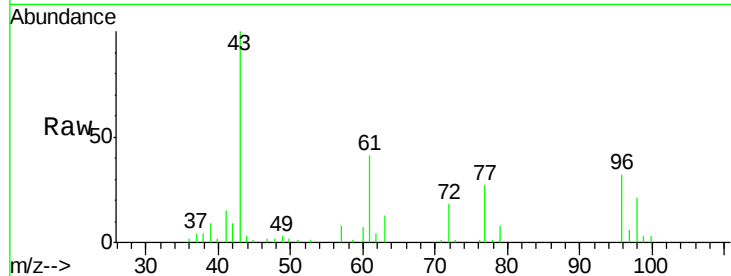
VD0508SBS01

Tot Ion: 43 Resp: 168115

Ion Ratio Lower Upper

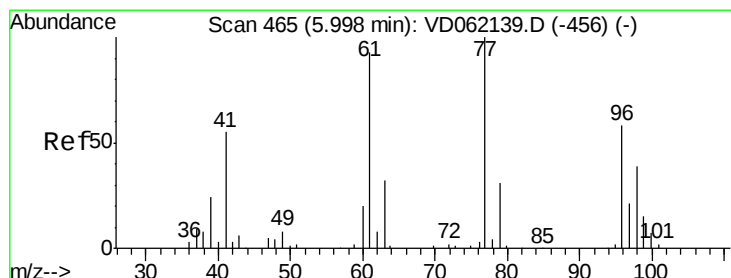
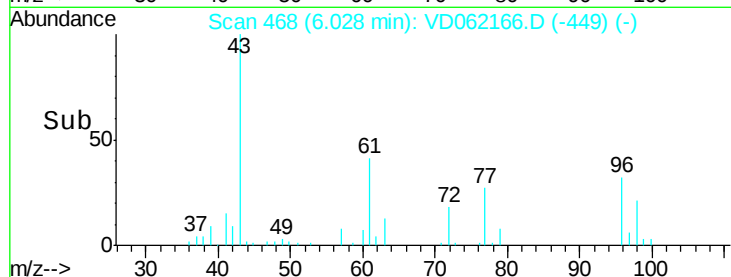
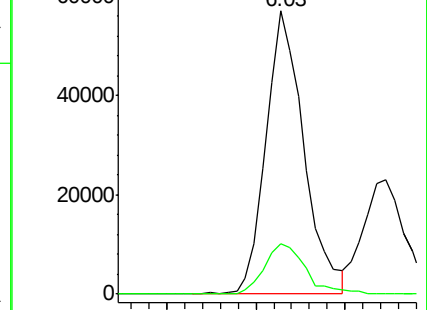
43 100

72 17.9 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: 20.394 ug/l

RT: 5.99 min Scan# 464

Delta R.T. -0.01 min

Lab File: VD062166.D

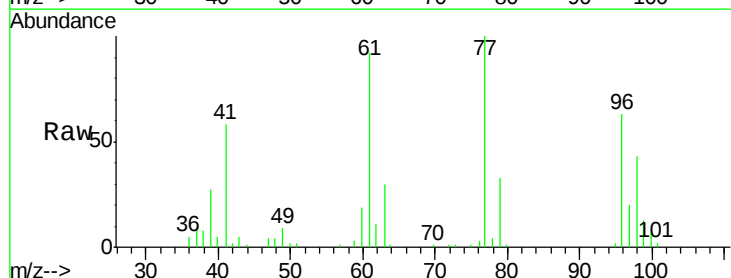
Acq: 8 May 2019 11:35

Tgt Ion: 77 Resp: 228223

Ion Ratio Lower Upper

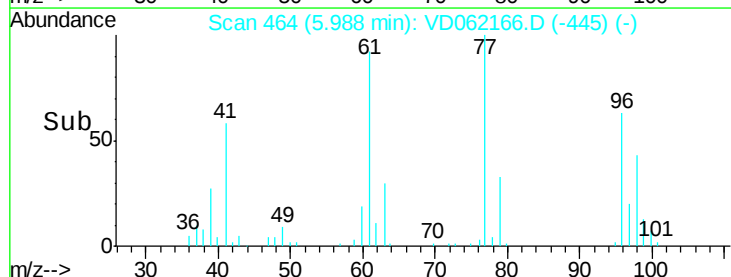
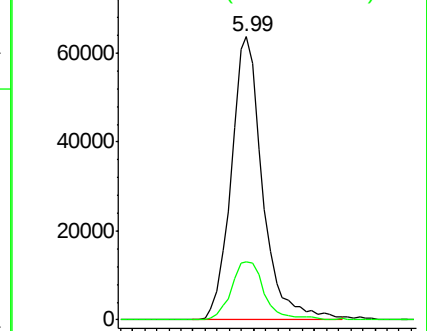
77 100

97 20.4 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



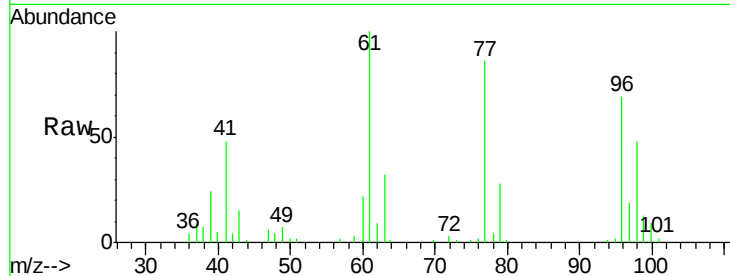


#27

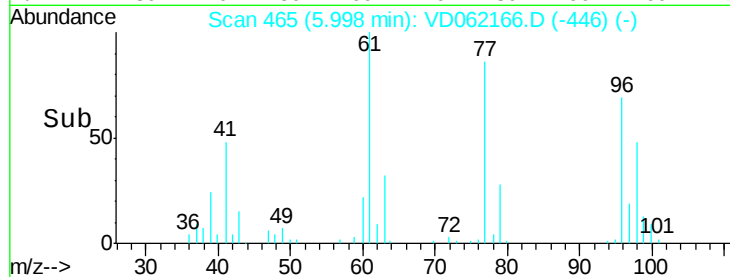
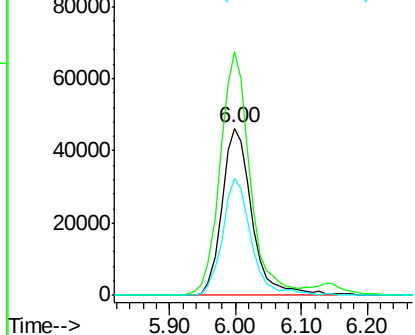
cis-1,2-Dichloroethene
Concen: 19.515 ug/l
RT: 6.00 min Scan# 465
Delta R.T. -0.01 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0508SBS01

Tot Ion: 96 Resp: 146301
Ion Ratio Lower Upper
96 100
61 145.5 0.0 279.8
98 70.0 0.0 136.0



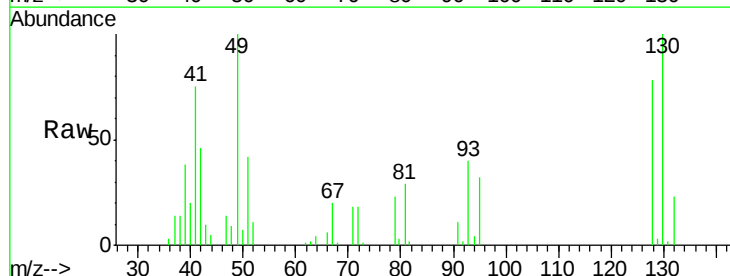
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



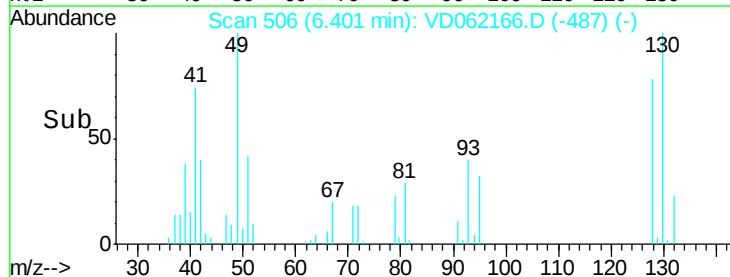
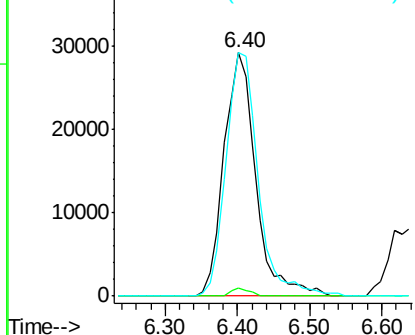
#28

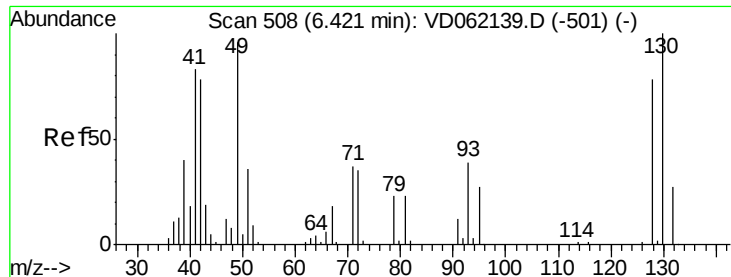
Bromochloromethane
Concen: 20.202 ug/l
RT: 6.40 min Scan# 506
Delta R.T. -0.01 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Tgt Ion: 49 Resp: 89291
Ion Ratio Lower Upper
49 100
129 3.2 0.0 6.6
130 100.0 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

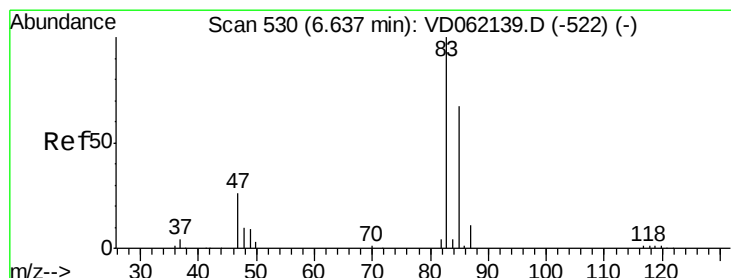
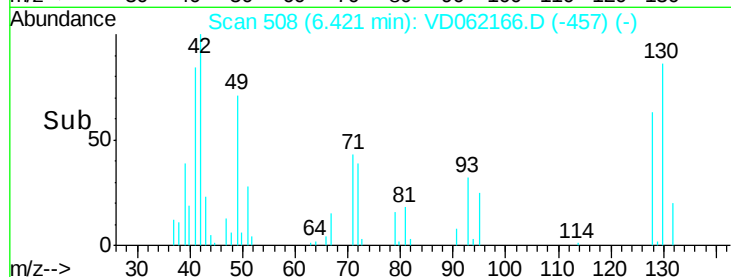
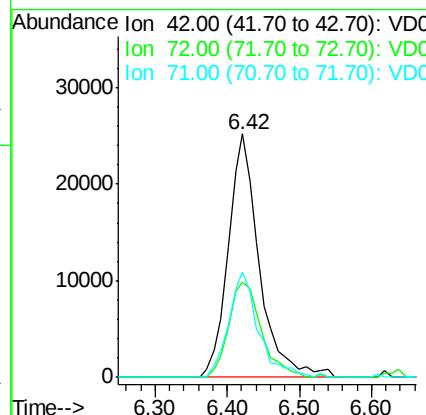
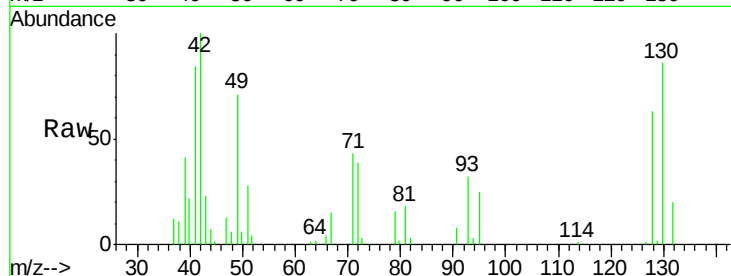




#29
Tetrahydrofuran
Concen: 96.733 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

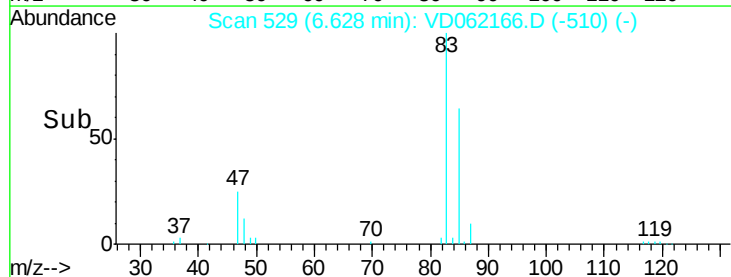
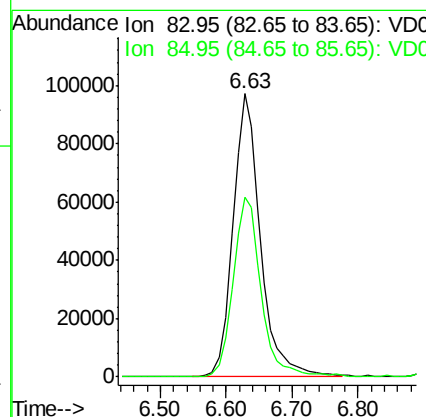
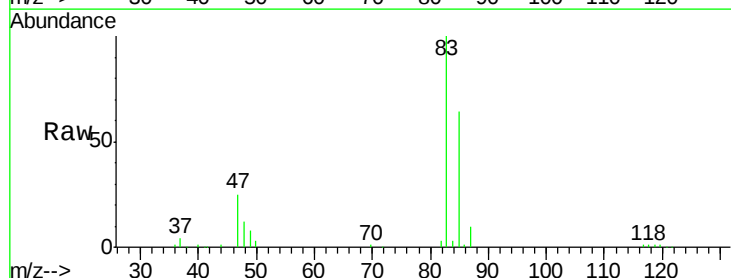
Instrument :
MSVOA_D
ClientSampleId :
VD0508SBS01

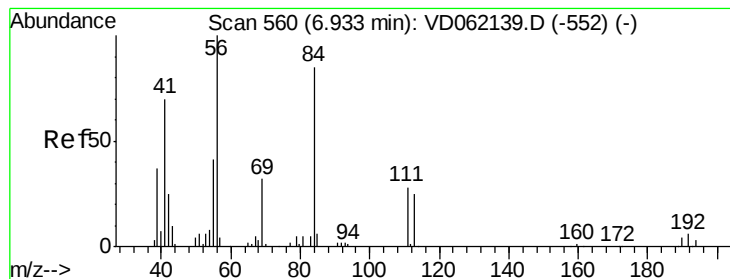
Tot Ion: 42 Resp: 74790
Ion Ratio Lower Upper
42 100
72 41.4 37.8 56.6
71 41.3 36.7 55.1



#30
Chloroform
Concen: 20.904 ug/l
RT: 6.63 min Scan# 529
Delta R.T. -0.01 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Tgt Ion: 83 Resp: 283026
Ion Ratio Lower Upper
83 100
85 63.5 51.7 77.5





#31

Cvclohexane

Concen: 20.224 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD0508SBS01

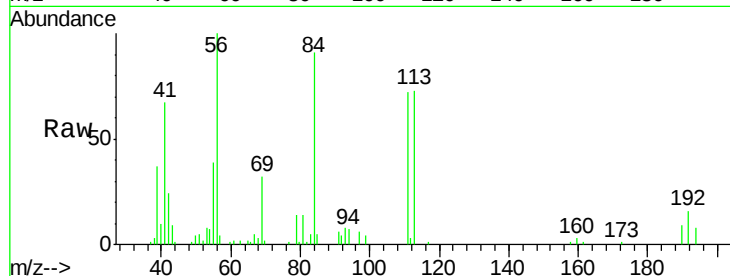
Tot Ion: 56 Resp: 155655

Ion Ratio Lower Upper

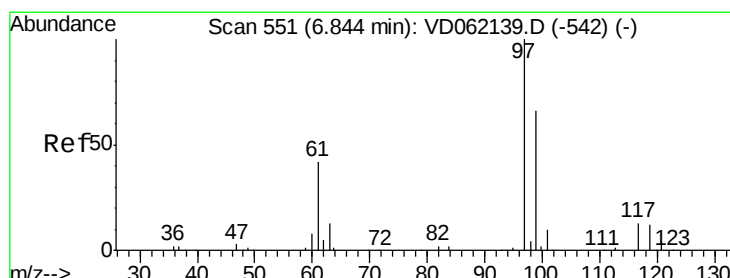
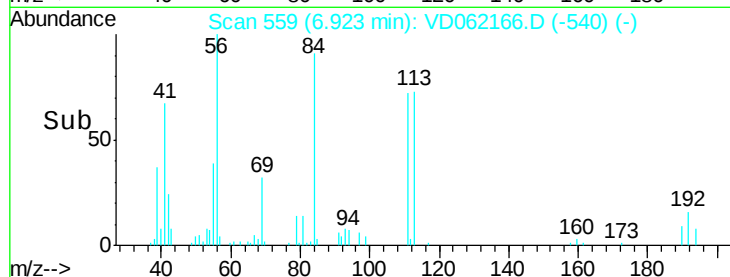
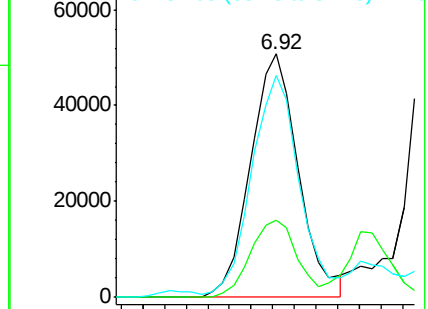
56 100

69 32.0 25.8 38.6

84 91.1 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: 20.041 ug/l

RT: 6.83 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

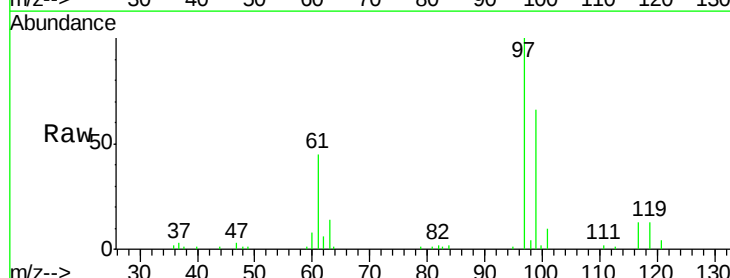
Tgt Ion: 97 Resp: 256475

Ion Ratio Lower Upper

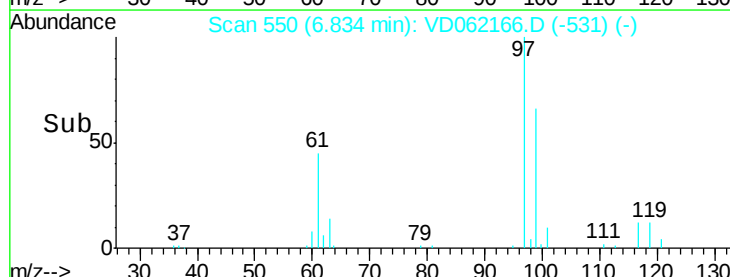
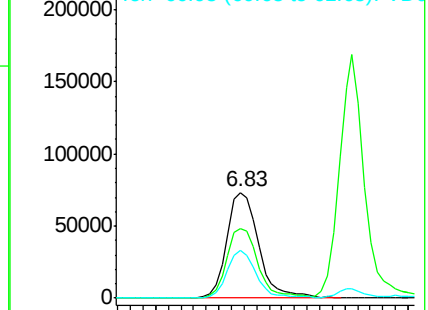
97 100

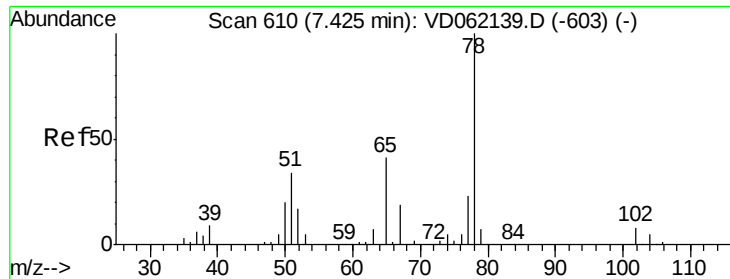
99 65.8 52.2 78.2

61 45.0 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

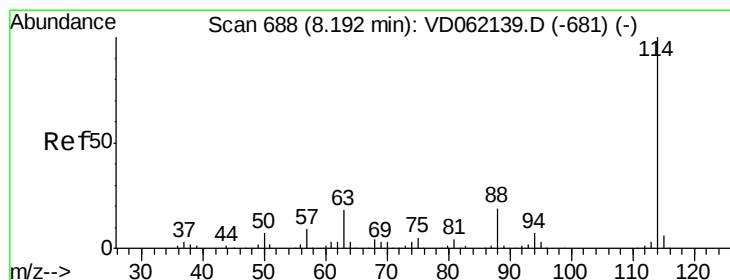
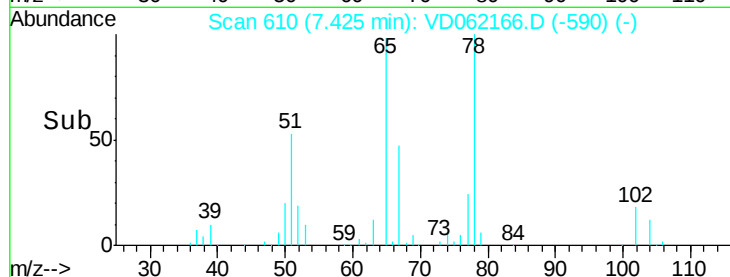
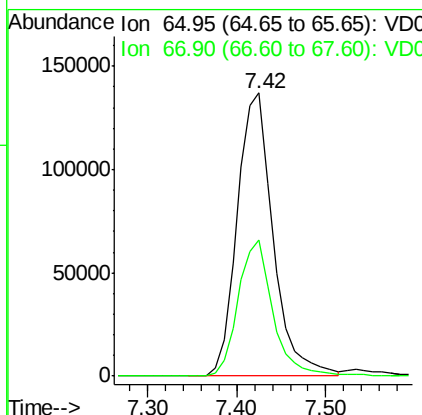
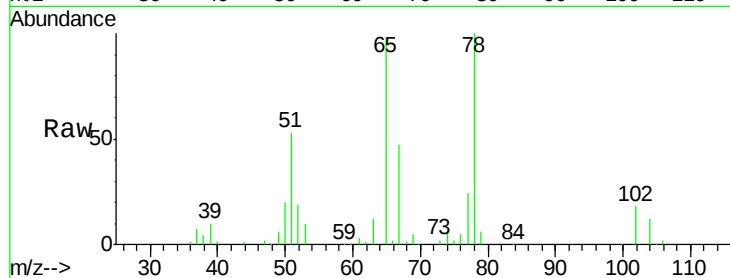




#33
 1,2-Dichloroethane-d4
 Concen: 52.248 ug/l
 RT: 7.42 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VD062166.D
 Acq: 8 May 2019 11:35

