

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050719\
 Data File : VD062147.D
 Acq On : 7 May 2019 23:00
 Operator : FY/SY
 Sample : VD0507SBS01
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

Quant Time: May 08 04:32:35 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	698908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	970902	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	902751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	473155	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	350557	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
35) Dibromofluoromethane	6.89	113	456345	56.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.30%	
50) Toluene-d8	10.39	98	1125596	57.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.90%	
62) 4-Bromofluorobenzene	13.54	95	434494	55.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.55	85	131120	19.616	ug/l	96
3) Chloromethane	1.73	50	91336	18.910	ug/l	98
4) Vinyl Chloride	1.83	62	91443	19.264	ug/l	97
5) Bromomethane	2.12	94	25427	22.861	ug/l	98
6) Chloroethane	2.23	64	39104	19.632	ug/l	98
7) Trichlorofluoromethane	2.50	101	186549	20.214	ug/l	97
8) Diethyl Ether	2.84	74	43416	24.393	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.12	101	146469	20.981	ug/l	94
10) Methyl Iodide	3.27	142	187746	17.794	ug/l	89
11) Tert butyl alcohol	4.04	59	38070	114.829	ug/l	96
12) 1,1-Dichloroethene	3.10	96	115677	21.707	ug/l	98
13) Acrolein	3.01	56	38675	112.785	ug/l	95
14) Allyl chloride	3.59	41	164656	21.250	ug/l	91
15) Acrylonitrile	4.16	53	111010	127.389	ug/l	95
16) Acetone	3.19	43	131088	96.241	ug/l	90
17) Carbon Disulfide	3.35	76	281803	18.382	ug/l	100
18) Methyl Acetate	3.61	43	56662	23.096	ug/l	98
19) Methyl tert-butyl Ether	4.21	73	261701	22.911	ug/l	95
20) Methylene Chloride	3.79	84	179651	31.589	ug/l	98
21) trans-1,2-Dichloroethene	4.18	96	126728	21.371	ug/l	96
22) Diisopropyl ether	5.08	45	362771	22.001	ug/l	98
23) Vinyl Acetate	5.02	43	979185	112.557	ug/l	100
24) 1,1-Dichloroethane	4.95	63	203527	20.461	ug/l	97
25) 2-Butanone	6.03	43	160370	107.942	ug/l	94
26) 2,2-Dichloropropane	5.99	77	175674	17.730	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	136140	20.510	ug/l	91
28) Bromochloromethane	6.40	49	95959	24.520	ug/l	94
29) Tetrahydrofuran	6.42	42	78927	115.298	ug/l	96
30) Chloroform	6.63	83	261159	21.785	ug/l	97
31) Cyclohexane	6.92	56	139937	20.535	ug/l	97
32) 1,1,1-Trichloroethane	6.84	97	242469	21.399	ug/l	98
36) 1,1-Dichloropropene	7.12	75	152700	19.182	ug/l	96
37) Ethyl Acetate	6.15	43	77994	23.103	ug/l #	92
38) Carbon Tetrachloride	7.08	117	226332	20.542	ug/l	98

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 Misc : 5.00µ/5mL/MSVOA D/SOIL
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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	157441	20.642	ug/l	96
40) Benzene	7.43	78	361791	20.127	ug/l	97
41) Methacrylonitrile	6.42	41	94711	22.957	ug/l #	80
42) 1,2-Dichloroethane	7.54	62	157588	20.692	ug/l	93
43) Isopropyl Acetate	9.22	43	109310	22.831	ug/l	99
44) Trichloroethene	8.52	130	145777	21.282	ug/l	99
45) 1,2-Dichloropropane	8.91	63	100856	22.683	ug/l	99
46) Dibromomethane	9.04	93	77908	21.547	ug/l	89
47) Bromodichloromethane	9.35	83	187871	21.243	ug/l	100
48) Methyl methacrylate	9.09	41	65568	22.233	ug/l	94
49) 1,4-Dioxane	9.05	88	15250	479.267	ug/l #	85
51) 4-Methyl-2-Pentanone	10.28	43	363745	118.189	ug/l	95
52) Toluene	10.49	92	268165	22.928	ug/l	99
53) t-1,3-Dichloropropene	10.89	75	153305	20.056	ug/l	100
54) cis-1,3-Dichloropropene	10.01	75	172652	20.705	ug/l	94
55) 1,1,2-Trichloroethane	11.17	97	93348	22.558	ug/l	97
56) Ethyl methacrylate	11.02	69	94443	21.962	ug/l #	91
57) 1,3-Dichloropropane	11.38	76	133633	21.375	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.84	63	261129	111.169	ug/l	93
59) 2-Hexanone	11.51	43	248395	109.505	ug/l	92
60) Dibromochloromethane	11.67	129	160671	22.466	ug/l	99
61) 1,2-Dibromoethane	11.79	107	110852	22.033	ug/l	99
64) Tetrachloroethene	11.23	164	136495	19.336	ug/l	95
65) Chlorobenzene	12.39	112	341376	20.303	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.49	131	142337	19.451	ug/l	98
67) Ethyl Benzene	12.50	91	548467	19.484	ug/l	98
68) m/p-Xylenes	12.65	106	372376	36.360	ug/l	94
69) o-Xylene	13.04	106	191697	20.134	ug/l	96
70) Styrene	13.06	104	322114	19.971	ug/l	99
71) Bromoform	13.22	173	101416	19.920	ug/l	97
73) Isopropylbenzene	13.39	105	519978	18.333	ug/l	96
74) N-amyl acetate	13.25	43	138253	18.592	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	108548	20.216	ug/l	96
76) 1,2,3-Trichloropropane	13.72	75	108723	19.335	ug/l	93
77) Bromobenzene	13.66	156	154087	19.407	ug/l	94
78) n-propylbenzene	13.76	91	661793	19.561	ug/l	98
79) 2-Chlorotoluene	13.83	91	360021	18.580	ug/l	99
80) 1,3,5-Trimethylbenzene	13.92	105	423058	17.713	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.46	75	28754	18.114	ug/l #	86
82) 4-Chlorotoluene	13.93	91	436752	19.154	ug/l	85
83) tert-Butylbenzene	14.18	119	538369	20.055	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	473846	19.771	ug/l	96
85) sec-Butylbenzene	14.35	105	502749	17.081	ug/l	95
86) p-Isopropyltoluene	14.48	119	494721	18.813	ug/l	96
87) 1,3-Dichlorobenzene	14.44	146	275848	19.019	ug/l	99
88) 1,4-Dichlorobenzene	14.52	146	277603	19.479	ug/l	100
89) n-Butylbenzene	14.79	91	441549	18.707	ug/l	94
90) Hexachloroethane	14.99	117	132711	18.558	ug/l	97
91) 1,2-Dichlorobenzene	14.80	146	237943	19.920	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	17526	19.885	ug/l	75

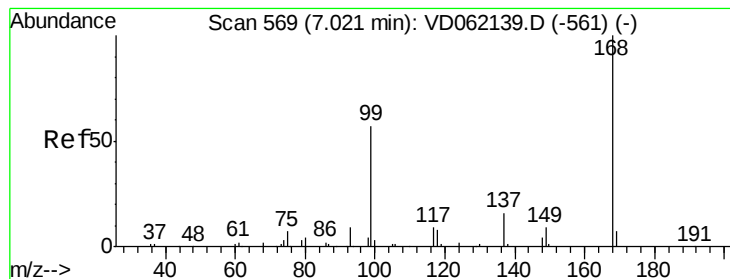
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050719\
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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	173402	19.945	ug/l	94
94) Hexachlorobutadiene	16.03	225	123169	19.047	ug/l	98
95) Naphthalene	16.12	128	252088	20.768	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	124229	22.726	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: VD062147.D

Acq: 7 May 2019 23:00

Instrument :

MSVOA_D

ClientSampleId :

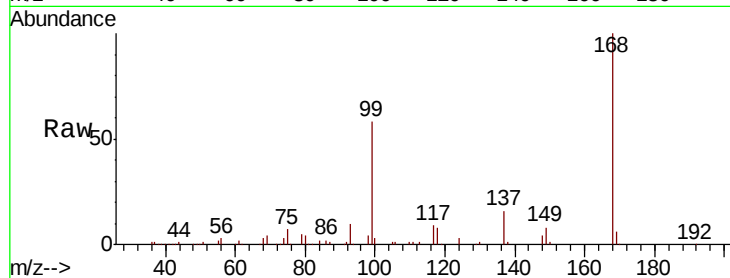
VD0507SBS01

Tot Ion:168 Resp: 698908

Ion Ratio Lower Upper

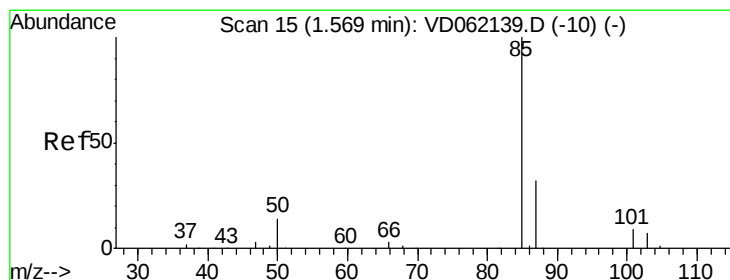
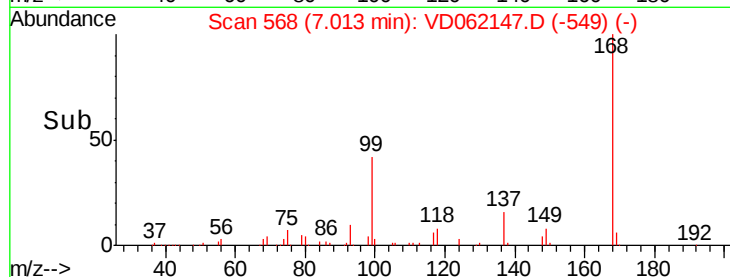
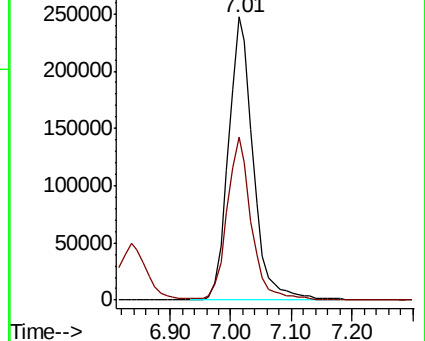
168 100

99 57.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.616 ug/l

RT: 1.55 min Scan# 13

Delta R.T. -0.02 min

Lab File: VD062147.D

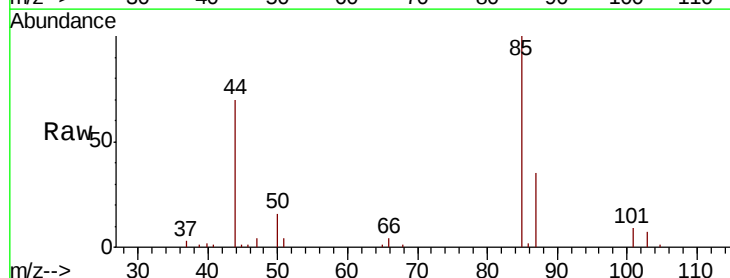
Acq: 7 May 2019 23:00

Tgt Ion: 85 Resp: 131120

Ion Ratio Lower Upper

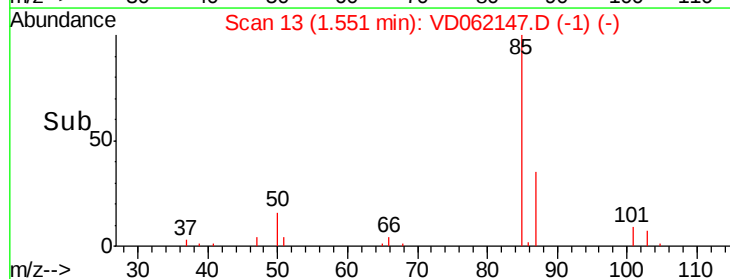
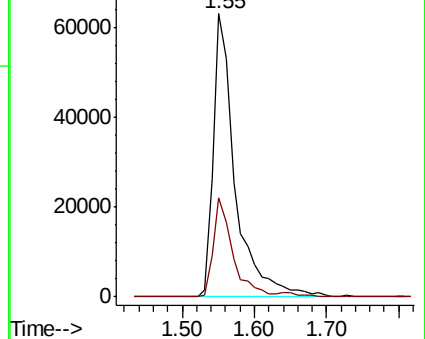
85 100

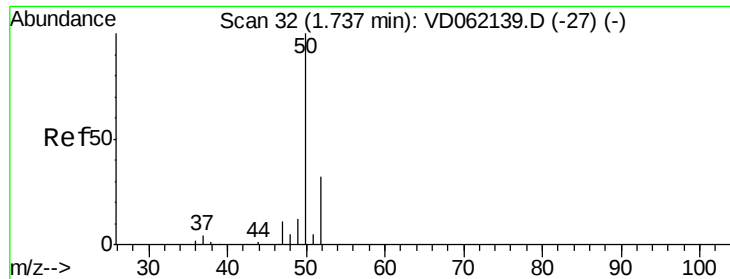
87 34.9 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.910 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

Instrument :

MSVOA_D

ClientSampleId :

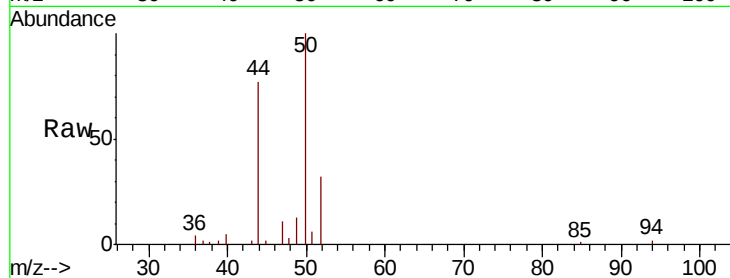
VD0507SBS01

Tot Ion: 50 Resp: 91336

Ion Ratio Lower Upper

50 100

52 32.4 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.73

25000

20000

15000

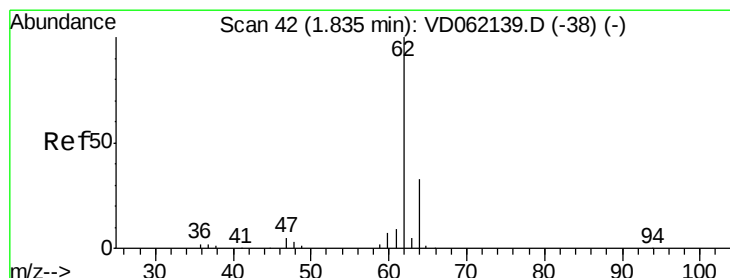
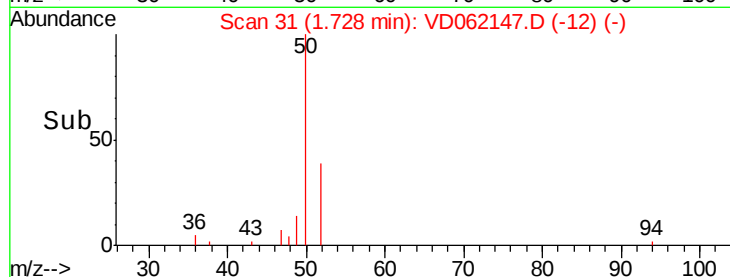
10000

5000

0

Time-->

1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 19.264 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.01 min

Lab File: VD062147.D

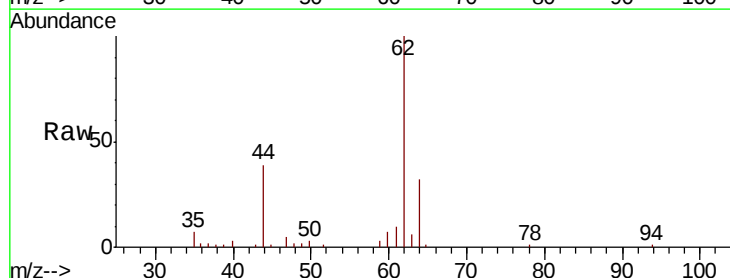
Acq: 7 May 2019 23:00

Tgt Ion: 62 Resp: 91443

Ion Ratio Lower Upper

62 100

64 31.6 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.83

50000

40000

30000

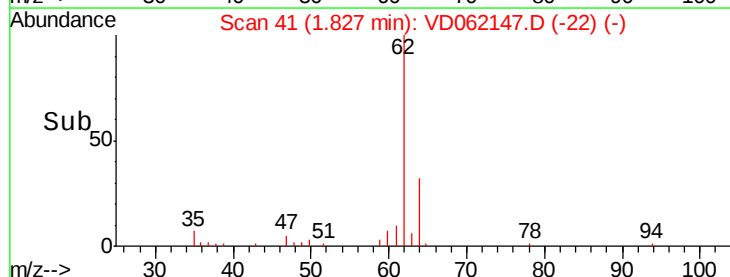
20000

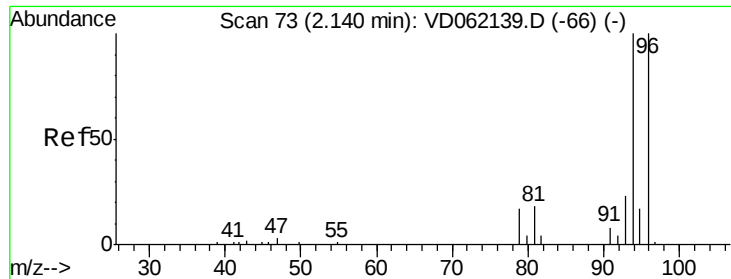
10000

0

Time-->

1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 22.861 ug/l

RT: 2.12 min Scan# 71

Delta R.T. -0.02 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

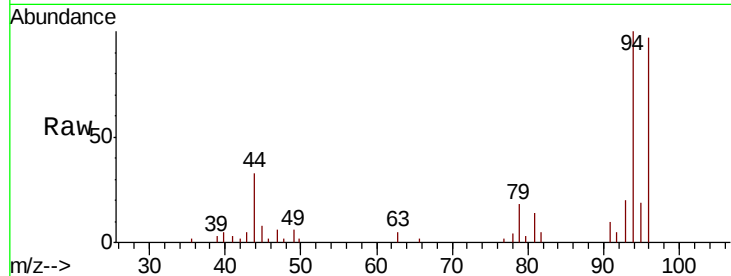
Tot Ion: 94 Resp: 25427

Ion Ratio Lower Upper

94 100

96 96.8 76.6 115.0

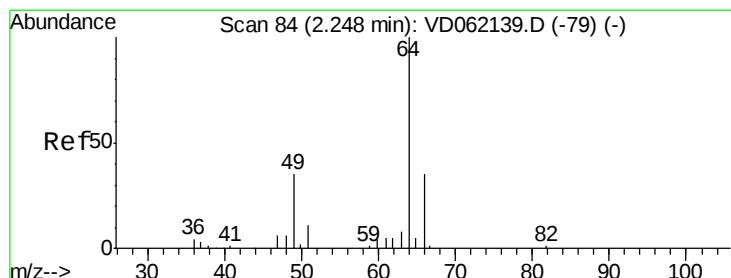
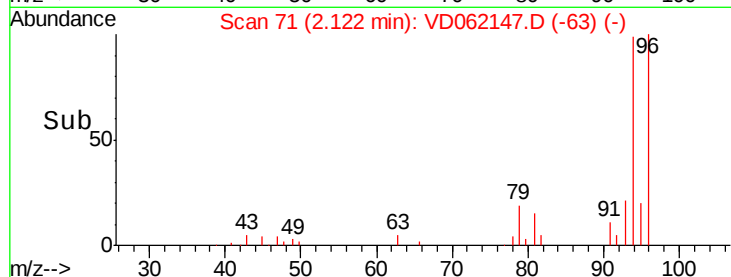
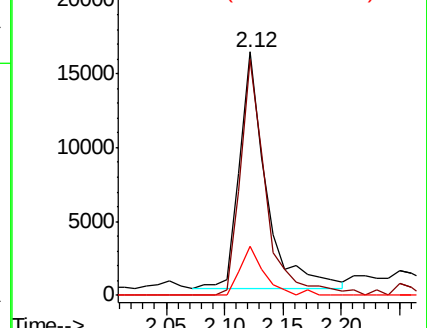
93 20.0 18.5 27.7



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: 19.632 ug/l

RT: 2.23 min Scan# 82

Delta R.T. -0.02 min

Lab File: VD062147.D

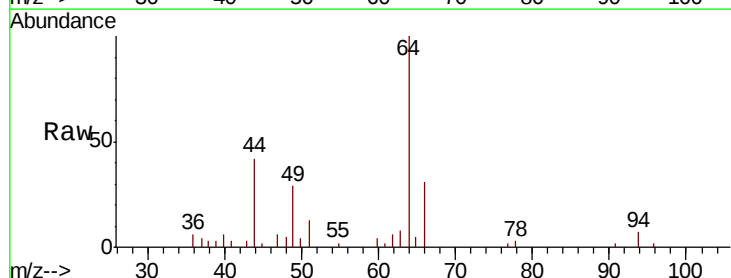
Acq: 7 May 2019 23:00

Tgt Ion: 64 Resp: 39104

Ion Ratio Lower Upper

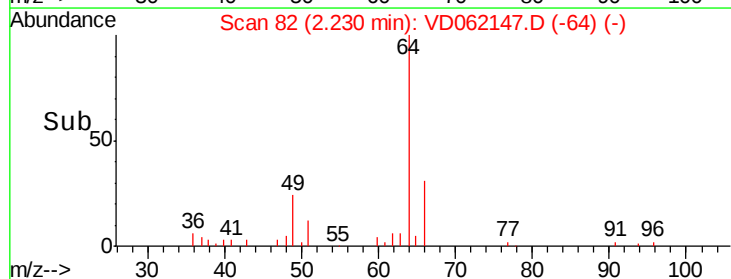
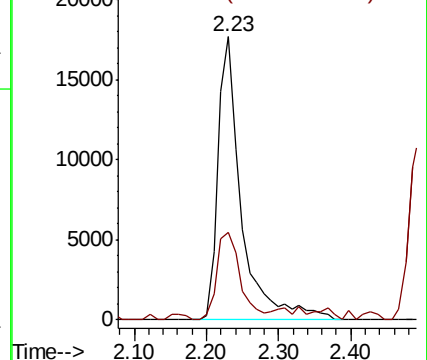
64 100

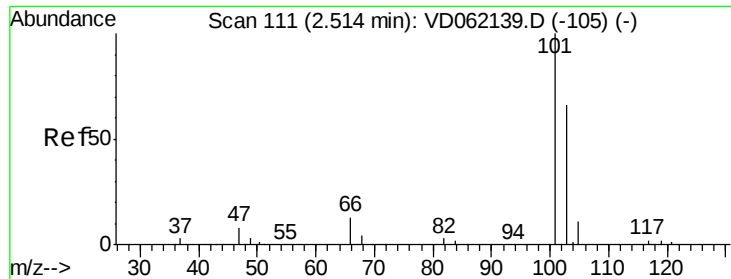
66 30.9 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



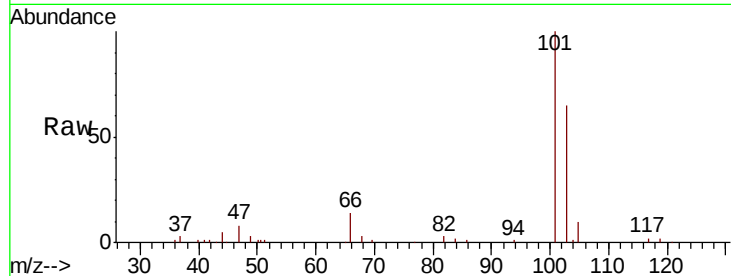


#7

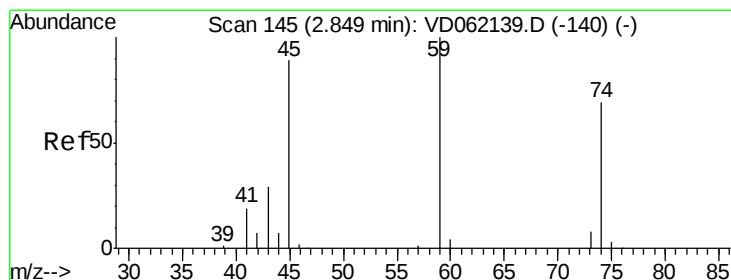
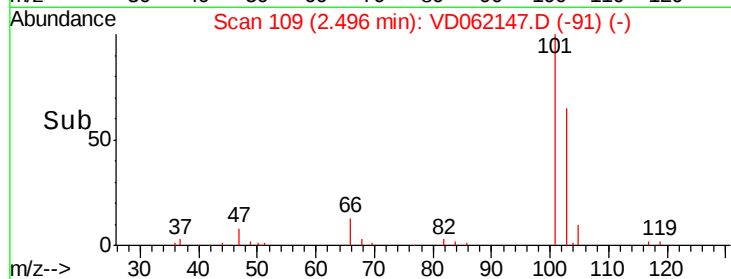
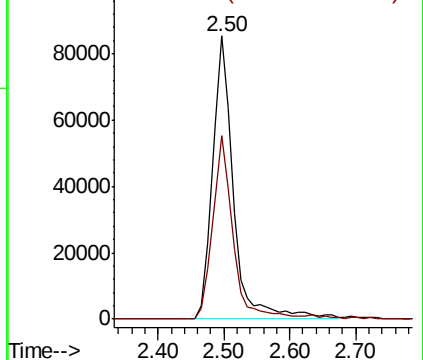
Trichlorofluoromethane
 Concen: 20.214 ug/l
 RT: 2.50 min Scan# 109
 Delta R.T. -0.02 min
 Lab File: VD062147.D
 Acq: 7 May 2019 23:00

Instrument :
 MSVOA_D
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 VD0507SBS01

Tot Ion:101 Resp: 186549
 Ion Ratio Lower Upper
 101 100
 103 65.0 53.6 80.4



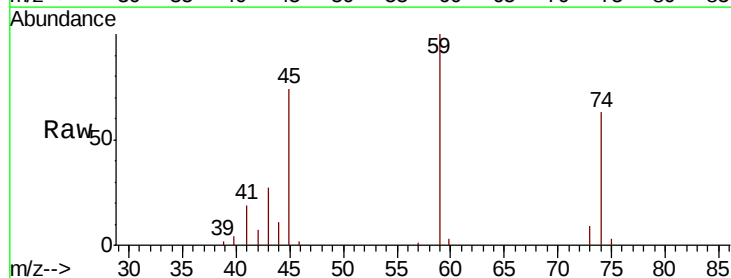
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



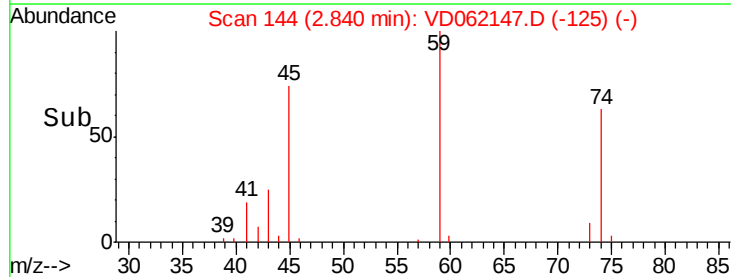
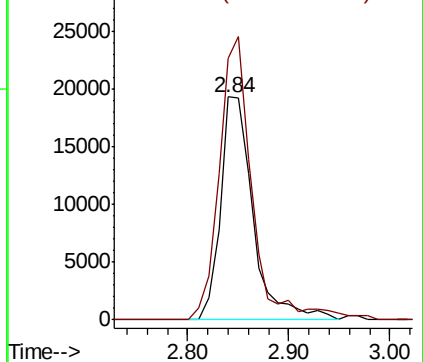
#8

Diethyl Ether
 Concen: 24.393 ug/l
 RT: 2.84 min Scan# 144
 Delta R.T. -0.01 min
 Lab File: VD062147.D
 Acq: 7 May 2019 23:00

Tgt Ion: 74 Resp: 43416
 Ion Ratio Lower Upper
 74 100
 45 117.2 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.981 ug/l

RT: 3.12 min Scan# 172

Delta R.T. -0.02 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

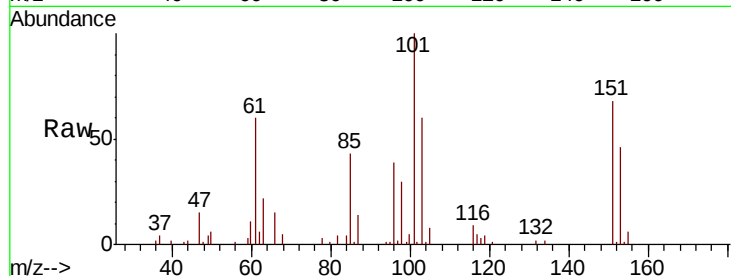
Tot Ion:101 Resp: 146469

Ion Ratio Lower Upper

101 100

85 42.6 32.4 48.6

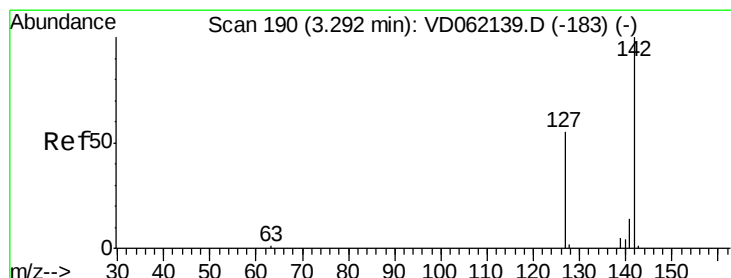
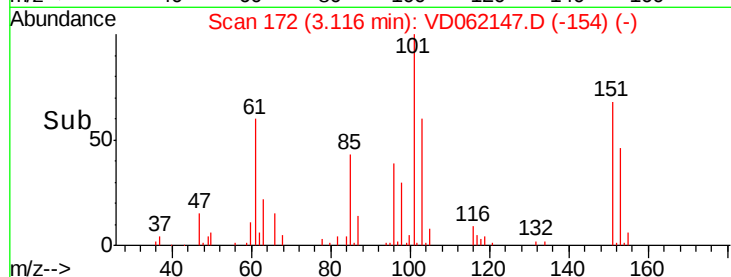
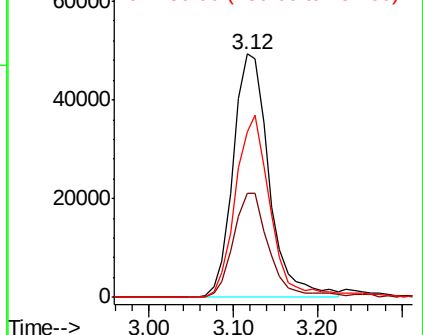
151 68.1 59.4 89.0



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: 17.794 ug/l

RT: 3.27 min Scan# 188

Delta R.T. -0.02 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

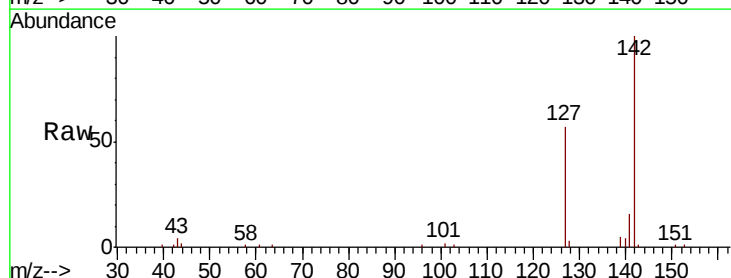
Tgt Ion:142 Resp: 187746

Ion Ratio Lower Upper

142 100

127 57.5 38.8 58.2

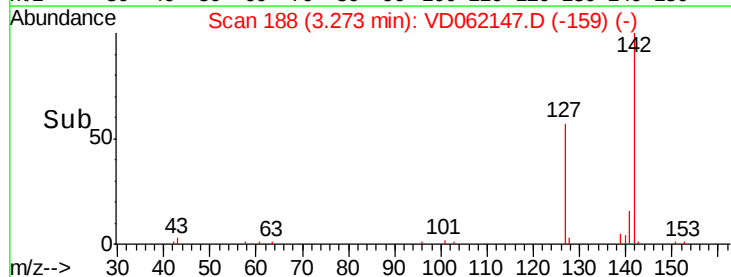
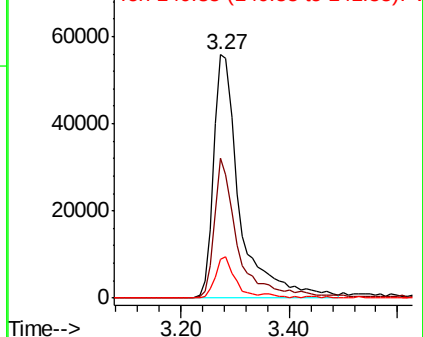
141 16.1 11.4 17.0



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



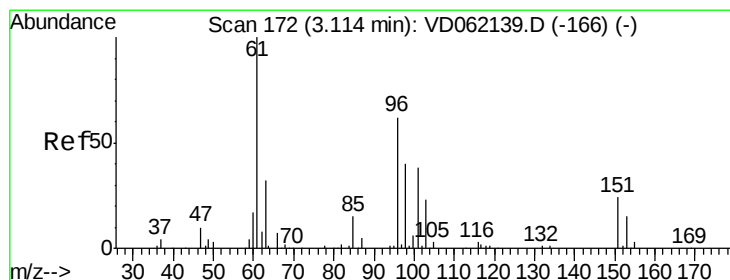
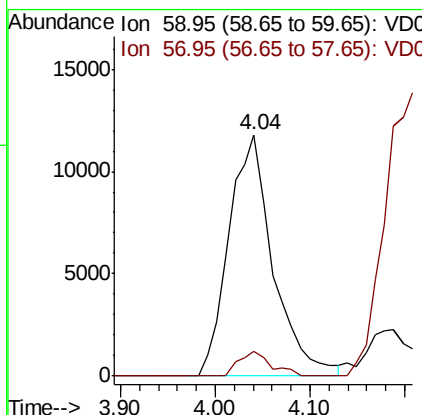
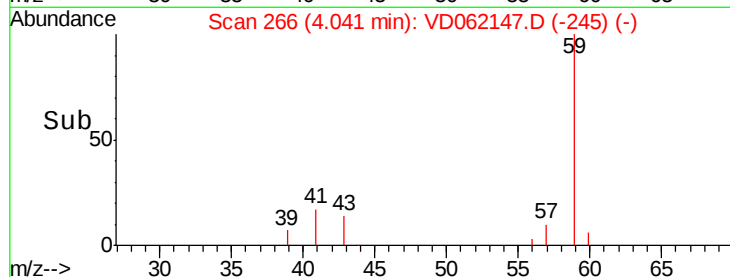
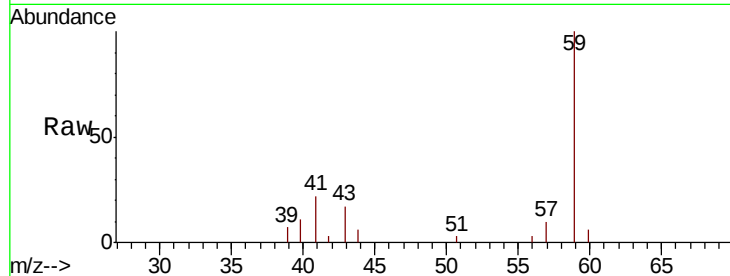


#11

Tert butyl alcohol
 Concen: 114.829 ug/l
 RT: 4.04 min Scan# 266
 Delta R.T. 0.01 min
 Lab File: VD062147.D
 Acq: 7 May 2019 23:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

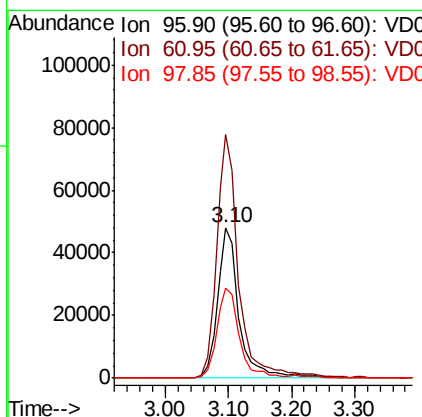
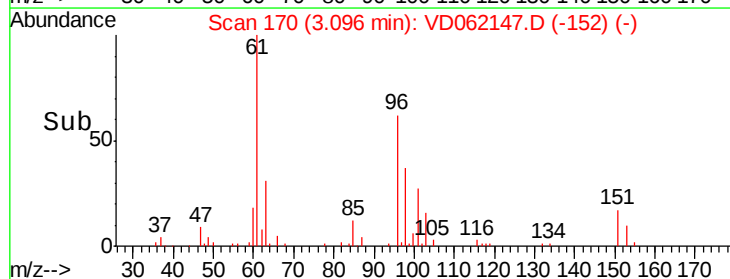
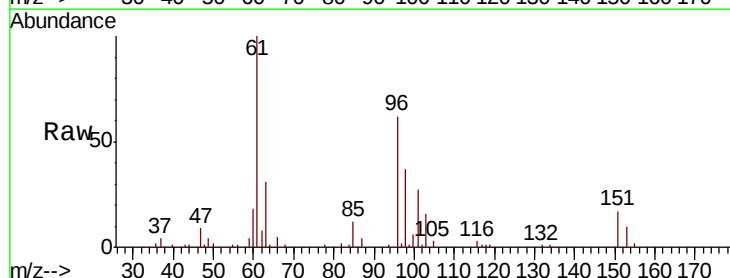
Tot Ion: 59 Resp: 38070
 Ion Ratio Lower Upper
 59 100
 57 10.1 6.9 10.3

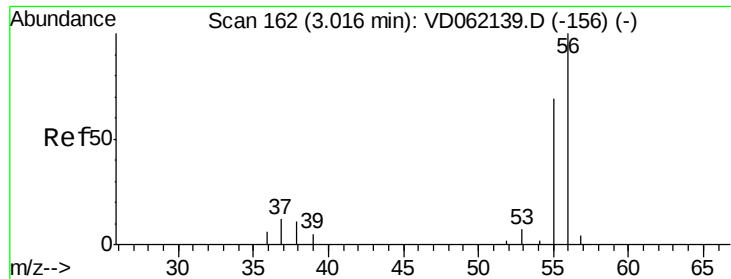


#12

1,1-Dichloroethene
 Concen: 21.707 ug/l
 RT: 3.10 min Scan# 170
 Delta R.T. -0.02 min
 Lab File: VD062147.D
 Acq: 7 May 2019 23:00

Tgt Ion: 96 Resp: 115677
 Ion Ratio Lower Upper
 96 100
 61 161.6 129.8 194.8
 98 59.9 51.2 76.8





#13

Acrolein

Concen: 112.785 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.01 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

Instrument :

MSVOA_D

ClientSampleId :

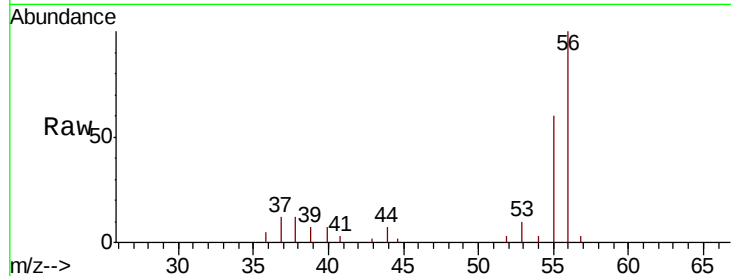
VD0507SBS01

Tot Ion: 56 Resp: 38675

Ion Ratio Lower Upper

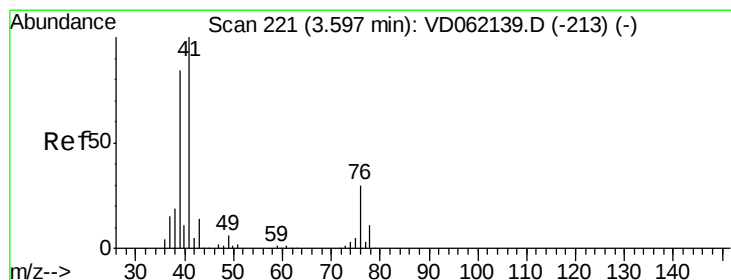
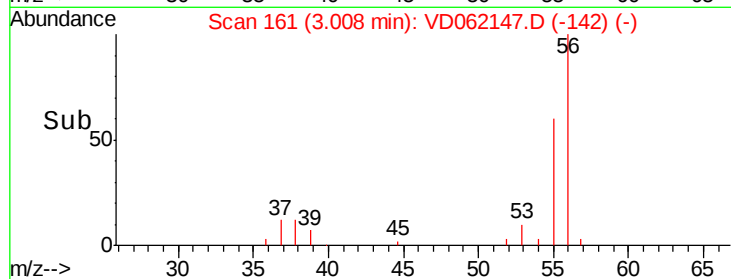
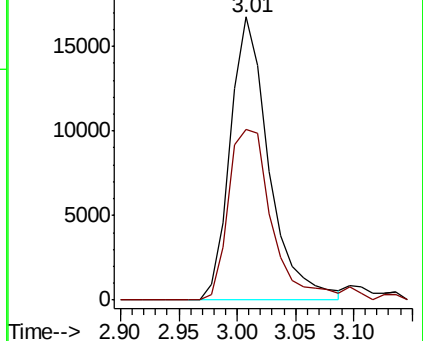
56 100

55 60.3 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: 21.250 ug/l

RT: 3.59 min Scan# 220

Delta R.T. -0.01 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

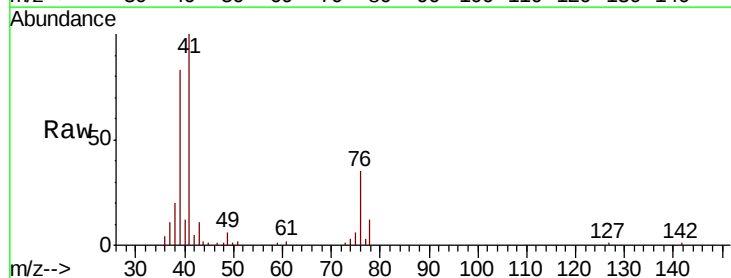
Tgt Ion: 41 Resp: 164656

Ion Ratio Lower Upper

41 100

39 83.5 60.5 90.7

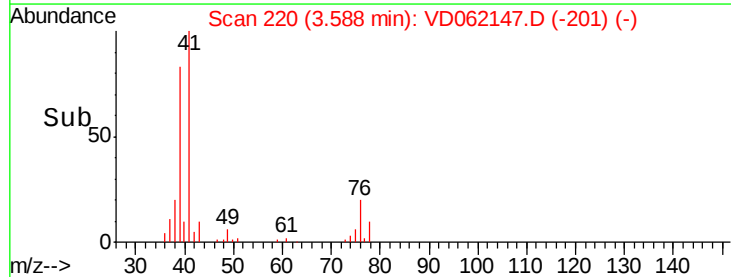
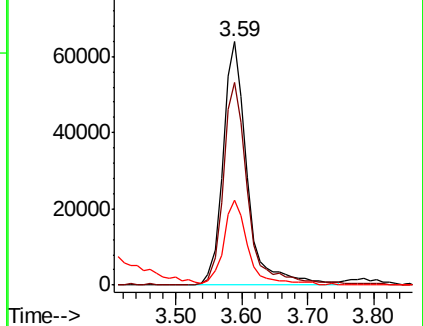
76 35.0 31.8 47.8

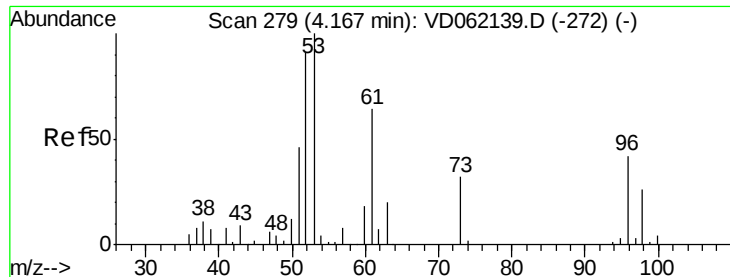


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 127.389 ug/l

RT: 4.16 min Scan# 278

Delta R.T. -0.01 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

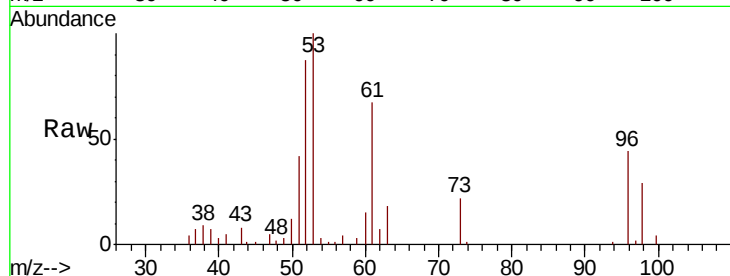
Tot Ion: 53 Resp: 111010

Ion Ratio Lower Upper

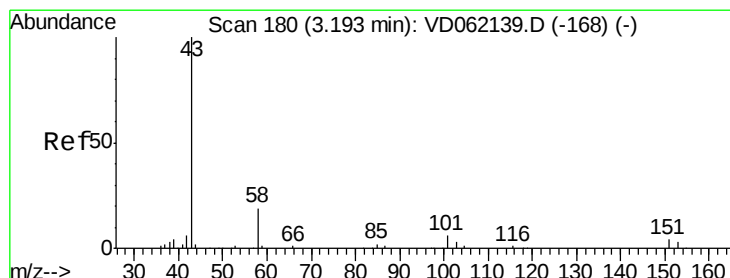
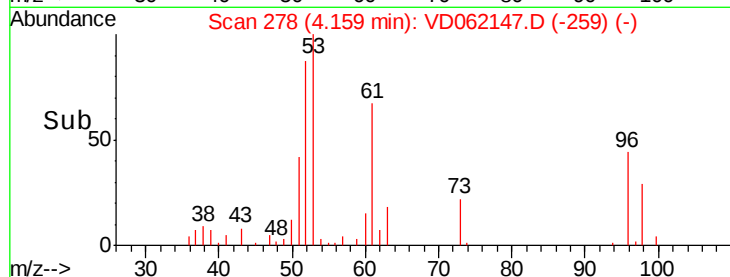
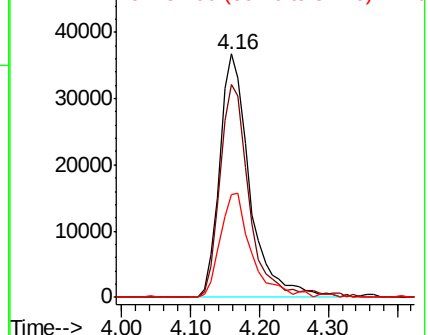
53 100

52 87.4 65.0 97.4

51 42.1 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: 96.241 ug/l

RT: 3.19 min Scan# 180

Delta R.T. 0.00 min

Lab File: VD062147.D

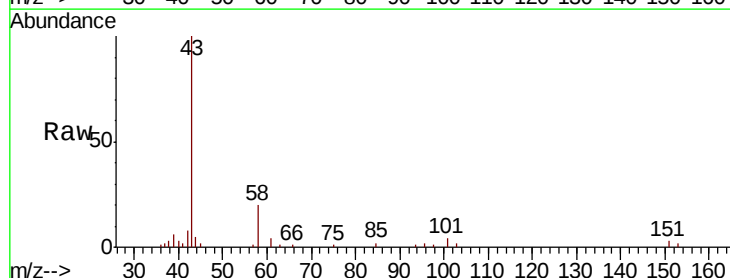
Acq: 7 May 2019 23:00

Tgt Ion: 43 Resp: 131088

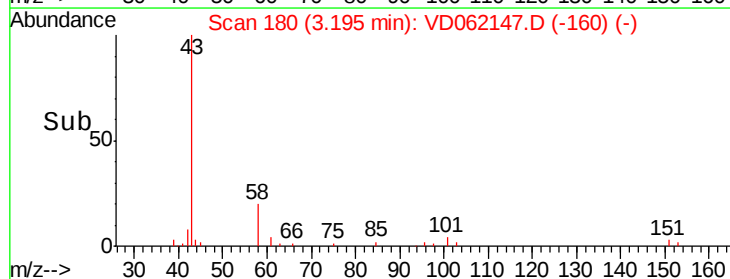
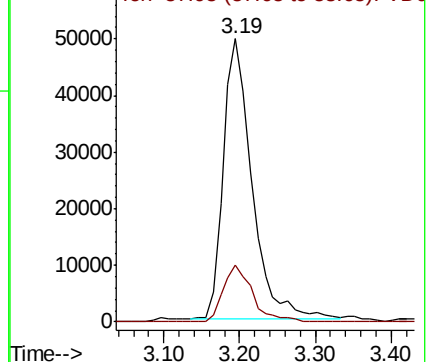
Ion Ratio Lower Upper

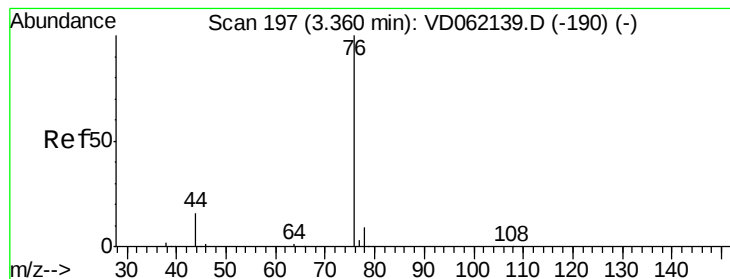
43 100

58 20.1 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: 18.382 ug/l

RT: 3.35 min Scan# 196

Delta R.T. -0.01 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

Instrument :

MSVOA_D

ClientSampleId :

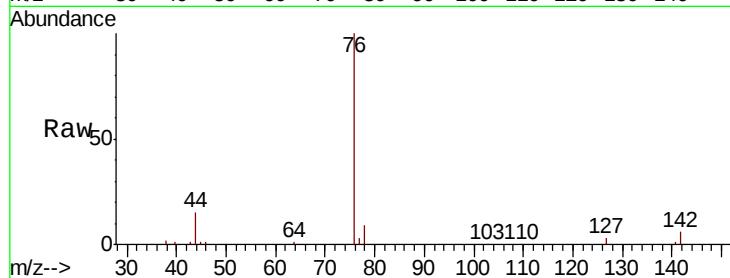
VD0507SBS01

Tot Ion: 76 Resp: 281803

Ion Ratio Lower Upper

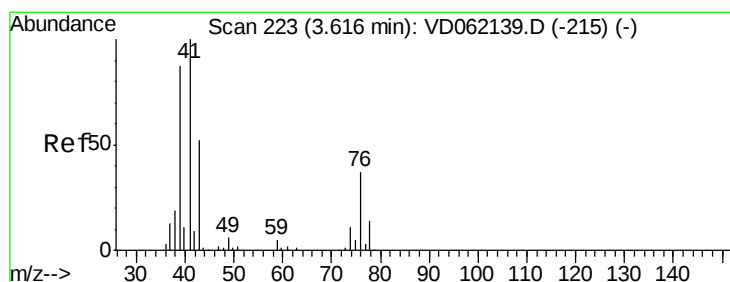
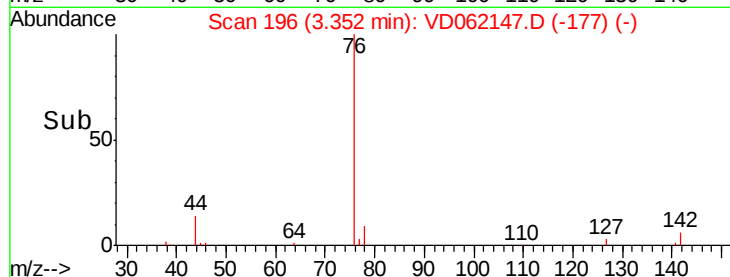
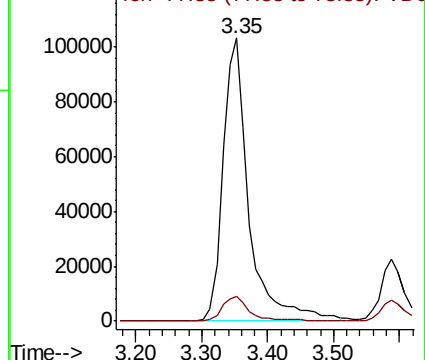
76 100

78 8.9 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 23.096 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD062147.D

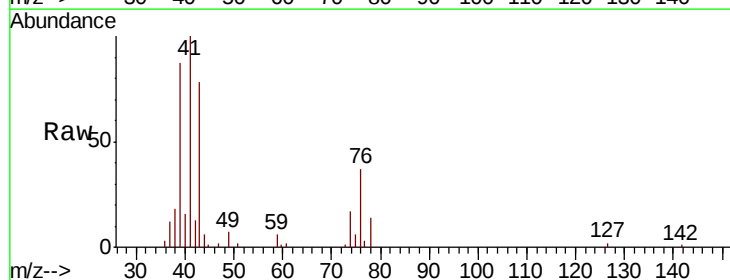
Acq: 7 May 2019 23:00

Tgt Ion: 43 Resp: 56662

Ion Ratio Lower Upper

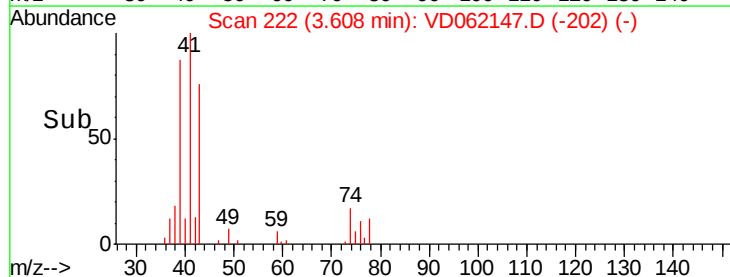
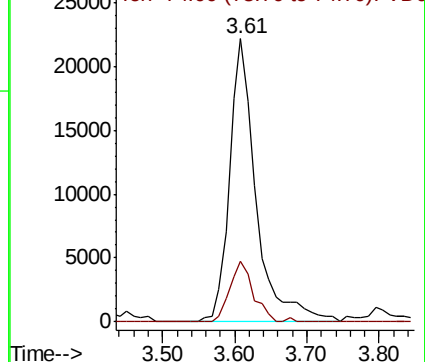
43 100

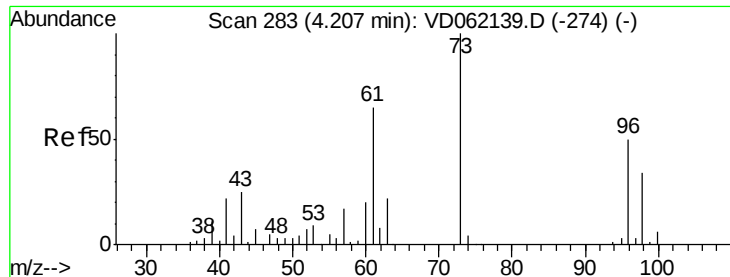
74 21.5 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

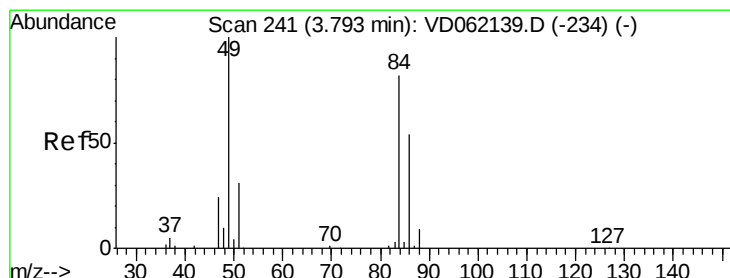
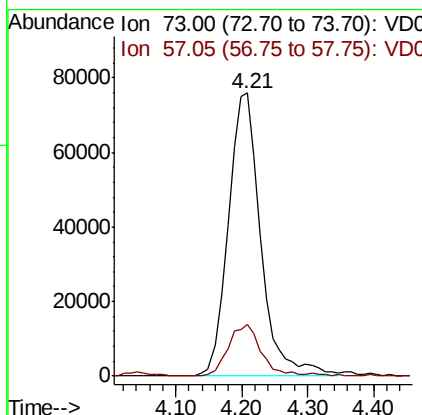
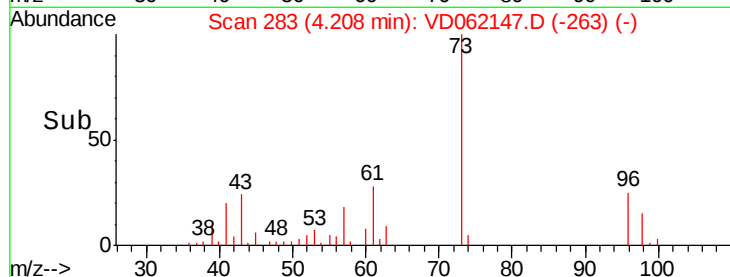
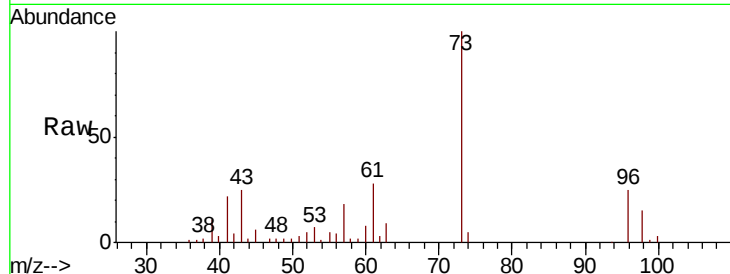




#19
Methvl tert-butvl Ether
Concen: 22.911 ug/l
RT: 4.21 min Scan# 283
Delta R.T. 0.00 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

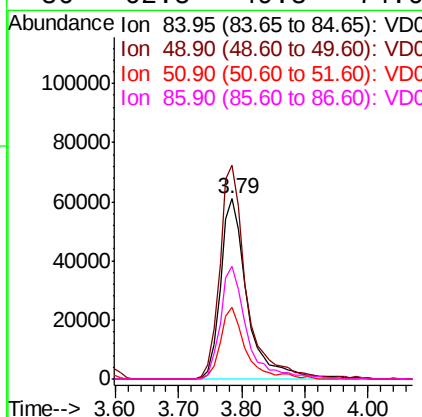
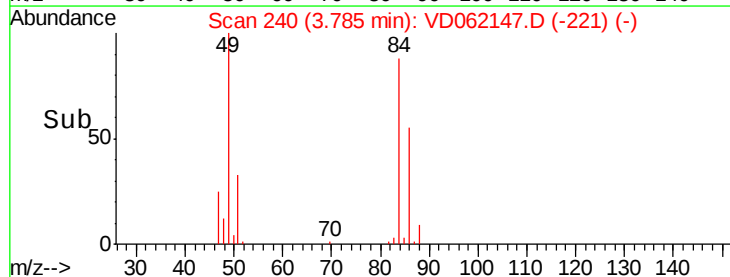
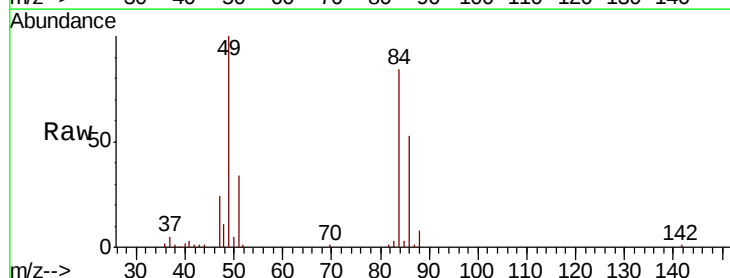
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

Tot Ion: 73 Resp: 261701
Ion Ratio Lower Upper
73 100
57 18.2 16.3 24.5



#20
Methylene Chloride
Concen: 31.589 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.01 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

Tgt Ion: 84 Resp: 179651
Ion Ratio Lower Upper
84 100
49 118.7 94.0 141.0
51 39.8 29.0 43.4
86 62.5 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 21.371 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.02 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

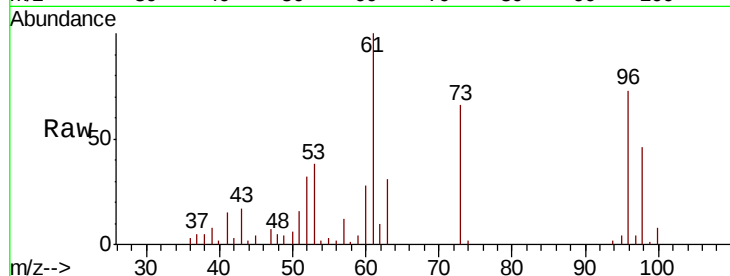
Tot Ion: 96 Resp: 126728

Ion Ratio Lower Upper

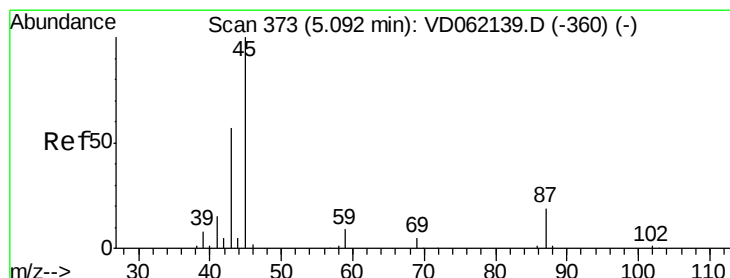
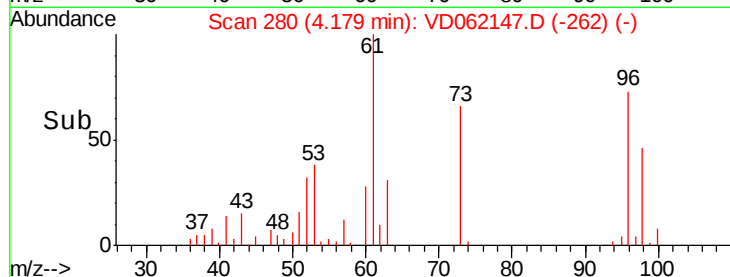
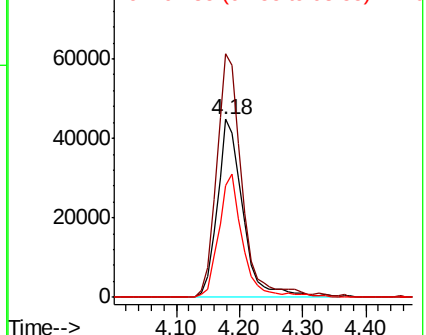
96 100