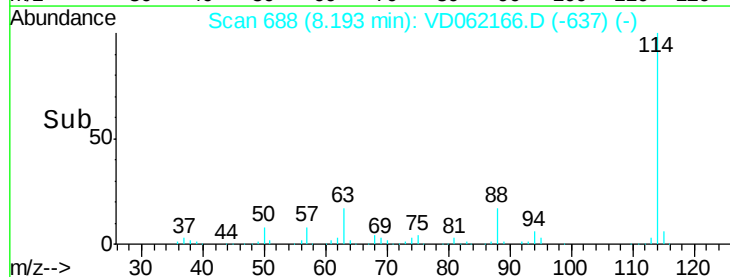
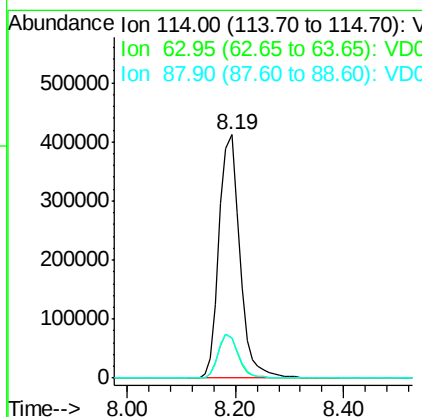
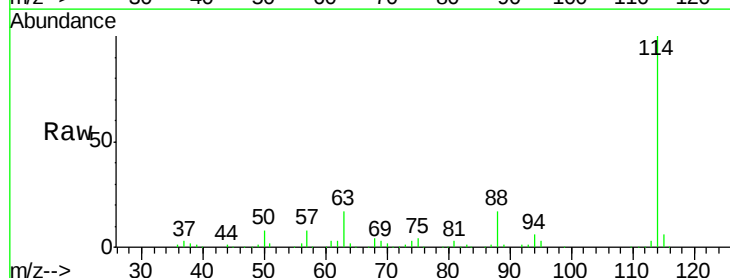
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0508SBS01

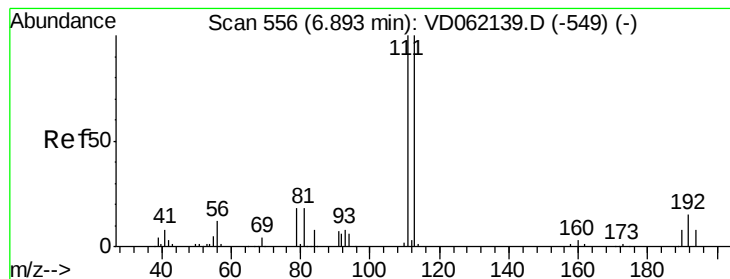
Tot Ion: 65 Resp: 383279
 Ion Ratio Lower Upper
 65 100
 67 48.2 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: VD062166.D
 Acq: 8 May 2019 11:35

Tgt Ion: 114 Resp: 1096709
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 32.4
 88 16.6 0.0 33.6





#35

Dibromofluoromethane

Concen: 52.580 ug/l

RT: 6.89 min Scan# 556

Delta R.T. 0.00 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD0508SBS01

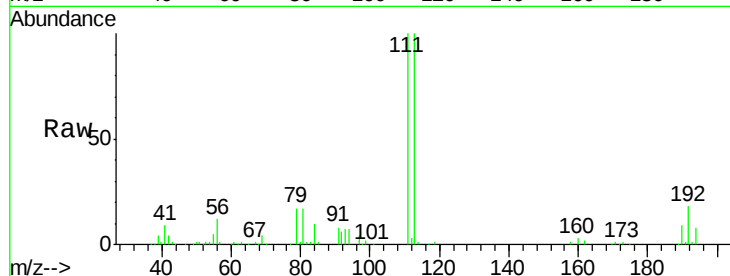
Tot Ion:113 Resp: 478452

Ion Ratio Lower Upper

113 100

111 100.1 78.5 117.7

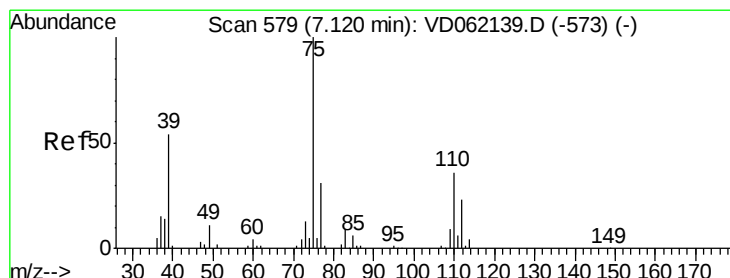
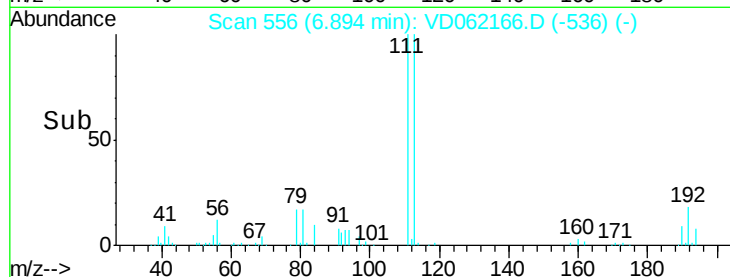
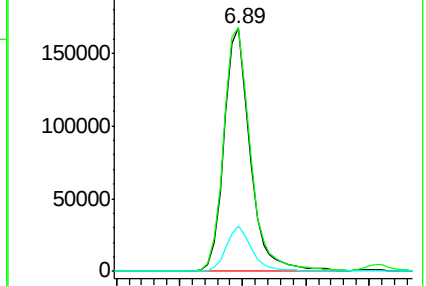
192 18.4 13.0 19.4



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: 20.927 ug/l

RT: 7.11 min Scan# 578

Delta R.T. -0.01 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

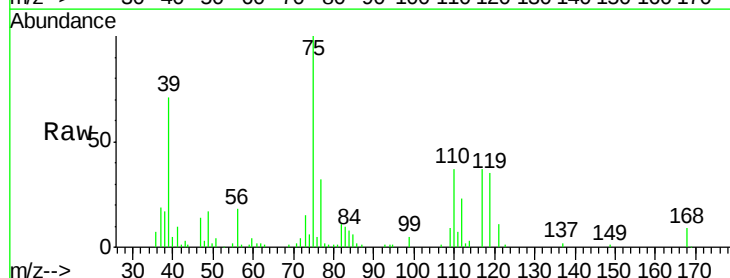
Tgt Ion: 75 Resp: 188177

Ion Ratio Lower Upper

75 100

110 36.7 19.1 57.1

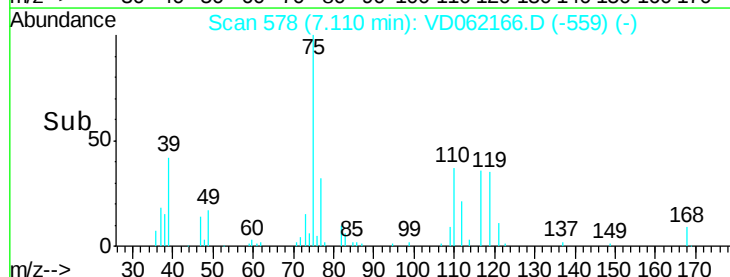
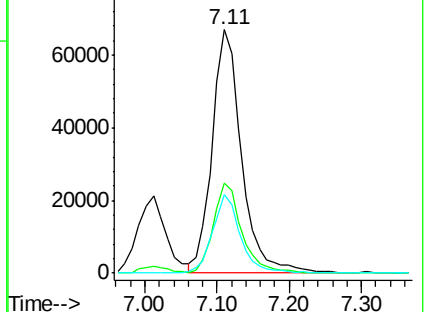
77 32.5 25.6 38.4

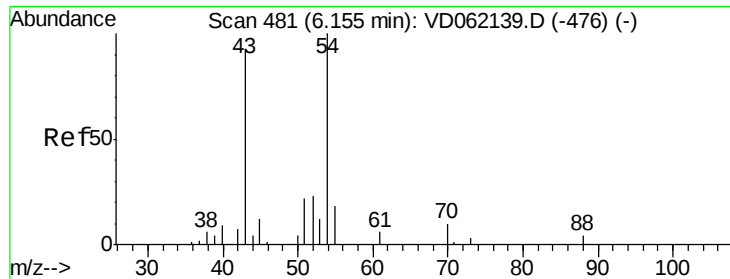


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

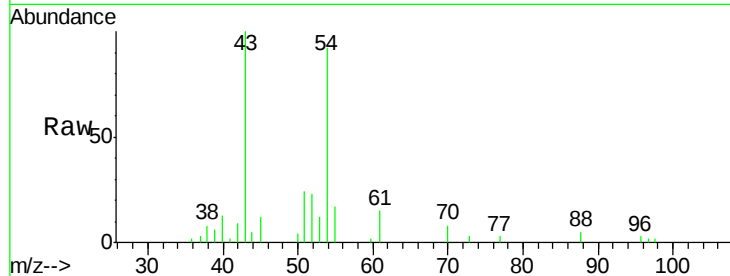




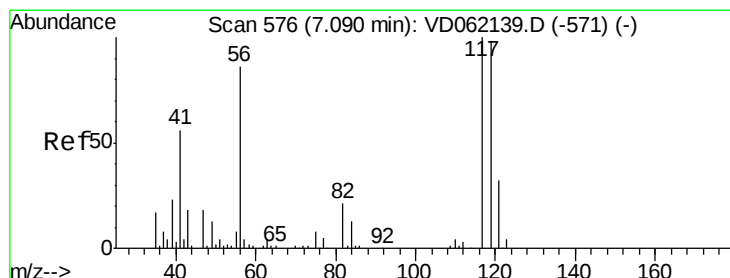
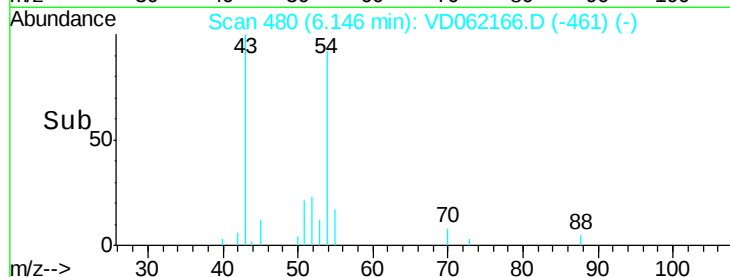
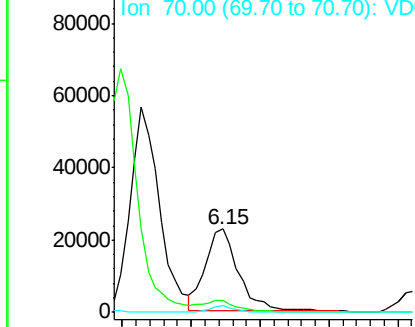
#37
Ethyl Acetate
Concen: 19.918 ug/l
RT: 6.15 min Scan# 480
Delta R.T. -0.01 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0508SBS01

Tot Ion: 43 Resp: 75954
Ion Ratio Lower Upper
43 100
61 15.1 14.7 22.1
70 7.8 7.8 11.6

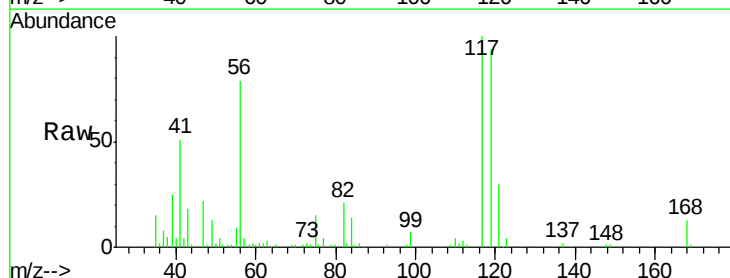


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

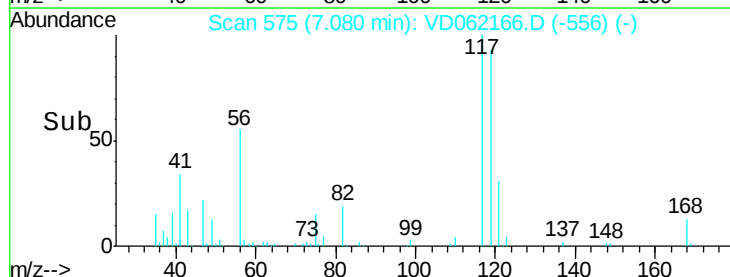
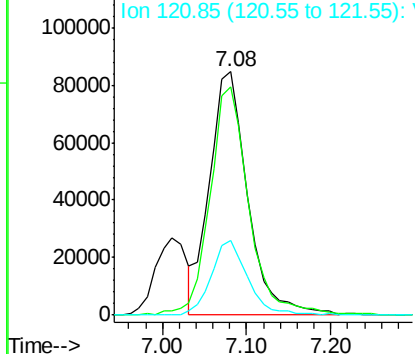


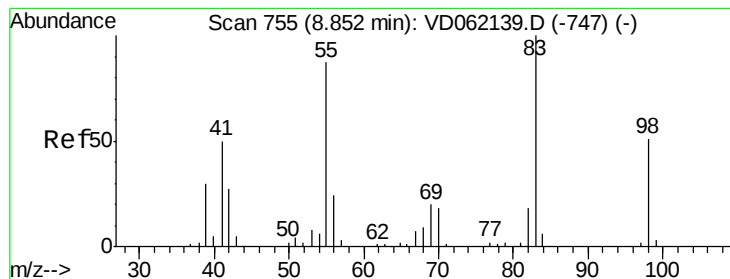
#38
Carbon Tetrachloride
Concen: 21.392 ug/l
RT: 7.08 min Scan# 575
Delta R.T. -0.01 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Tgt Ion: 117 Resp: 266244
Ion Ratio Lower Upper
117 100
119 93.6 75.8 113.8
121 30.4 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: 19.465 ug/l

RT: 8.83 min Scan# 753

Delta R.T. -0.02 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD0508SBS01

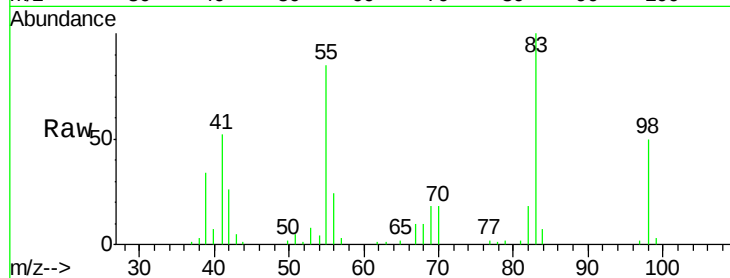
Tot Ion: 83 Resp: 167699

Ion Ratio Lower Upper

83 100

55 84.7 68.2 102.4

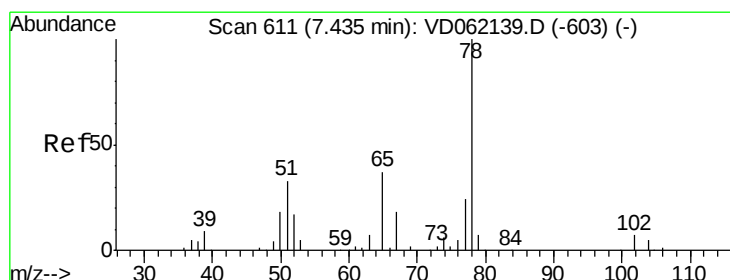
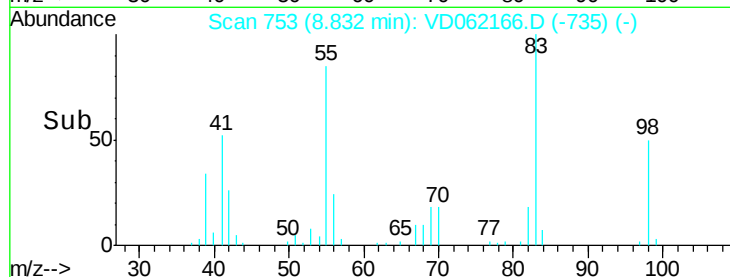
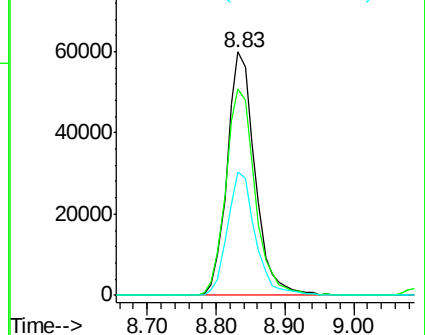
98 50.4 38.2 57.4



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: 19.736 ug/l

RT: 7.42 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD062166.D

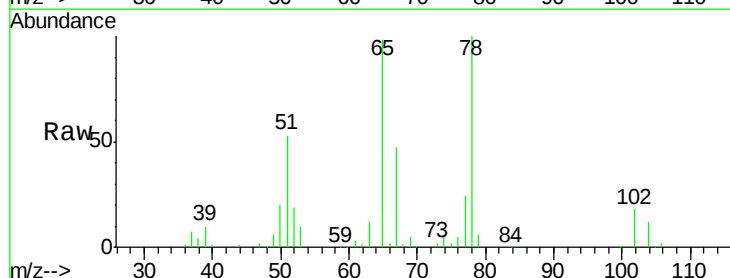
Acq: 8 May 2019 11:35

Tgt Ion: 78 Resp: 400733

Ion Ratio Lower Upper

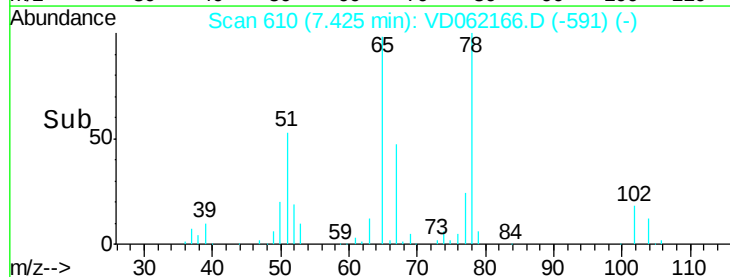
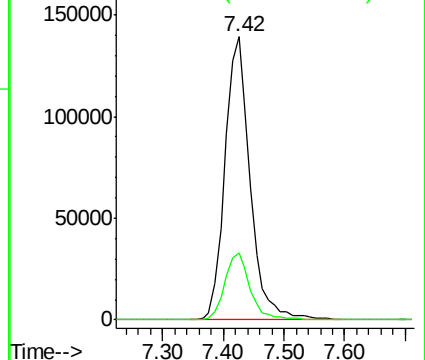
78 100

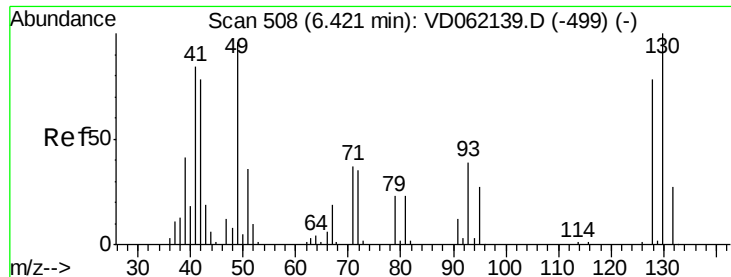
77 23.9 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 19.393 ug/l

RT: 6.41 min Scan# 507

Delta R.T. -0.01 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD0508SBS01

Tot Ion: 41 Resp: 90373

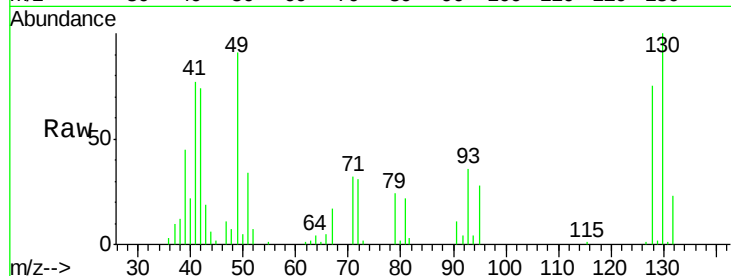
Ion Ratio Lower Upper

41 100

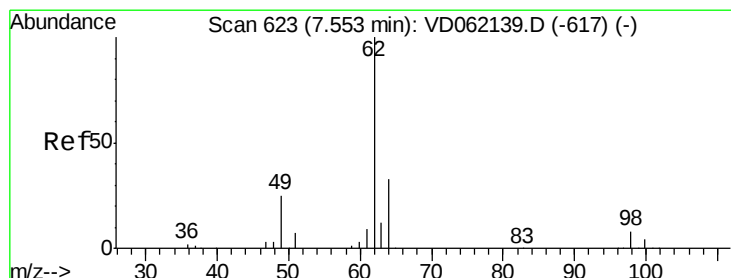
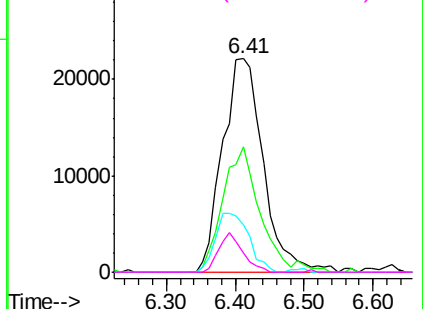
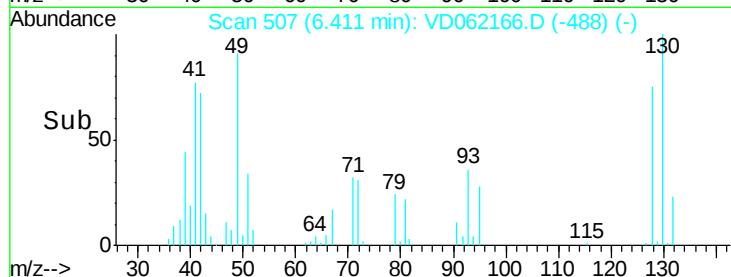
39 59.0 34.1 51.1#

67 21.9 23.8 35.6#

52 8.8 8.8 13.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
 Ion 38.95 (38.65 to 39.65): VDC
 Ion 67.00 (66.70 to 67.70): VDC
 Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.145 ug/l

RT: 7.54 min Scan# 622

Delta R.T. -0.01 min

Lab File: VD062166.D

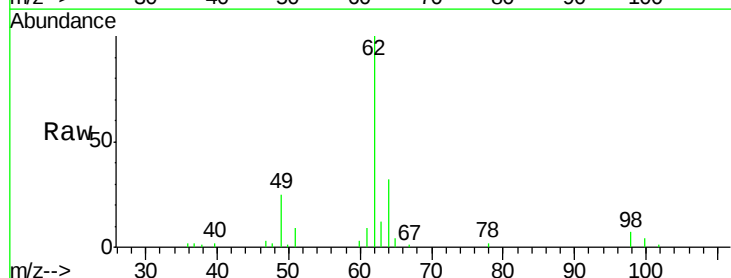
Acq: 8 May 2019 11:35

Tgt Ion: 62 Resp: 173306

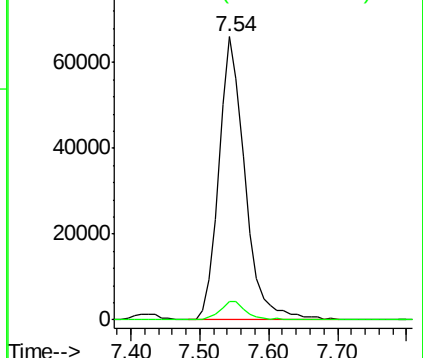
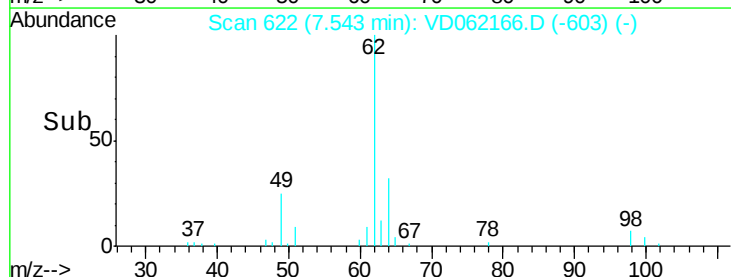
Ion Ratio Lower Upper

62 100

98 6.5 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



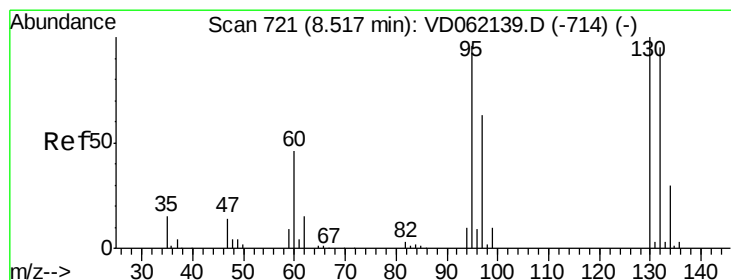
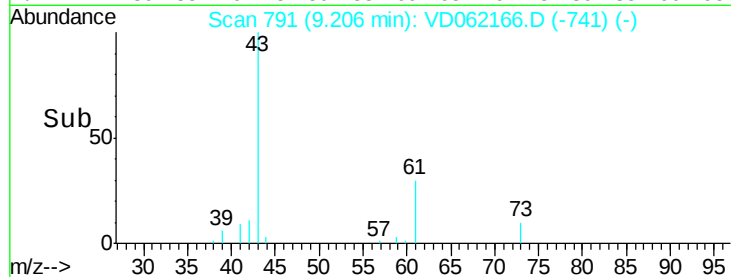
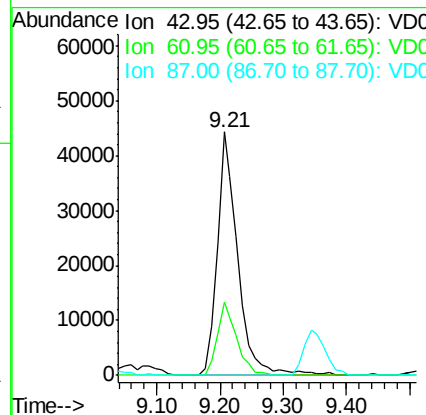
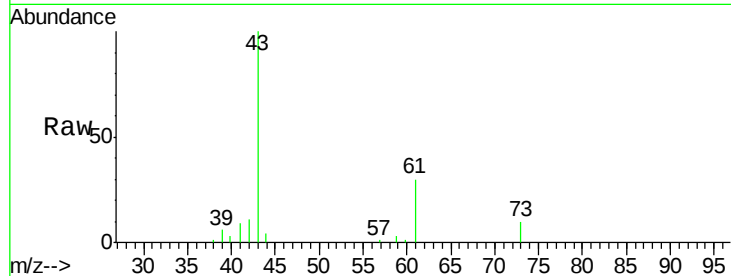


#43

Isopropyl Acetate
 Concen: 18.672 ug/l
 RT: 9.21 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: VD062166.D
 Acq: 8 May 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0508SBS01

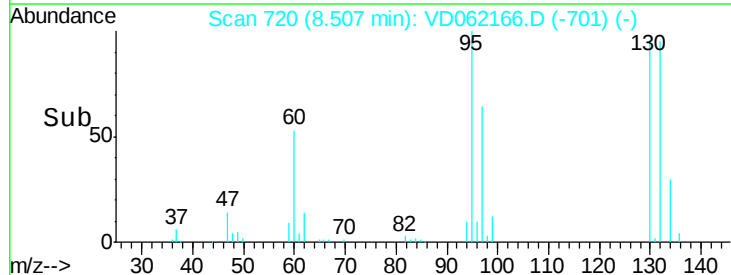
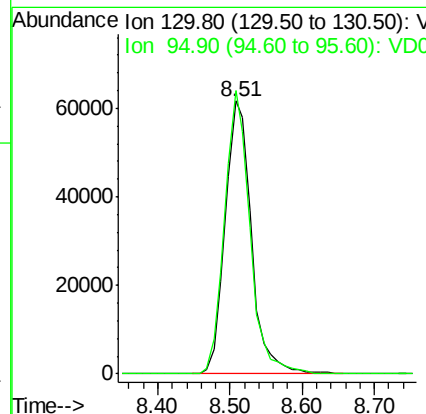
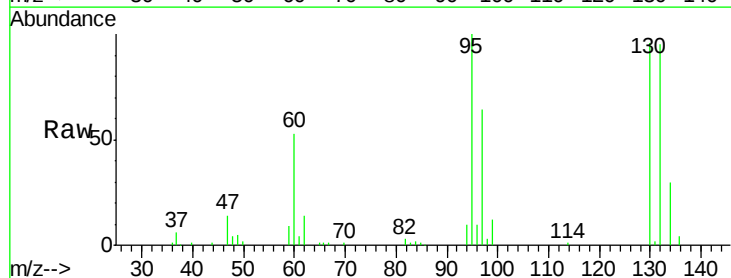
Tot Ion: 43 Resp: 100983
 Ion Ratio Lower Upper
 43 100
 61 30.0 25.1 37.7
 87 0.0 0.0 0.0

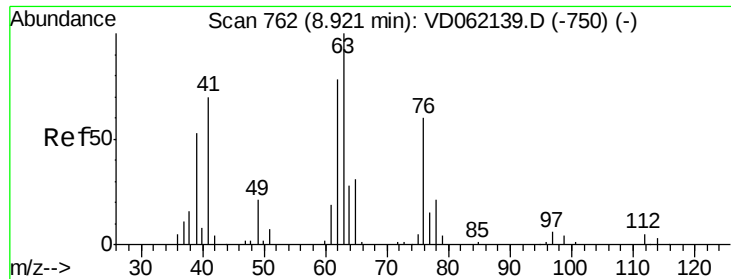


#44

Trichloroethene
 Concen: 20.006 ug/l
 RT: 8.51 min Scan# 720
 Delta R.T. -0.01 min
 Lab File: VD062166.D
 Acq: 8 May 2019 11:35

Tgt Ion: 130 Resp: 154794
 Ion Ratio Lower Upper
 130 100
 95 103.7 0.0 174.0





#45

1,2-Dichloropropane

Concen: 20.337 ug/l

RT: 8.91 min Scan# 761

Delta R.T. -0.01 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

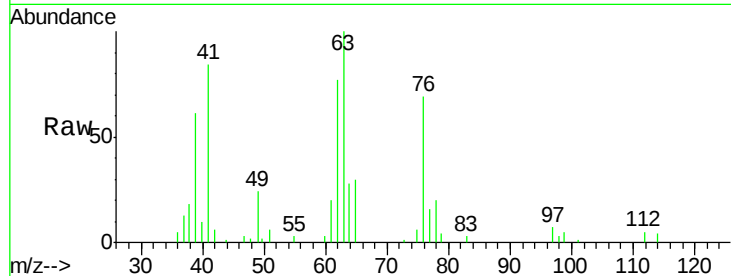
VD0508SBS01

Tot Ion: 63 Resp: 102139

Ion Ratio Lower Upper

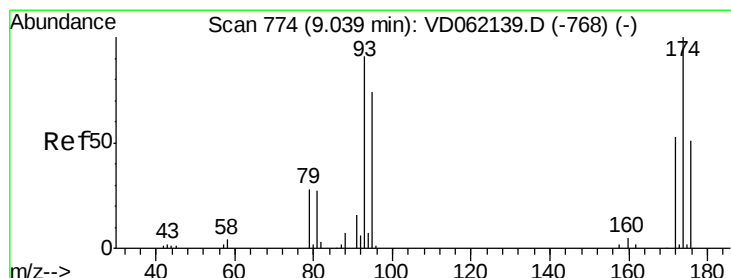
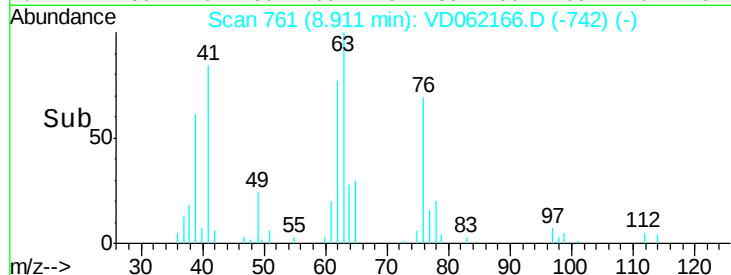
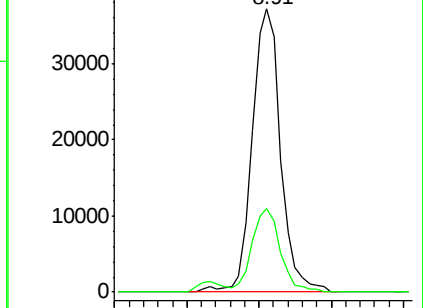
63 100

65 29.6 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: 20.693 ug/l

RT: 9.03 min Scan# 773

Delta R.T. -0.01 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

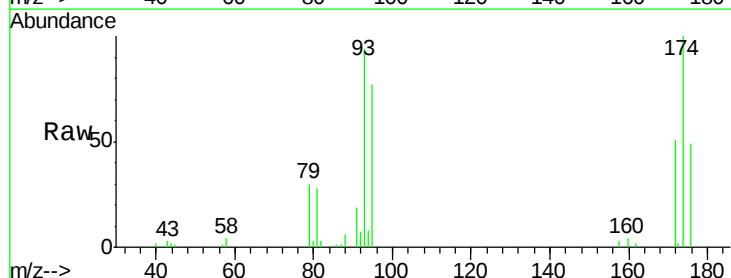
Tgt Ion: 93 Resp: 84516

Ion Ratio Lower Upper

93 100

95 81.6 64.8 97.2

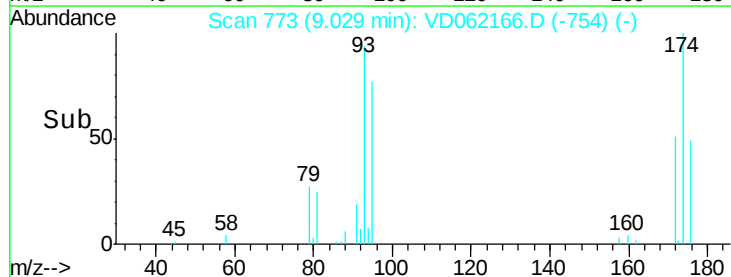
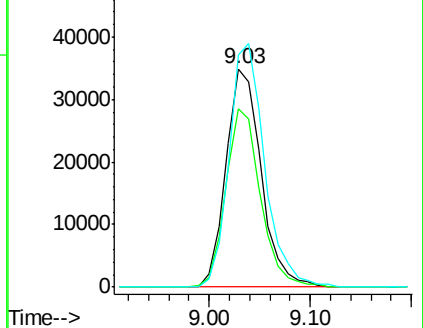
174 106.1 79.3 118.9

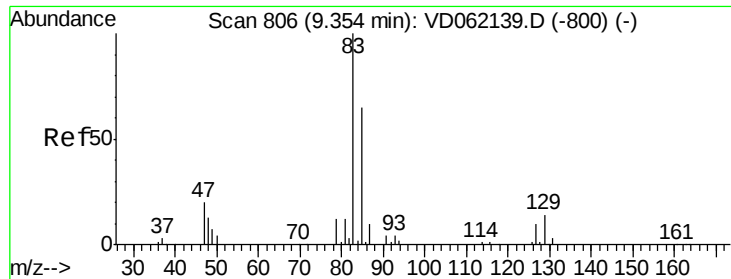


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.783 ug/l

RT: 9.34 min Scan# 805

Delta R.T. -0.01 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD0508SBS01

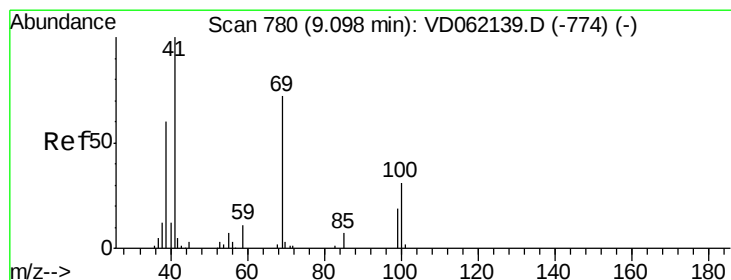
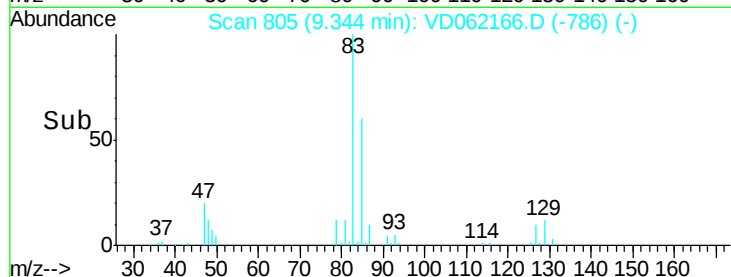
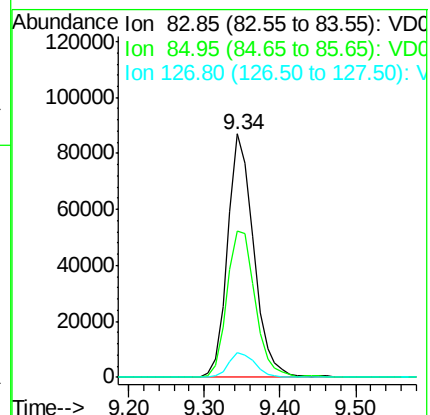
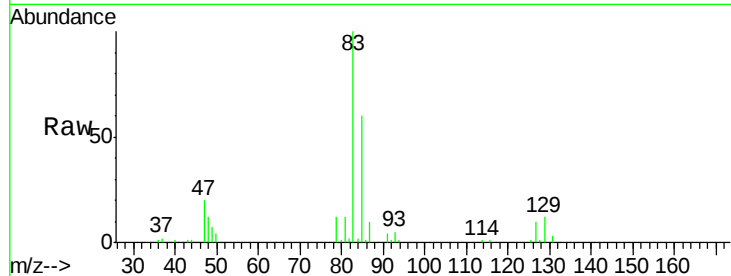
Tot Ion: 83 Resp: 207619

Ion Ratio Lower Upper

83 100

85 60.1 50.9 76.3

127 10.1 8.1 12.1



#48

Methyl methacrylate

Concen: 20.226 ug/l

RT: 9.09 min Scan# 779

Delta R.T. -0.01 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

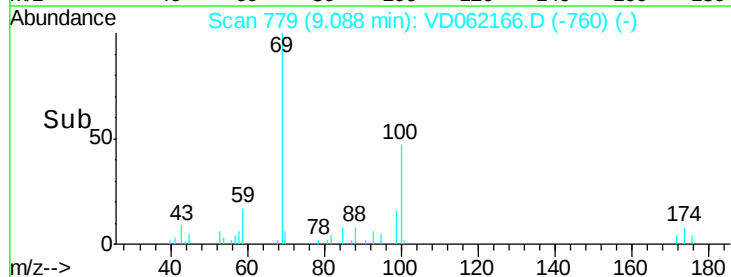
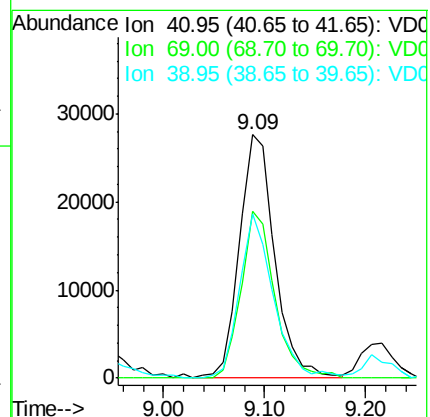
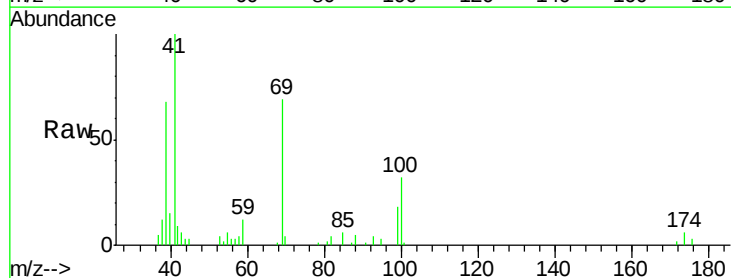
Tgt Ion: 41 Resp: 67377

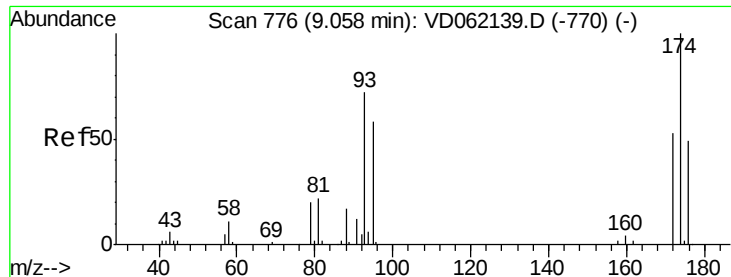
Ion Ratio Lower Upper

41 100

69 68.5 64.2 96.2

39 67.7 46.8 70.2

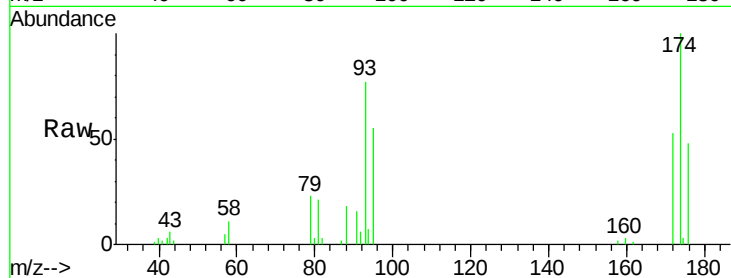




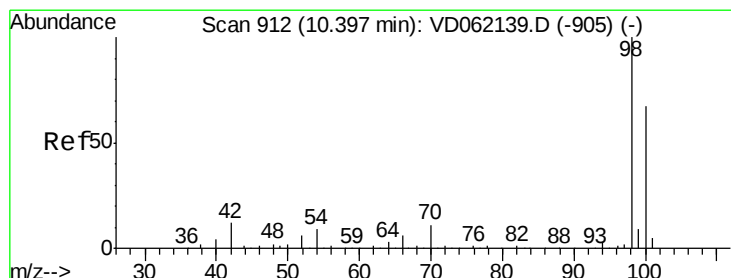
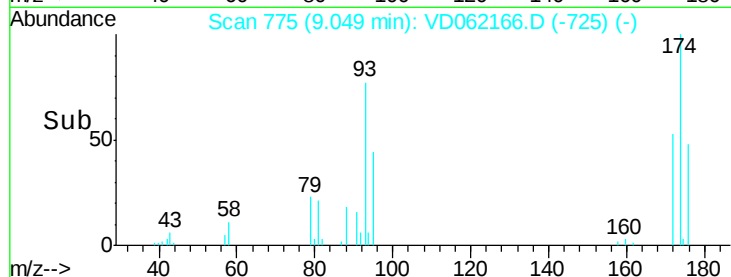
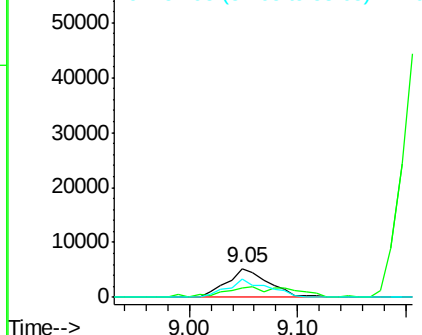
#49
1,4-Dioxane
Concen: 395.576 ug/l
RT: 9.05 min Scan# 775
Delta R.T. -0.01 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0508SBS01

Tot Ion: 88 Resp: 14218
Ion Ratio Lower Upper
88 100
43 30.8 23.4 35.0
58 61.6 44.0 66.0

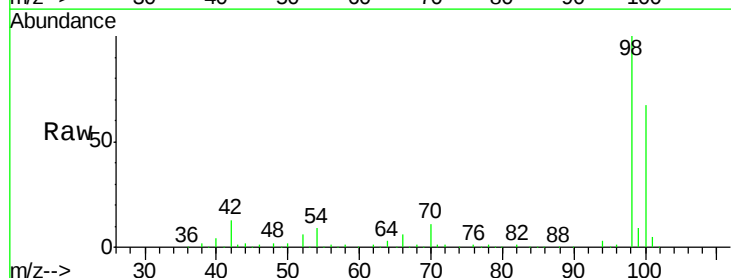


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

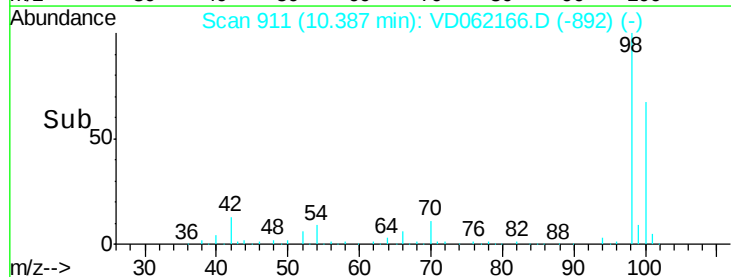
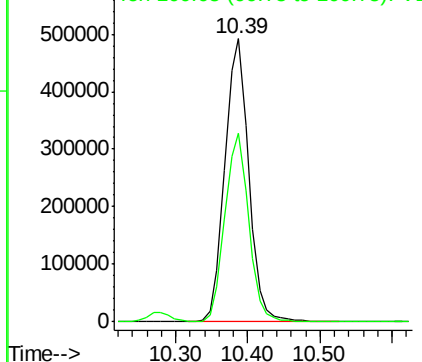


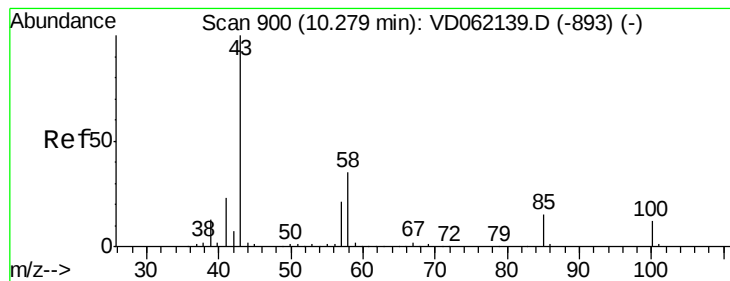
#50
Toluene-d8
Concen: 51.555 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Tgt Ion: 98 Resp: 1131101
Ion Ratio Lower Upper
98 100
100 66.8 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 96.743 ug/l