61 136.7 104.4 156.6

98 62.8 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: 22.001 ug/l

RT: 5.08 min Scan# 372

Delta R.T. -0.01 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

Tgt Ion: 45 Resp: 362771

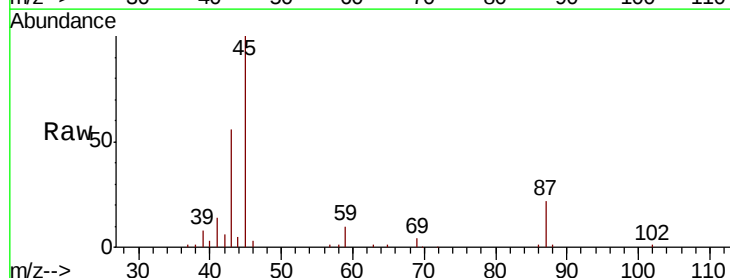
Ion Ratio Lower Upper

45 100

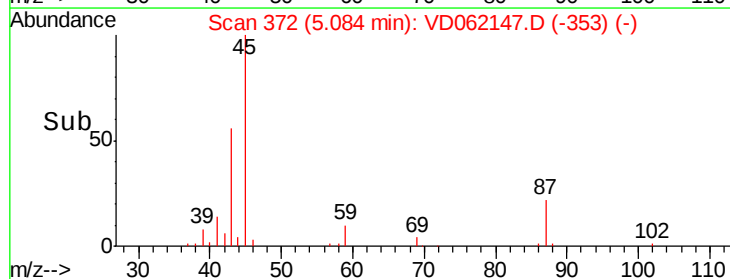
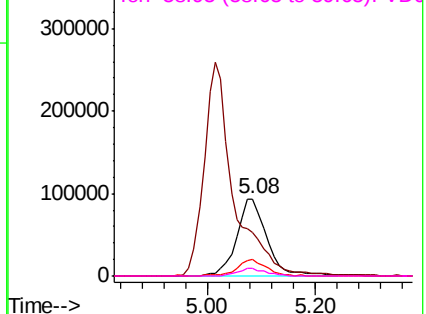
43 56.3 46.2 69.2

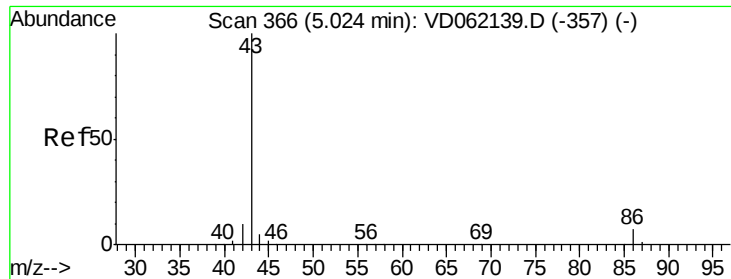
87 21.7 15.9 23.9

59 9.7 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: 112.557 ug/l

RT: 5.02 min Scan# 365

Delta R.T. -0.01 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

Instrument :

MSVOA_D

ClientSampleId :

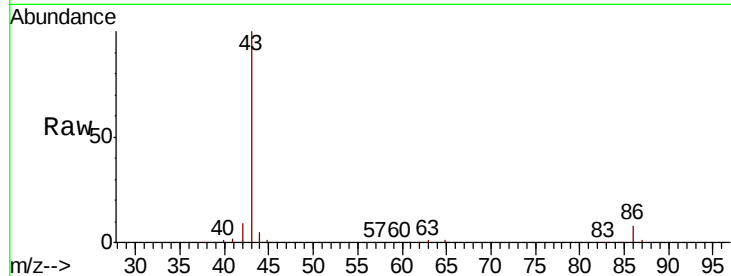
VD0507SBS01

Tot Ion: 43 Resp: 979185

Ion Ratio Lower Upper

43 100

86 8.1 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.02

250000

200000

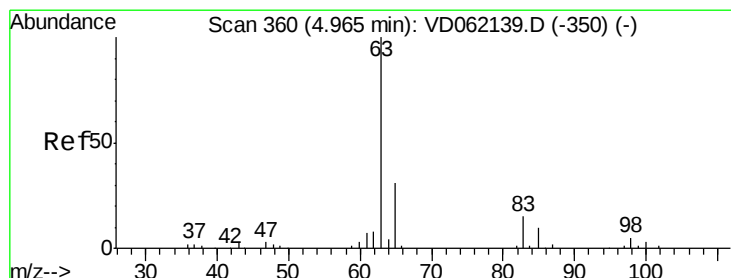
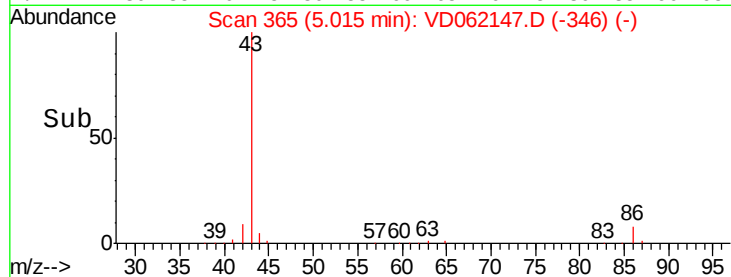
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.461 ug/l

RT: 4.95 min Scan# 358

Delta R.T. -0.02 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

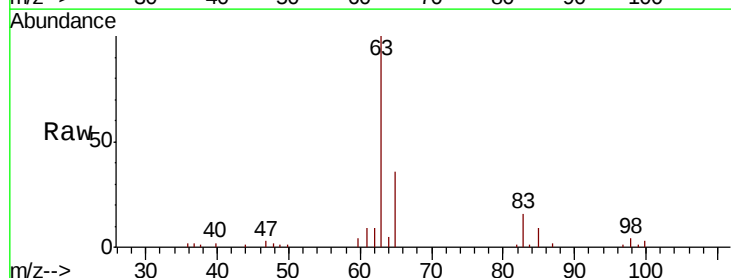
Tgt Ion: 63 Resp: 203527

Ion Ratio Lower Upper

63 100

98 4.2 2.8 8.4

100 3.4 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

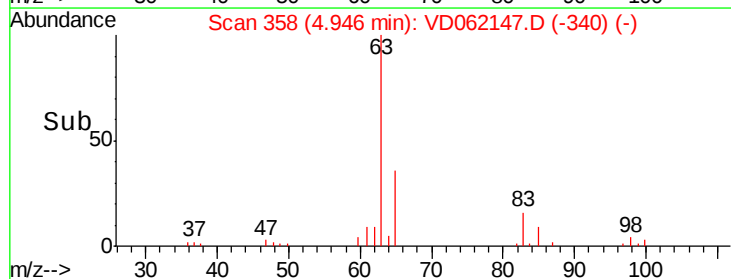
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 107.942 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

Instrument :

MSVOA_D

ClientSampleId :

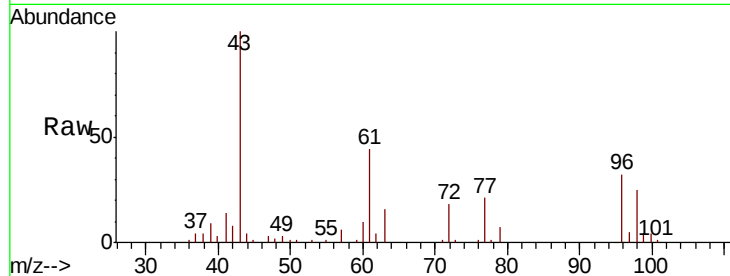
VD0507SBS01

Tot Ion: 43 Resp: 160370

Ion Ratio Lower Upper

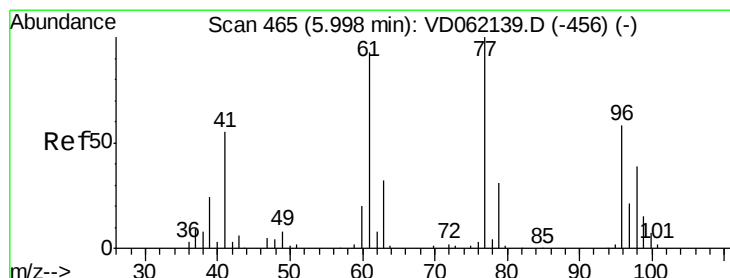
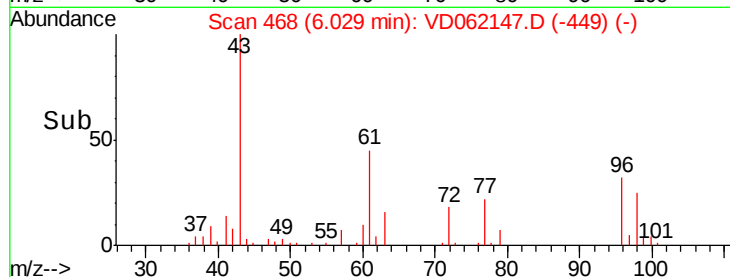
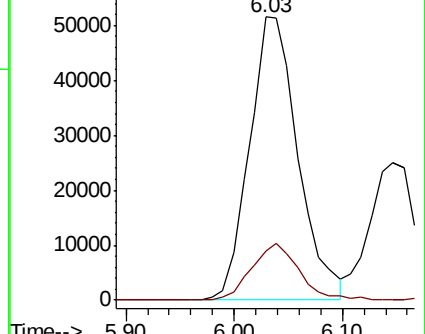
43 100

72 17.5 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: 17.730 ug/l

RT: 5.99 min Scan# 464

Delta R.T. -0.01 min

Lab File: VD062147.D

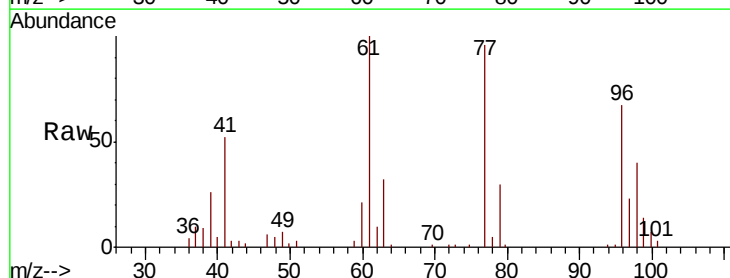
Acq: 7 May 2019 23:00

Tgt Ion: 77 Resp: 175674

Ion Ratio Lower Upper

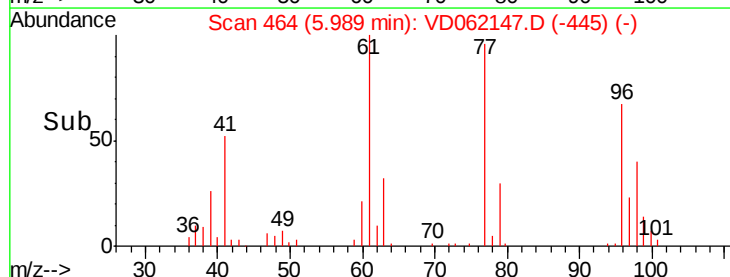
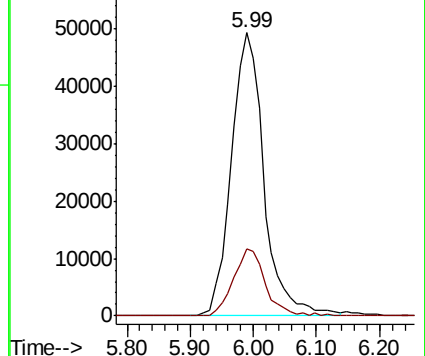
77 100

97 23.5 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



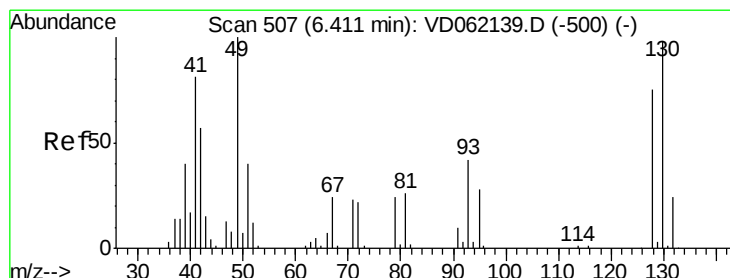
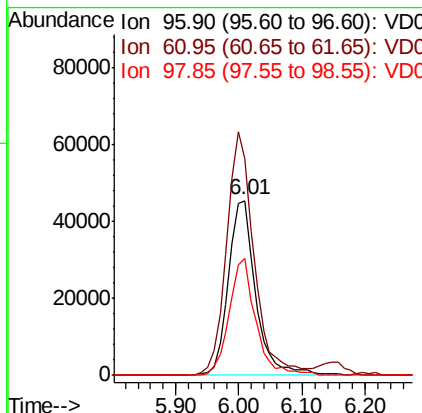
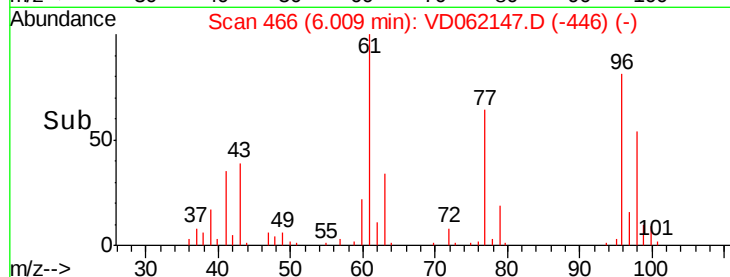
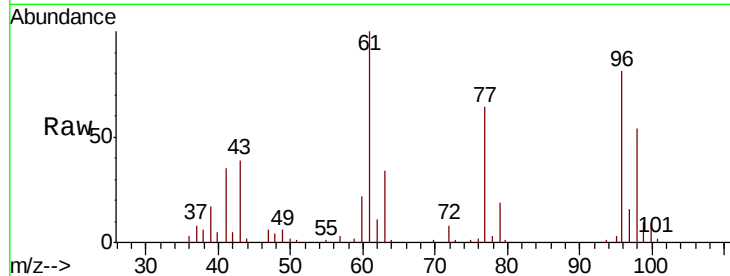


#27

cis-1,2-Dichloroethene
Concen: 20.510 ug/l
RT: 6.01 min Scan# 466
Delta R.T. 0.00 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

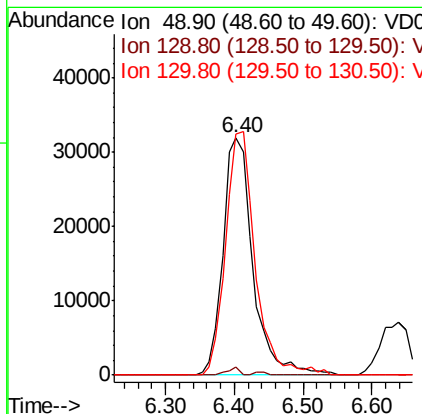
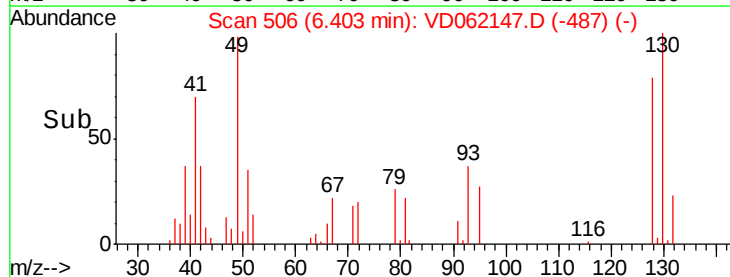
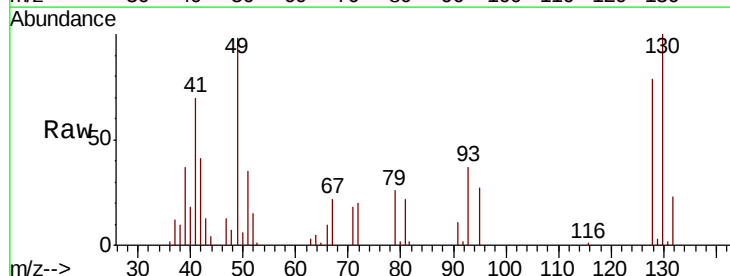
Tot Ion: 96 Resp: 136140
Ion Ratio Lower Upper
96 100
61 123.9 0.0 279.8
98 66.8 0.0 136.0

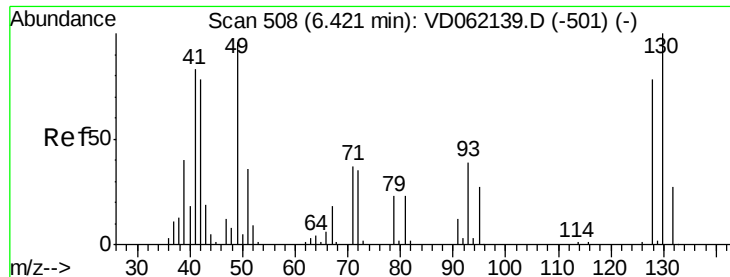


#28

Bromochloromethane
Concen: 24.520 ug/l
RT: 6.40 min Scan# 506
Delta R.T. -0.01 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

Tgt Ion: 49 Resp: 95959
Ion Ratio Lower Upper
49 100
129 3.4 0.0 6.6
130 101.6 86.7 130.1

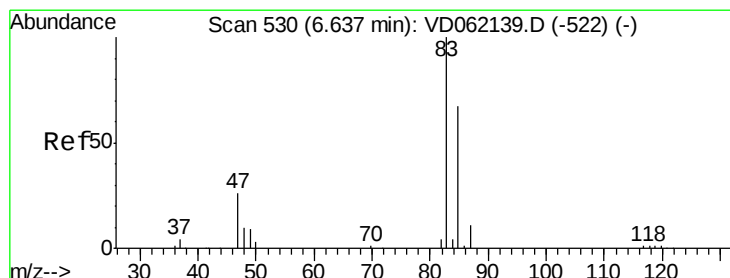
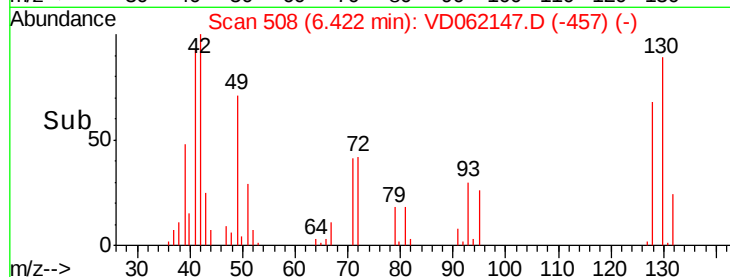
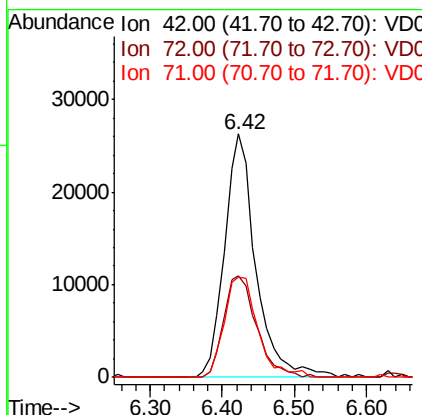
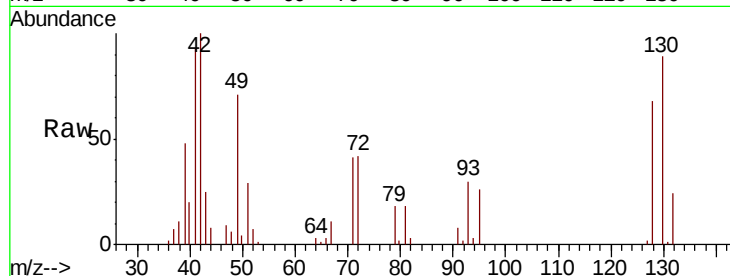




#29
Tetrahydrofuran
Concen: 115.298 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

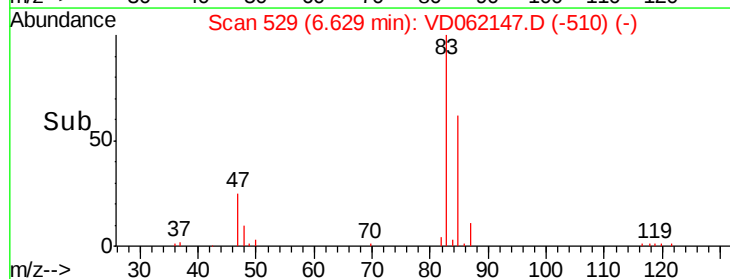
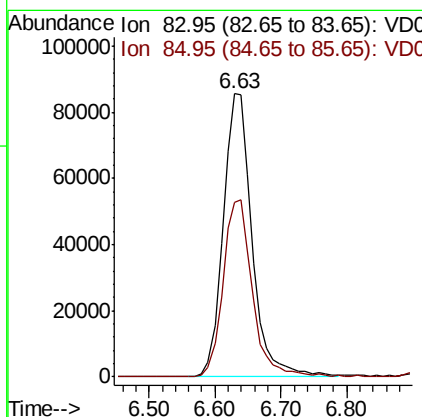
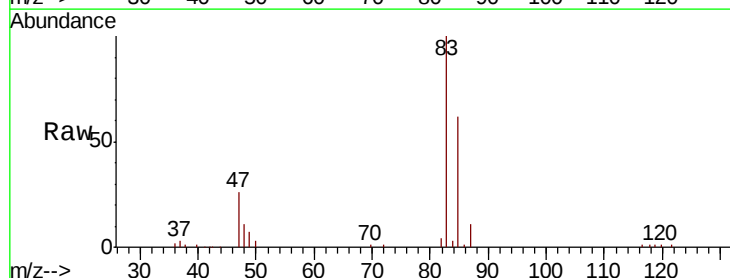
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

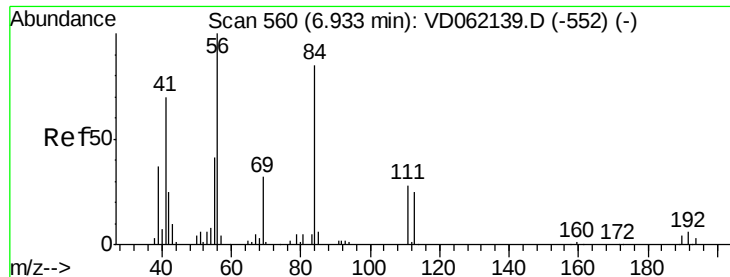
Tot Ion: 42 Resp: 78927
Ion Ratio Lower Upper
42 100
72 43.8 37.8 56.6
71 44.4 36.7 55.1



#30
Chloroform
Concen: 21.785 ug/l
RT: 6.63 min Scan# 529
Delta R.T. -0.01 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

Tgt Ion: 83 Resp: 261159
Ion Ratio Lower Upper
83 100
85 61.9 51.7 77.5

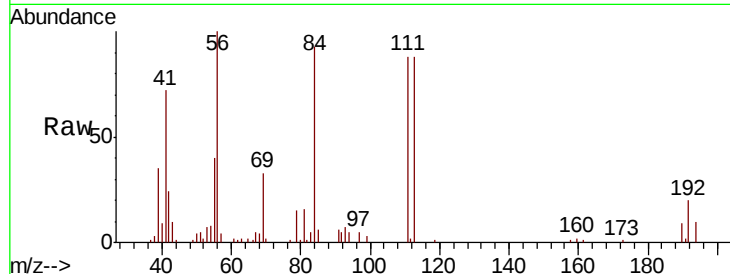




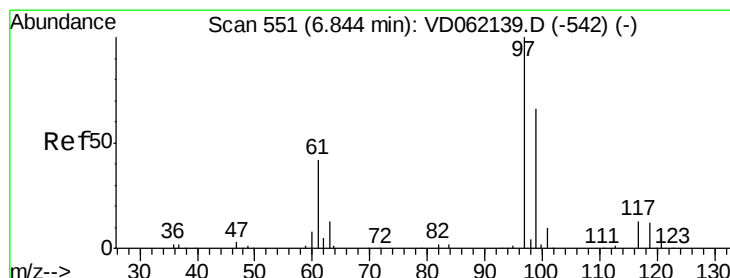
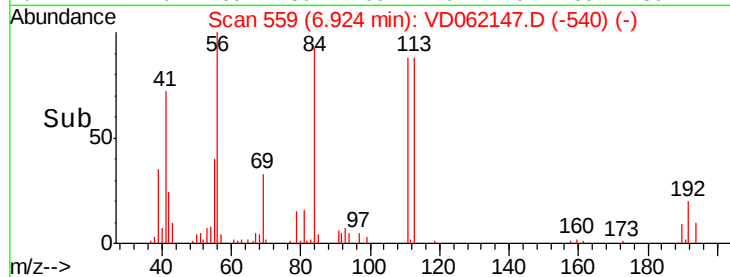
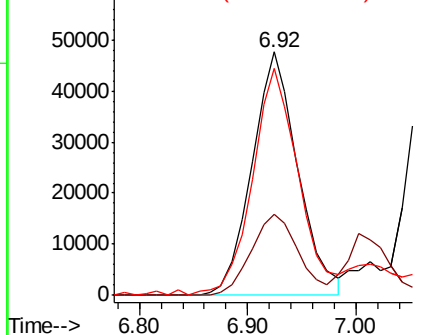
#31
Cyclohexane
Concen: 20.535 ug/l
RT: 6.92 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

Tot Ion: 56 Resp: 139937
Ion Ratio Lower Upper
56 100
69 33.4 25.8 38.6
84 93.3 72.2 108.4

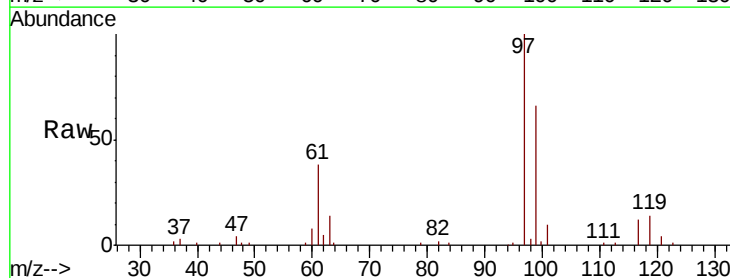


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

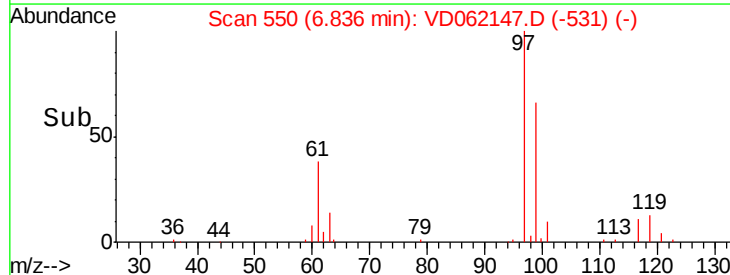
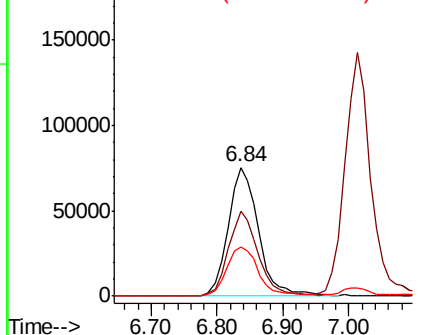


#32
1,1,1-Trichloroethane
Concen: 21.399 ug/l
RT: 6.84 min Scan# 550
Delta R.T. -0.01 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

Tgt Ion: 97 Resp: 242469
Ion Ratio Lower Upper
97 100
99 66.0 52.2 78.2
61 37.7 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: 53.973 ug/l

RT: 7.43 min Scan# 610

Delta R.T. 0.00 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

Instrument :

MSVOA_D

ClientSampleId :

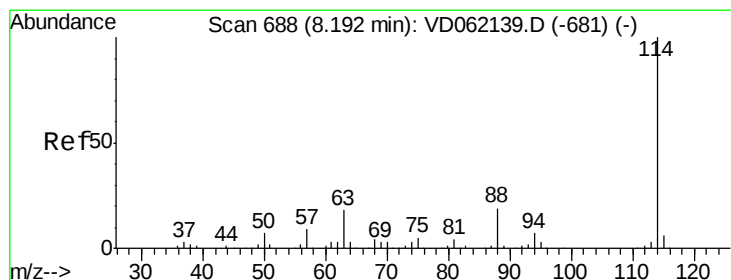
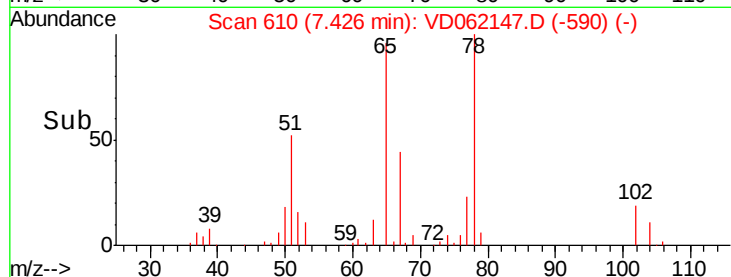
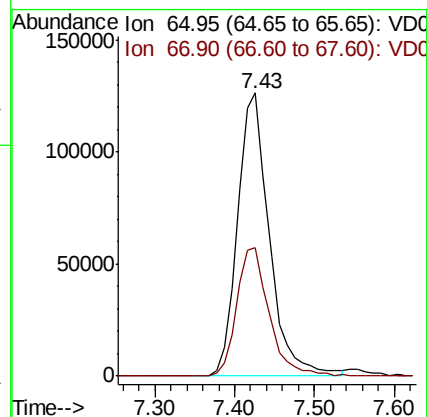
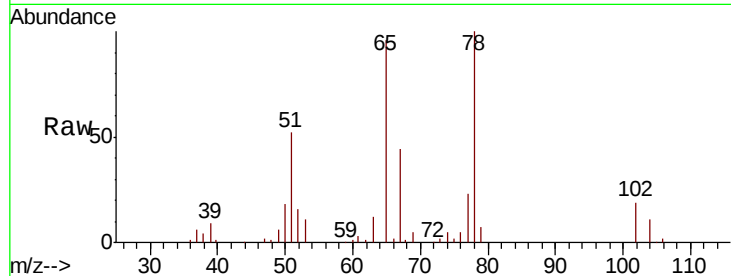
VD0507SBSD01

Tot Ion: 65 Resp: 350557

Ion Ratio Lower Upper

65 100

67 45.3 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: VD062147.D

Acq: 7 May 2019 23:00

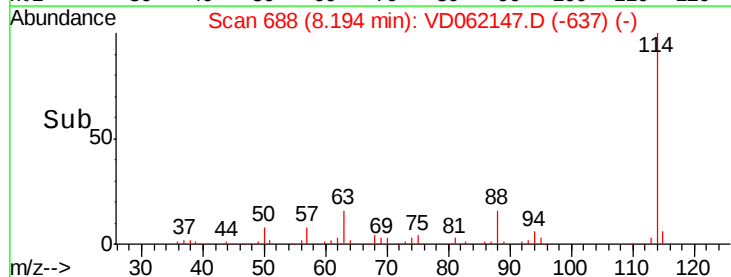
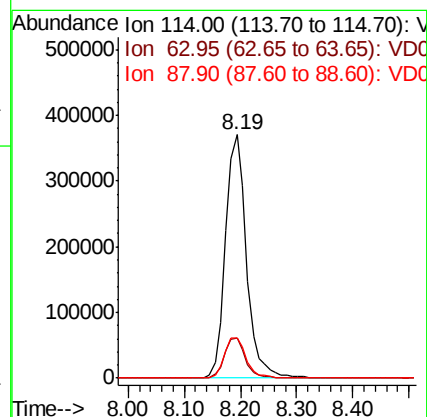
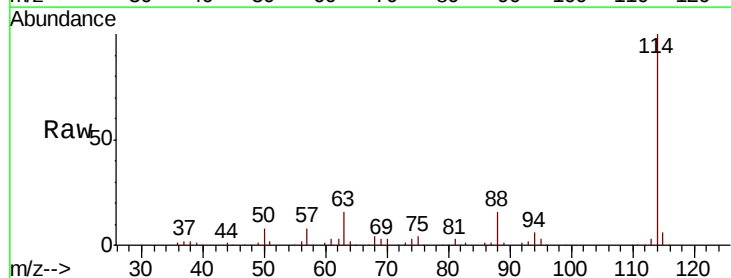
Tgt Ion: 114 Resp: 970902

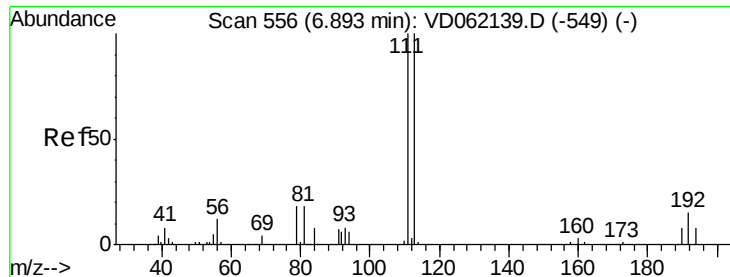
Ion Ratio Lower Upper

114 100

63 16.2 0.0 32.4

88 16.5 0.0 33.6

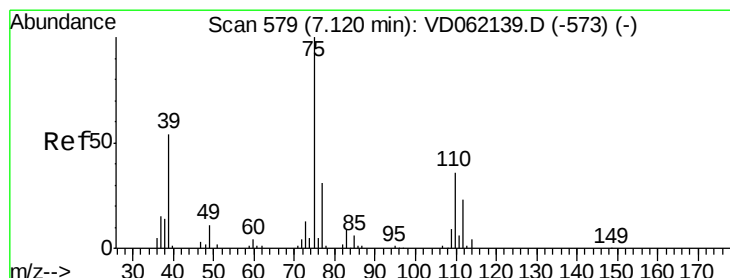
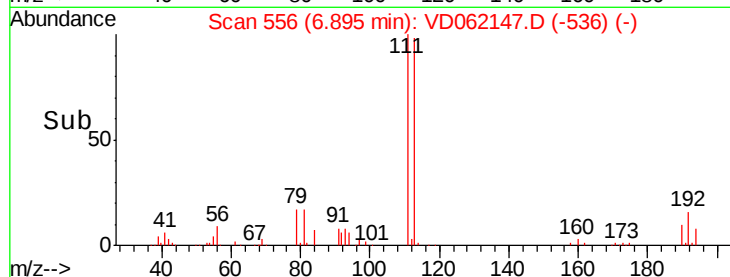
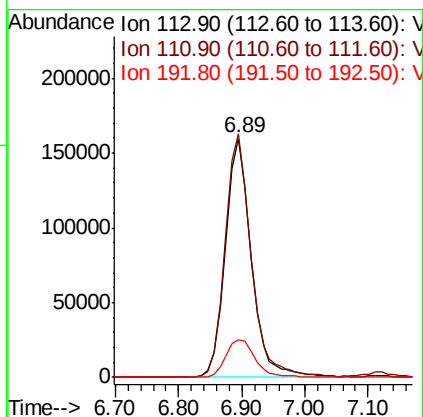
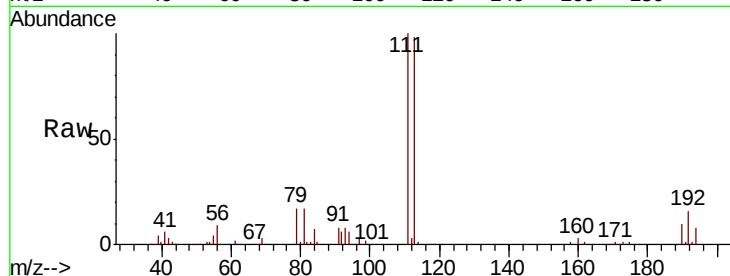




#35
 Dibromofluoromethane
 Concen: 56.649 ug/l
 RT: 6.89 min Scan# 556
 Delta R.T. 0.00 min
 Lab File: VD062147.D
 Acq: 7 May 2019 23:00

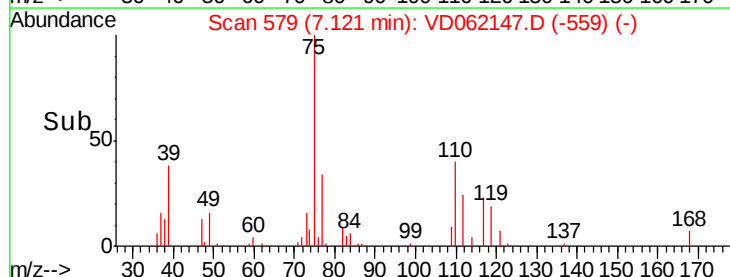
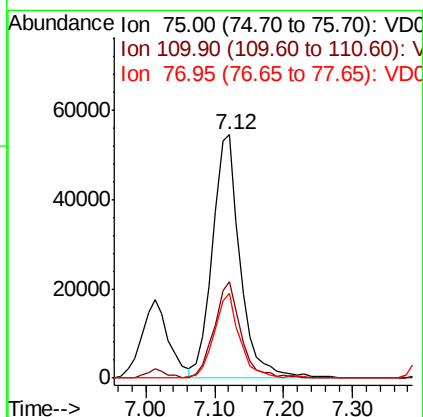
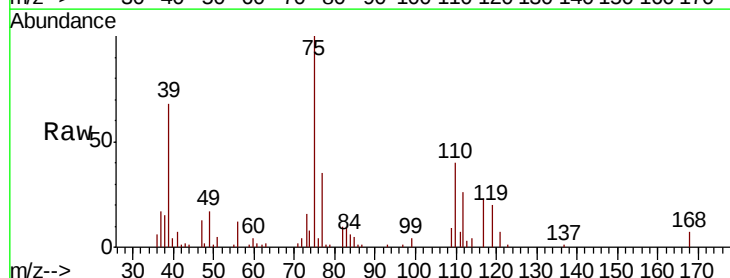
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBSD01

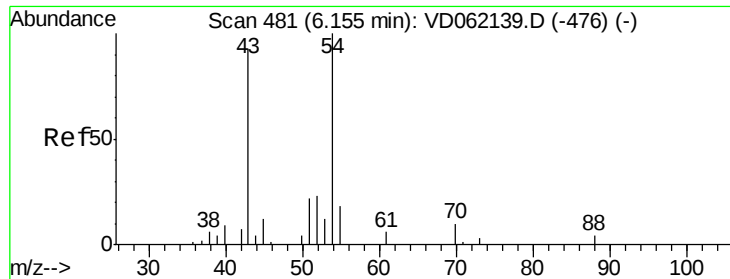
Tot Ion:113 Resp: 456345
 Ion Ratio Lower Upper
 113 100
 111 101.9 78.5 117.7
 192 15.9 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 19.182 ug/l
 RT: 7.12 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VD062147.D
 Acq: 7 May 2019 23:00

Tgt Ion: 75 Resp: 152700
 Ion Ratio Lower Upper
 75 100
 110 39.6 19.1 57.1
 77 34.7 25.6 38.4





#37

Ethyl Acetate

Concen: 23.103 ug/l

RT: 6.15 min Scan# 480

Delta R.T. -0.01 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

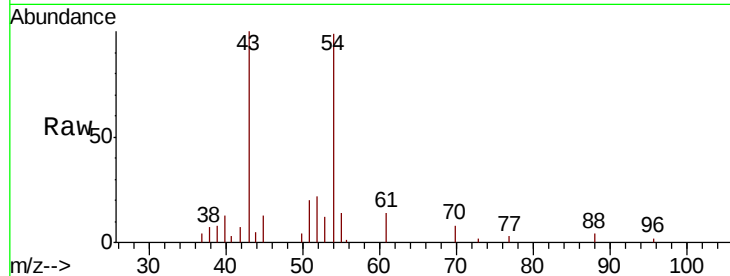
Tot Ion: 43 Resp: 77994

Ion Ratio Lower Upper

43 100

61 14.2 14.7 22.1#

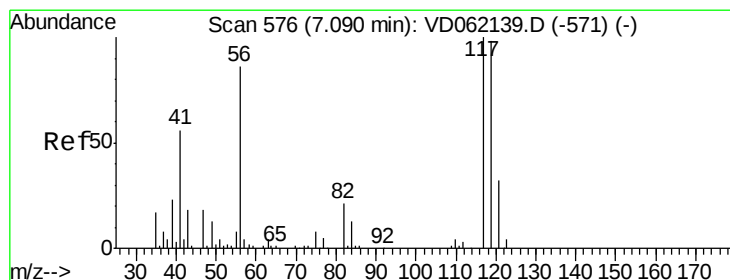
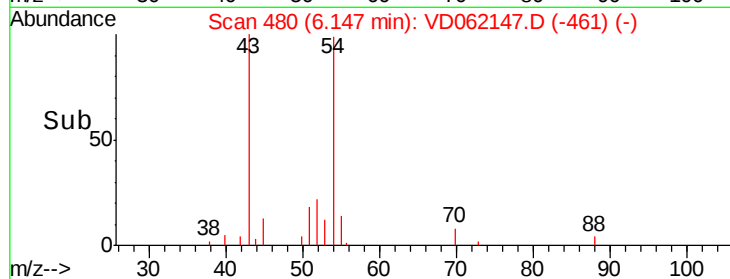
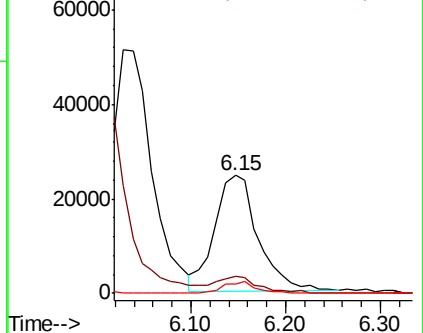
70 8.3 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VD062147.D (-476) (-)

Ion 60.95 (60.65 to 61.65): VD062147.D (-476) (-)

Ion 70.00 (69.70 to 70.70): VD062147.D (-476) (-)



#38

Carbon Tetrachloride

Concen: 20.542 ug/l

RT: 7.08 min Scan# 575

Delta R.T. -0.01 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

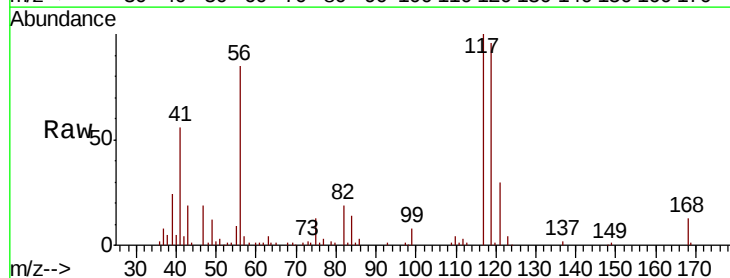
Tgt Ion: 117 Resp: 226332

Ion Ratio Lower Upper

117 100

119 95.6 75.8 113.8

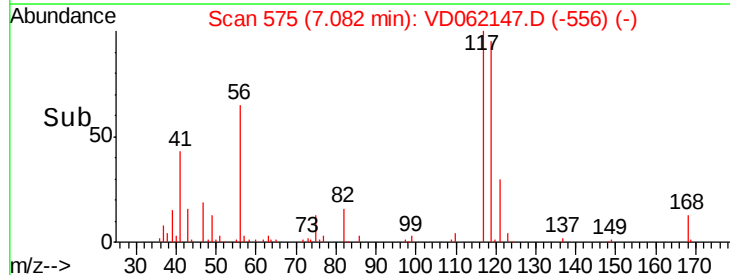
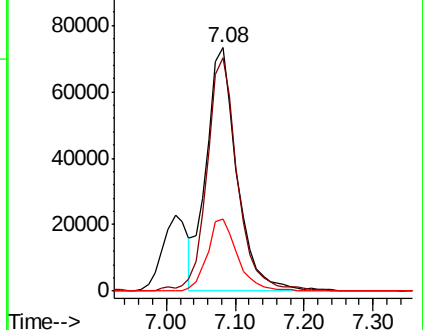
121 29.7 25.9 38.9

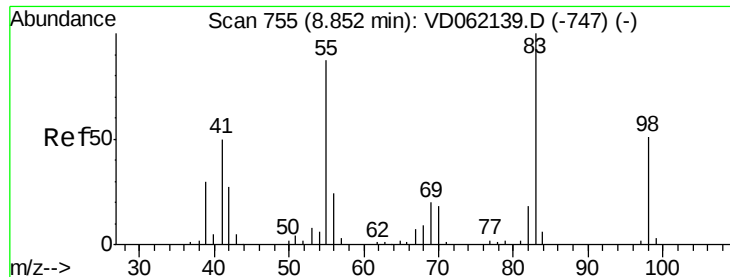


Abundance Ion 116.85 (116.55 to 117.55): VD062147.D (-556) (-)

Ion 118.85 (118.55 to 119.55): VD062147.D (-556) (-)

Ion 120.85 (120.55 to 121.55): VD062147.D (-556) (-)

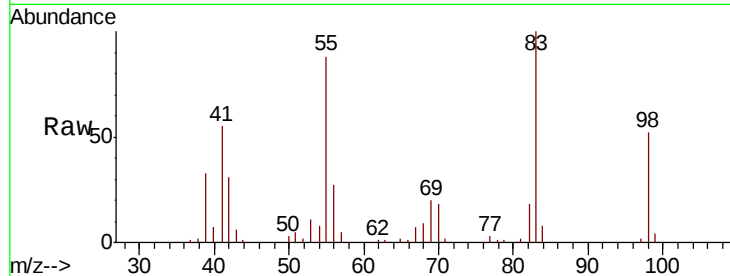




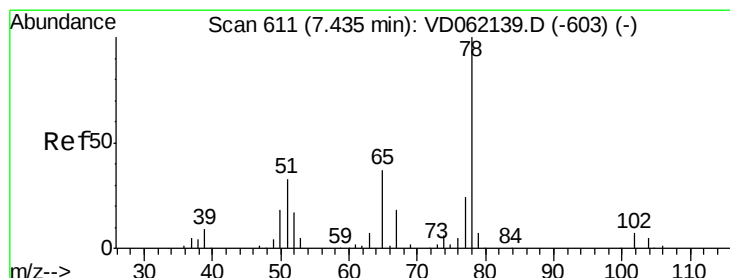
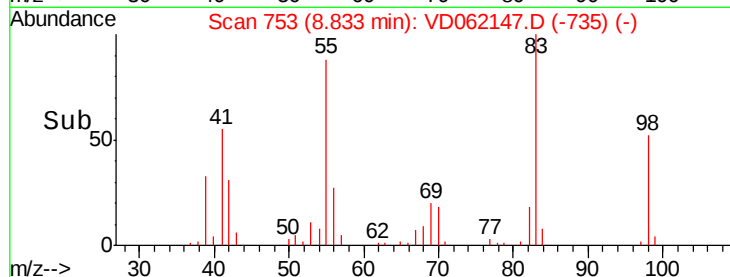
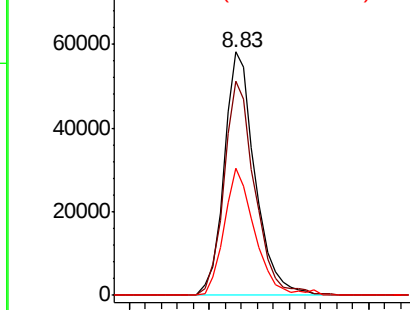
#39
Methvlcvclohexane
Concen: 20.642 ug/l
RT: 8.83 min Scan# 753
Delta R.T. -0.02 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

Tot Ion: 83 Resp: 157441
Ion Ratio Lower Upper
83 100
55 88.1 68.2 102.4
98 52.0 38.2 57.4

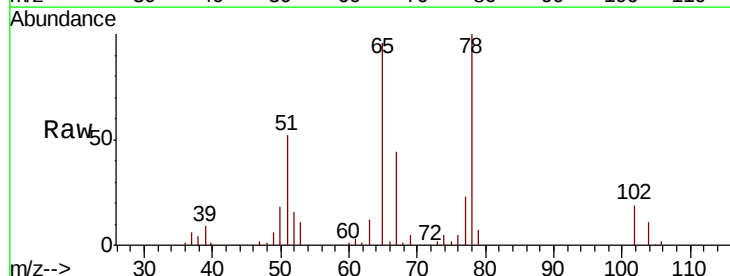


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

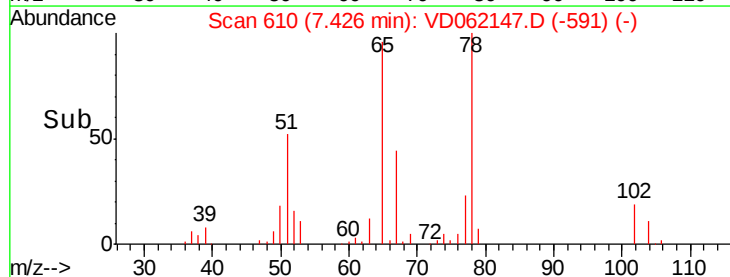
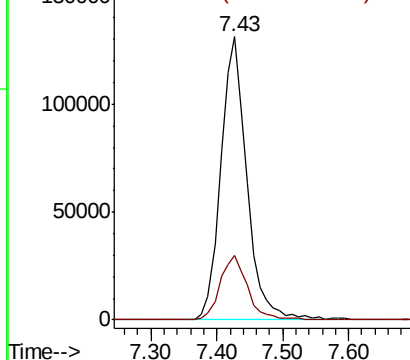


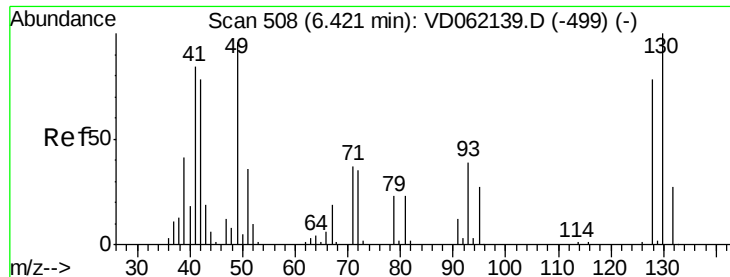
#40
Benzene
Concen: 20.127 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.01 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

Tgt Ion: 78 Resp: 361791
Ion Ratio Lower Upper
78 100
77 22.9 19.7 29.5



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

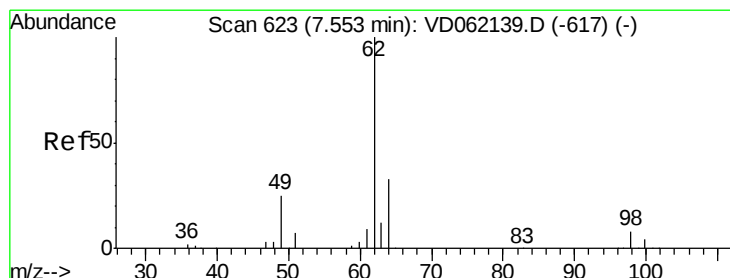
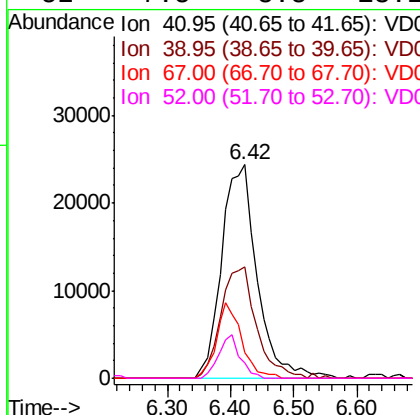
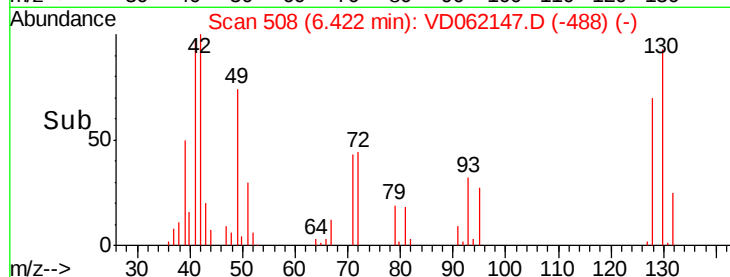
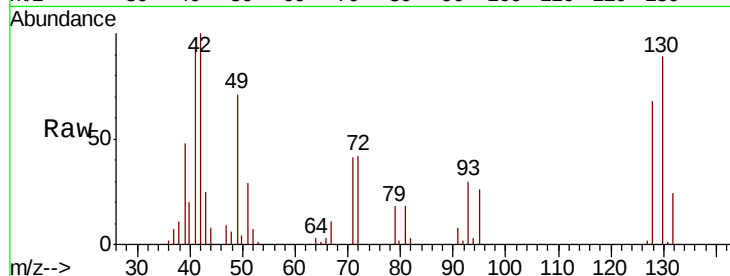




#41
Methacrylonitrile
Concen: 22.957 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

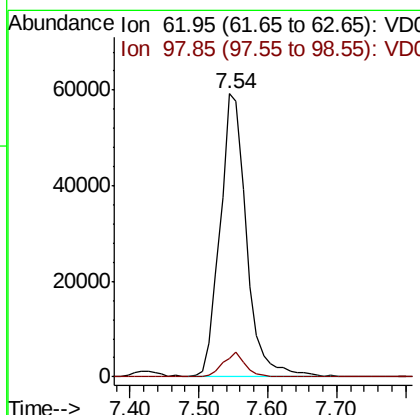
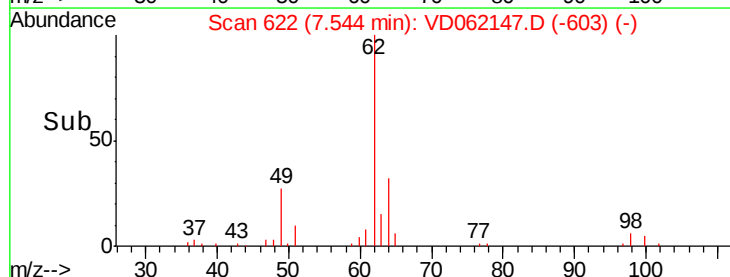
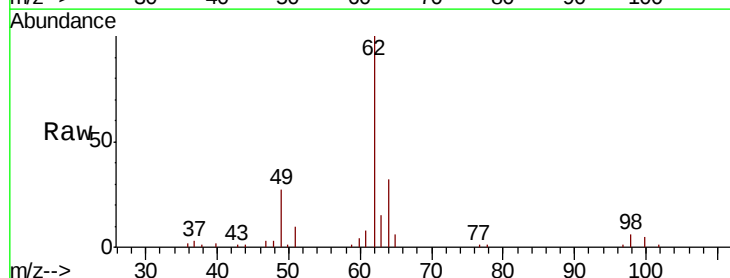
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

Tot Ion: 41 Resp: 94711
Ion Ratio Lower Upper
41 100
39 52.1 34.1 51.1#
67 12.2 23.8 35.6#
52 7.5 8.8 13.2#



#42
1,2-Dichloroethane
Concen: 20.692 ug/l
RT: 7.54 min Scan# 622
Delta R.T. -0.01 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

Tgt Ion: 62 Resp: 157588
Ion Ratio Lower Upper
62 100
98 6.4 0.0 17.8





#43

Isopropyl Acetate

Concen: 22.831 ug/l

RT: 9.22 min Scan# 792

Delta R.T. 0.00 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

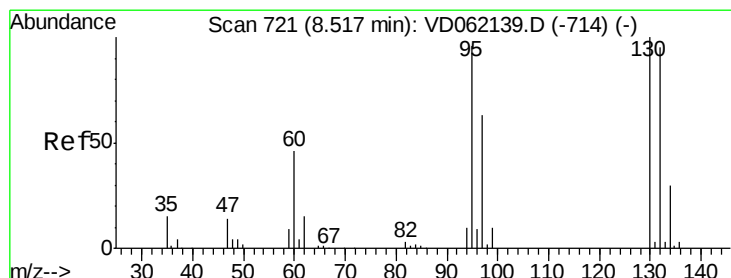
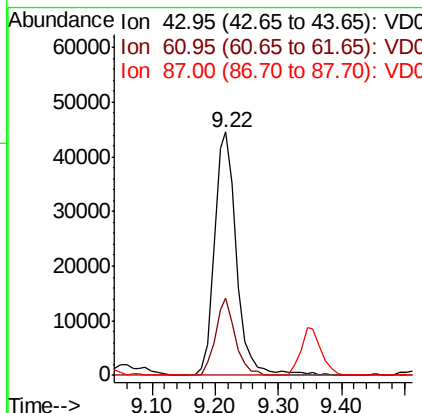
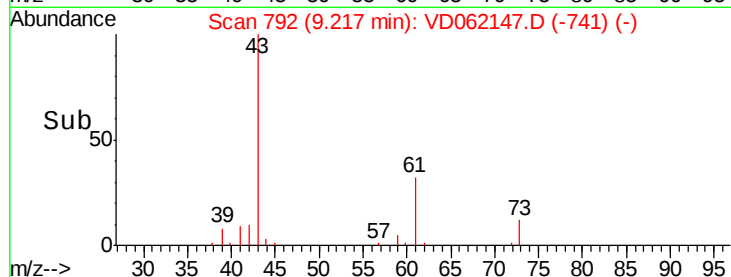
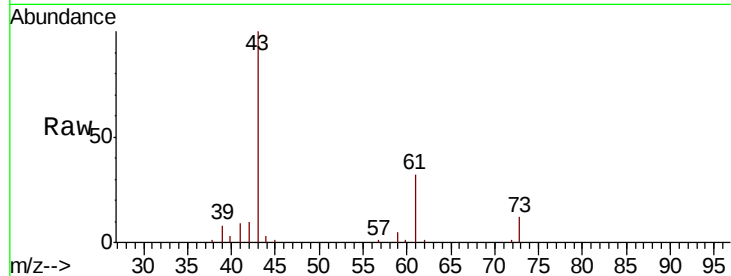
Tot Ion: 43 Resp: 109310

Ion Ratio Lower Upper

43 100

61 31.8 25.1 37.7

87 0.0 0.0 0.0



#44

Trichloroethene

Concen: 21.282 ug/l

RT: 8.52 min Scan# 721

Delta R.T. 0.00 min

Lab File: VD062147.D

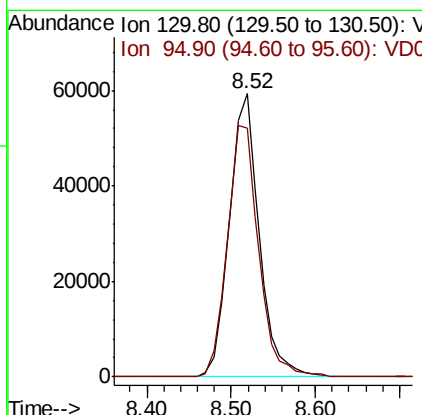
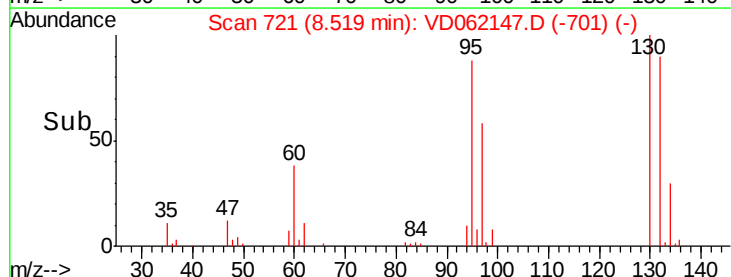
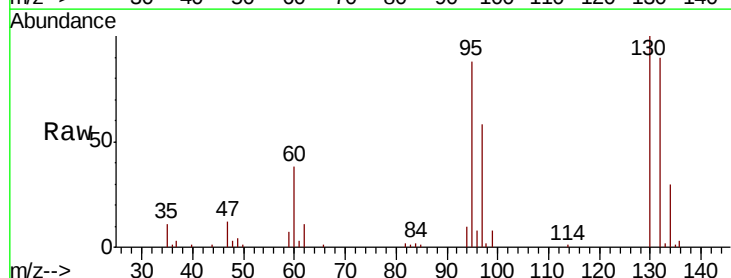
Acq: 7 May 2019 23:00

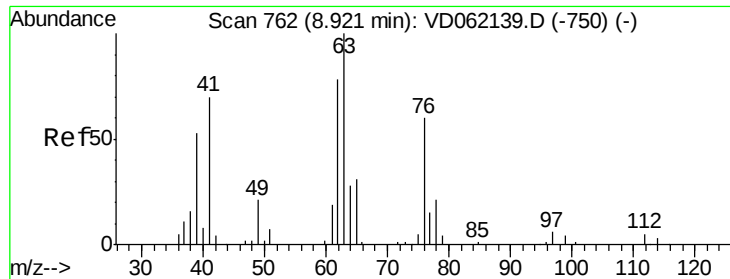
Tgt Ion: 130 Resp: 145777

Ion Ratio Lower Upper

130 100

95 87.8 0.0 174.0





#45

1,2-Dichloropropane

Concen: 22.683 ug/l

RT: 8.91 min Scan# 761

Delta R.T. -0.01 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

Instrument :

MSVOA_D

ClientSampleId :

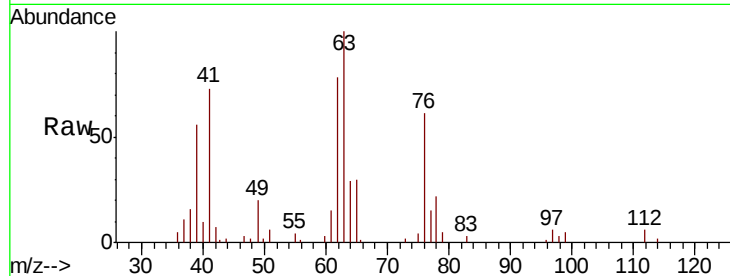
VD0507SBS01

Tot Ion: 63 Resp: 100856

Ion Ratio Lower Upper

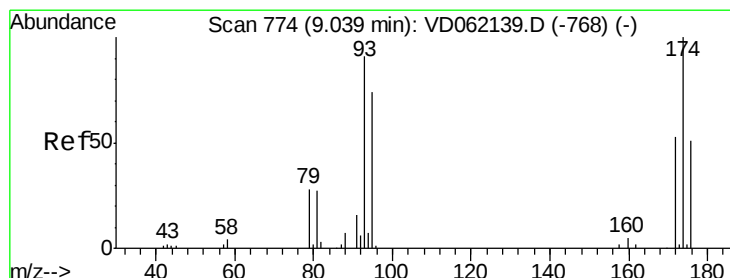
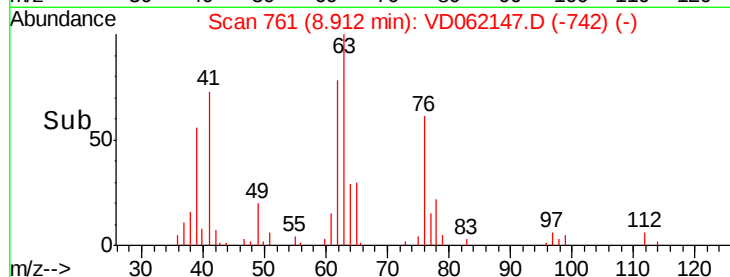
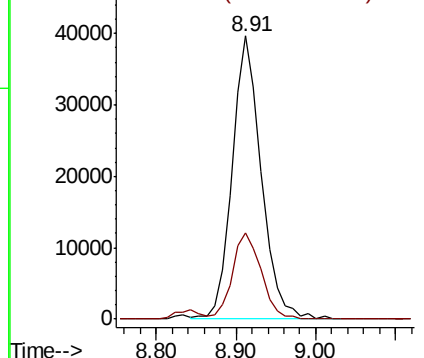
63 100