RT: 10.28 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

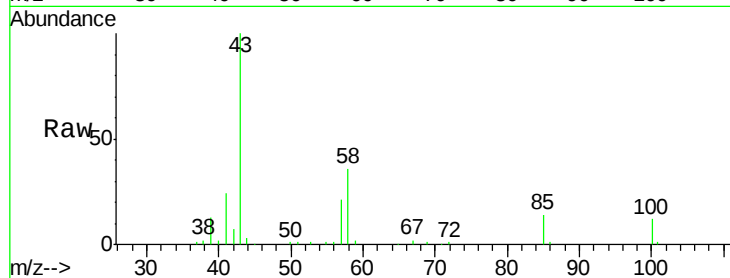
VD0508SBS01

Tot Ion: 43 Resp: 336323

Ion Ratio Lower Upper

43 100

58 35.5 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.28

150000

100000

50000

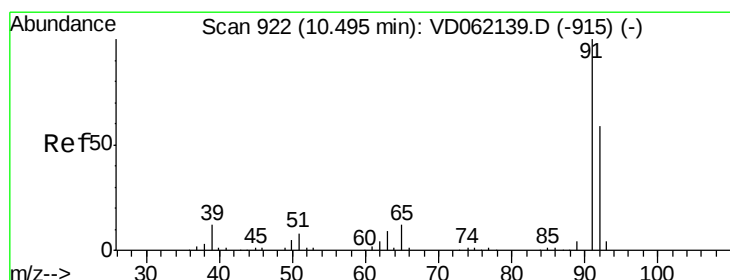
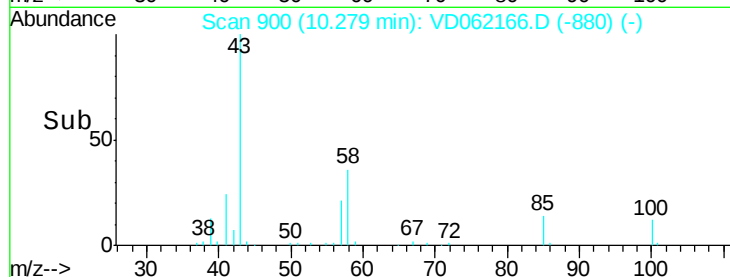
0

Time-->

10.20

10.30

10.40



#52

Toluene

Concen: 21.529 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.01 min

Lab File: VD062166.D

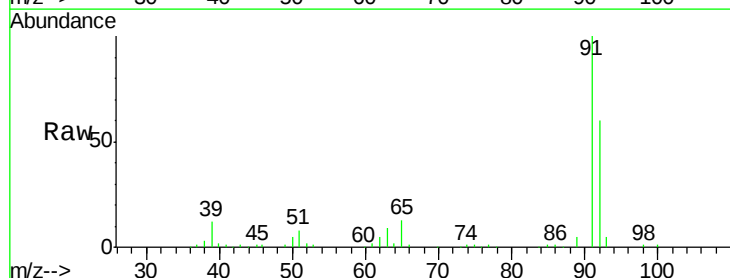
Acq: 8 May 2019 11:35

Tgt Ion: 92 Resp: 284420

Ion Ratio Lower Upper

92 100

91 167.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

200000

150000

100000

50000

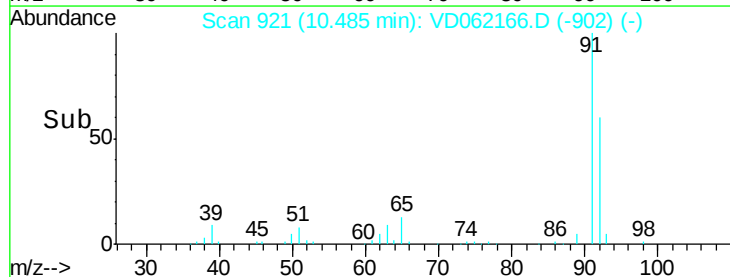
0

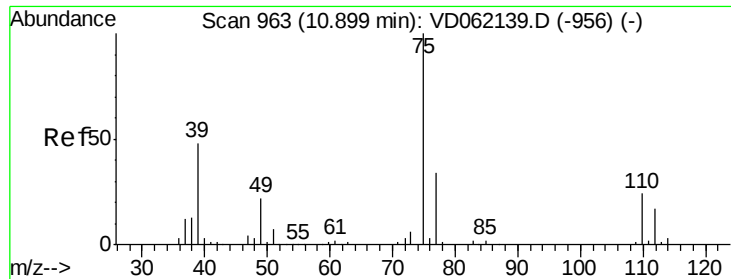
Time-->

10.40

10.50

10.60





#53

t-1,3-Dichloropropene

Concen: 21.482 ug/l

RT: 10.89 min Scan# 962

Delta R.T. -0.01 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

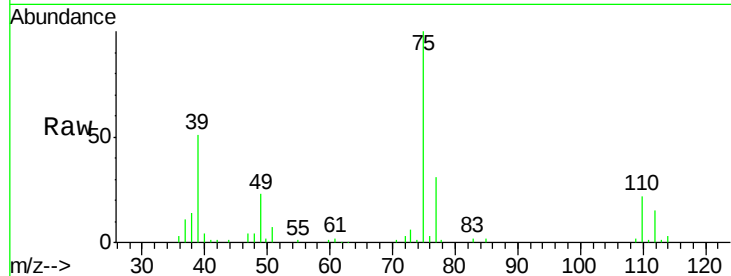
VD0508SBS01

Tot Ion: 75 Resp: 185482

Ion Ratio Lower Upper

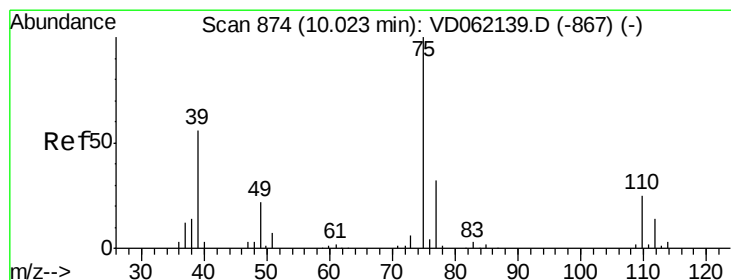
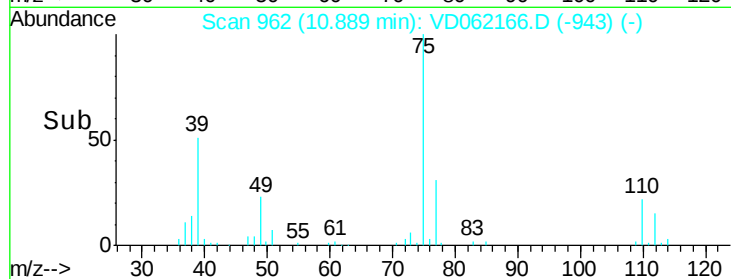
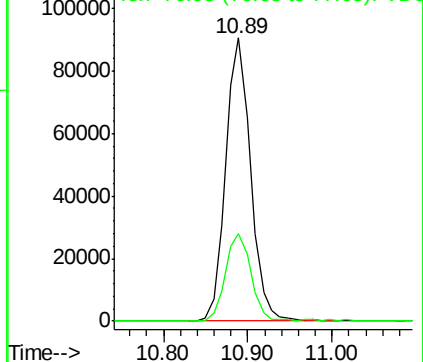
75 100

77 31.0 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.922 ug/l

RT: 10.01 min Scan# 873

Delta R.T. -0.01 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

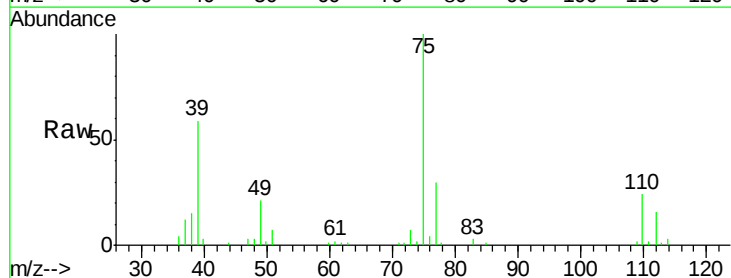
Tgt Ion: 75 Resp: 187655

Ion Ratio Lower Upper

75 100

77 29.9 25.5 38.3

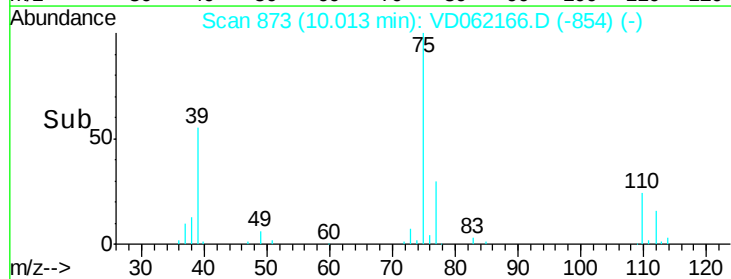
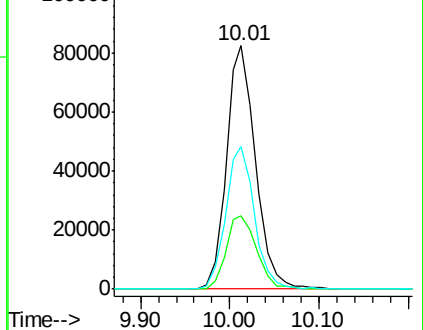
39 58.5 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

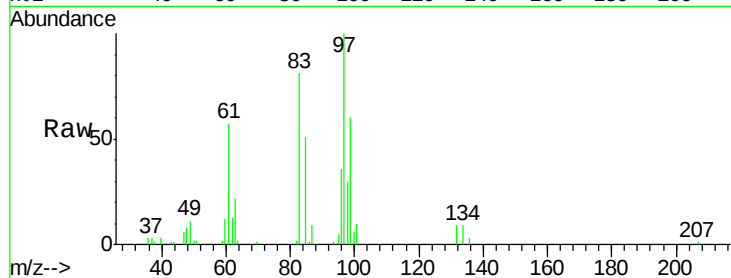




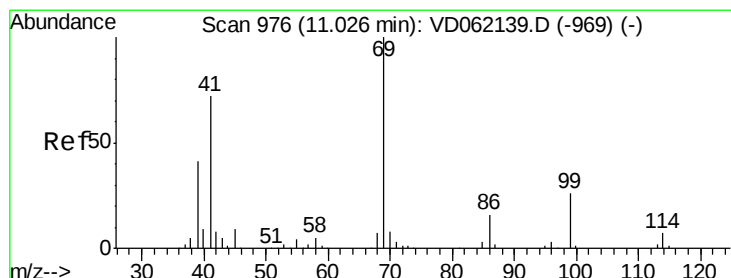
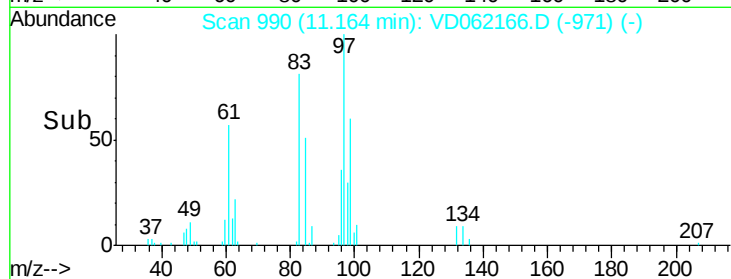
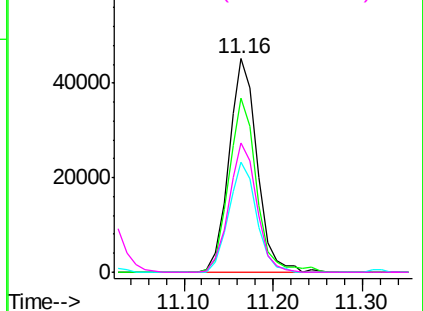
#55
 1,1,2-Trichloroethane
 Concen: 21.359 ug/l
 RT: 11.16 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: VD062166.D
 Acq: 8 May 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0508SBS01

Tot Ion:	97	Resp:	99841
Ion	Ratio	Lower	Upper
97	100		
83	81.3	65.7	98.5
85	51.5	45.6	68.4
99	60.4	48.4	72.6

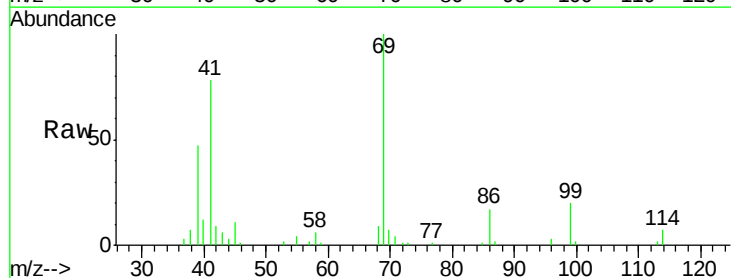


Abundance Ion 96.85 (96.55 to 97.55): VDC

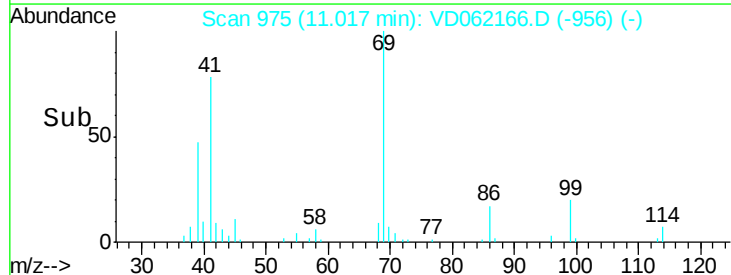
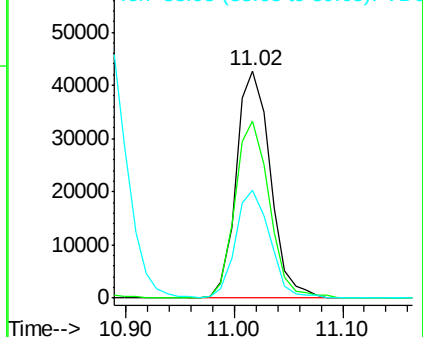


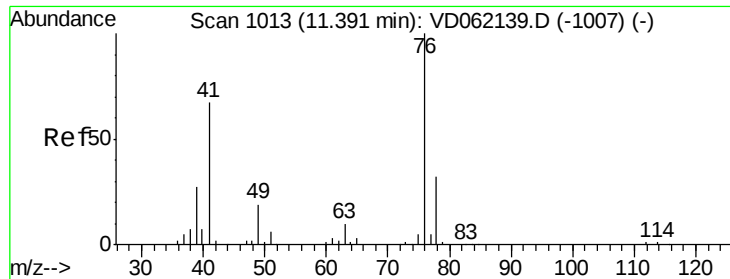
#56
 Ethyl methacrylate
 Concen: 19.260 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VD062166.D
 Acq: 8 May 2019 11:35

Tgt Ion:	69	Resp:	93554
Ion	Ratio	Lower	Upper
69	100		
41	77.9	56.3	84.5
39	47.4	29.4	44.2#



Abundance Ion 69.00 (68.70 to 69.70): VDC

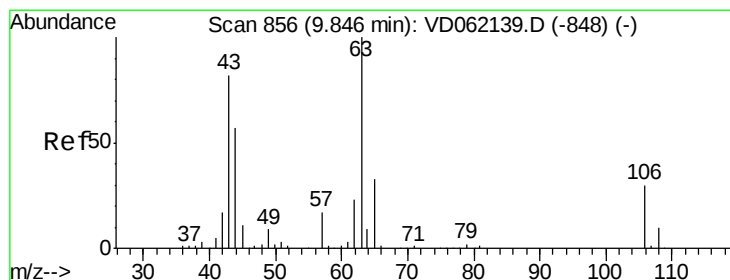
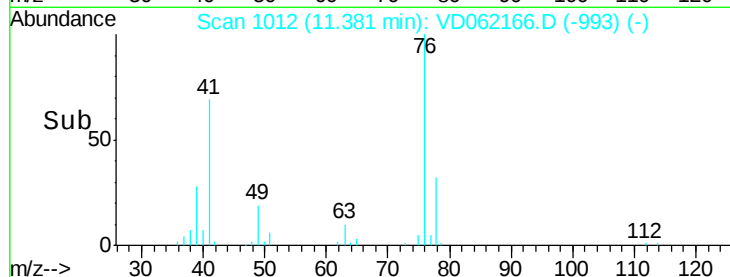
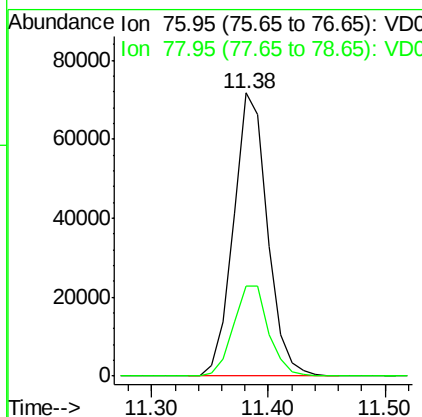
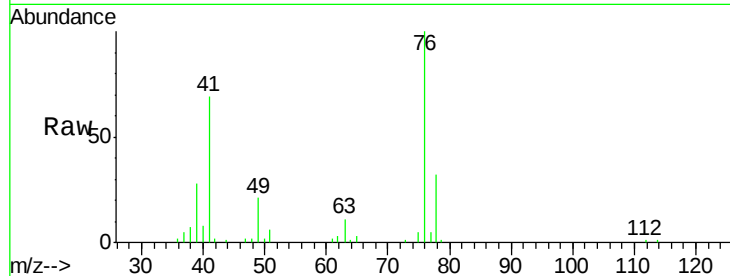




#57
 1,3-Dichloropropane
 Concen: 20.397 ug/l
 RT: 11.38 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VD062166.D
 Acq: 8 May 2019 11:35

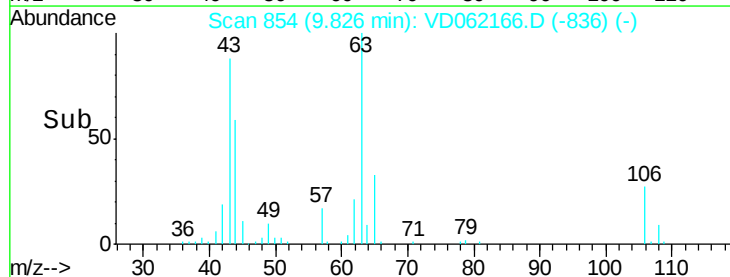
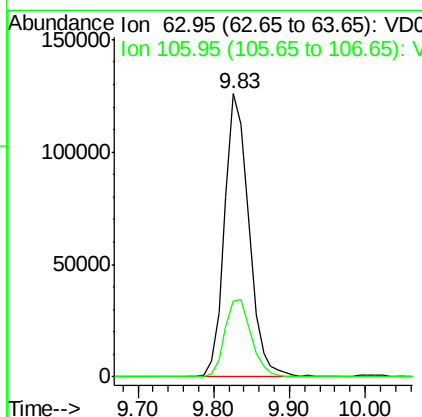
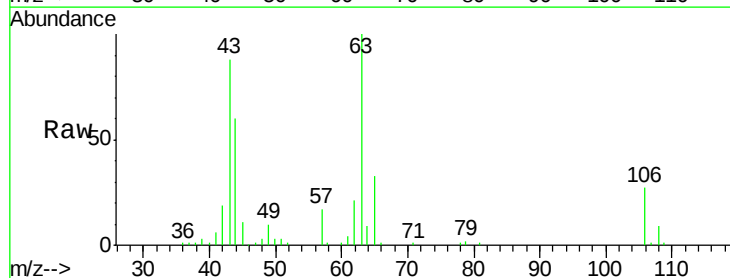
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0508SBS01

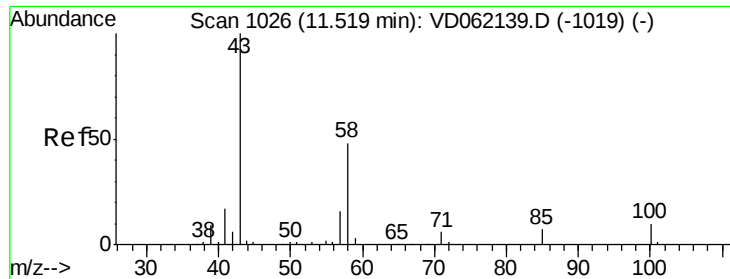
Tot Ion: 76 Resp: 144040
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.559 ug/l
 RT: 9.83 min Scan# 854
 Delta R.T. -0.02 min
 Lab File: VD062166.D
 Acq: 8 May 2019 11:35

Tgt Ion: 63 Resp: 280081
 Ion Ratio Lower Upper
 63 100
 106 26.9 22.6 34.0

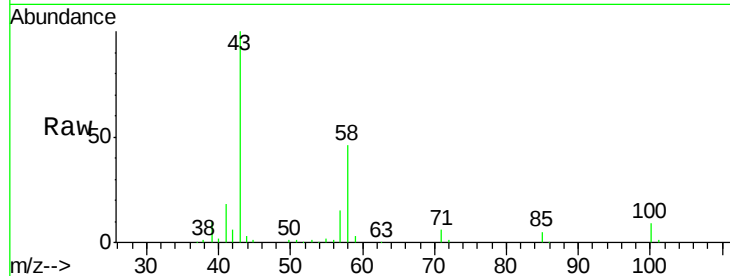




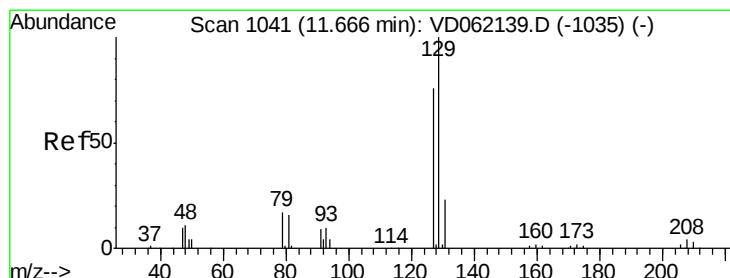
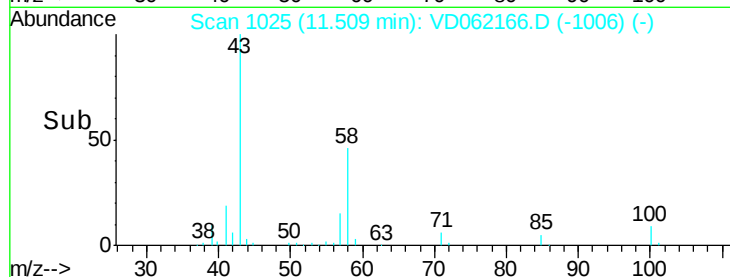
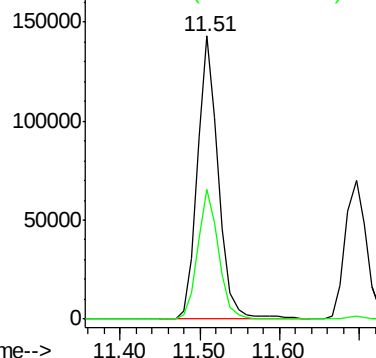
#59
2-Hexanone
Concen: 102.977 ug/l
RT: 11.51 min Scan# 1025
Delta R.T. -0.01 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0508SBS01