65 30.3 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: 21.547 ug/l

RT: 9.04 min Scan# 774

Delta R.T. 0.00 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

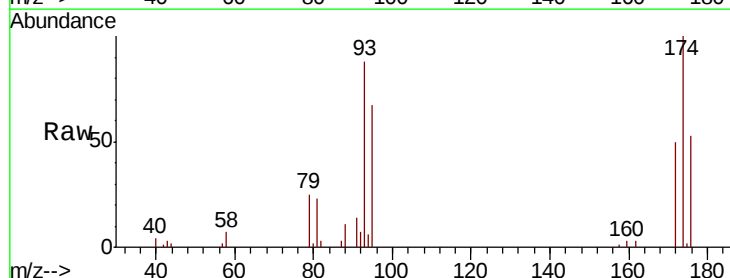
Tgt Ion: 93 Resp: 77908

Ion Ratio Lower Upper

93 100

95 75.7 64.8 97.2

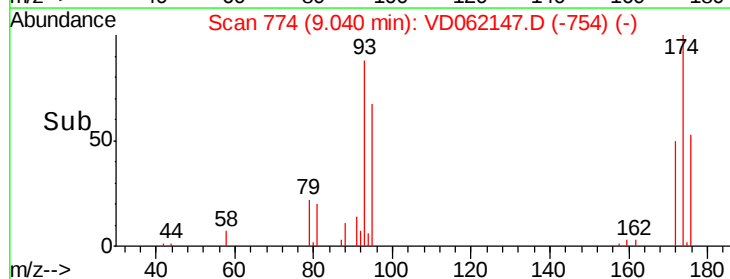
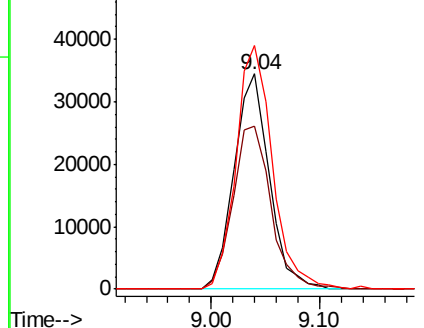
174 113.3 79.3 118.9



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): VDC





#47

Bromodichloromethane

Concen: 21.243 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.01 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

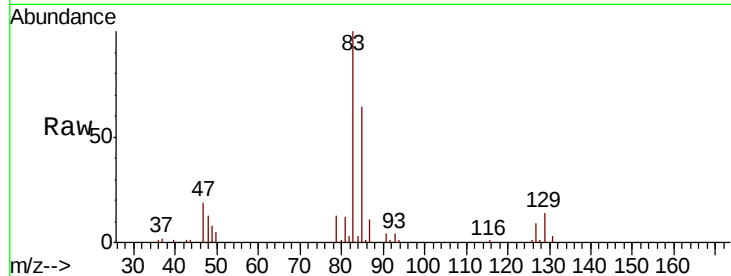
Tot Ion: 83 Resp: 187871

Ion Ratio Lower Upper

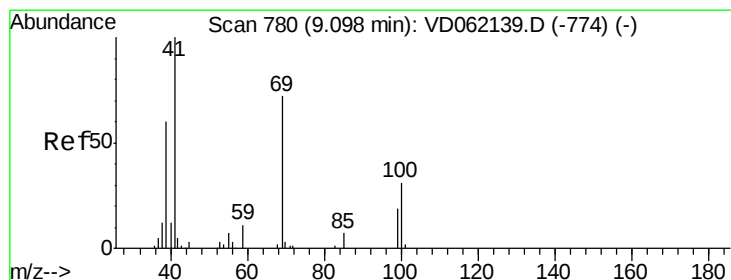
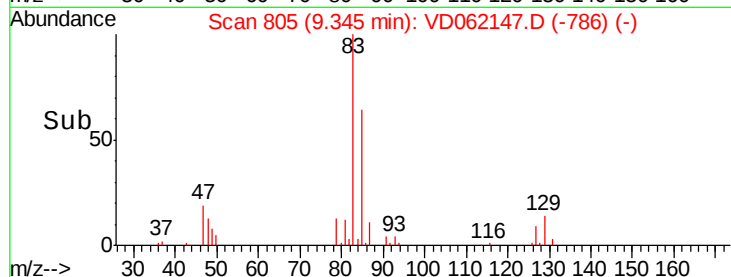
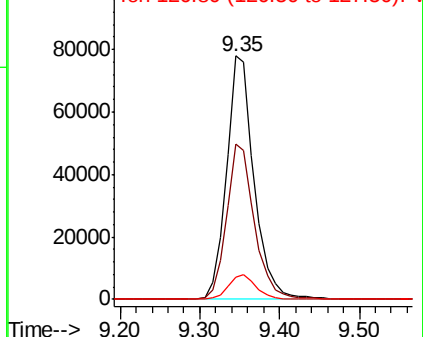
83 100

85 63.6 50.9 76.3

127 9.0 8.1 12.1



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



#48

Methyl methacrylate

Concen: 22.233 ug/l

RT: 9.09 min Scan# 779

Delta R.T. -0.01 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

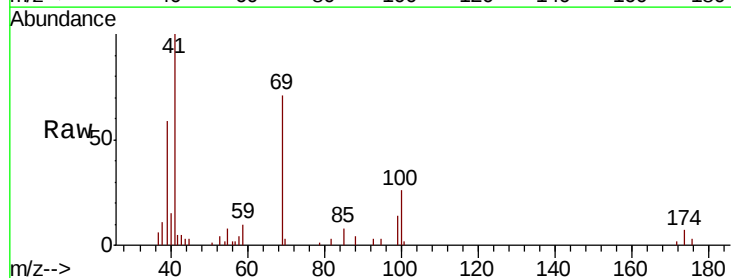
Tgt Ion: 41 Resp: 65568

Ion Ratio Lower Upper

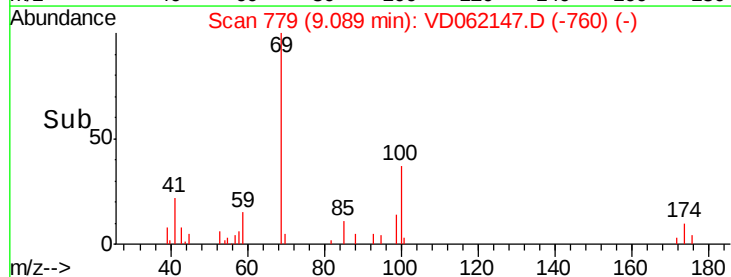
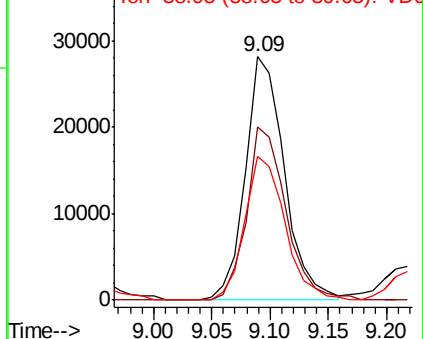
41 100

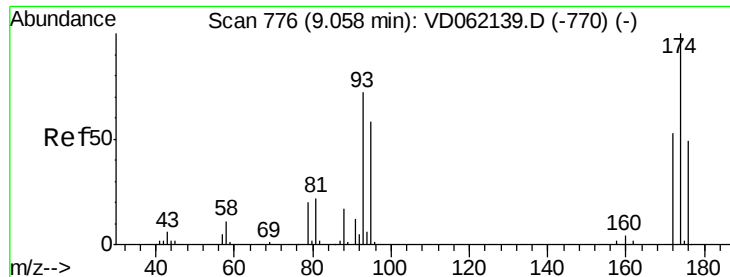
69 71.2 64.2 96.2

39 59.0 46.8 70.2



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

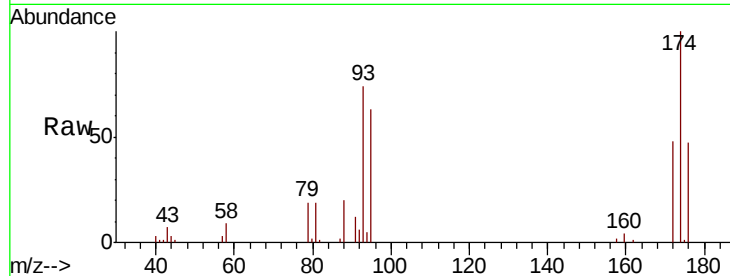




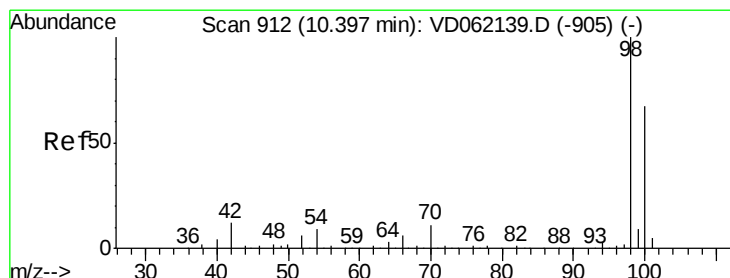
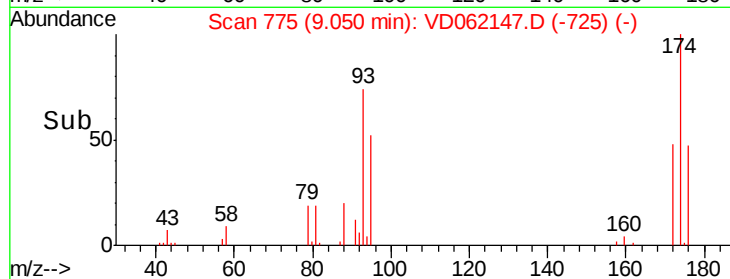
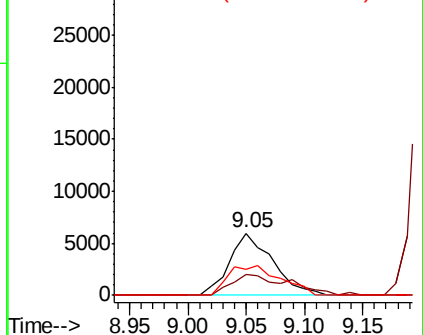
#49
1,4-Dioxane
Concen: 479.267 ug/l
RT: 9.05 min Scan# 775
Delta R.T. -0.01 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

Tot Ion: 88 Resp: 15250
Ion Ratio Lower Upper
88 100
43 34.4 23.4 35.0
58 42.4 44.0 66.0#

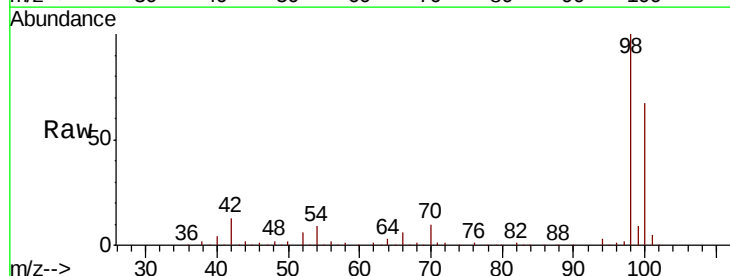


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

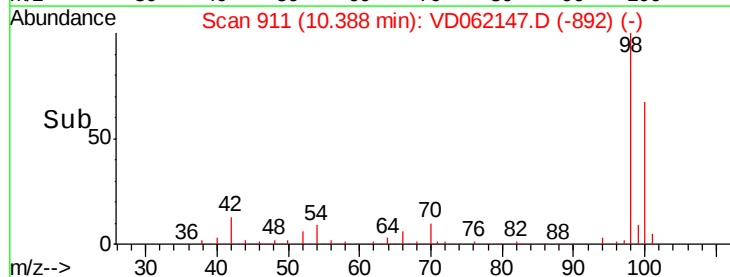
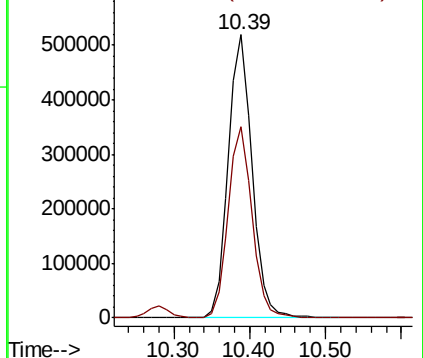


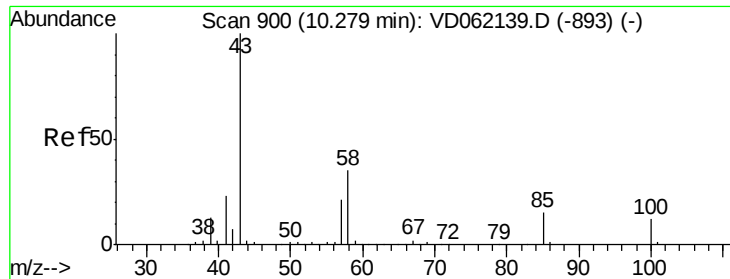
#50
Toluene-d8
Concen: 57.952 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

Tgt Ion: 98 Resp: 1125596
Ion Ratio Lower Upper
98 100
100 67.3 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: 118.189 ug/l

RT: 10.28 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

Instrument :

MSVOA_D

ClientSampleId :

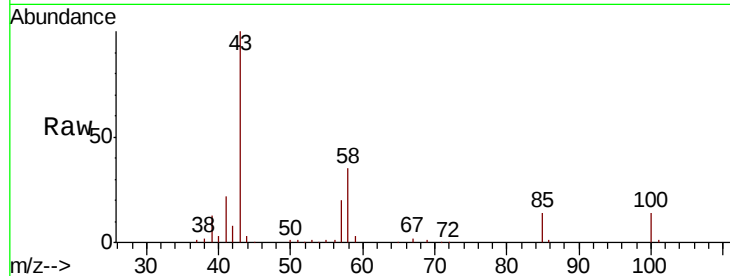
VD0507SBS01

Tot Ion: 43 Resp: 363745

Ion Ratio Lower Upper

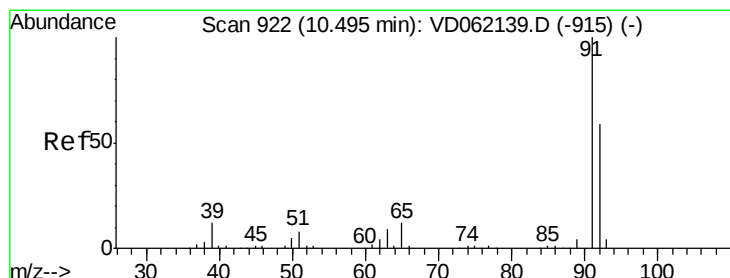
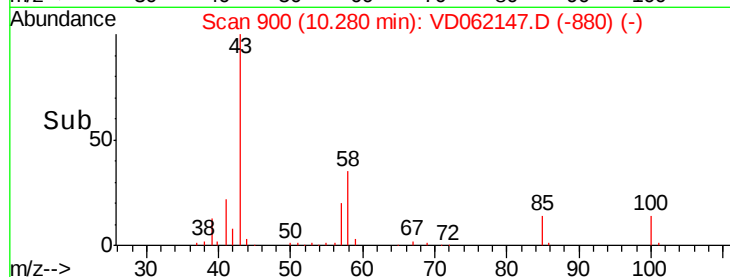
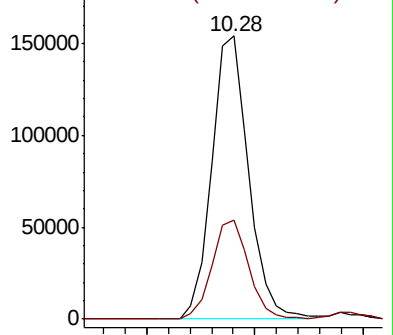
43 100

58 35.0 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.928 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.01 min

Lab File: VD062147.D

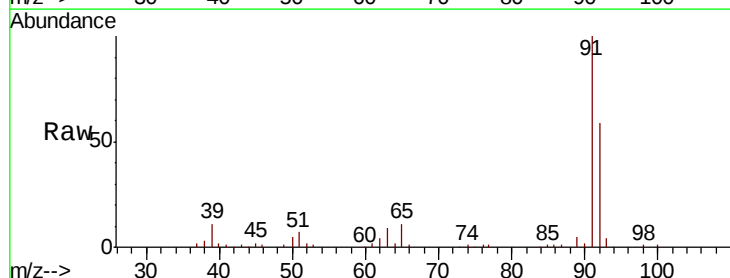
Acq: 7 May 2019 23:00

Tgt Ion: 92 Resp: 268165

Ion Ratio Lower Upper

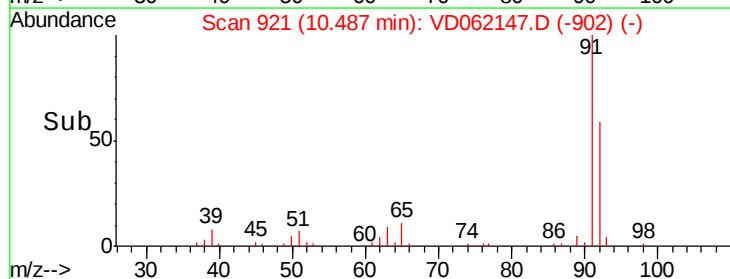
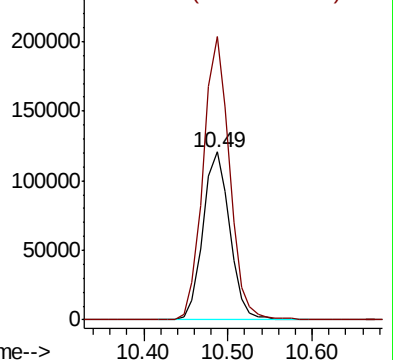
92 100

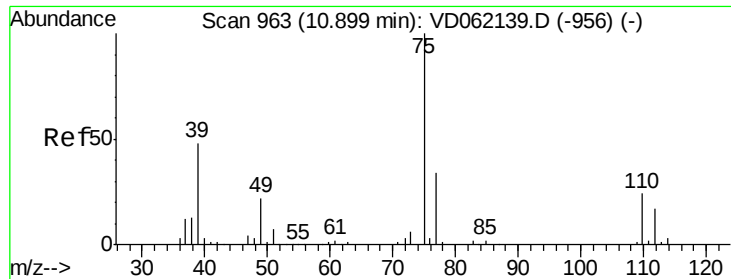
91 168.7 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

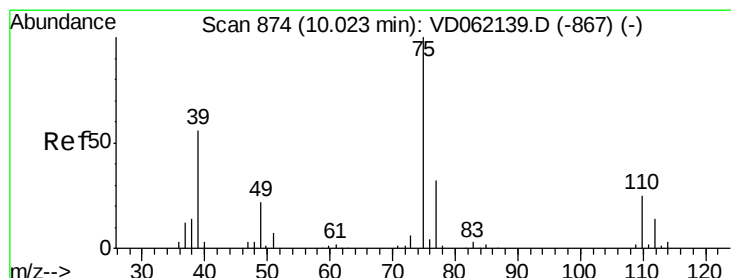
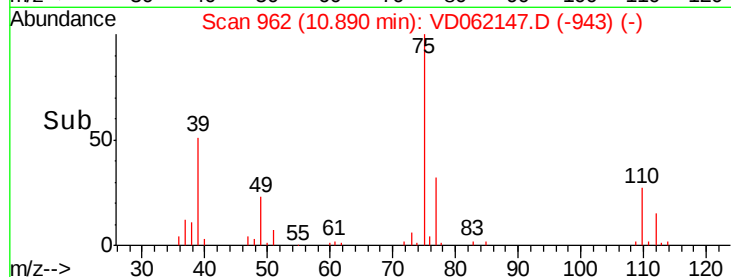
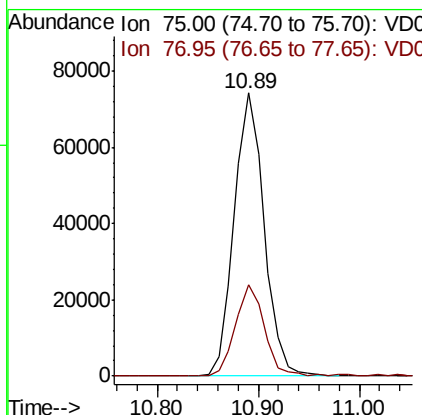
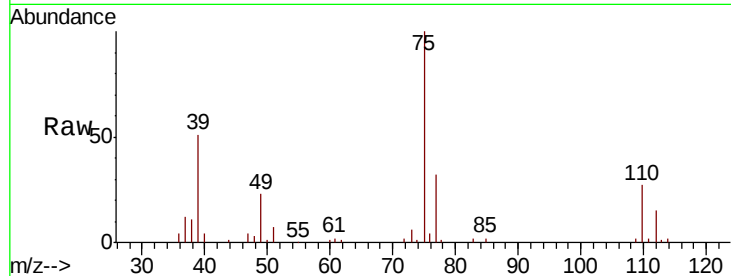




#53
 t-1,3-Dichloropropene
 Concen: 20.056 ug/l
 RT: 10.89 min Scan# 962
 Delta R.T. -0.01 min
 Lab File: VD062147.D
 Acq: 7 May 2019 23:00

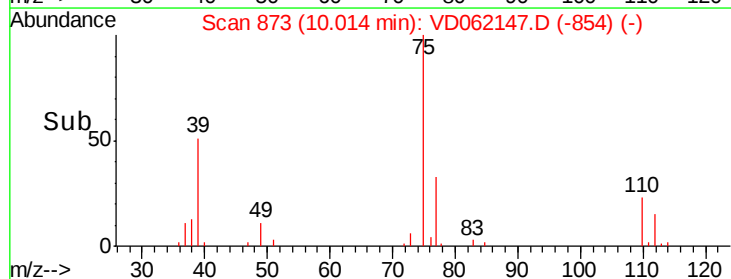
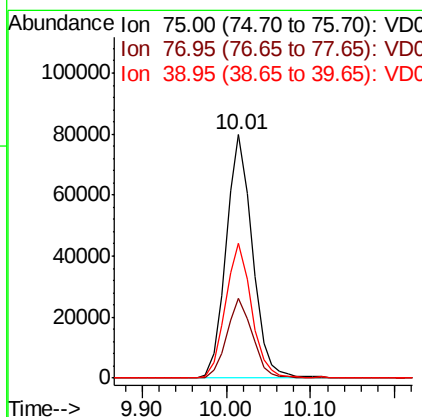
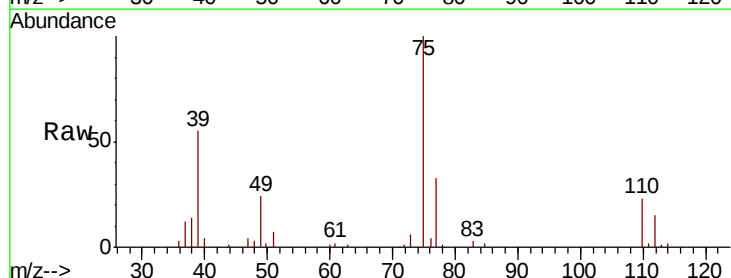
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

Tot Ion: 75 Resp: 153305
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 20.705 ug/l
 RT: 10.01 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VD062147.D
 Acq: 7 May 2019 23:00

Tgt Ion: 75 Resp: 172652
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.5 38.3
 39 55.3 39.4 59.2

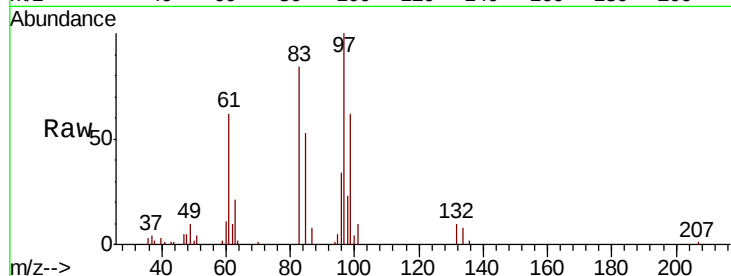




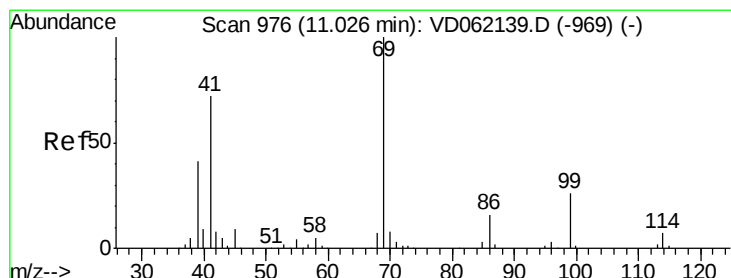
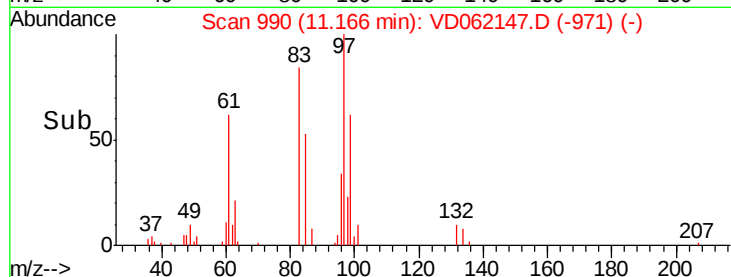
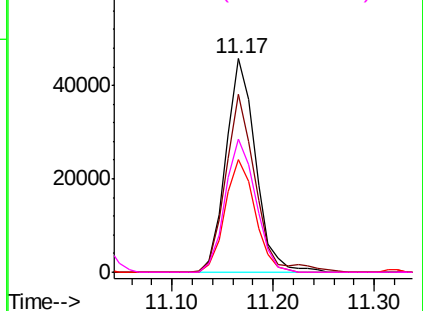
#55
 1,1,2-Trichloroethane
 Concen: 22.558 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: VD062147.D
 Acq: 7 May 2019 23:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

Tot Ion:	97	Resp:	93348
Ion	Ratio	Lower	Upper
97	100		
83	83.6	65.7	98.5
85	52.6	45.6	68.4
99	62.5	48.4	72.6

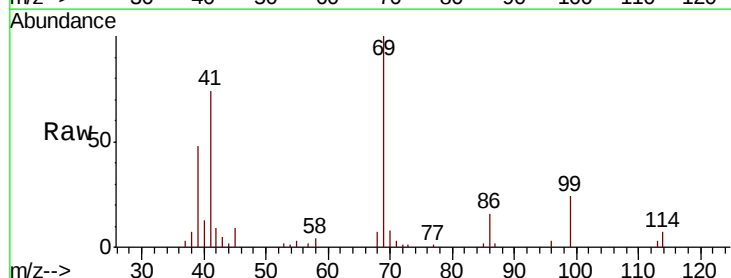


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

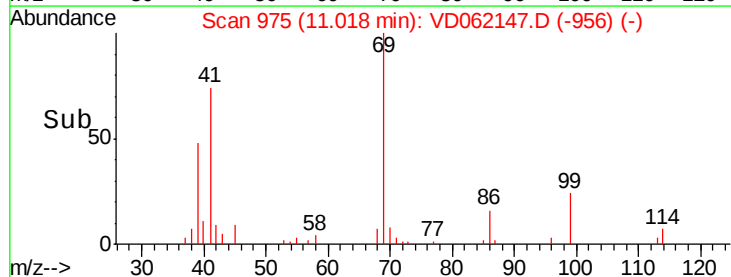
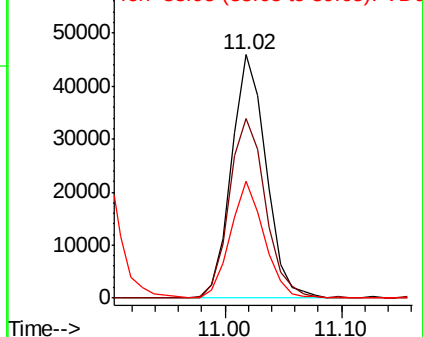


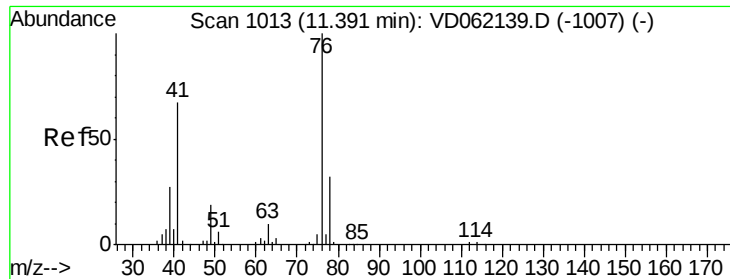
#56
 Ethyl methacrylate
 Concen: 21.962 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VD062147.D
 Acq: 7 May 2019 23:00

Tgt Ion:	69	Resp:	94443
Ion	Ratio	Lower	Upper
69	100		
41	73.9	56.3	84.5
39	48.0	29.4	44.2#



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.375 ug/l

RT: 11.38 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

Instrument :

MSVOA_D

ClientSampleId :

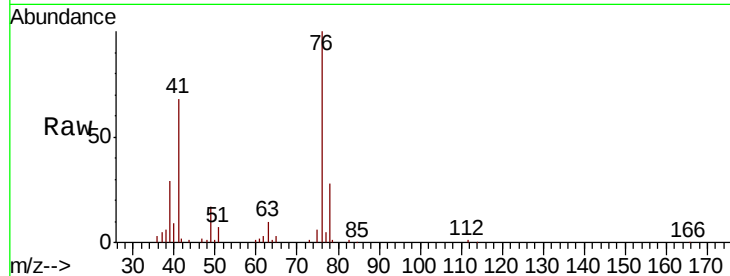
VD0507SBS01

Tot Ion: 76 Resp: 133633

Ion Ratio Lower Upper

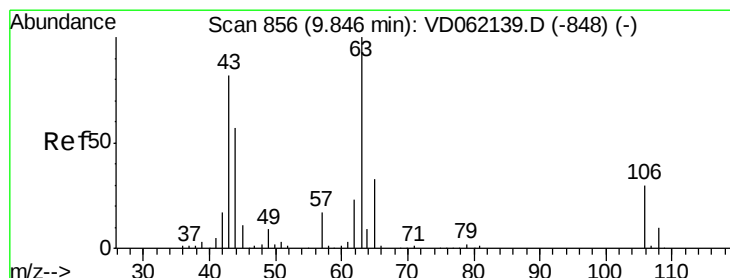
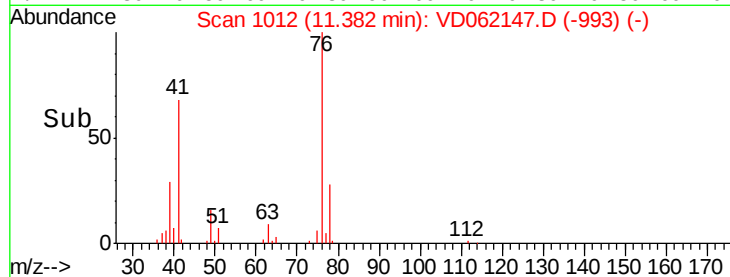
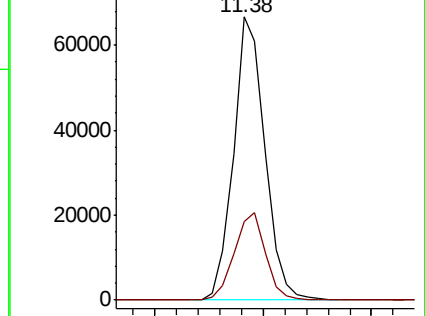
76 100

78 27.9 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 111.169 ug/l

RT: 9.84 min Scan# 855

Delta R.T. -0.01 min

Lab File: VD062147.D

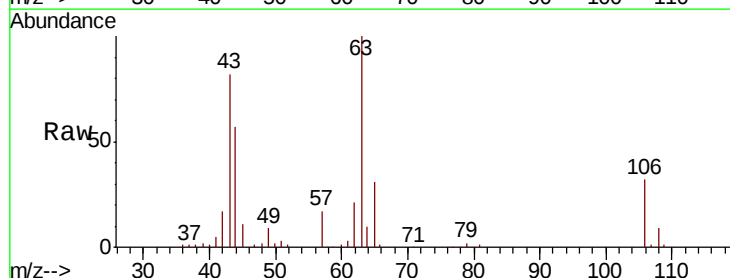
Acq: 7 May 2019 23:00

Tgt Ion: 63 Resp: 261129

Ion Ratio Lower Upper

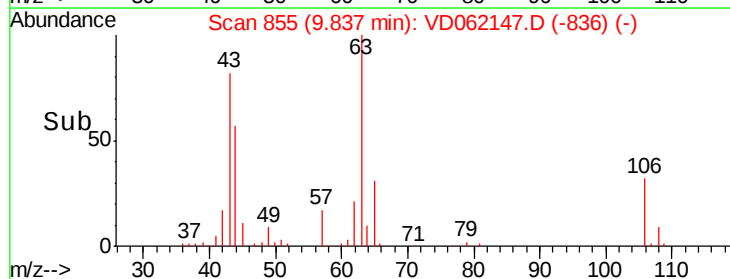
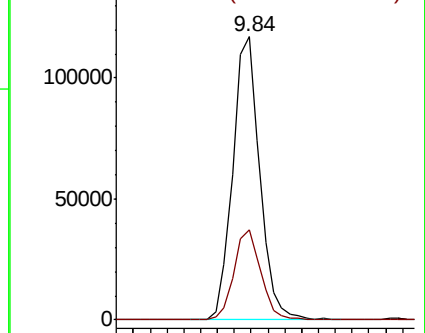
63 100

106 32.0 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

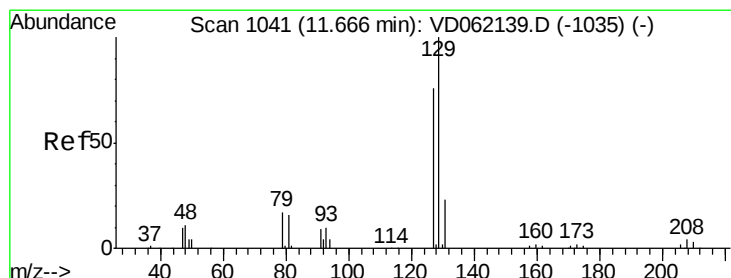
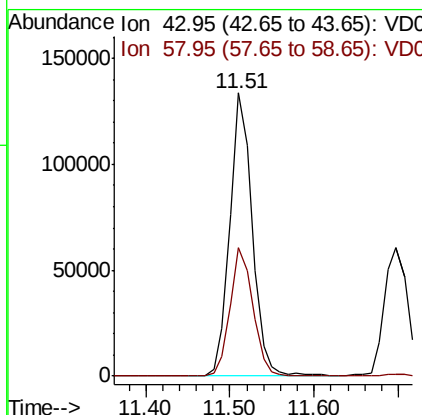
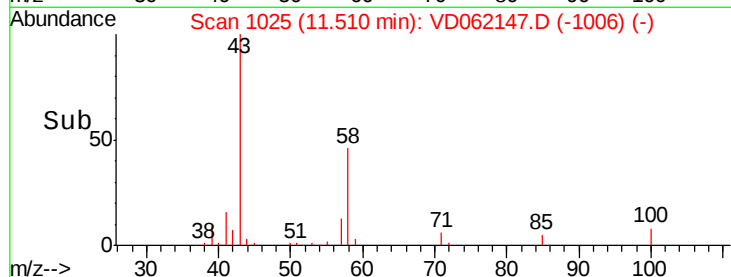
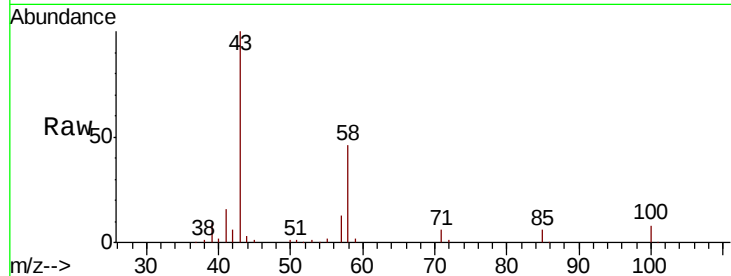




#59
2-Hexanone
Concen: 109.505 ug/l
RT: 11.51 min Scan# 1025
Delta R.T. -0.01 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

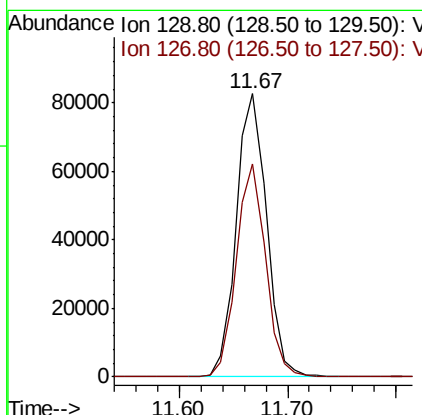
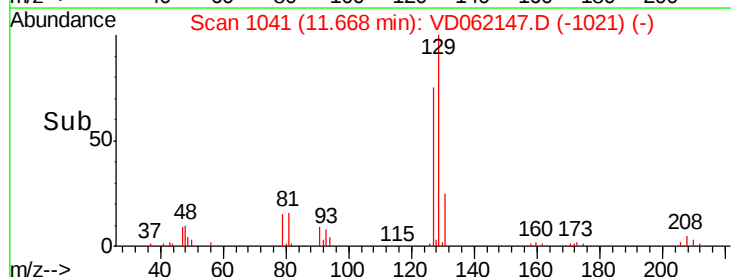
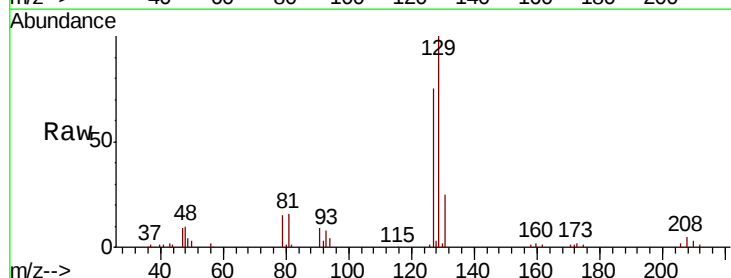
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBSD01

Tot Ion: 43 Resp: 248395
Ion Ratio Lower Upper
43 100
58 45.6 25.4 76.4



#60
Dibromochloromethane
Concen: 22.466 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

Tgt Ion:129 Resp: 160671
Ion Ratio Lower Upper
129 100
127 75.3 38.0 113.9

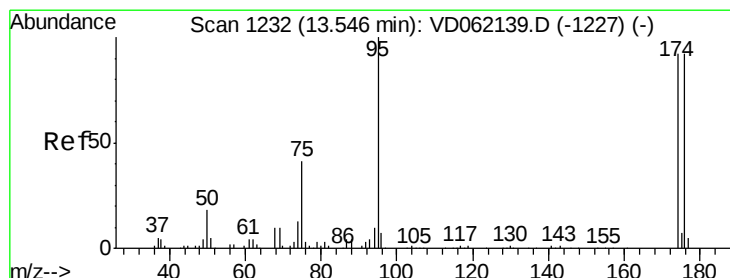
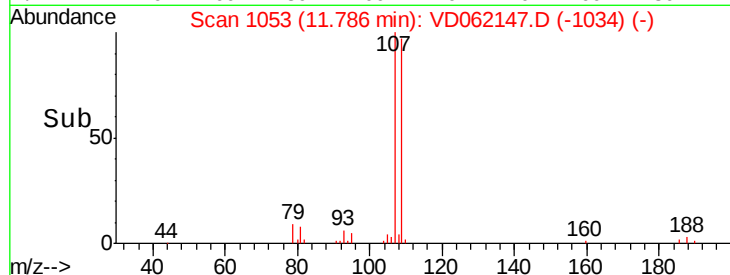
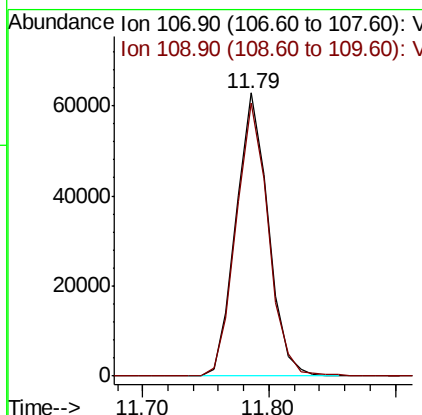
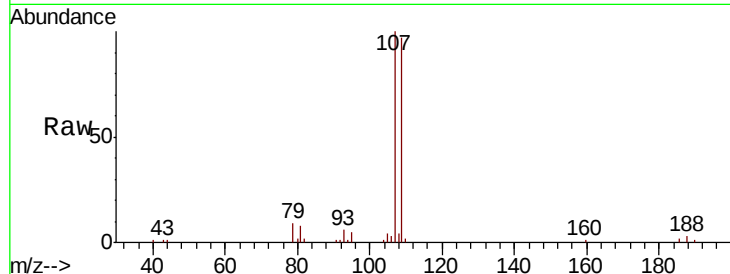




#61
 1,2-Dibromoethane
 Concen: 22.033 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD062147.D
 Acq: 7 May 2019 23:00

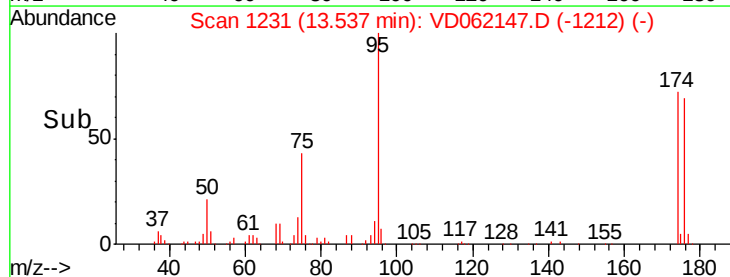
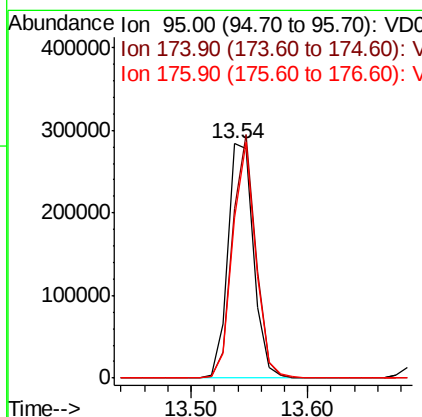
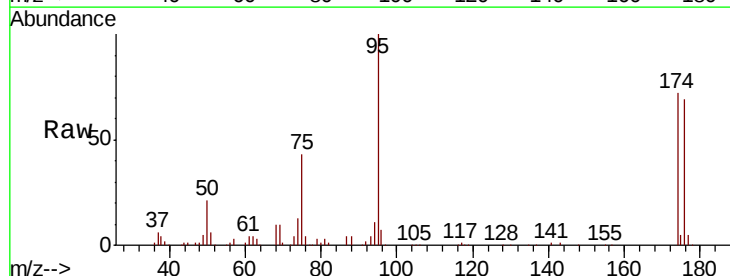
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

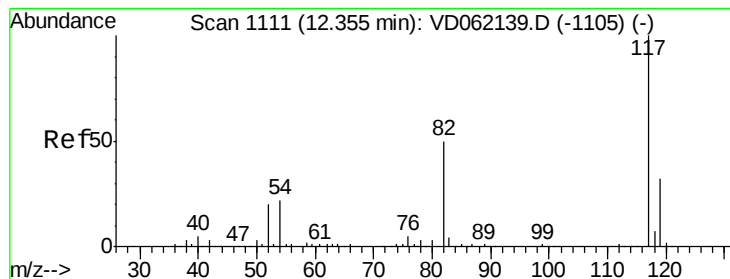
Tot Ion:107 Resp: 110852
 Ion Ratio Lower Upper
 107 100
 109 96.7 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 55.708 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD062147.D
 Acq: 7 May 2019 23:00

Tgt Ion: 95 Resp: 434494
 Ion Ratio Lower Upper
 95 100
 174 72.2 0.0 181.8
 176 68.8 0.0 174.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

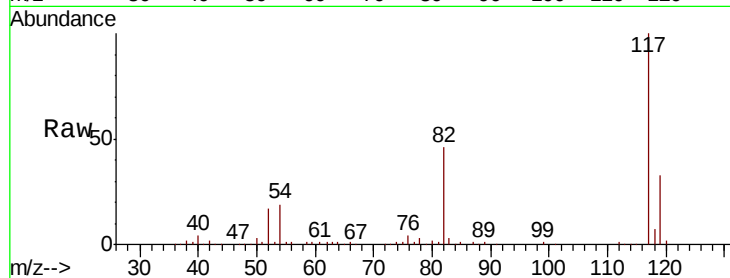
Tot Ion:117 Resp: 902751

Ion Ratio Lower Upper

117 100

82 46.3 36.2 54.2

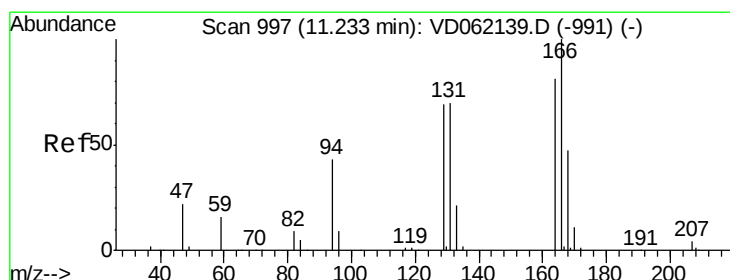
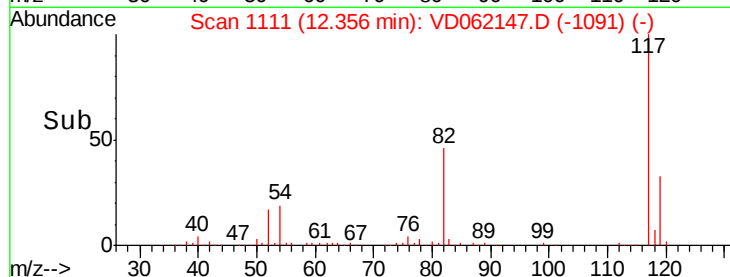
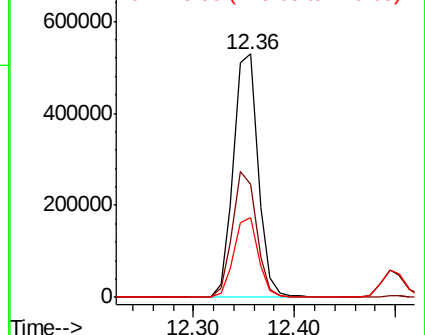
119 32.9 26.2 39.4



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: 19.336 ug/l

RT: 11.23 min Scan# 997

Delta R.T. 0.00 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

Tgt Ion:164 Resp: 136495

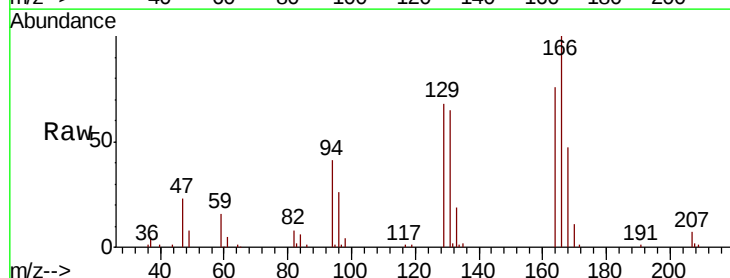
Ion Ratio Lower Upper

164 100

166 131.0 101.5 152.3

129 88.7 74.6 112.0

131 84.7 72.6 108.8

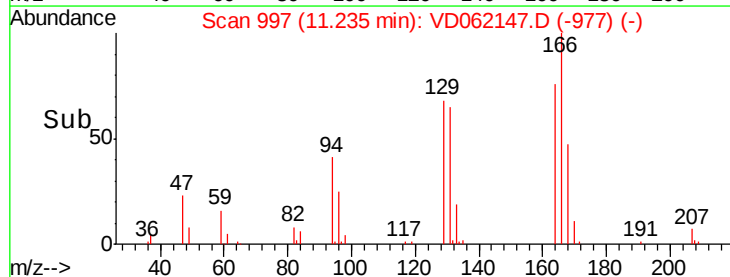
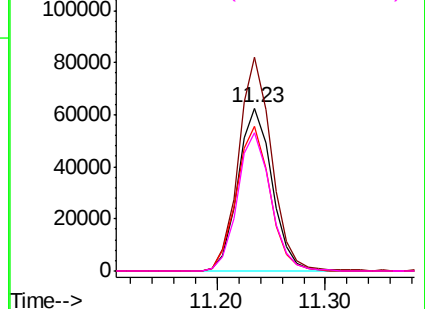


Abundance Ion 163.85 (163.55 to 164.55): V

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

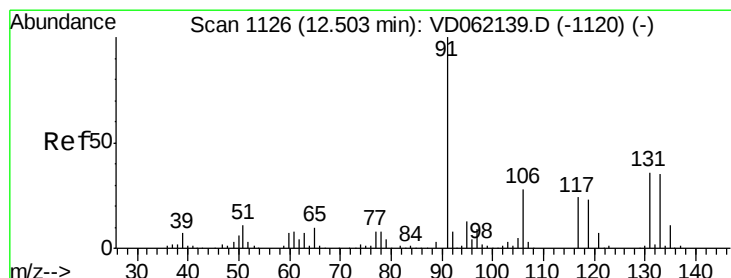
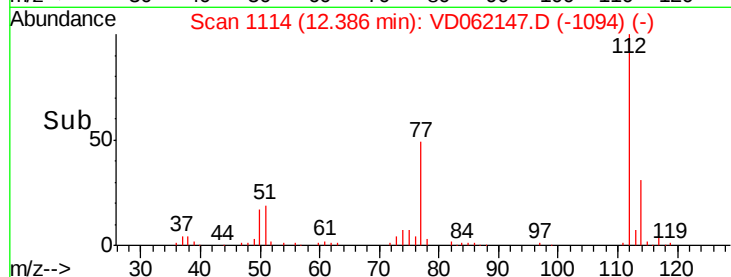
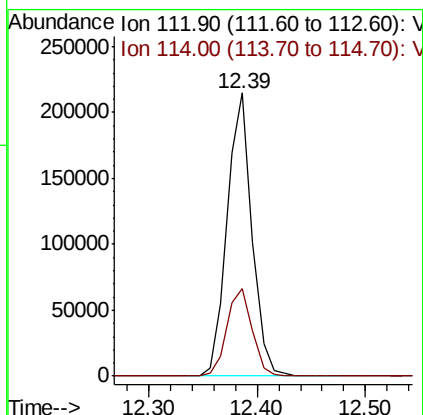
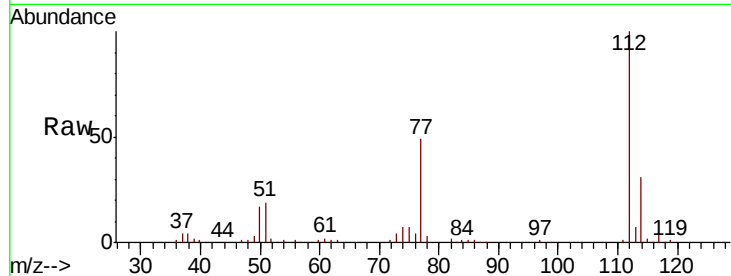




#65
Chlorobenzene
Concen: 20.303 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

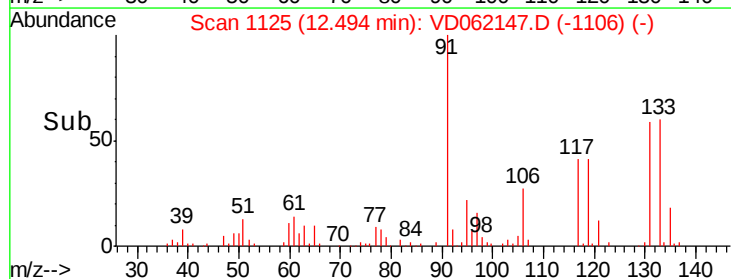
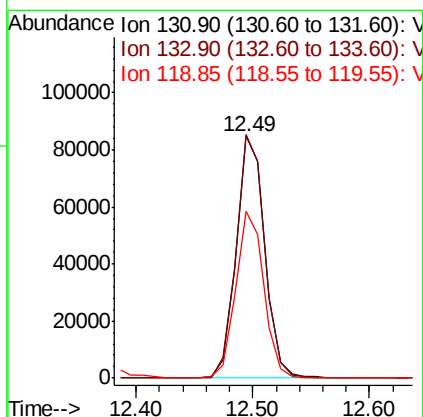
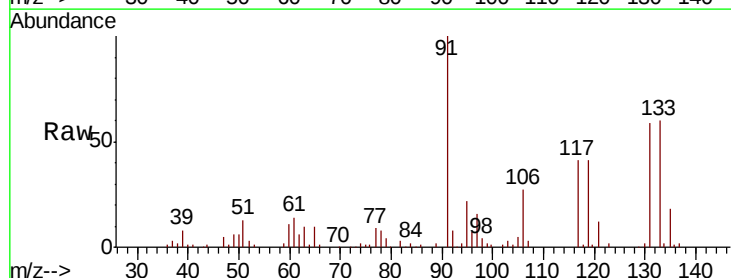
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

Tot Ion:112 Resp: 341376
Ion Ratio Lower Upper
112 100
114 31.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.451 ug/l
RT: 12.49 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

Tgt Ion:131 Resp: 142337
Ion Ratio Lower Upper
131 100
133 100.6 48.6 145.8
119 68.8 34.7 104.1

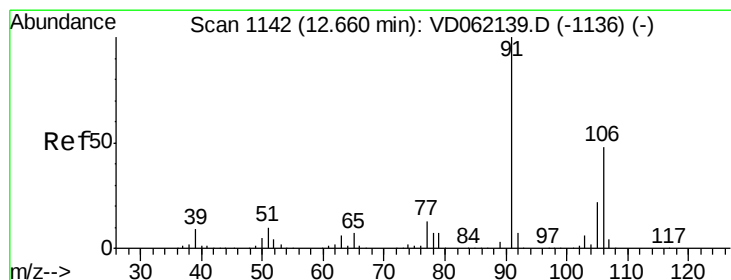
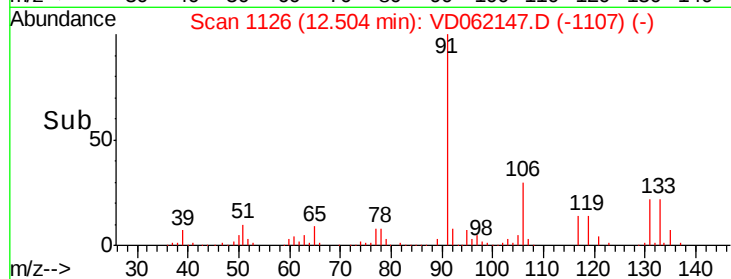
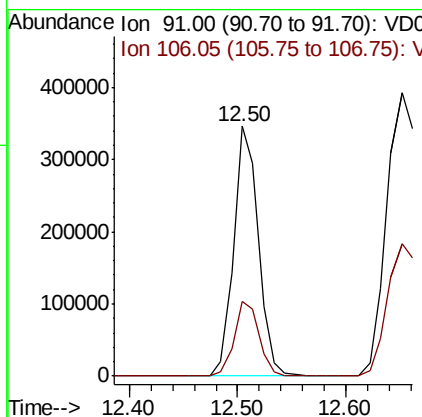
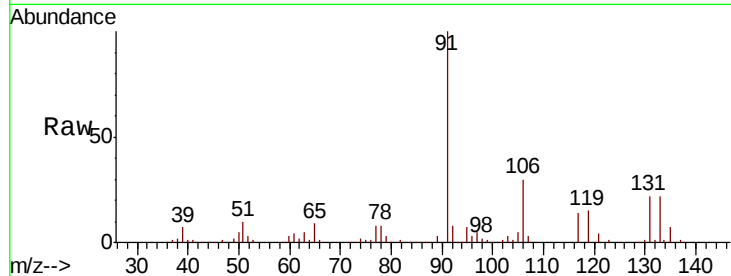




#67
Ethyl Benzene
Concen: 19.484 ug/l
RT: 12.50 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

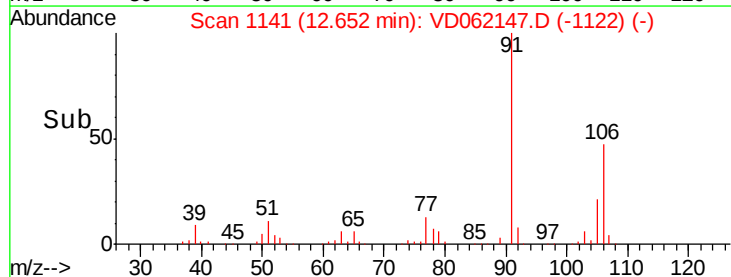
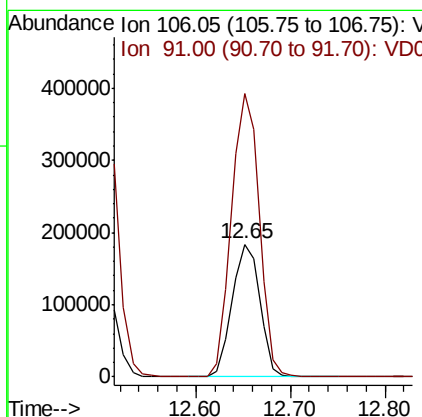
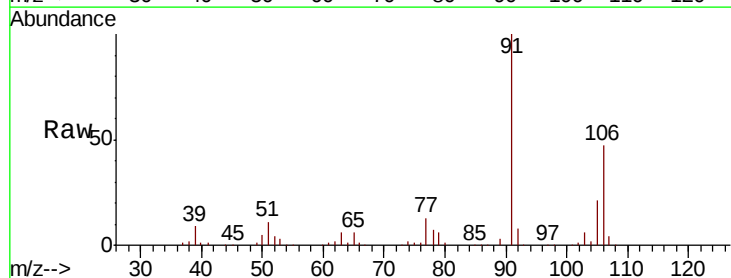
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

Tot Ion: 91 Resp: 548467
Ion Ratio Lower Upper
91 100
106 29.7 24.7 37.1



#68
m/p-Xylenes
Concen: 36.360 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

Tgt Ion: 106 Resp: 372376
Ion Ratio Lower Upper
106 100
91 213.8 164.0 246.0

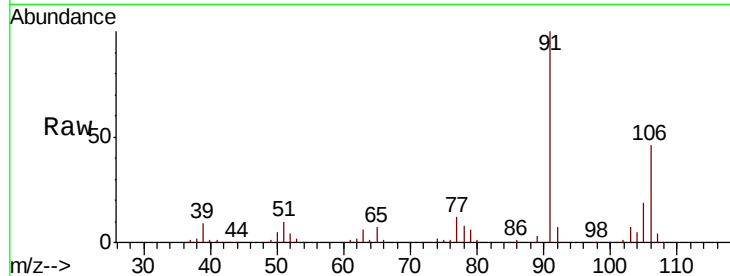




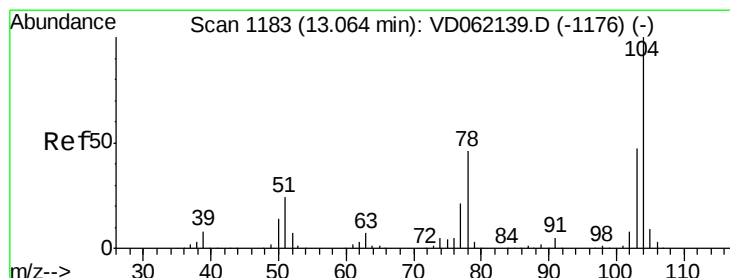
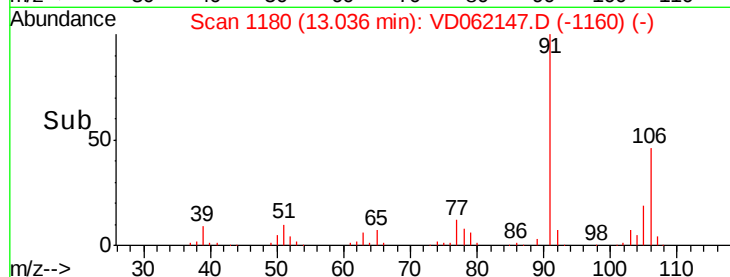
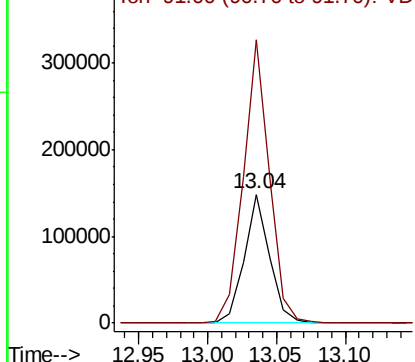
#69
o-Xylene
Concen: 20.134 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

Tot Ion:106 Resp: 191697
Ion Ratio Lower Upper
106 100
91 219.4 106.7 319.9

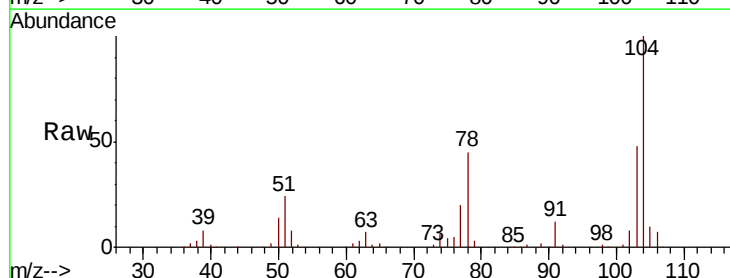


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

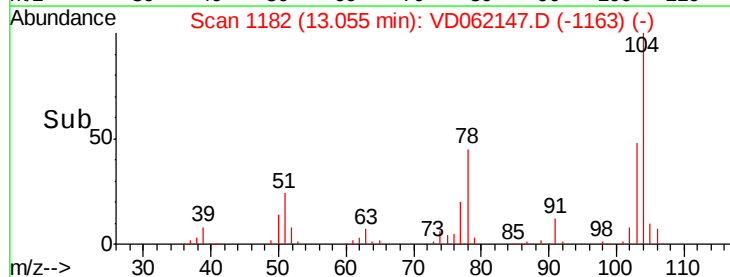
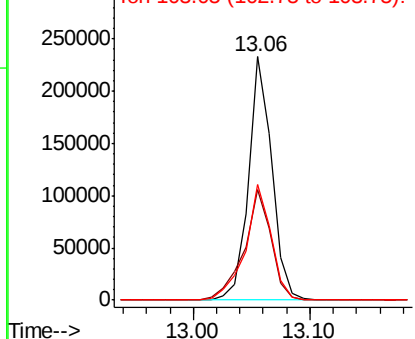