Tot Ion: 43 Resp: 263856
Ion Ratio Lower Upper
43 100
58 45.8 25.4 76.4

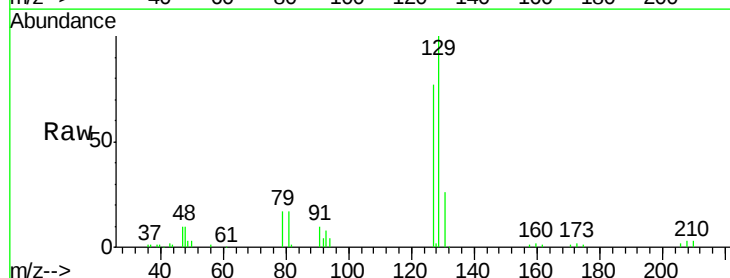


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

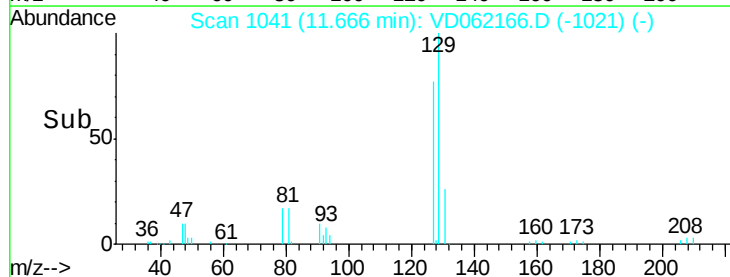
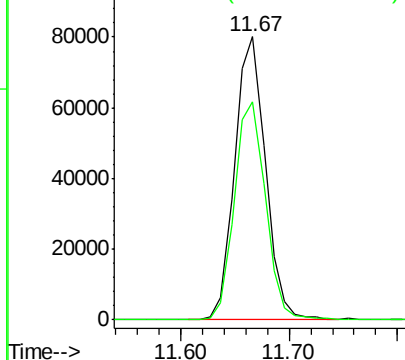


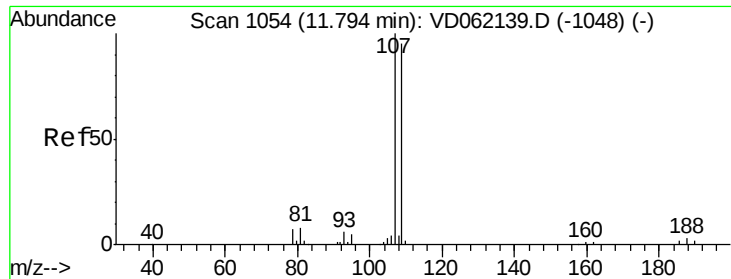
#60
Dibromochloromethane
Concen: 19.643 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Tgt Ion: 129 Resp: 158686
Ion Ratio Lower Upper
129 100
127 77.1 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

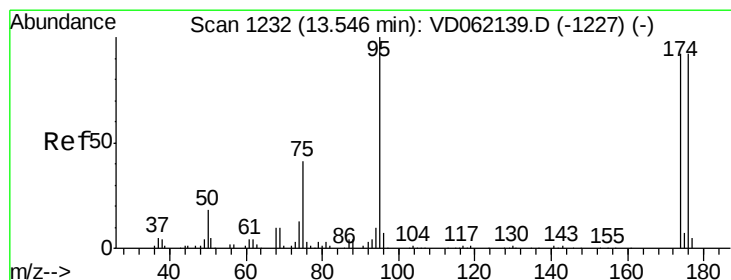
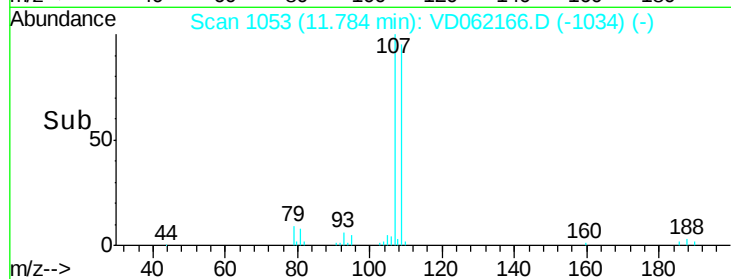
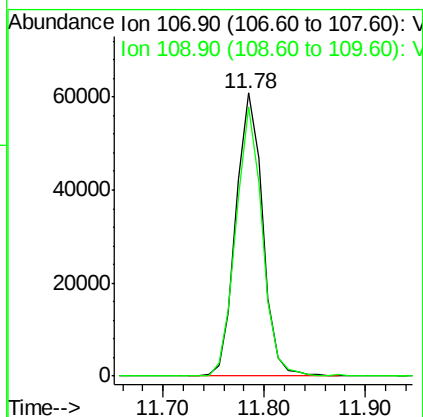
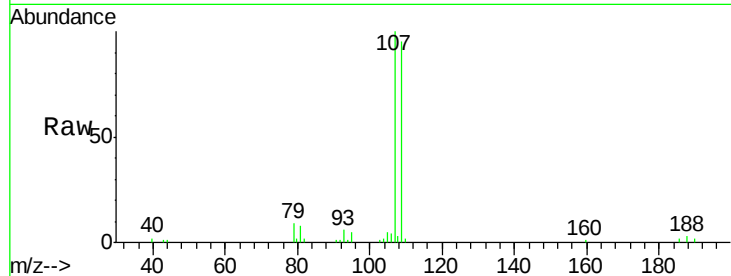




#61
 1,2-Dibromoethane
 Concen: 19.775 ug/l
 RT: 11.78 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD062166.D
 Acq: 8 May 2019 11:35

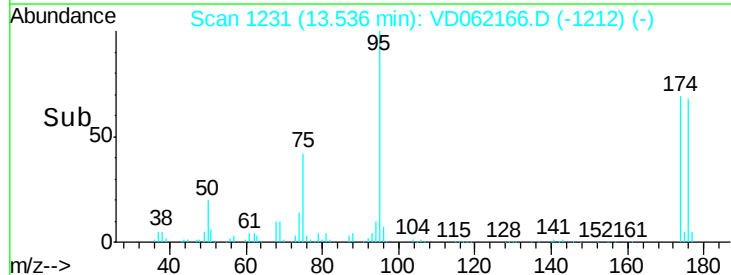
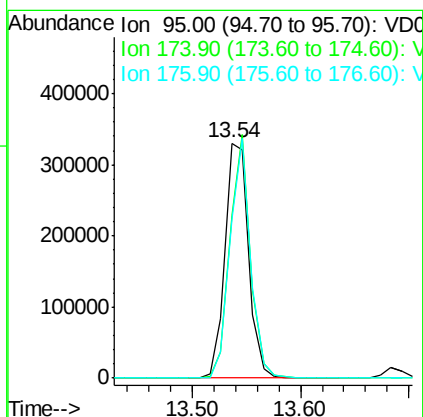
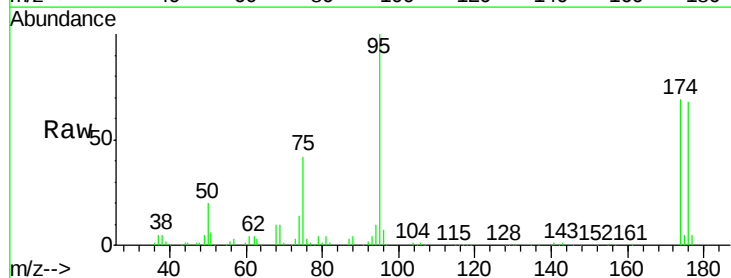
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0508SBS01

Tot Ion:107 Resp: 112381
 Ion Ratio Lower Upper
 107 100
 109 95.2 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 56.943 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD062166.D
 Acq: 8 May 2019 11:35

Tgt Ion: 95 Resp: 501678
 Ion Ratio Lower Upper
 95 100
 174 69.3 0.0 181.8
 176 67.7 0.0 174.4

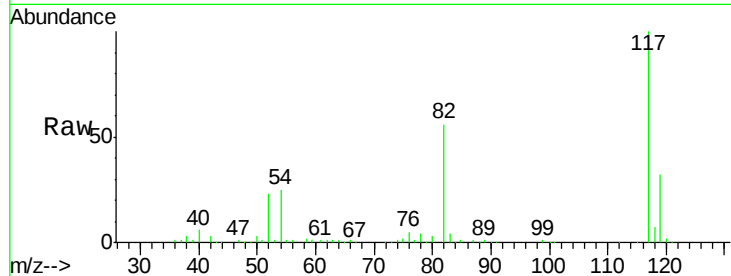




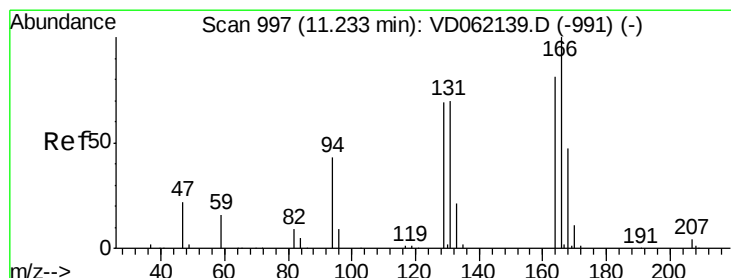
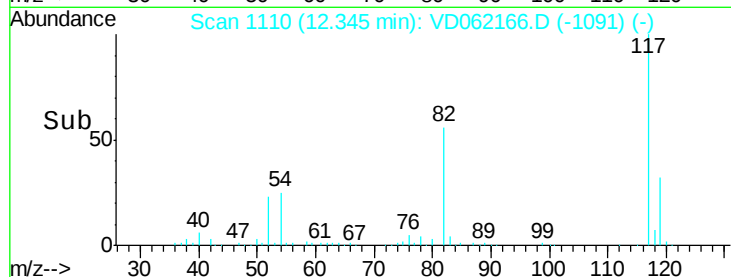
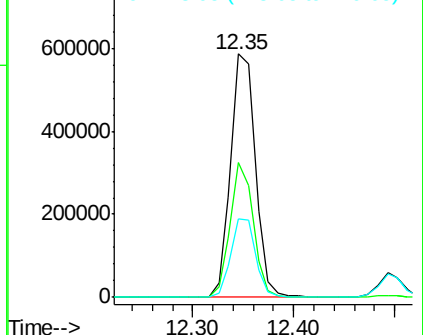
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0508SBS01

Tot Ion:117 Resp: 1002201
Ion Ratio Lower Upper
117 100
82 55.6 36.2 54.2#
119 32.1 26.2 39.4

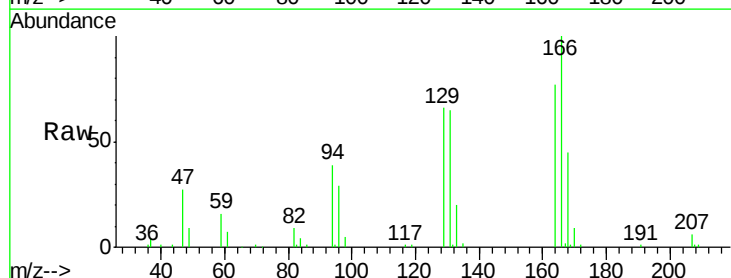


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

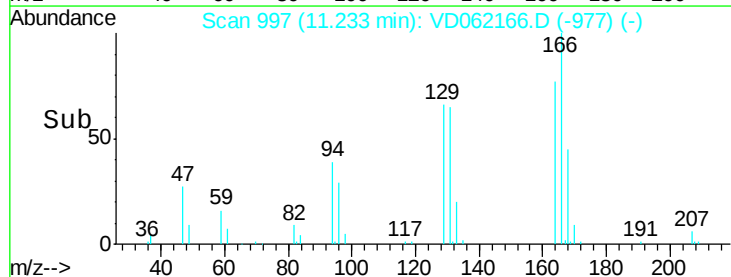
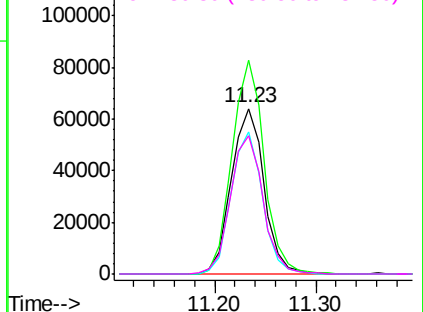


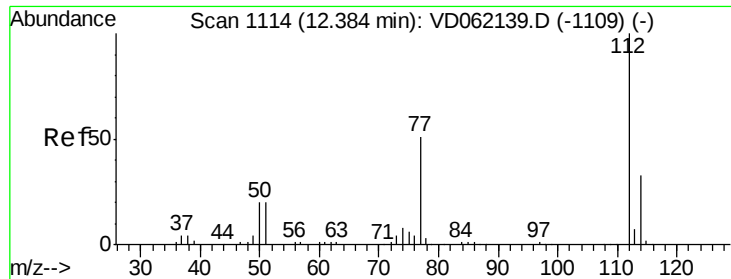
#64
Tetrachloroethene
Concen: 18.348 ug/l
RT: 11.23 min Scan# 997
Delta R.T. 0.00 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Tgt Ion:164 Resp: 143786
Ion Ratio Lower Upper
164 100
166 129.1 101.5 152.3
129 85.8 74.6 112.0
131 83.8 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

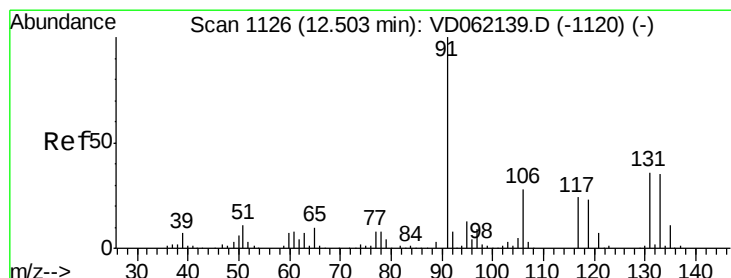
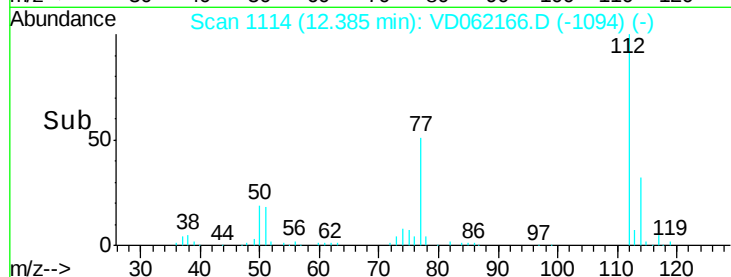
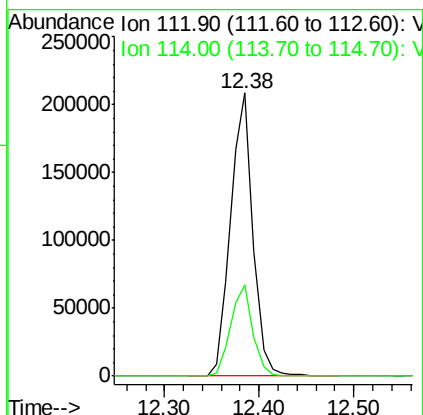
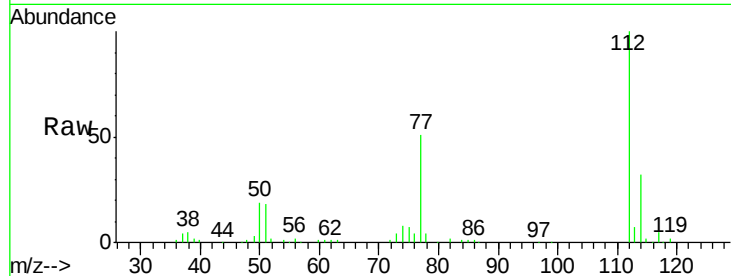




#65
Chlorobenzene
Concen: 18.217 ug/l
RT: 12.38 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

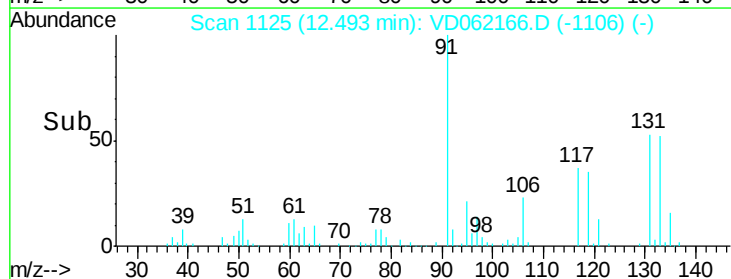
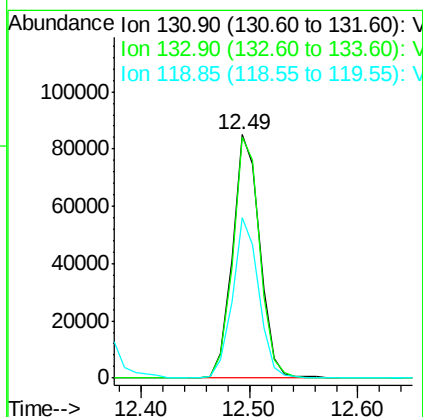
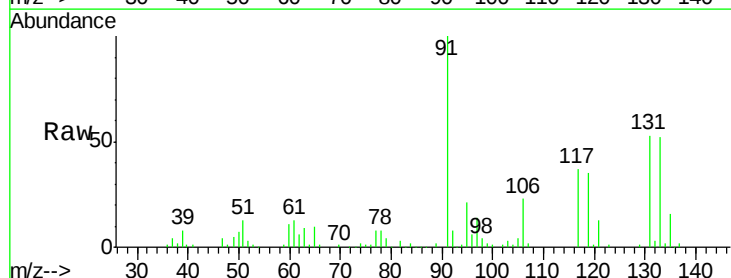
Instrument :
MSVOA_D
ClientSampleId :
VD0508SBS01

Tot Ion:112 Resp: 340049
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.252 ug/l
RT: 12.49 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Tgt Ion:131 Resp: 148278
Ion Ratio Lower Upper
131 100
133 99.1 48.6 145.8
119 65.9 34.7 104.1

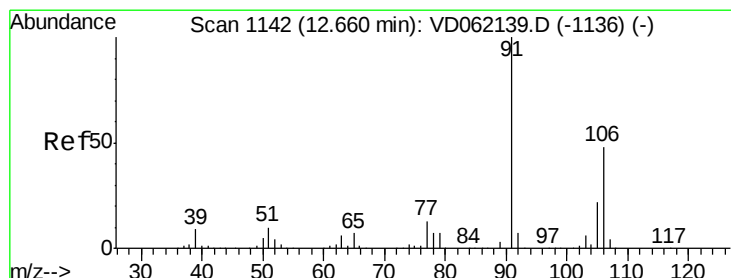
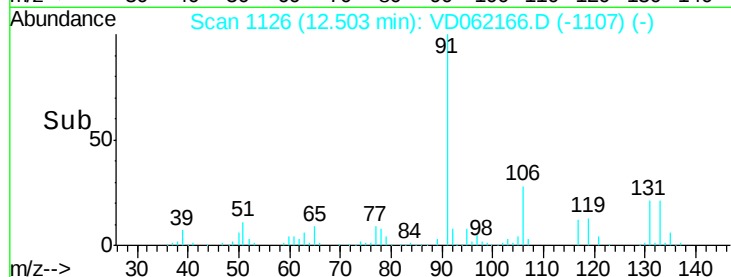
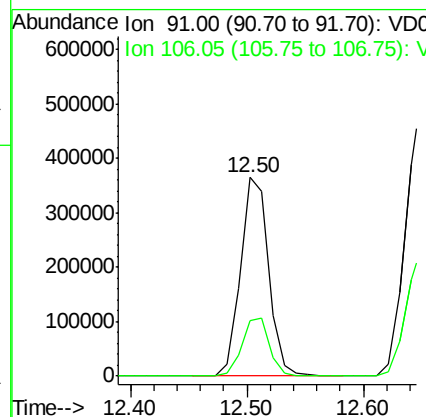
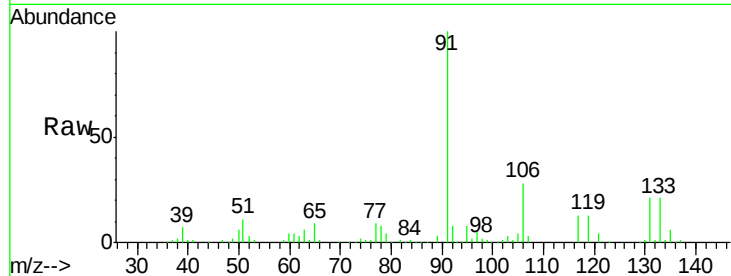




#67
Ethyl Benzene
Concen: 19.534 ug/l
RT: 12.50 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

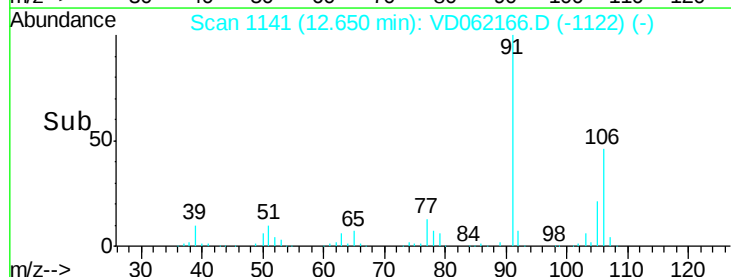
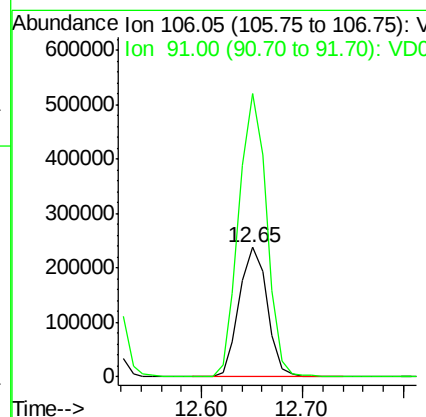
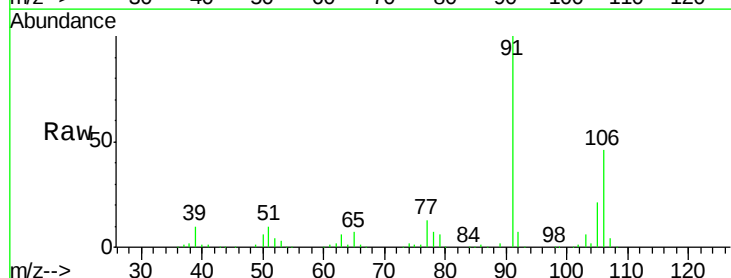
Instrument :
MSVOA_D
ClientSampleId :
VD0508SBS01

Tot Ion: 91 Resp: 610437
Ion Ratio Lower Upper
91 100
106 28.2 24.7 37.1



#68
m/p-Xylenes
Concen: 40.508 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Tgt Ion: 106 Resp: 460556
Ion Ratio Lower Upper
106 100
91 218.4 164.0 246.0

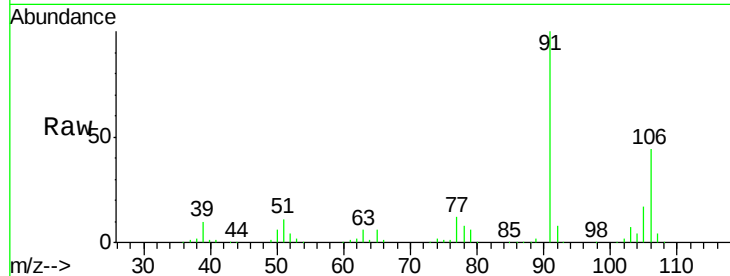




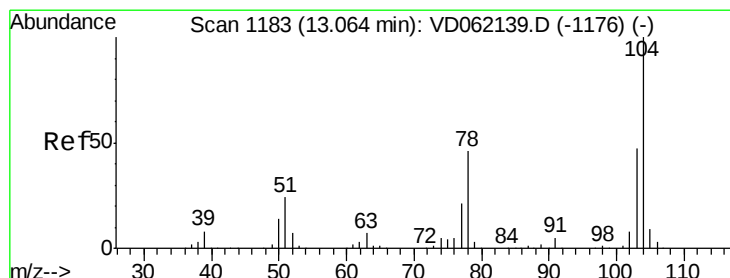
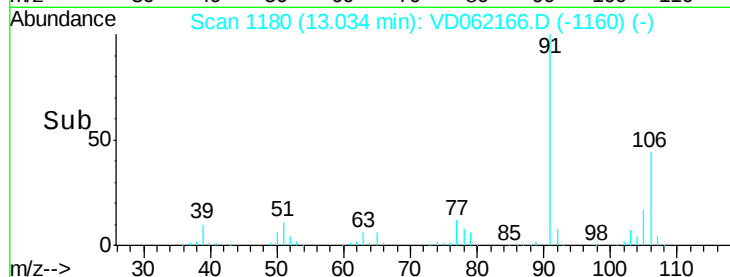
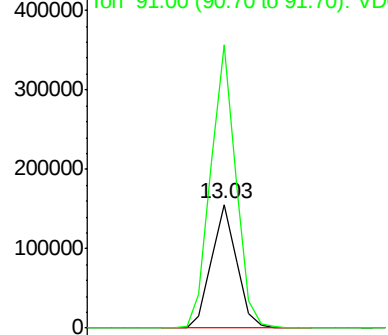
#69
o-Xylene
Concen: 20.314 ug/l
RT: 13.03 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0508SBS01

Tot Ion:106 Resp: 214725
Ion Ratio Lower Upper
106 100
91 228.3 106.7 319.9

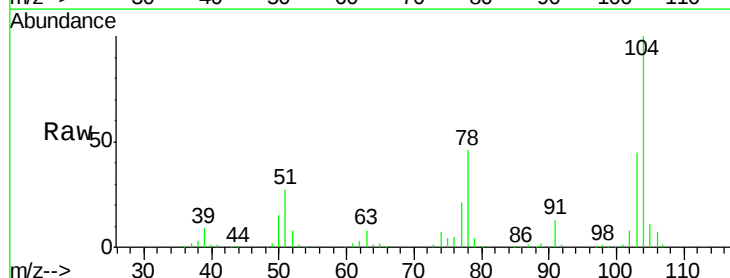


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

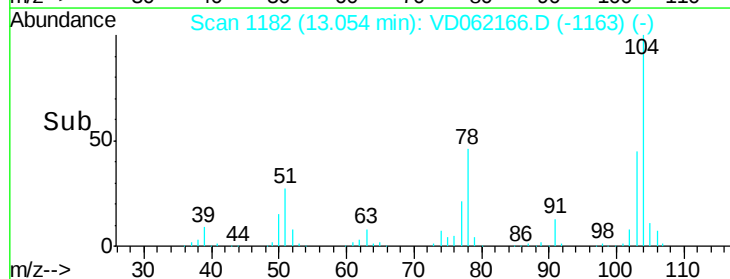
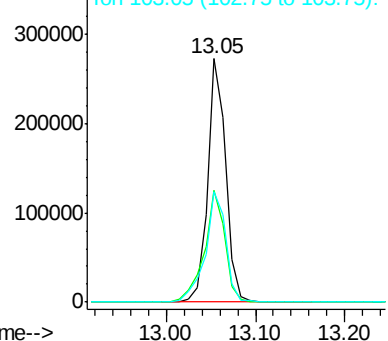


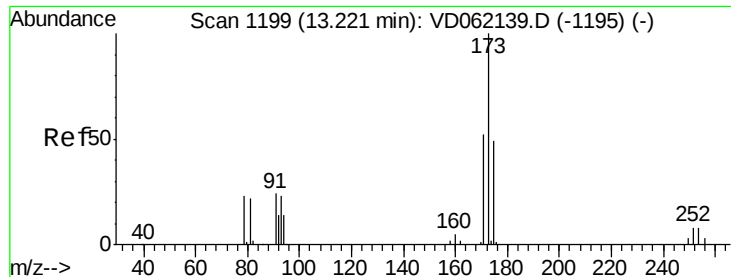
#70
Styrene
Concen: 21.637 ug/l
RT: 13.05 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Tgt Ion:104 Resp: 387438
Ion Ratio Lower Upper
104 100
78 45.8 35.4 53.2
103 45.2 37.5 56.3



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

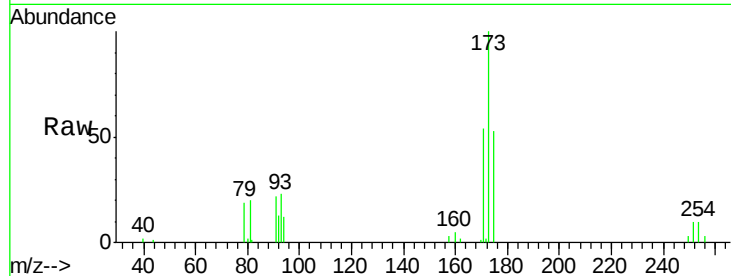




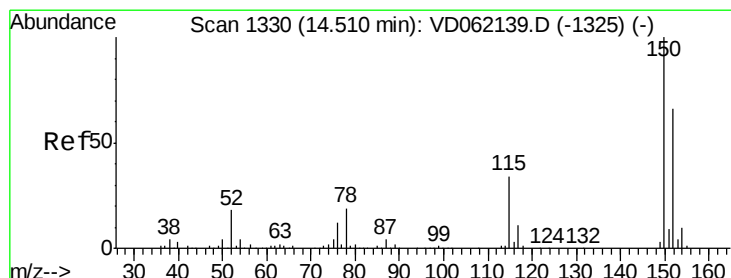
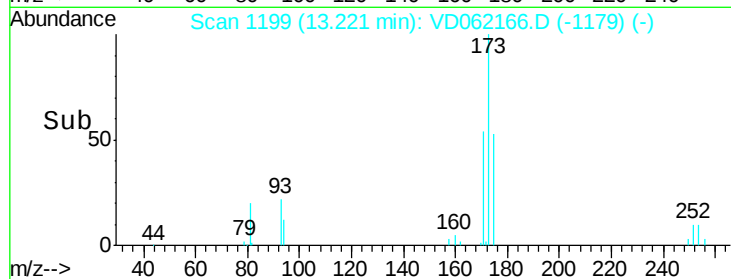
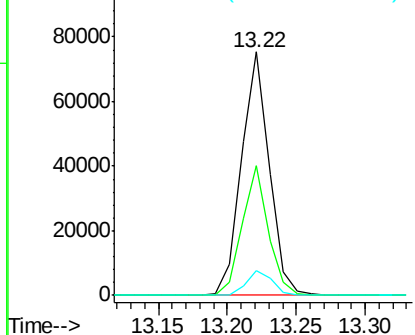
#71
Bromoform
Concen: 18.778 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0508SBS01

Tot Ion:173 Resp: 106136
Ion Ratio Lower Upper
173 100
175 53.2 24.4 73.4
254 10.3 5.4 8.2#

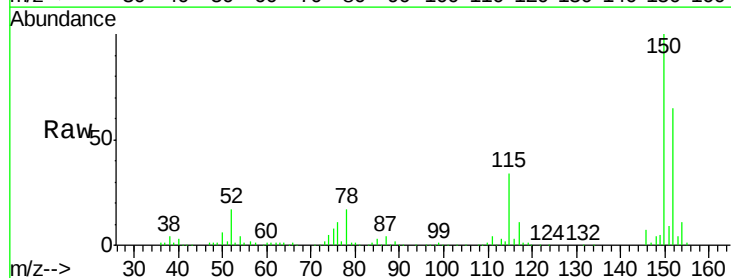


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

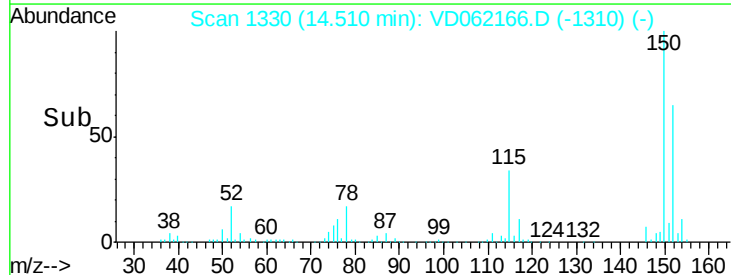
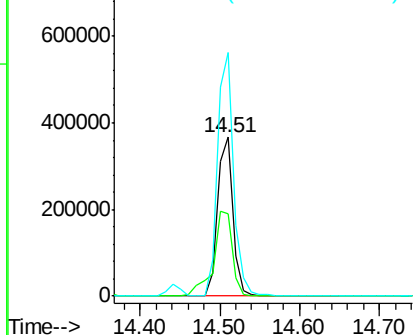


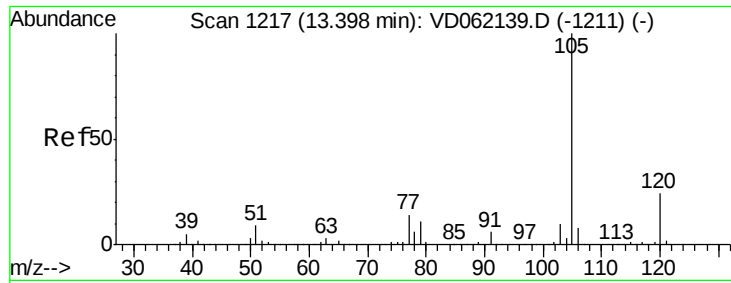
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Tgt Ion:152 Resp: 500504
Ion Ratio Lower Upper
152 100
115 52.0 30.9 92.7
150 153.3 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

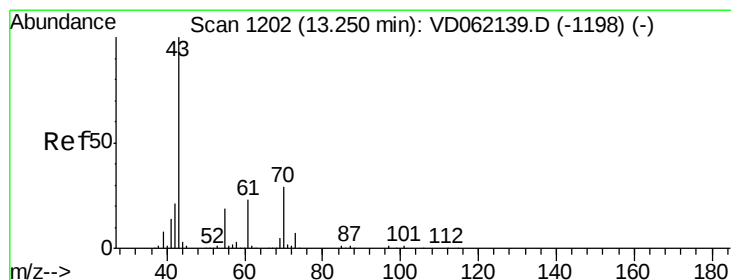
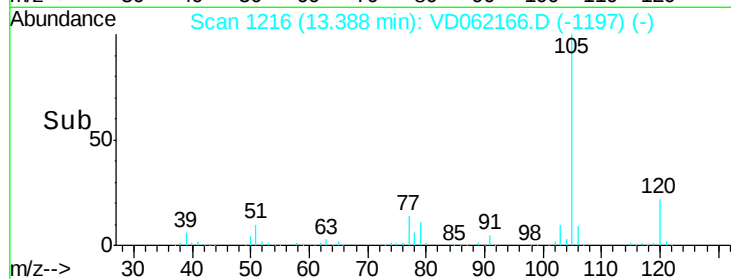
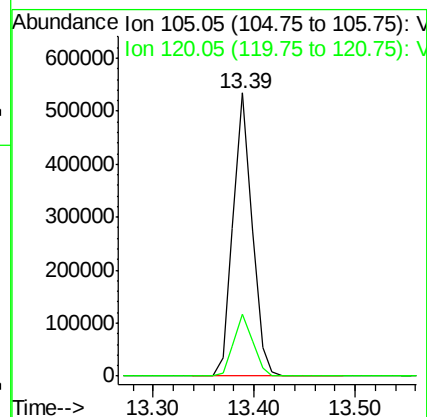
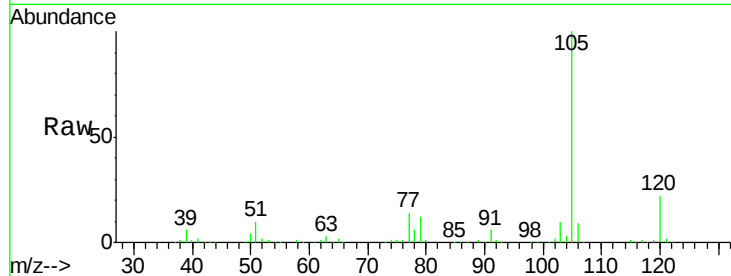




#73
Isopropylbenzene
Concen: 23.439 ug/l
RT: 13.39 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

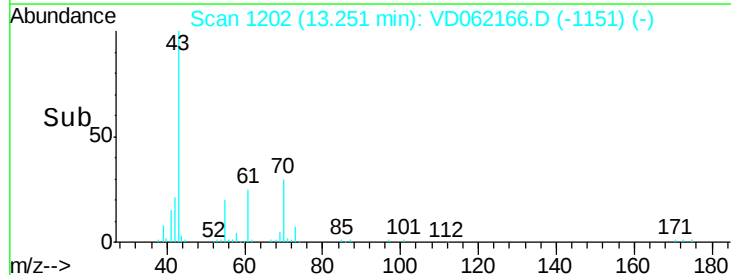
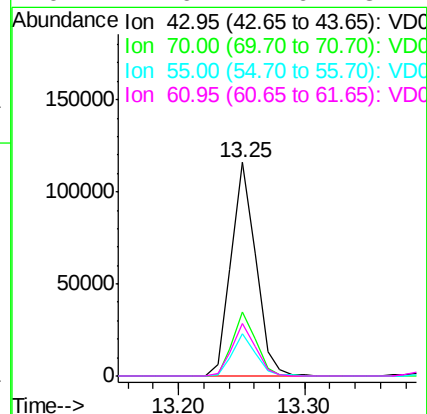
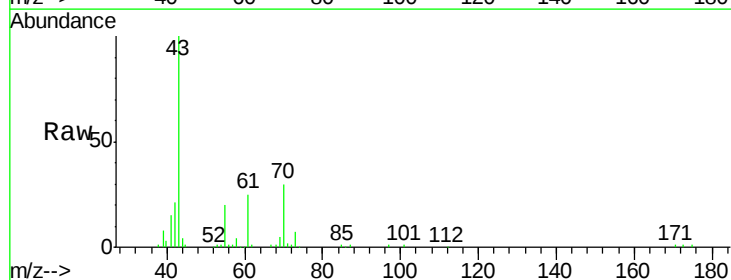
Instrument :
MSVOA_D
ClientSampleId :
VD0508SBS01

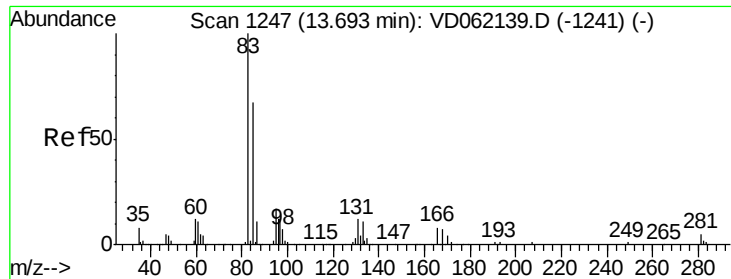
Tot Ion:105 Resp: 703207
Ion Ratio Lower Upper
105 100
120 22.1 12.0 36.1



#74
N-ethyl acetate
Concen: 19.916 ug/l
RT: 13.25 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Tgt Ion: 43 Resp: 156659
Ion Ratio Lower Upper
43 100
70 29.7 24.2 36.4
55 19.7 16.0 24.0
61 24.6 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.302 ug/l

RT: 13.68 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD0508SBS01

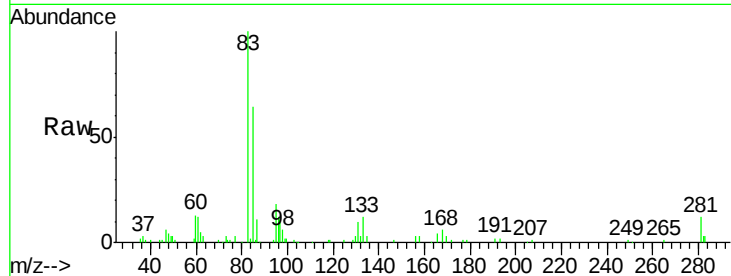
Tot Ion: 83 Resp: 109629

Ion Ratio Lower Upper

83 100

131 10.0 5.0 14.9

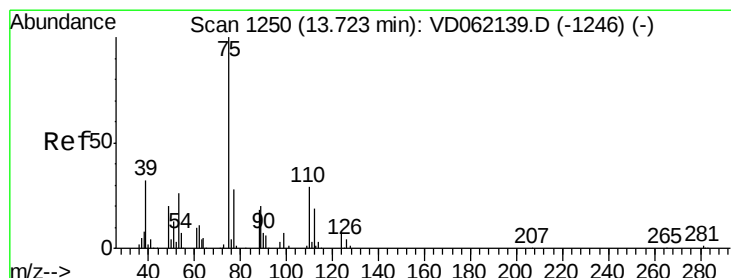
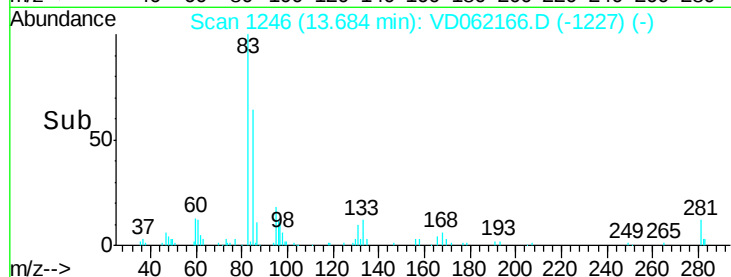
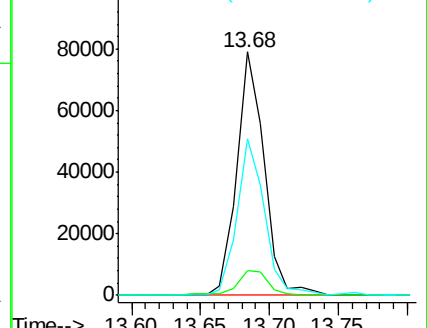
85 64.3 32.6 97.7



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: 21.148 ug/l

RT: 13.72 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062166.D

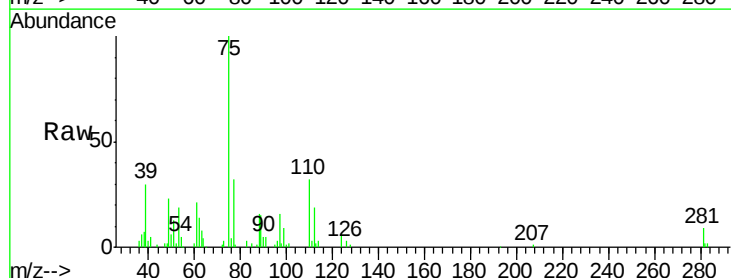
Acq: 8 May 2019 11:35

Tgt Ion: 75 Resp: 125789

Ion Ratio Lower Upper

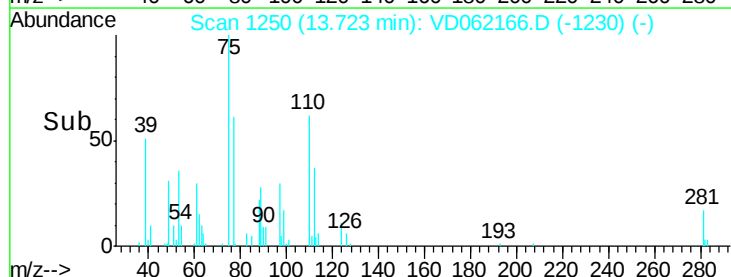
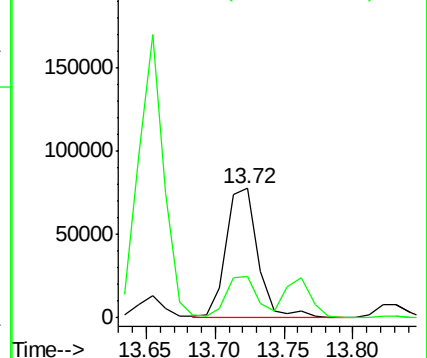
75 100

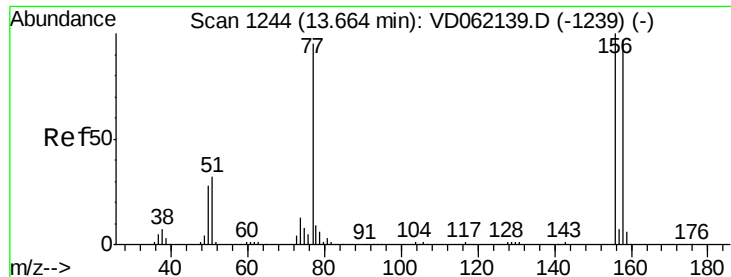
77 32.4 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.170 ug/l

RT: 13.65 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD0508SBS01

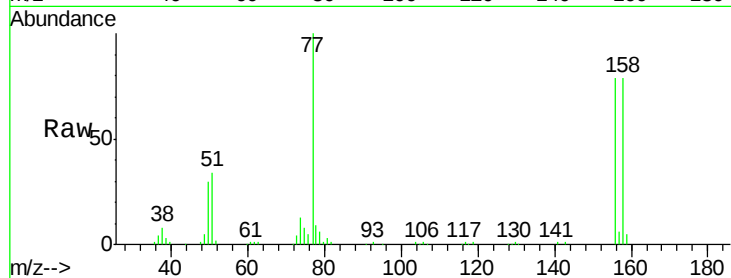
Tot Ion:156 Resp: 177801

Ion Ratio Lower Upper

156 100

77 126.0 53.1 159.4

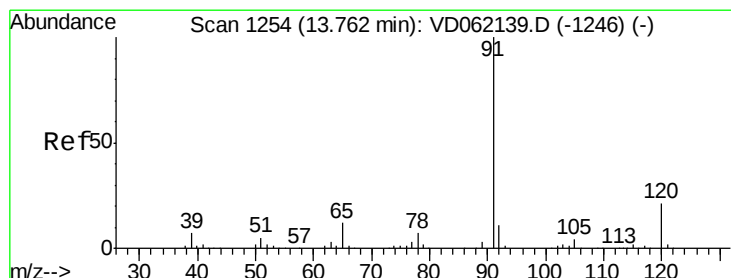
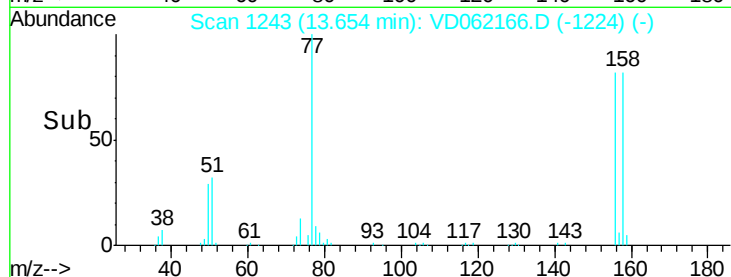
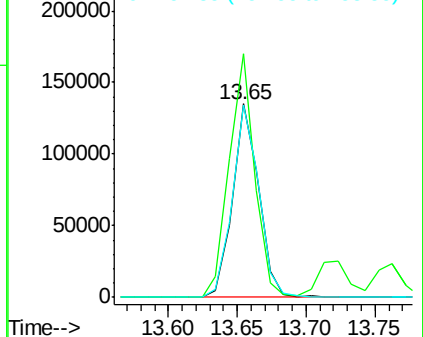
158 99.5 49.4 148.0