#70
Styrene
Concen: 19.971 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

Tgt Ion:104 Resp: 322114
Ion Ratio Lower Upper
104 100
78 45.4 35.4 53.2
103 47.5 37.5 56.3



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

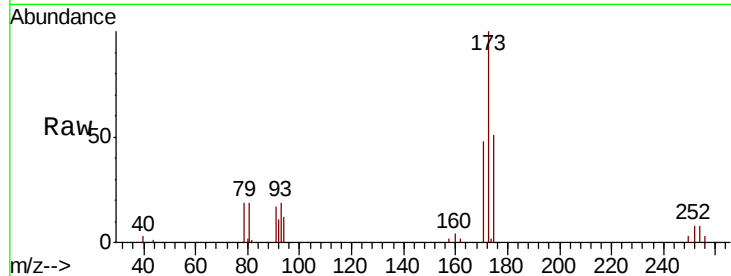




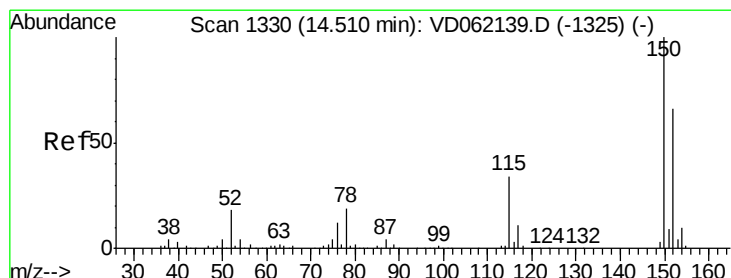
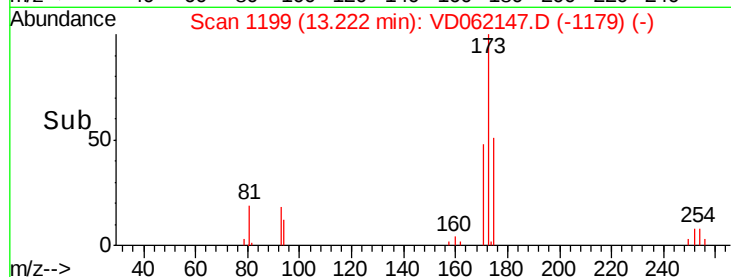
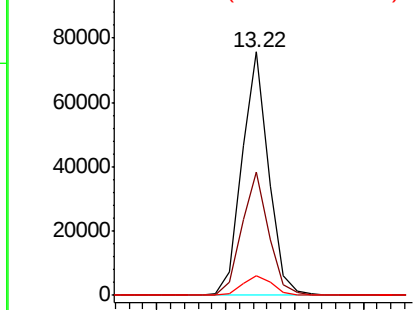
#71
Bromoform
Concen: 19.920 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

Tot Ion:173 Resp: 101416
Ion Ratio Lower Upper
173 100
175 50.7 24.4 73.4
254 8.0 5.4 8.2

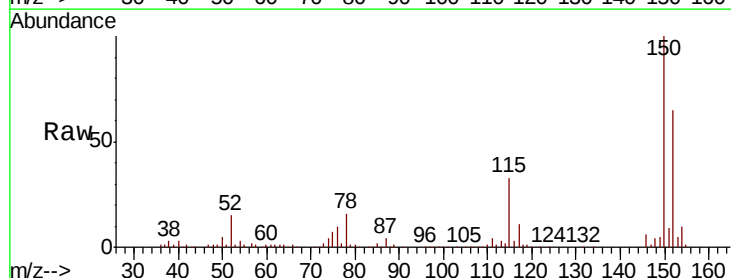


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

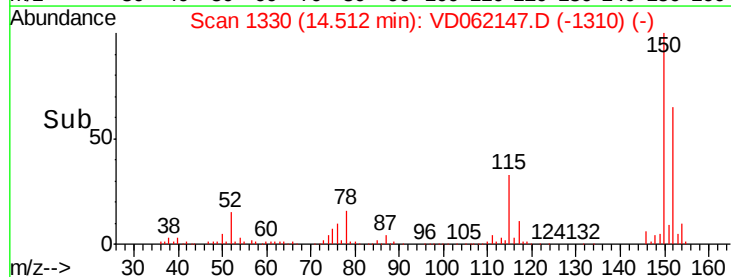
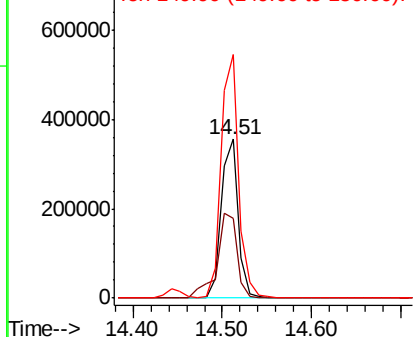


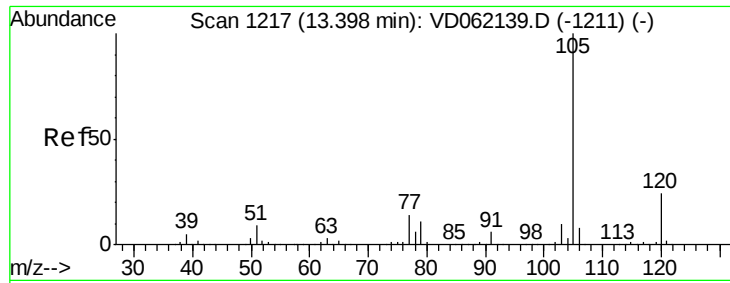
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

Tgt Ion:152 Resp: 473155
Ion Ratio Lower Upper
152 100
115 50.1 30.9 92.7
150 153.4 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

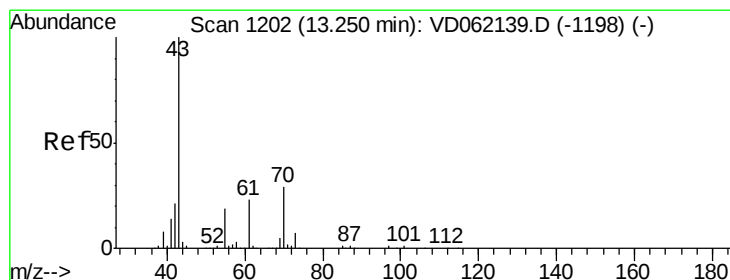
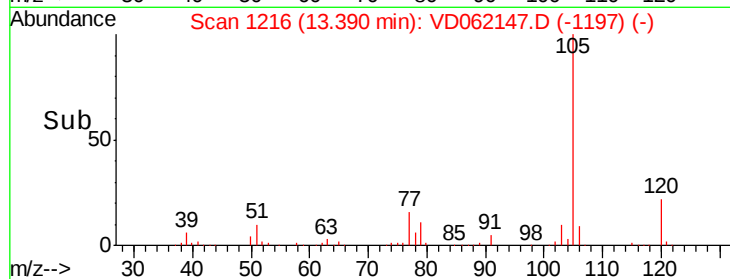
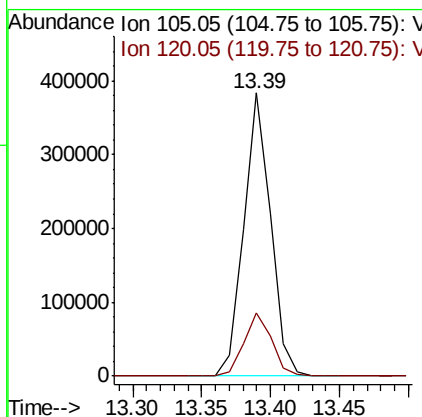
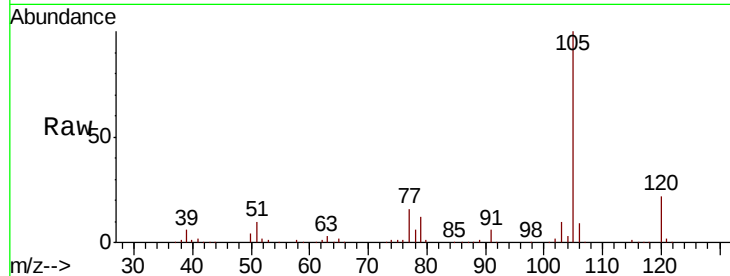




#73
Isopropylbenzene
Concen: 18.333 ug/l
RT: 13.39 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

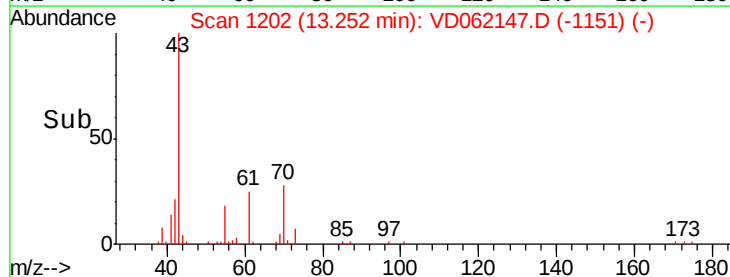
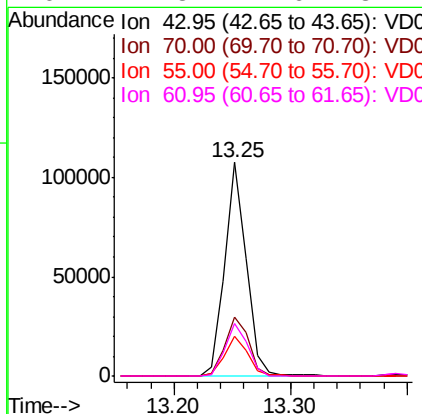
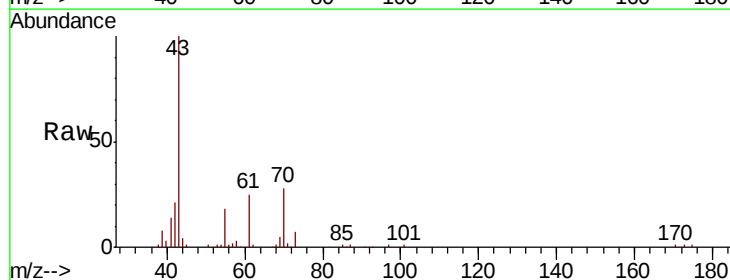
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

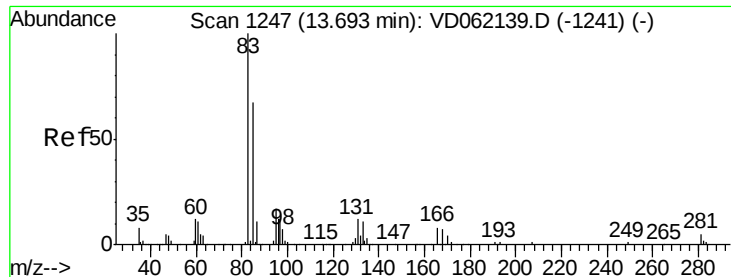
Tot Ion:105 Resp: 519978
Ion Ratio Lower Upper
105 100
120 22.3 12.0 36.1



#74
N-ethyl acetate
Concen: 18.592 ug/l
RT: 13.25 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

Tgt Ion: 43 Resp: 138253
Ion Ratio Lower Upper
43 100
70 27.5 24.2 36.4
55 18.5 16.0 24.0
61 24.8 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.216 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

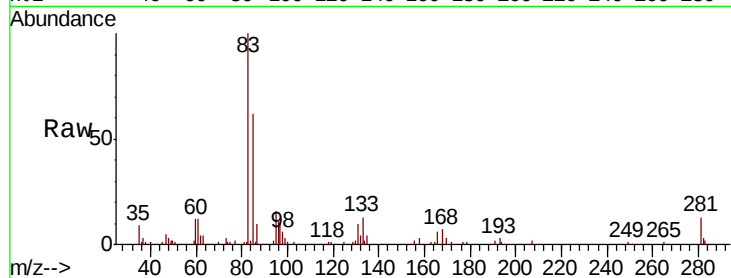
Tot Ion: 83 Resp: 108548

Ion Ratio Lower Upper

83 100

131 10.2 5.0 14.9

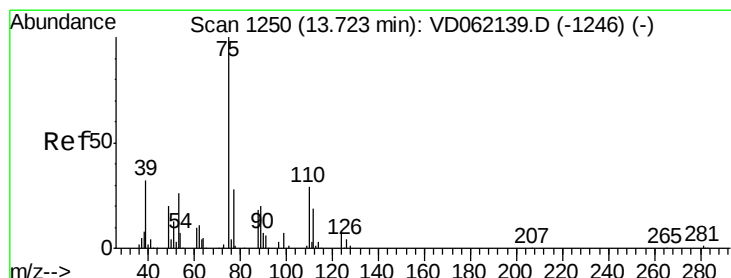
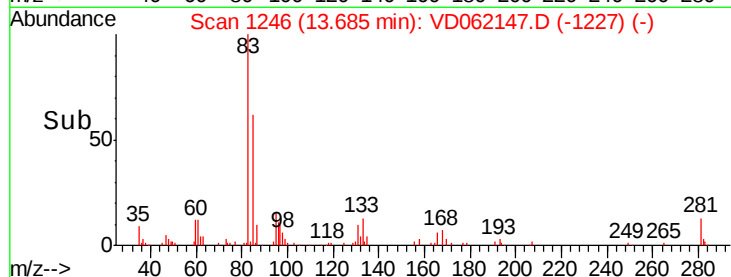
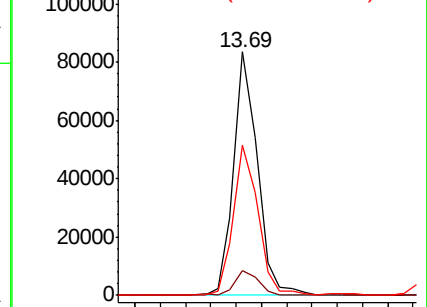
85 61.8 32.6 97.7



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: 19.335 ug/l

RT: 13.72 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062147.D

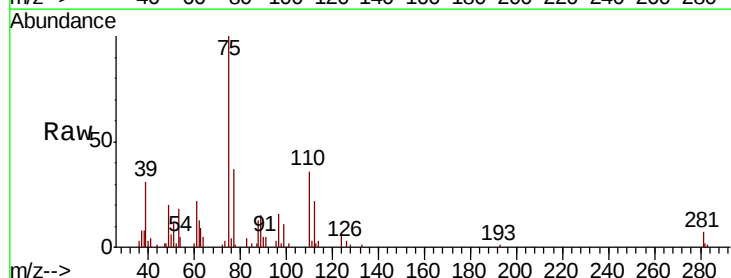
Acq: 7 May 2019 23:00

Tgt Ion: 75 Resp: 108723

Ion Ratio Lower Upper

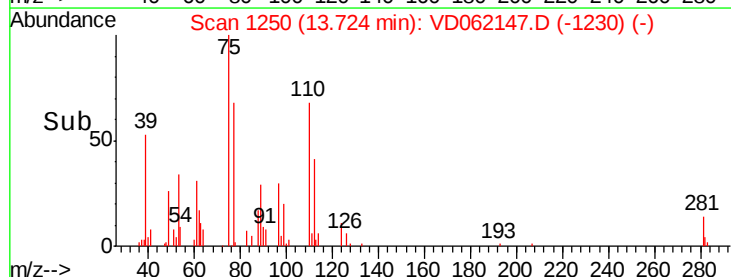
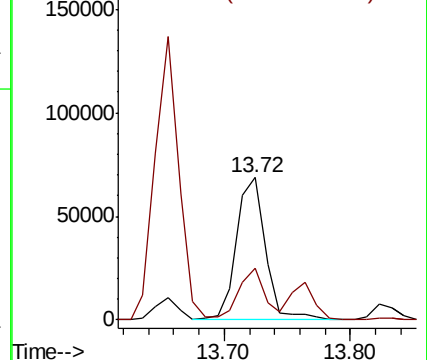
75 100

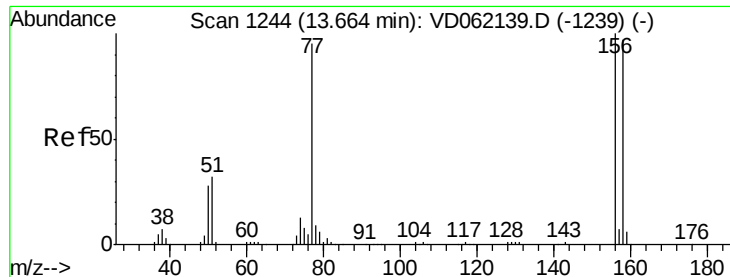
77 36.6 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.407 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

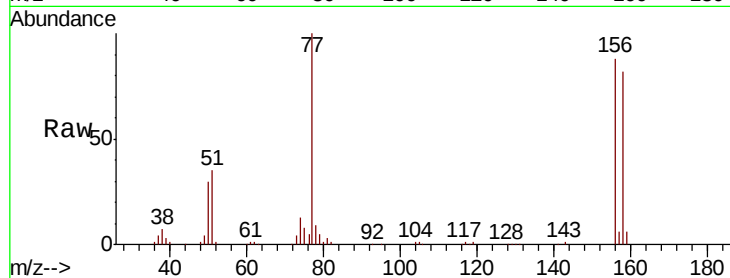
Tot Ion:156 Resp: 154087

Ion Ratio Lower Upper

156 100

77 114.2 53.1 159.4

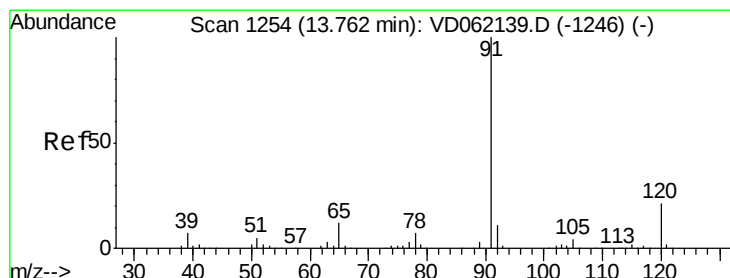
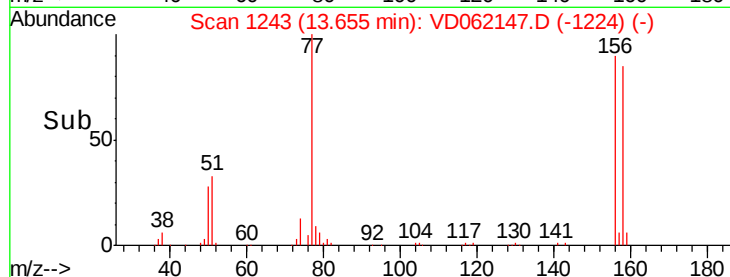
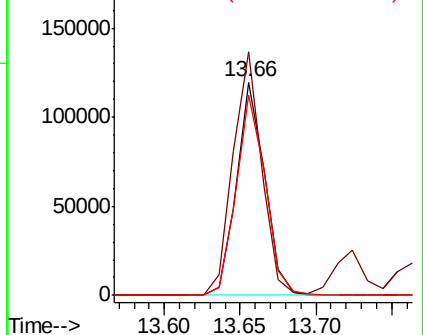
158 93.8 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.561 ug/l

RT: 13.76 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD062147.D

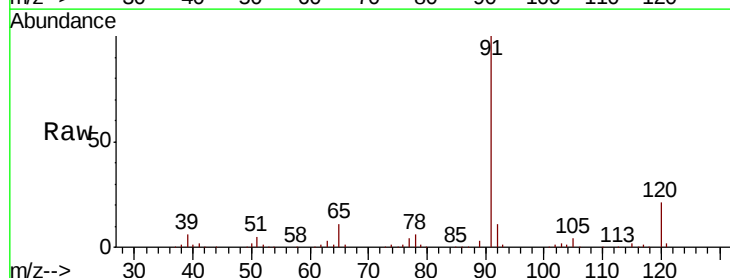
Acq: 7 May 2019 23:00

Tgt Ion: 91 Resp: 661793

Ion Ratio Lower Upper

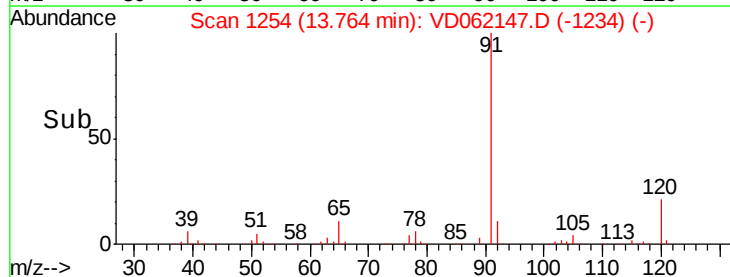
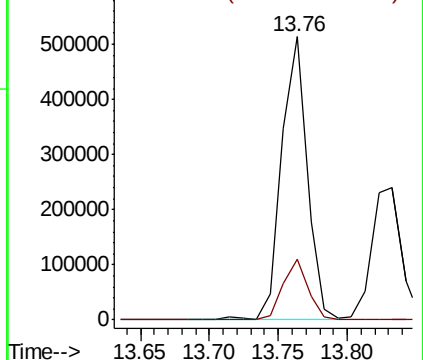
91 100

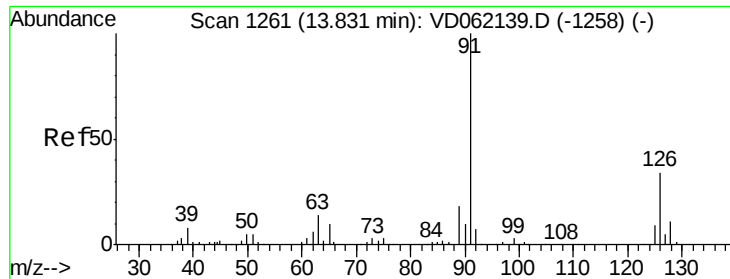
120 21.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 18.580 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

Instrument :

MSVOA_D

ClientSampleId :

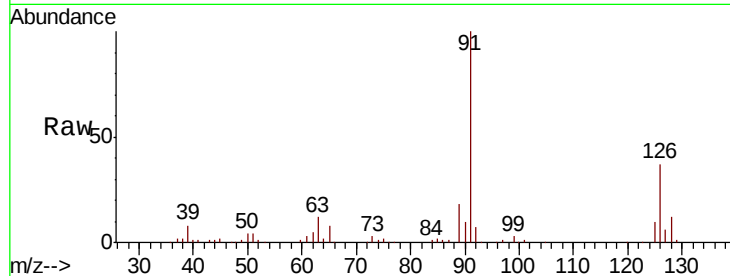
VD0507SBS01

Tot Ion: 91 Resp: 360021

Ion Ratio Lower Upper

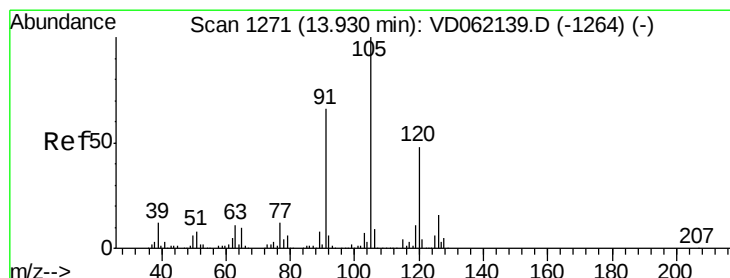
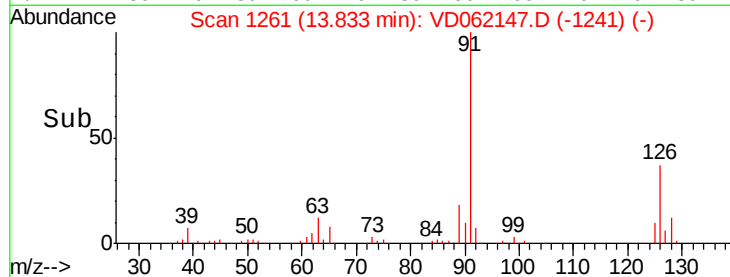
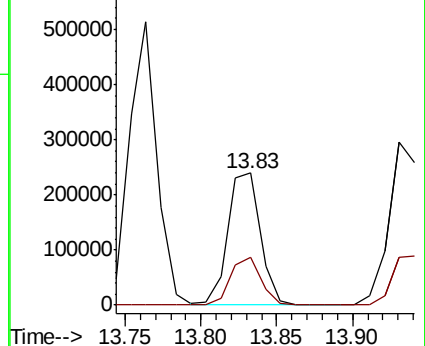
91 100

126 36.7 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VD062147.D (-1241) (-)

Ion 125.95 (125.65 to 126.65): VD062147.D (-1241) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.713 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062147.D

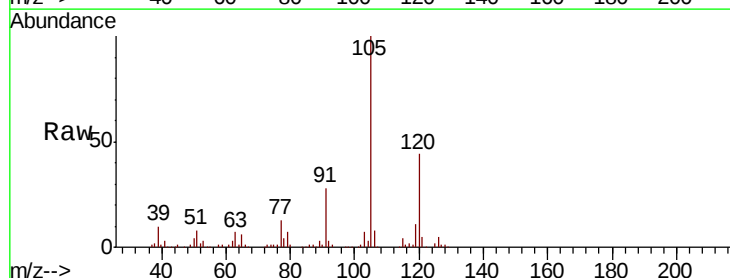
Acq: 7 May 2019 23:00

Tgt Ion:105 Resp: 423058

Ion Ratio Lower Upper

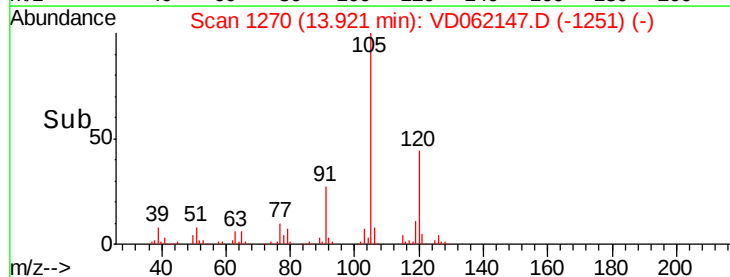
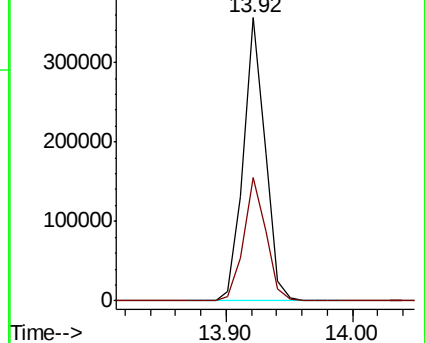
105 100

120 43.6 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD062147.D (-1251) (-)

Ion 120.05 (119.75 to 120.75): VD062147.D (-1251) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.114 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBSD01

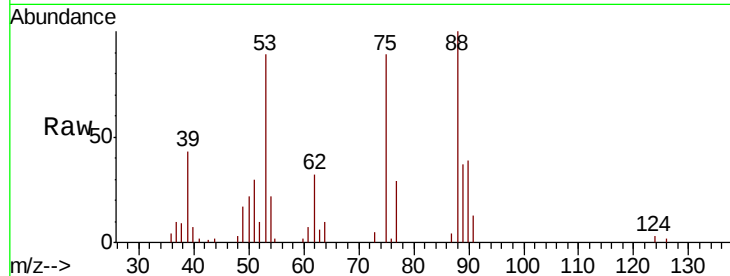
Tot Ion: 75 Resp: 28754

Ion Ratio Lower Upper

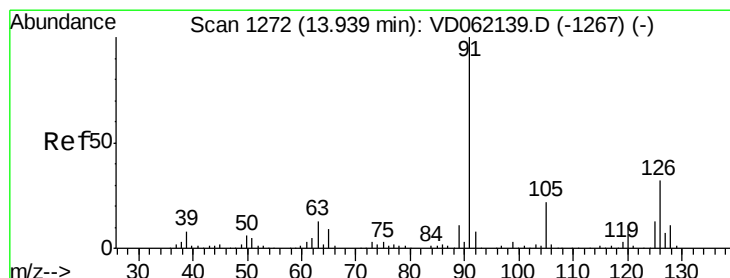
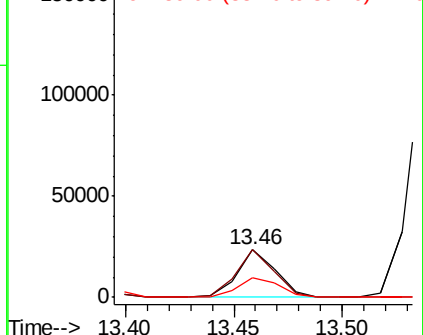
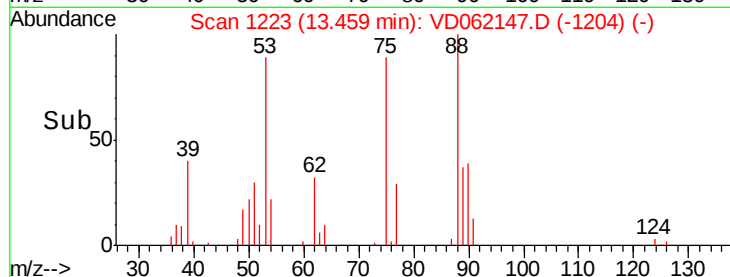
75 100

53 99.8 65.8 98.8#

89 41.4 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 19.154 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD062147.D

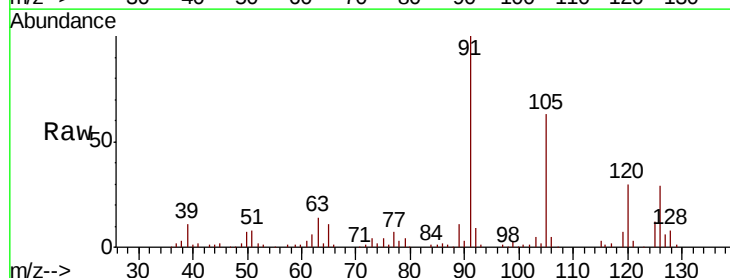
Acq: 7 May 2019 23:00

Tgt Ion: 91 Resp: 436752

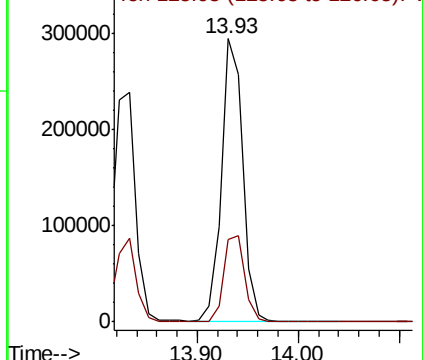
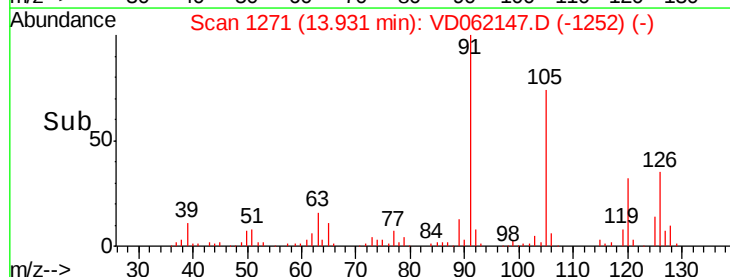
Ion Ratio Lower Upper