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: 23.719 ug/l

RT: 13.76 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD062166.D

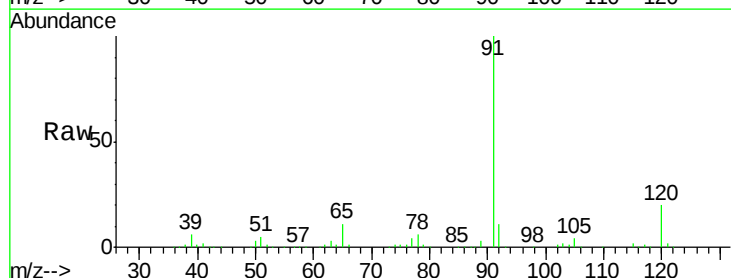
Acq: 8 May 2019 11:35

Tgt Ion: 91 Resp: 848858

Ion Ratio Lower Upper

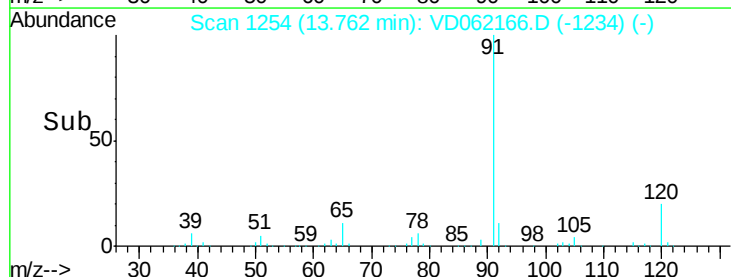
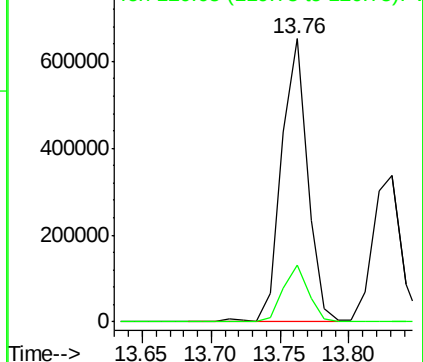
91 100

120 20.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

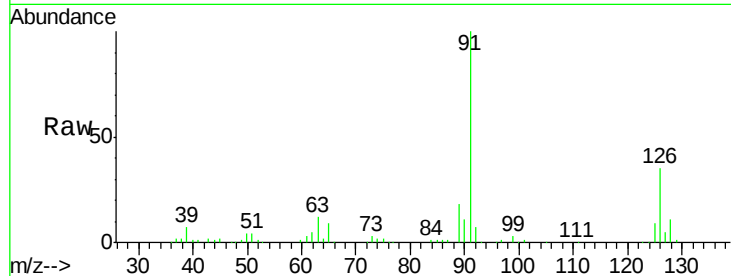




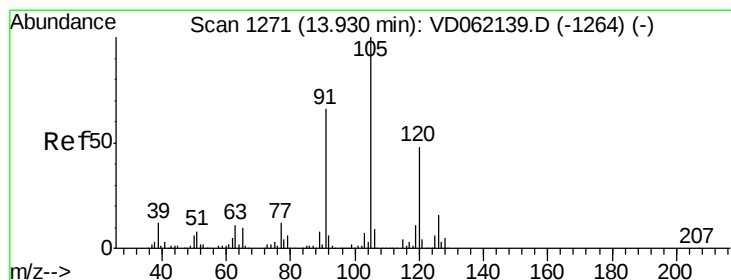
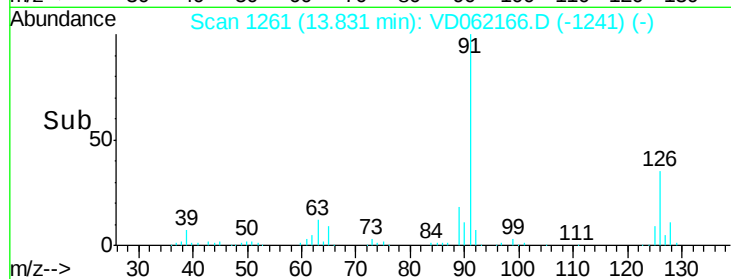
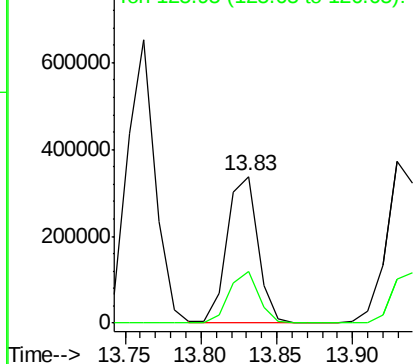
#79
2-Chlorotoluene
Concen: 23.396 ug/l
RT: 13.83 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0508SBS01

Tot Ion: 91 Resp: 479553
Ion Ratio Lower Upper
91 100
126 35.3 18.6 55.8

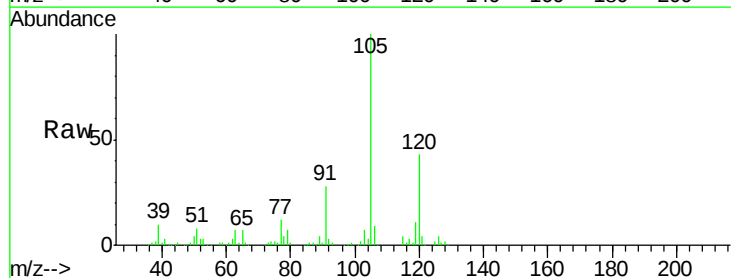


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

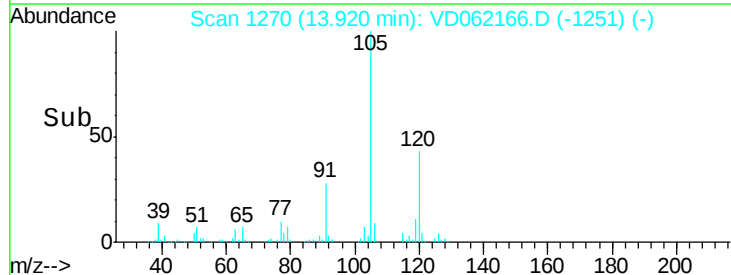
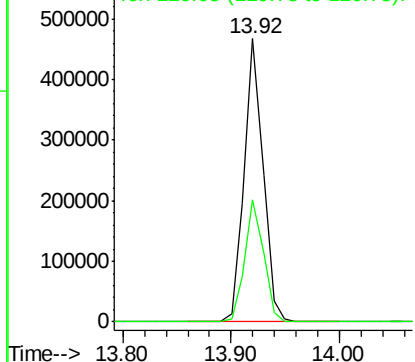


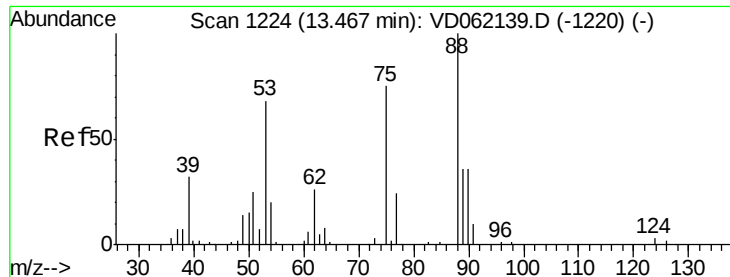
#80
1,3,5-Trimethylbenzene
Concen: 22.457 ug/l
RT: 13.92 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Tgt Ion: 105 Resp: 567349
Ion Ratio Lower Upper
105 100
120 43.3 24.0 72.0



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

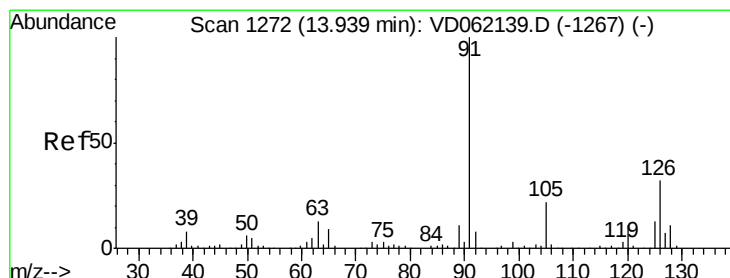
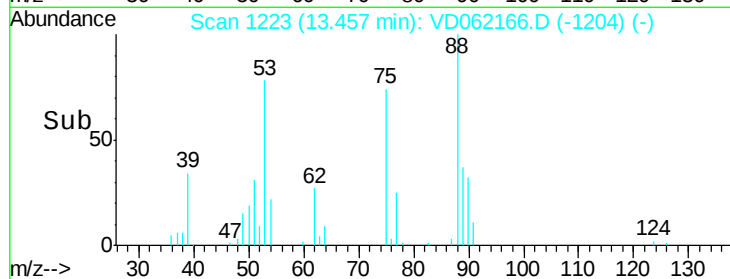
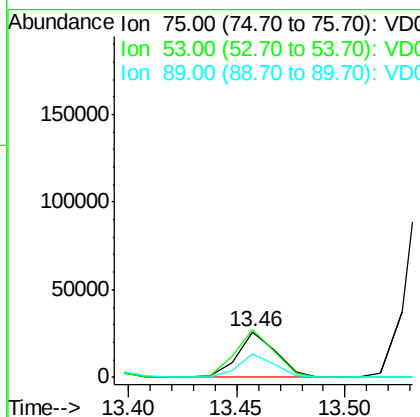
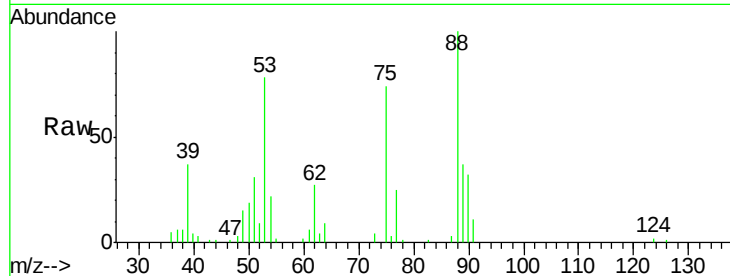




#81
trans-1,4-Dichloro-2-butene
Concen: 18.556 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

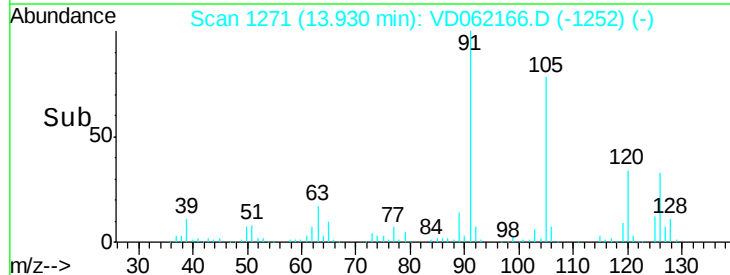
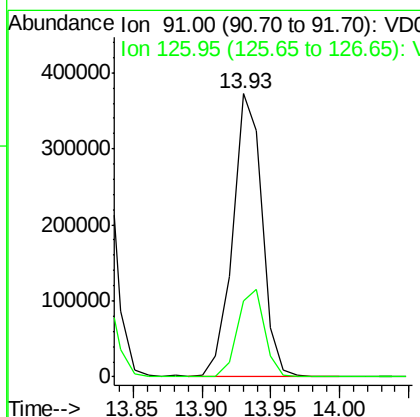
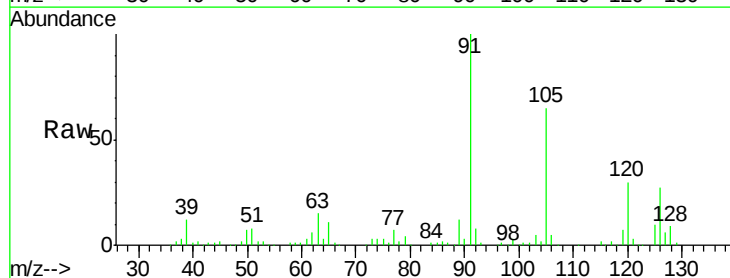
Instrument :
MSVOA_D
ClientSampleId :
VD0508SBS01

Tot Ion: 75 Resp: 31159
Ion Ratio Lower Upper
75 100
53 104.7 65.8 98.8#
89 50.3 35.0 52.6



#82
4-Chlorotoluene
Concen: 22.757 ug/l
RT: 13.93 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Tgt Ion: 91 Resp: 548890
Ion Ratio Lower Upper
91 100
126 26.9 19.1 57.5

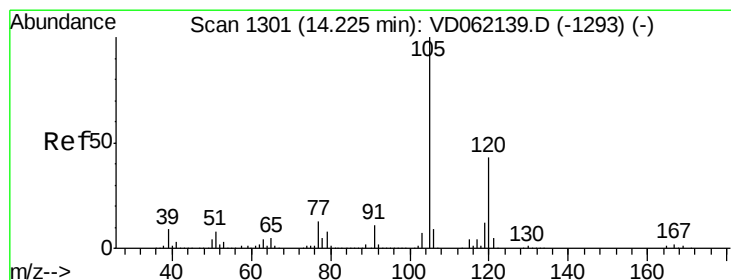
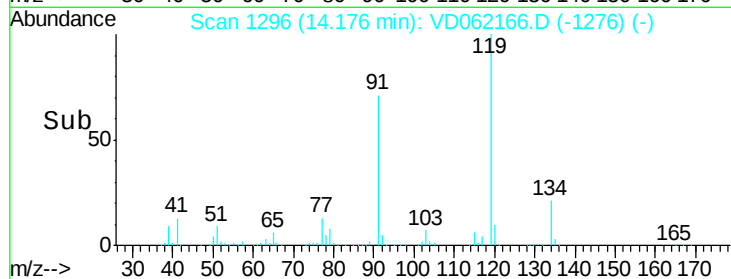
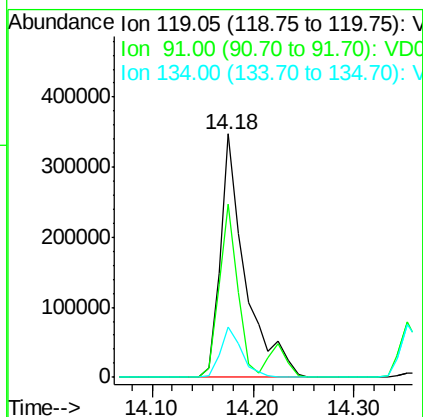
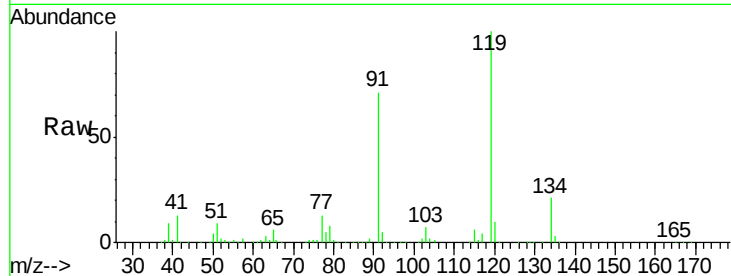




#83
tert-Butylbenzene
Concen: 21.049 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

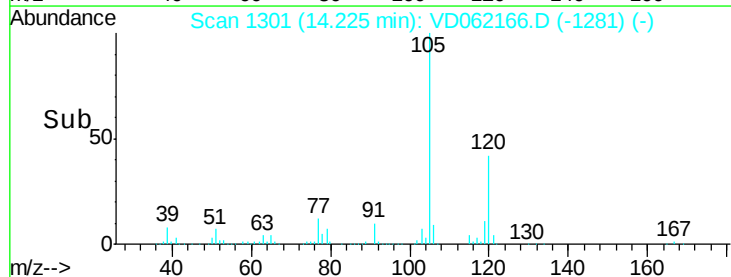
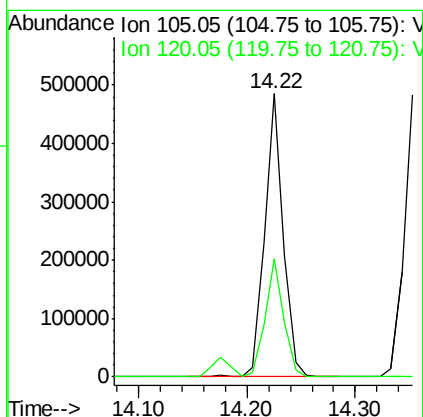
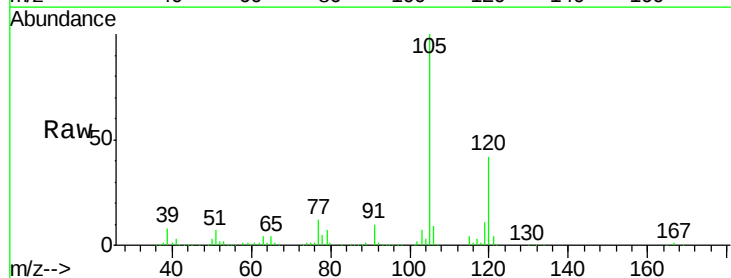
Instrument :
MSVOA_D
ClientSampleId :
VD0508SBS01

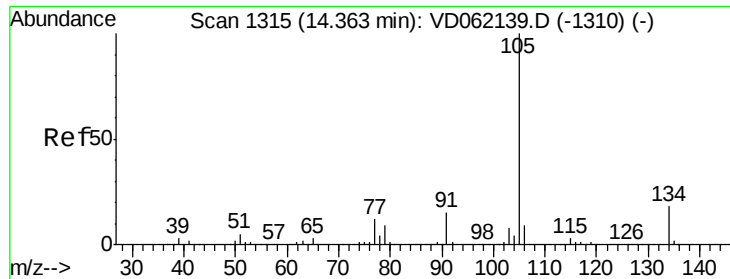
Tot Ion:119 Resp: 597723
Ion Ratio Lower Upper
119 100
91 71.0 34.2 102.6
134 20.6 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 22.720 ug/l
RT: 14.22 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Tgt Ion:105 Resp: 575998
Ion Ratio Lower Upper
105 100
120 42.0 23.1 69.2





#85

sec-Butylbenzene

Concen: 20.008 ug/l

RT: 14.35 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

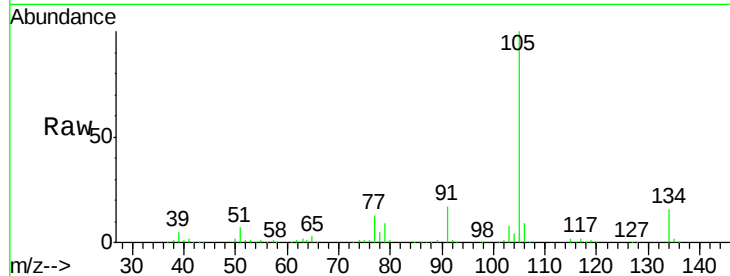
VD0508SBS01

Tot Ion:105 Resp: 622916

Ion Ratio Lower Upper

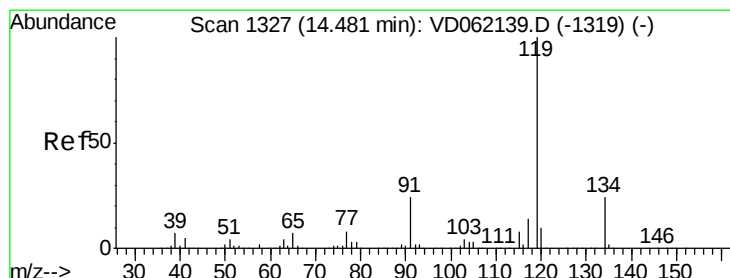
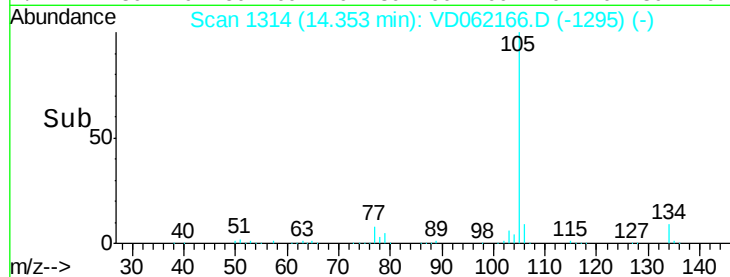
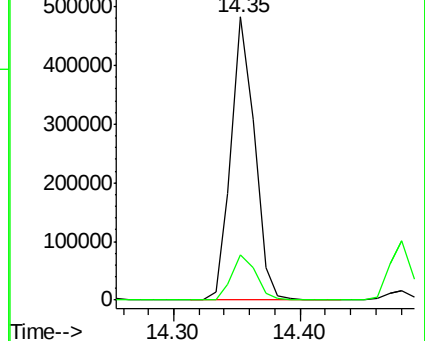
105 100

134 15.8 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.001 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD062166.D

Acq: 8 May 2019 11:35

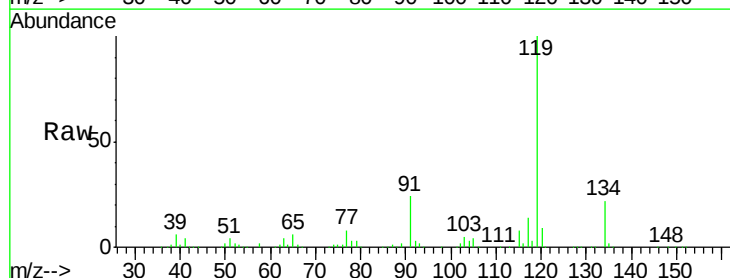
Tgt Ion:119 Resp: 556367

Ion Ratio Lower Upper

119 100

134 22.4 12.8 38.3

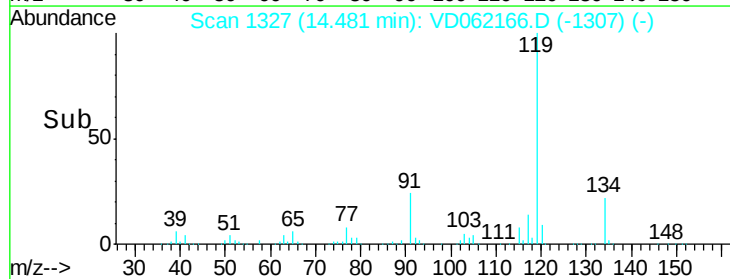
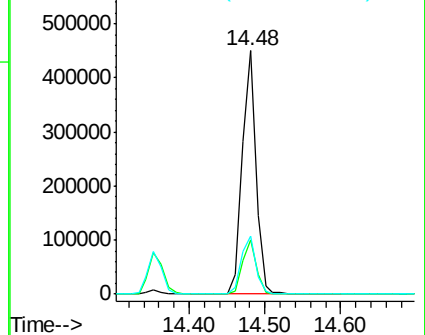
91 24.0 10.7 32.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

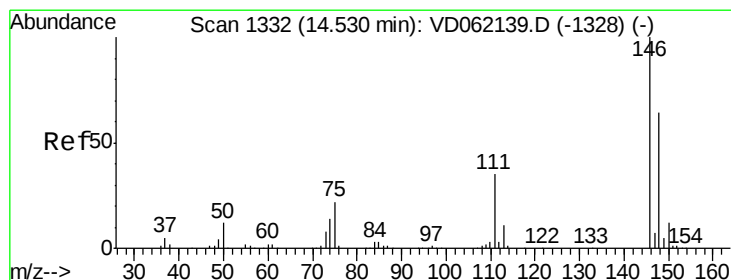
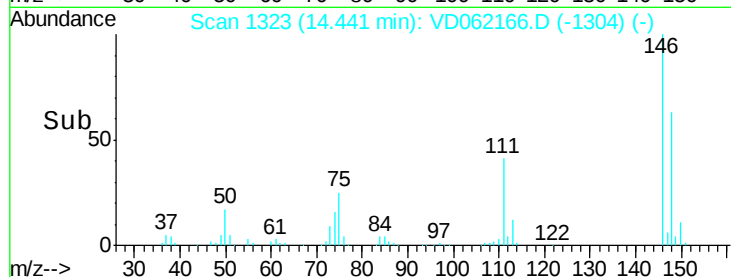
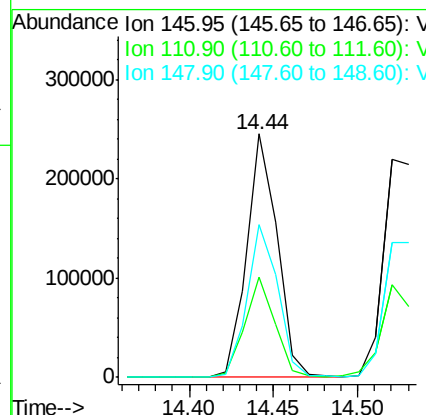
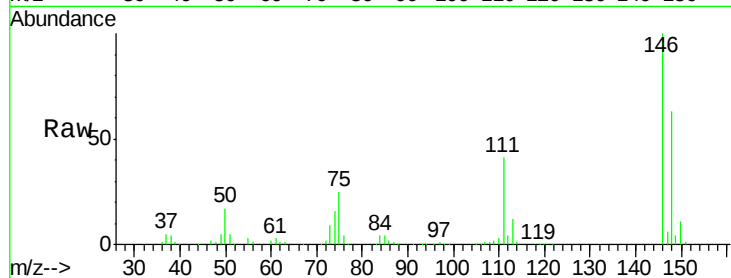




#87
 1,3-Dichlorobenzene
 Concen: 20.123 ug/l
 RT: 14.44 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062166.D
 Acq: 8 May 2019 11:35

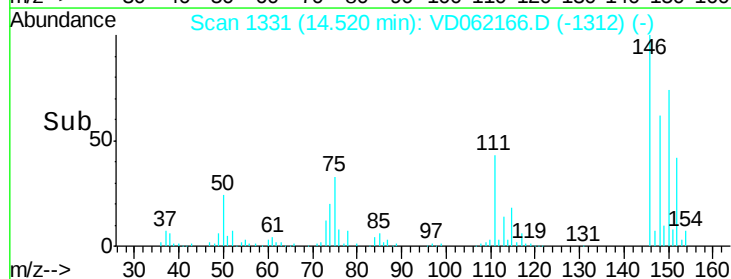
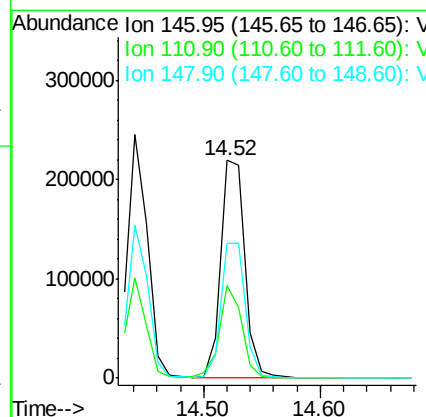
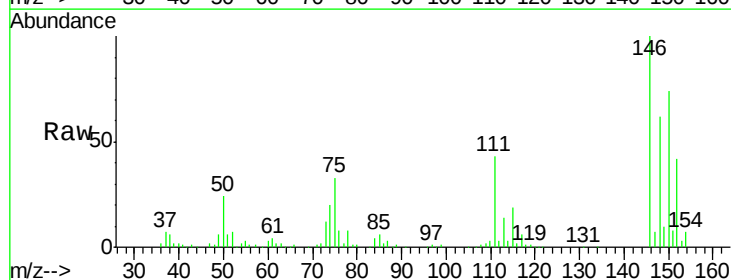
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0508SBS01

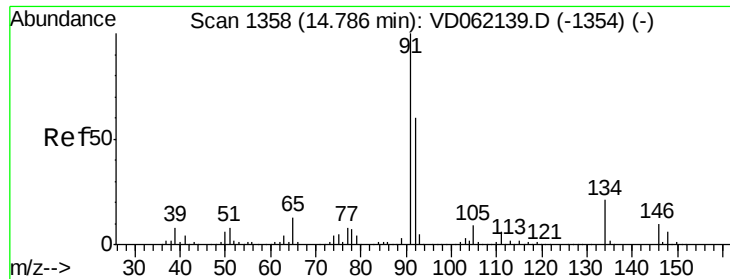
Tot Ion:146 Resp: 308725
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.0 60.0
 148 62.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.993 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062166.D
 Acq: 8 May 2019 11:35

Tgt Ion:146 Resp: 316471
 Ion Ratio Lower Upper
 146 100
 111 42.7 20.2 60.5
 148 61.9 32.0 96.2

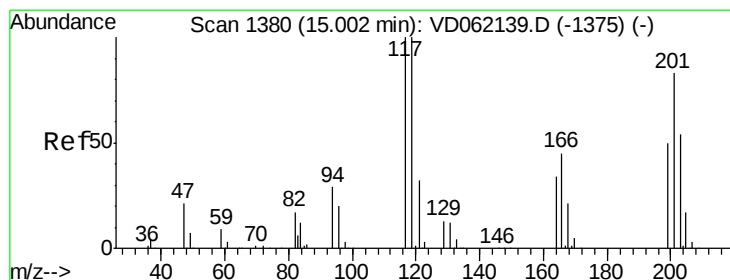
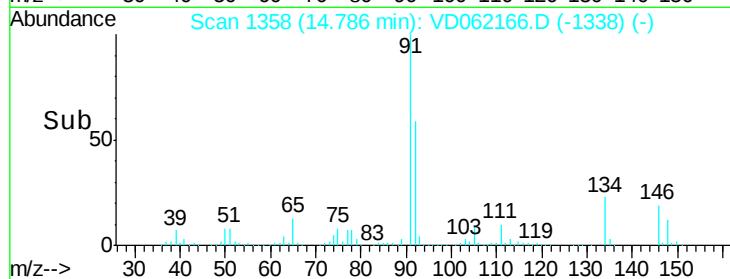
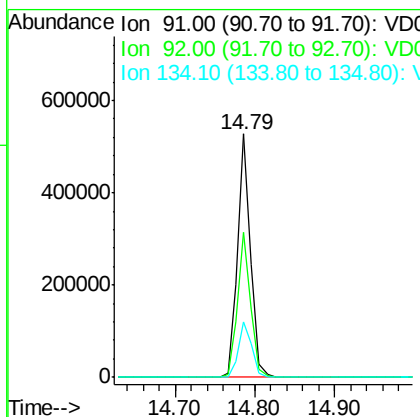
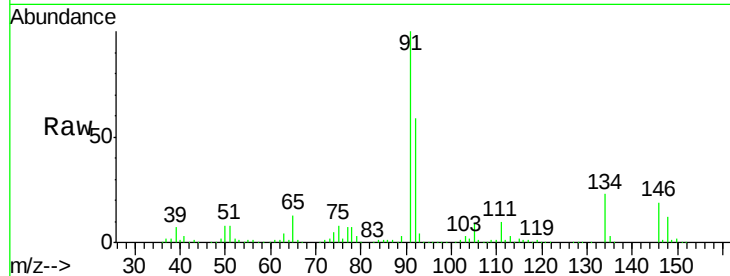




#89
n-Butylbenzene
Concen: 24.243 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

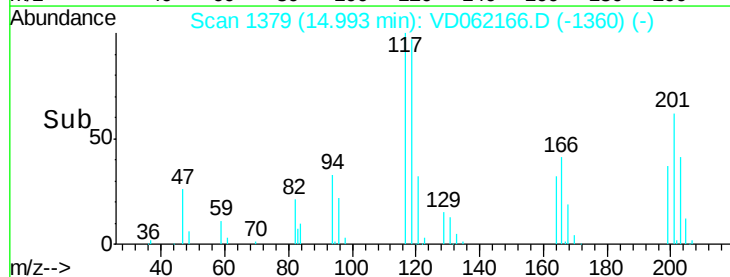
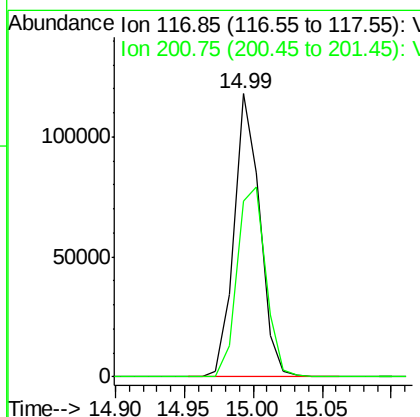
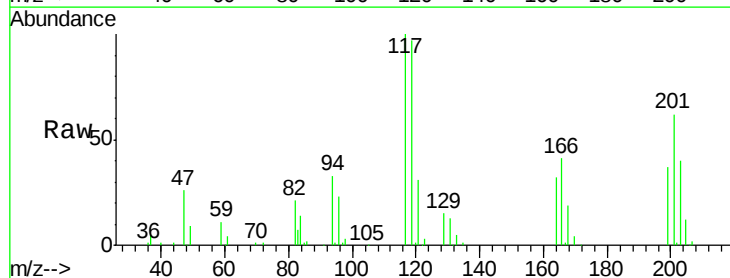
Instrument :
MSVOA_D
ClientSampleId :
VD0508SBS01

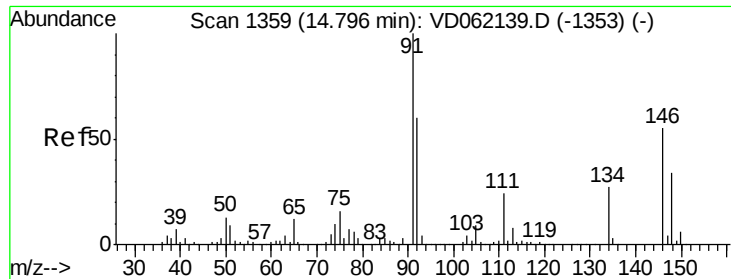
Tot Ion: 91 Resp: 605283
Ion Ratio Lower Upper
91 100
92 59.3 30.3 91.0
134 22.8 14.5 43.6



#90
Hexachloroethane
Concen: 20.306 ug/l
RT: 14.99 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Tgt Ion: 117 Resp: 153606
Ion Ratio Lower Upper
117 100
201 62.2 30.2 90.6

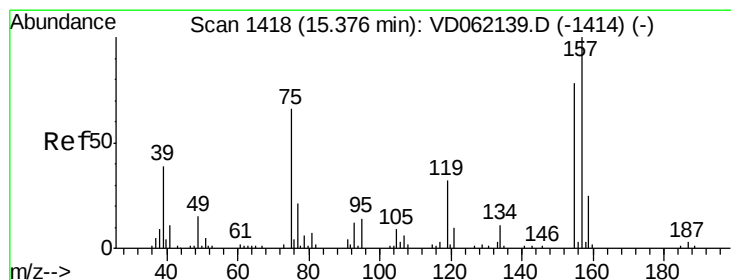
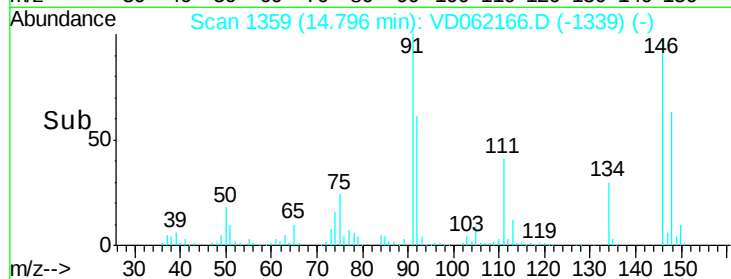
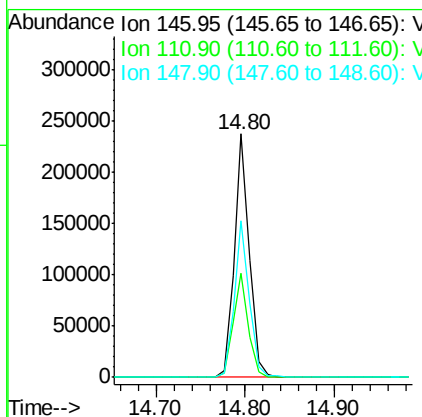
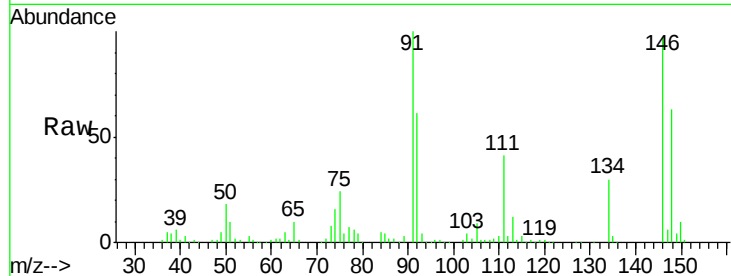




#91
 1,2-Dichlorobenzene
 Concen: 22.392 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD062166.D
 Acq: 8 May 2019 11:35

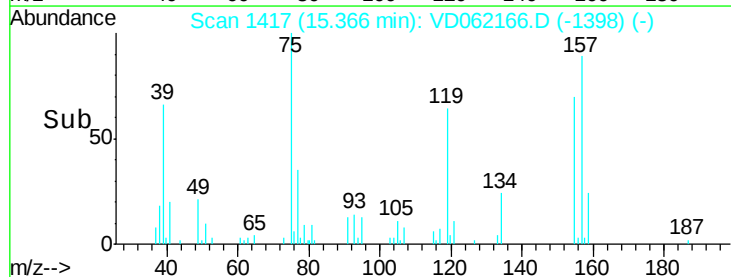
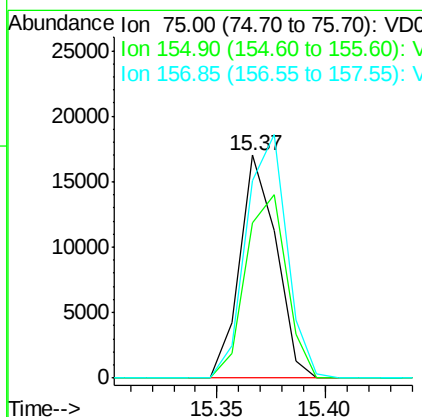
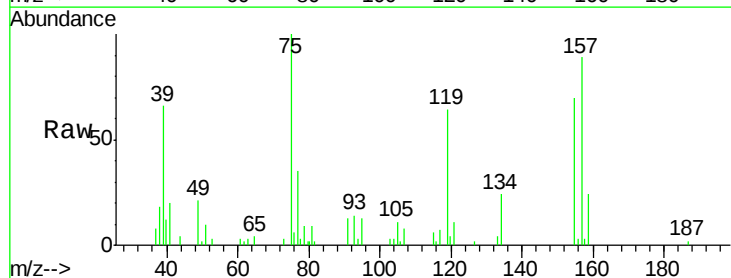
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0508SBS01

Tot Ion:146 Resp: 282931
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.0 59.9
 148 64.5 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.457 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD062166.D
 Acq: 8 May 2019 11:35

Tgt Ion: 75 Resp: 20005
 Ion Ratio Lower Upper
 75 100
 155 69.9 55.3 165.8
 157 88.6 67.8 203.2

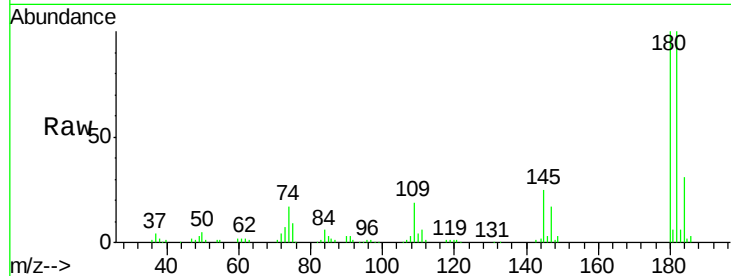




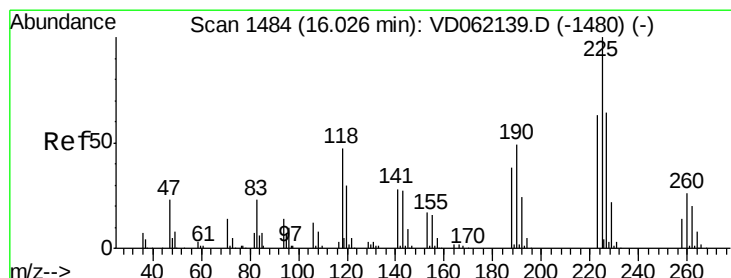
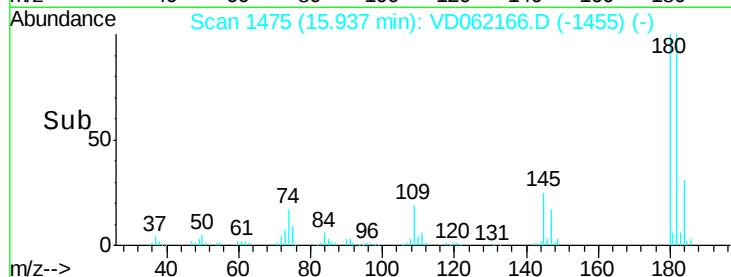
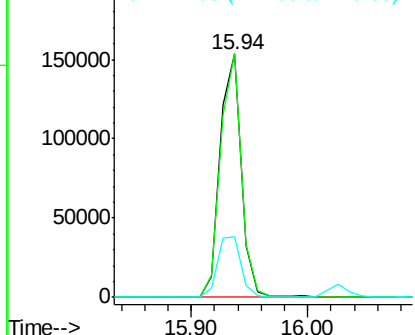
#93
 1,2,4-Trichlorobenzene
 Concen: 21.145 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062166.D
 Acq: 8 May 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0508SBS01

Tot Ion:180 Resp: 194464
 Ion Ratio Lower Upper
 180 100
 182 100.2 49.3 147.8
 145 25.0 16.2 48.6

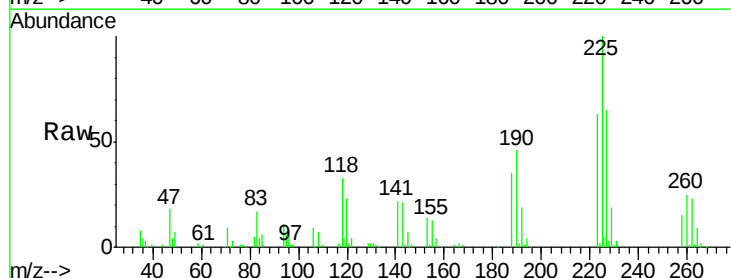


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

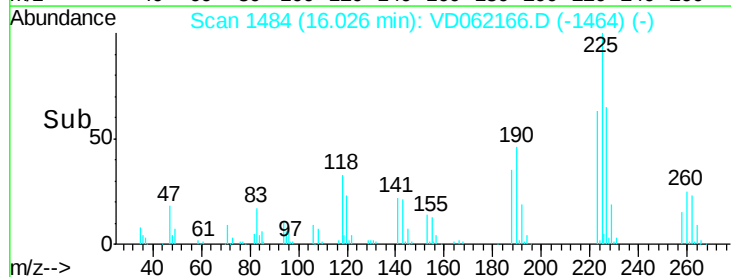
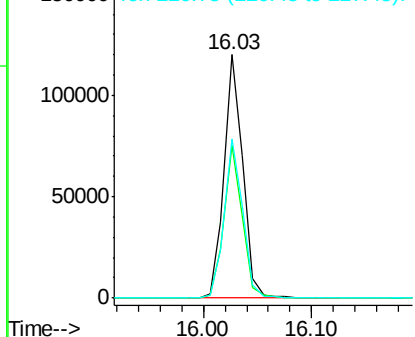


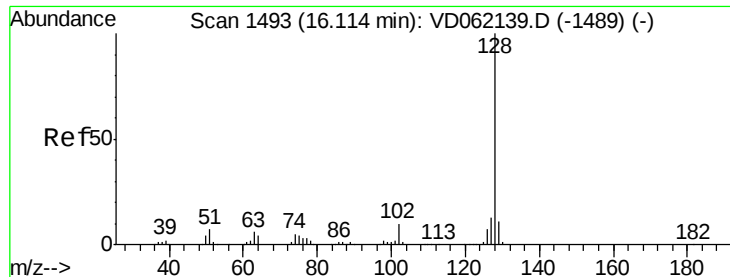
#94
 Hexachlorobutadiene
 Concen: 21.122 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062166.D
 Acq: 8 May 2019 11:35

Tgt Ion:225 Resp: 144477
 Ion Ratio Lower Upper
 225 100
 223 62.6 30.6 92.0
 227 65.4 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

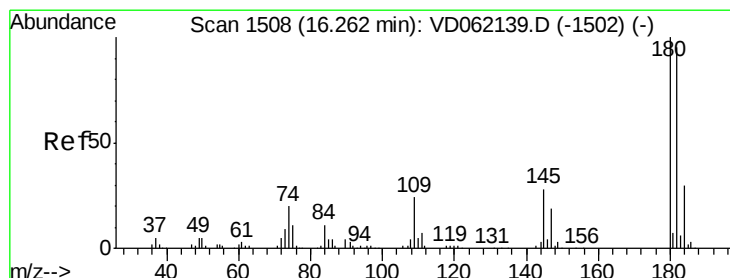
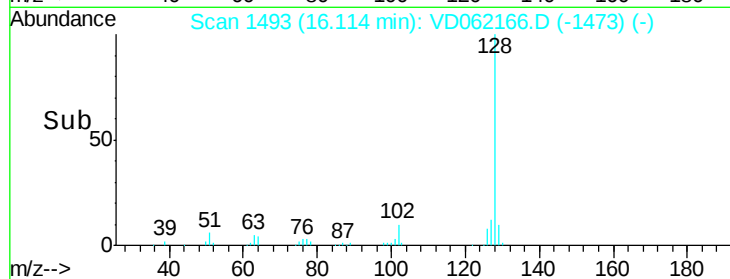
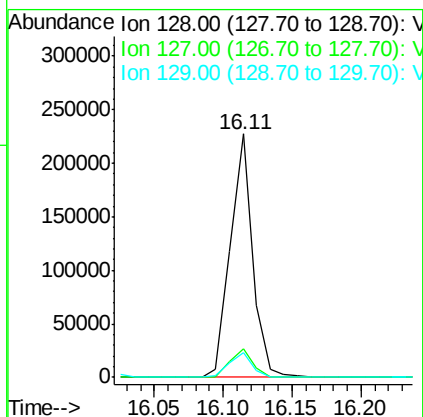
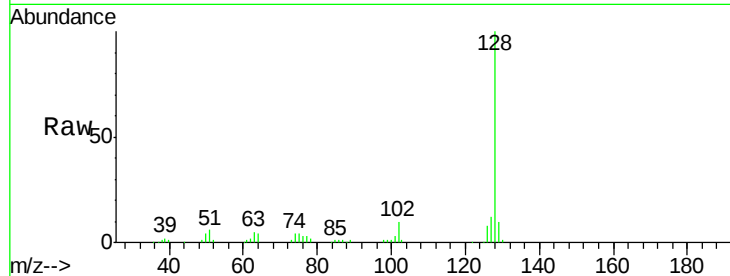




#95
Naphthalene
Concen: 19.947 ug/l
RT: 16.11 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD0508SBS01

Tot Ion:128 Resp: 256119
Ion Ratio Lower Upper
128 100
127 11.7 9.8 14.8
129 10.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 23.032 ug/l
RT: 16.26 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062166.D
Acq: 8 May 2019 11:35

Tgt Ion:180 Resp: 133181
Ion Ratio Lower Upper
180 100
182 90.8 47.0 141.0
145 27.6 17.0 51.0