91 100

126 29.3 19.1 57.5



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

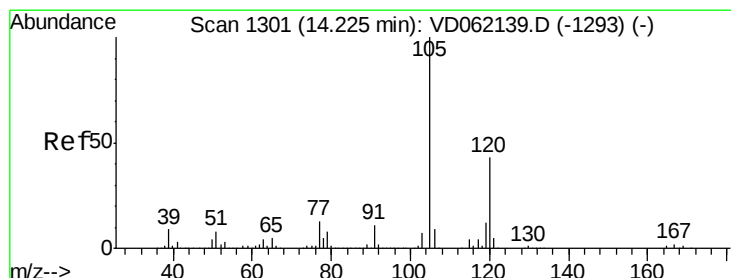
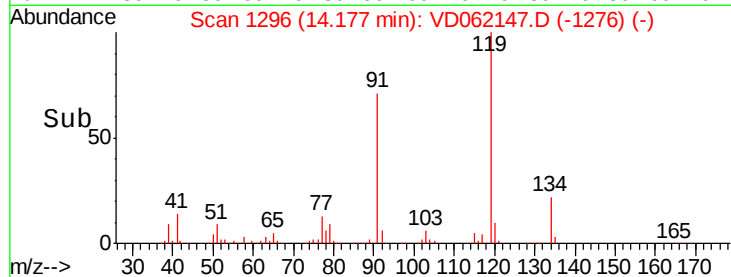
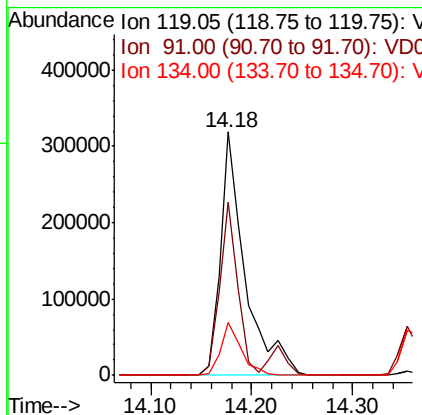
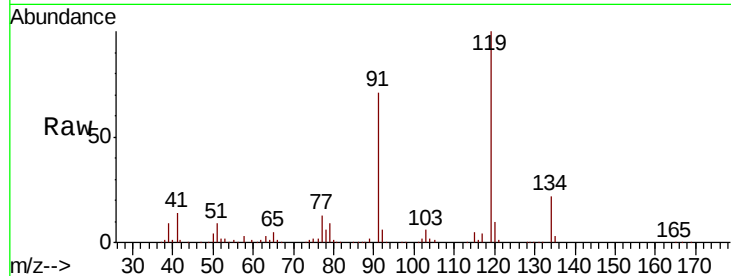




#83
 tert-Butylbenzene
 Concen: 20.055 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD062147.D
 Acq: 7 May 2019 23:00

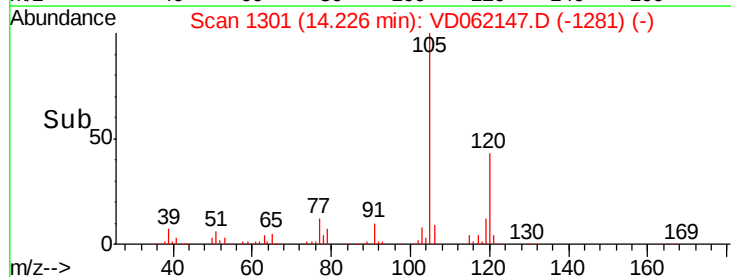
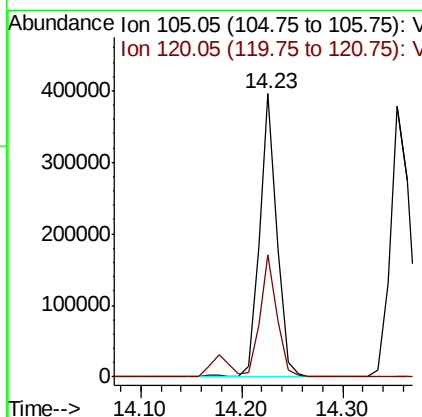
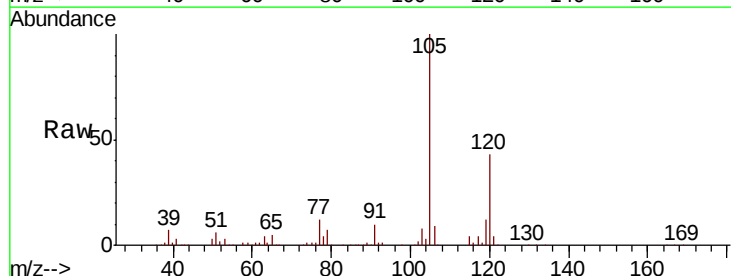
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

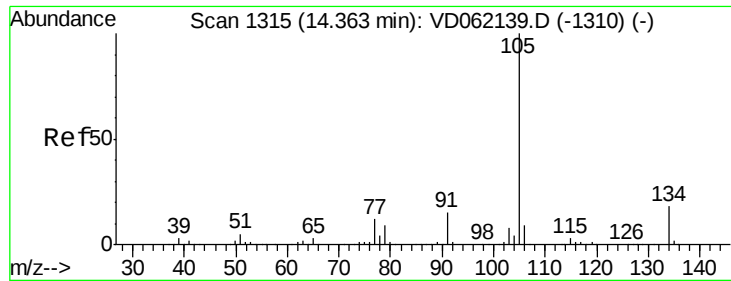
Tot Ion:119 Resp: 538369
 Ion Ratio Lower Upper
 119 100
 91 71.1 34.2 102.6
 134 21.7 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 19.771 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD062147.D
 Acq: 7 May 2019 23:00

Tgt Ion:105 Resp: 473846
 Ion Ratio Lower Upper
 105 100
 120 43.1 23.1 69.2

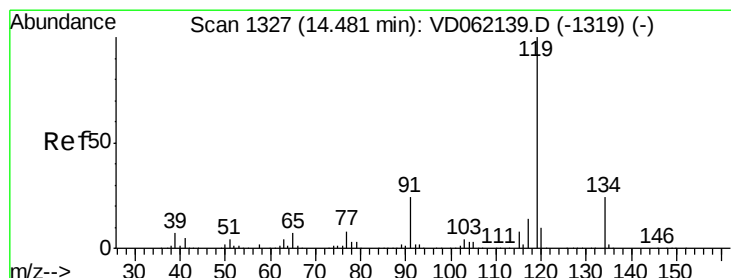
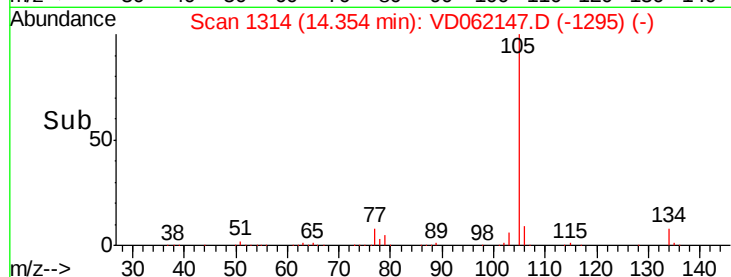
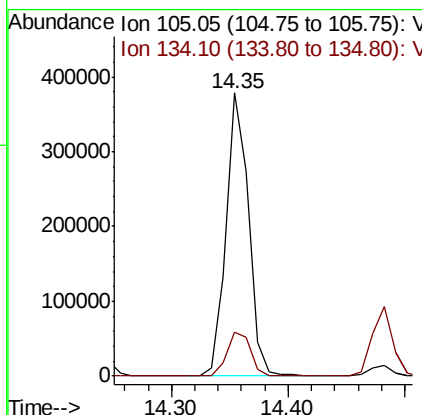
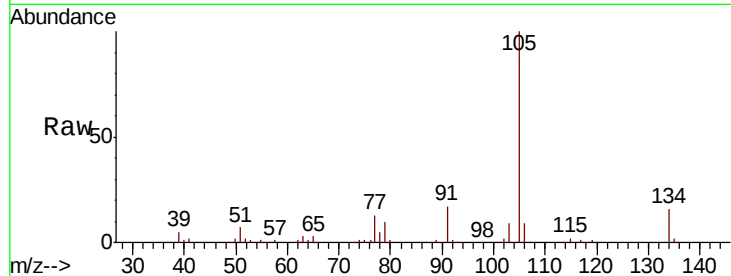




#85
 sec-Butylbenzene
 Concen: 17.081 ug/l
 RT: 14.35 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062147.D
 Acq: 7 May 2019 23:00

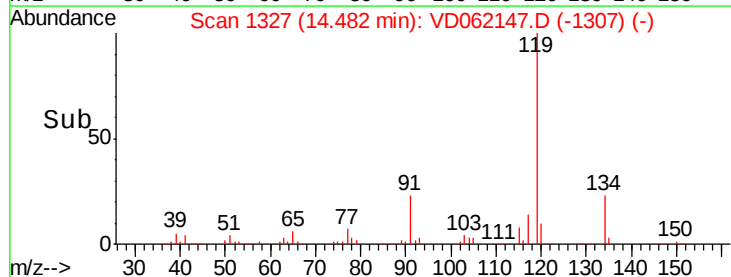
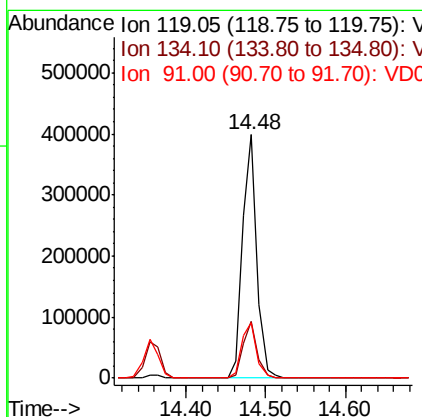
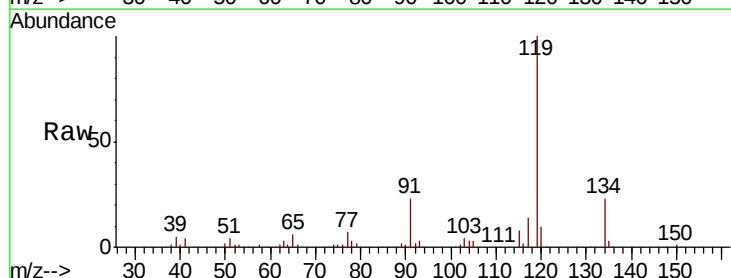
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

Tot Ion:105 Resp: 502749
 Ion Ratio Lower Upper
 105 100
 134 15.7 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 18.813 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD062147.D
 Acq: 7 May 2019 23:00

Tgt Ion:119 Resp: 494721
 Ion Ratio Lower Upper
 119 100
 134 23.4 12.8 38.3
 91 22.8 10.7 32.1

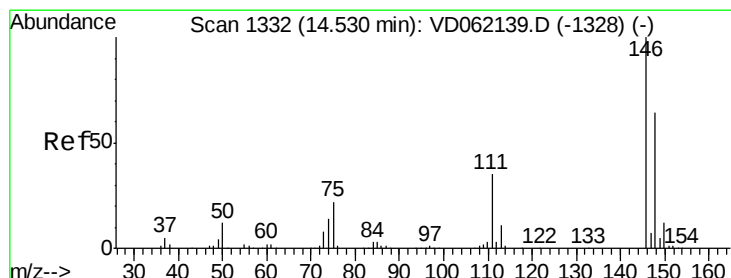
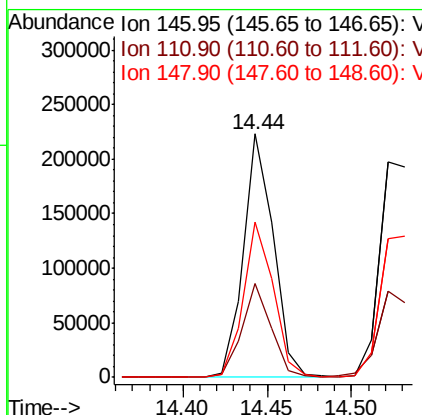
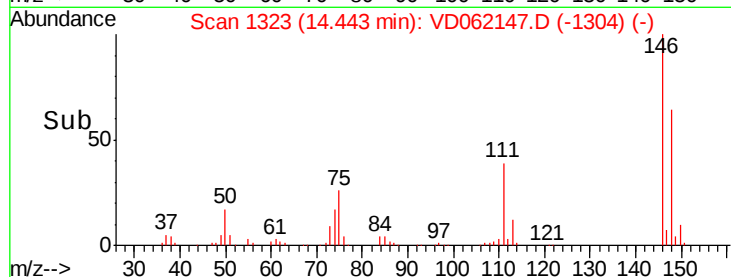
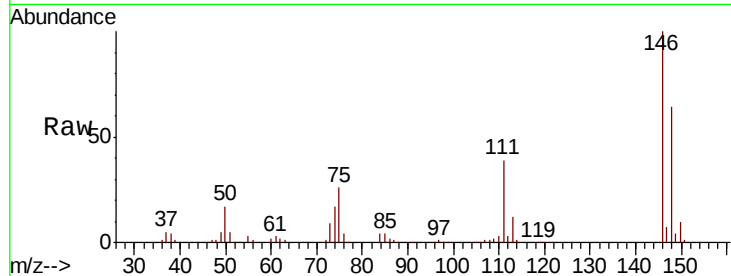




#87
 1,3-Dichlorobenzene
 Concen: 19.019 ug/l
 RT: 14.44 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062147.D
 Acq: 7 May 2019 23:00

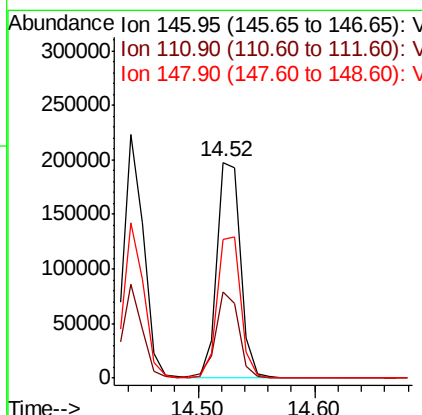
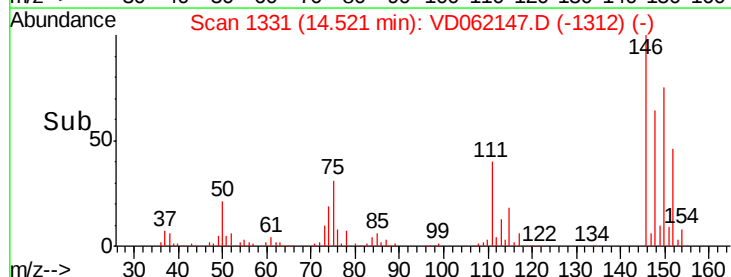
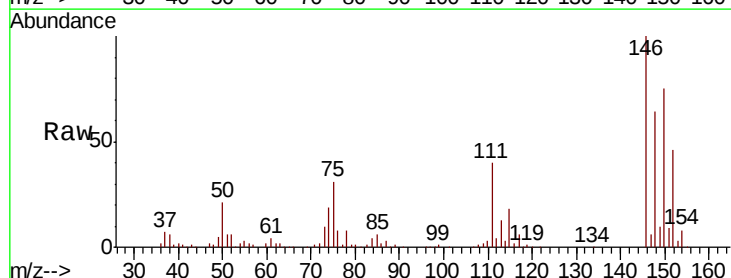
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

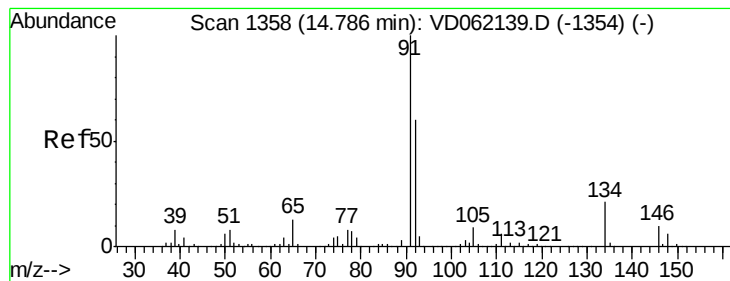
Tot Ion:146 Resp: 275848
 Ion Ratio Lower Upper
 146 100
 111 38.5 20.0 60.0
 148 63.8 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.479 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062147.D
 Acq: 7 May 2019 23:00

Tgt Ion:146 Resp: 277603
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.2 60.5
 148 64.2 32.0 96.2





#89

n-Butylbenzene

Concen: 18.707 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD062147.D

Acq: 7 May 2019 23:00

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

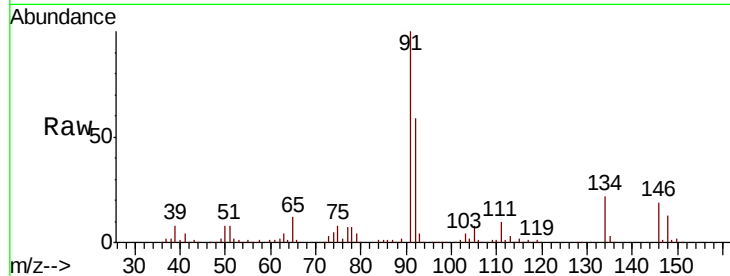
Tot Ion: 91 Resp: 441549

Ion Ratio Lower Upper

91 100

92 58.9 30.3 91.0

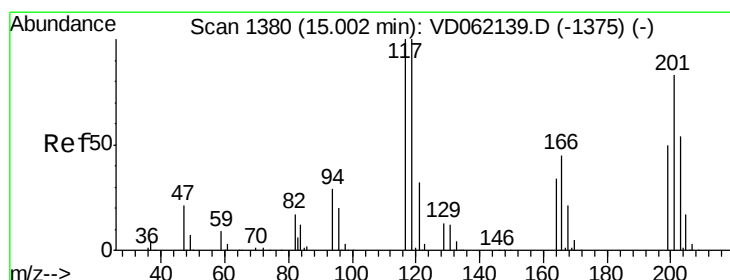
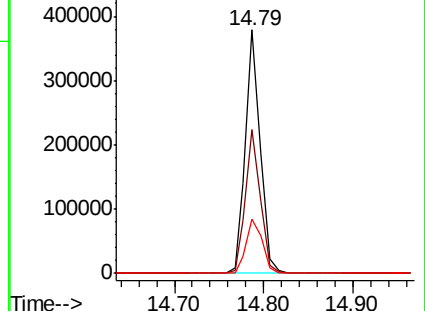
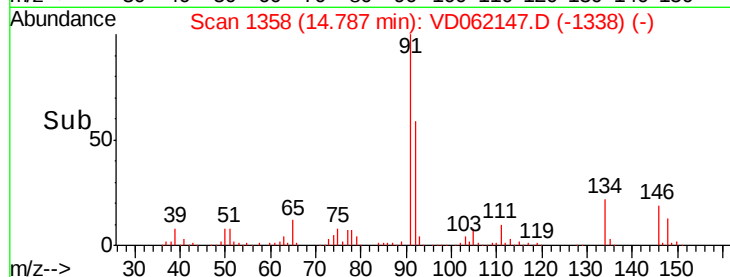
134 22.4 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 18.558 ug/l

RT: 14.99 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD062147.D

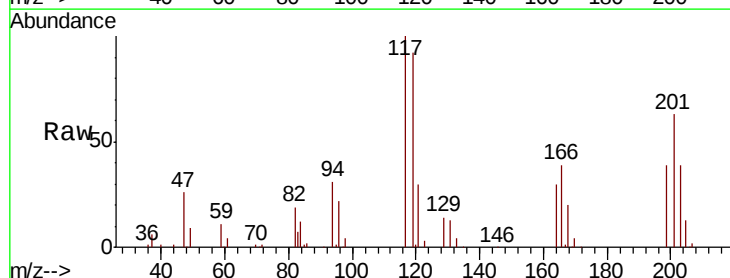
Acq: 7 May 2019 23:00

Tgt Ion: 117 Resp: 132711

Ion Ratio Lower Upper

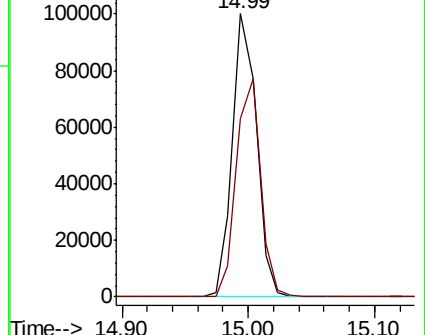
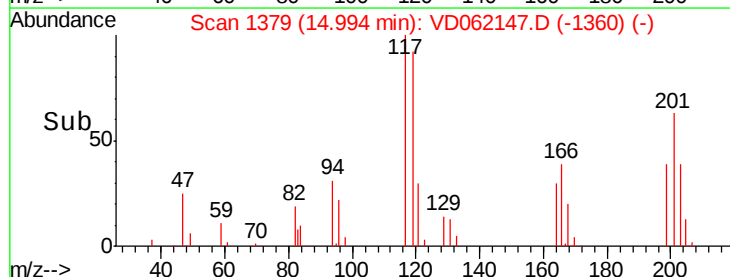
117 100

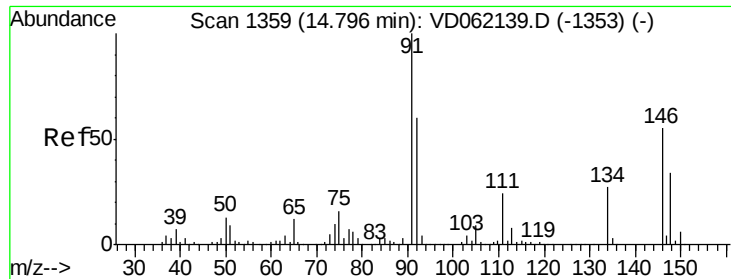
201 62.9 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

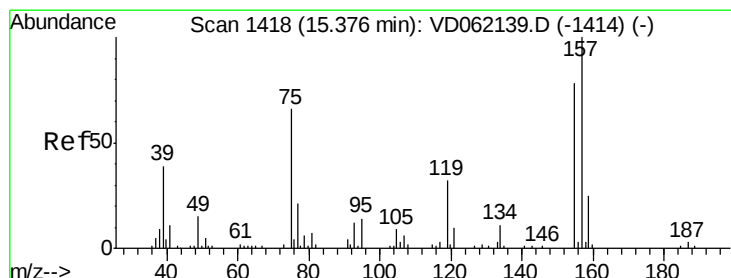
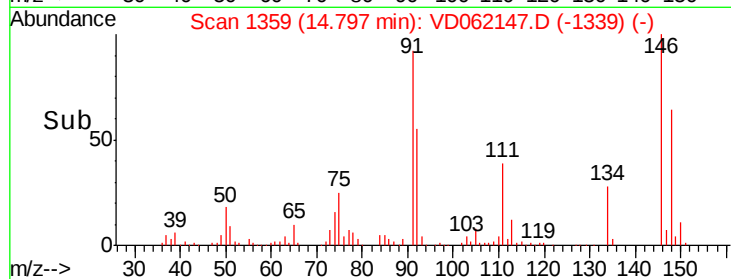
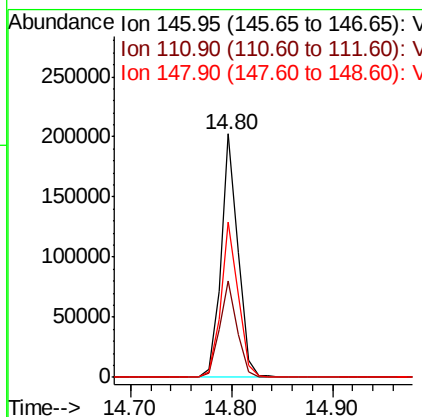
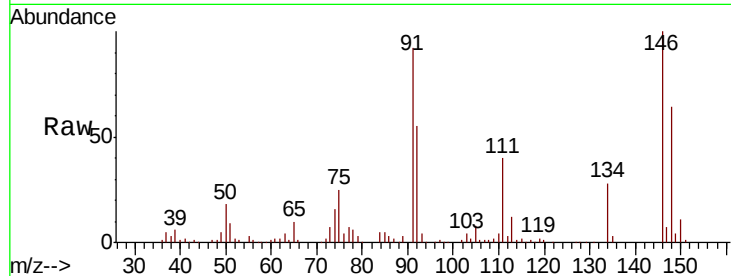




#91
 1,2-Dichlorobenzene
 Concen: 19.920 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD062147.D
 Acq: 7 May 2019 23:00

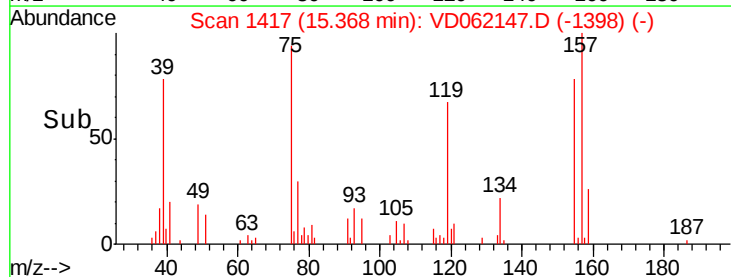
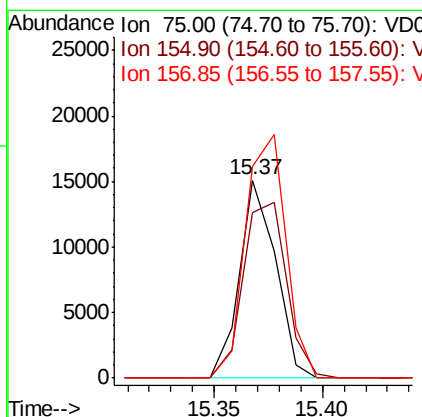
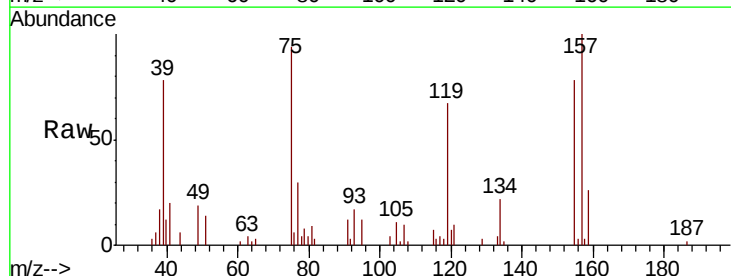
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBSD01

Tot Ion:146 Resp: 237943
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.0 59.9
 148 63.6 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.885 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD062147.D
 Acq: 7 May 2019 23:00

Tgt Ion: 75 Resp: 17526
 Ion Ratio Lower Upper
 75 100
 155 83.6 55.3 165.8
 157 106.9 67.8 203.2

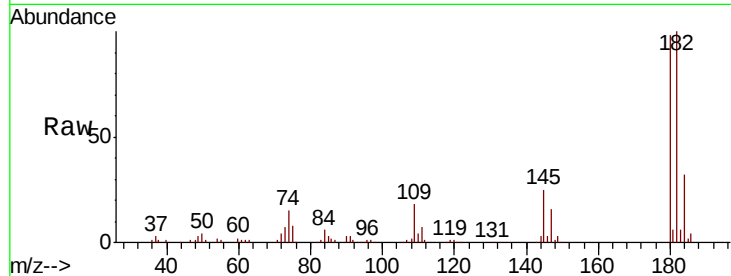




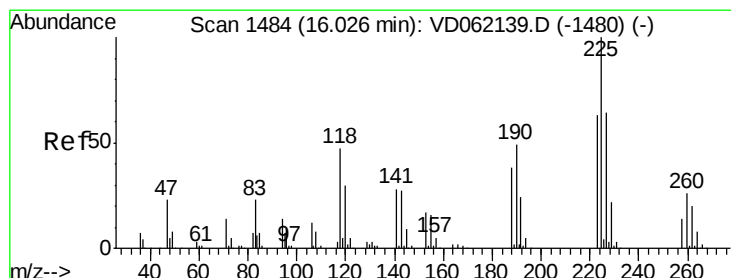
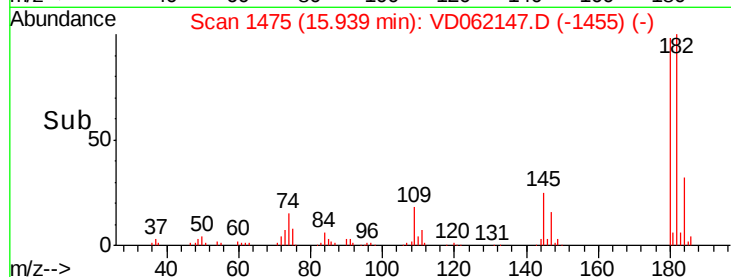
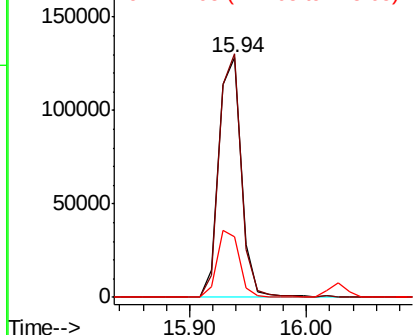
#93
 1,2,4-Trichlorobenzene
 Concen: 19.945 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062147.D
 Acq: 7 May 2019 23:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBSD01

Tot Ion:180 Resp: 173402
 Ion Ratio Lower Upper
 180 100
 182 101.8 49.3 147.8
 145 25.3 16.2 48.6

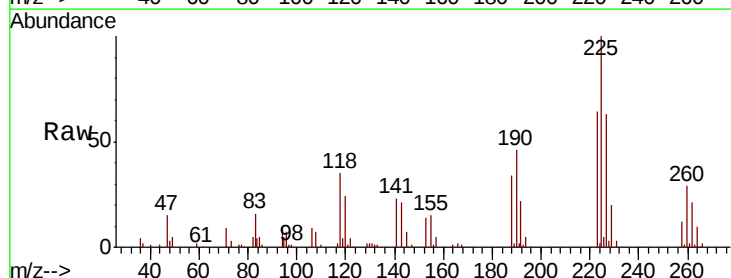


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

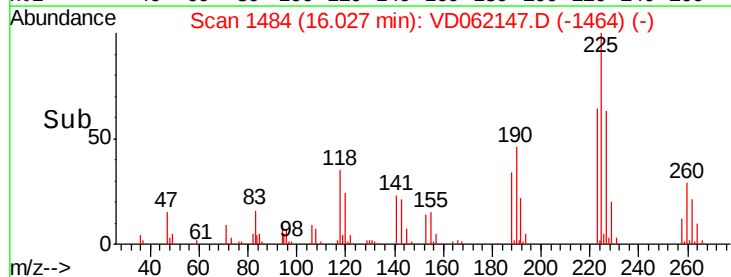
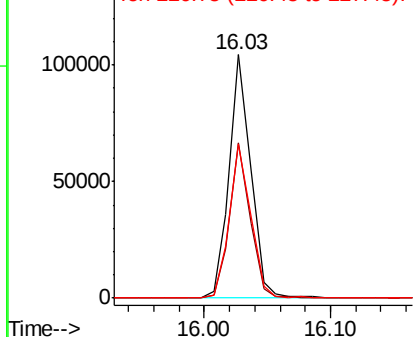


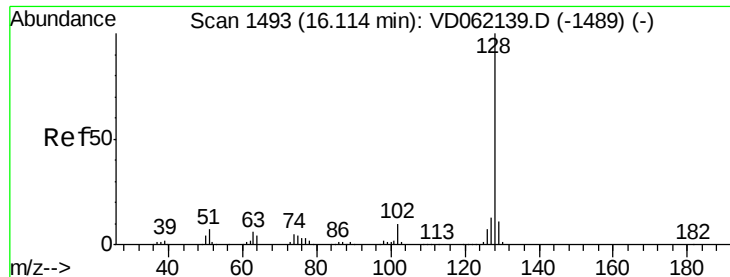
#94
 Hexachlorobutadiene
 Concen: 19.047 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062147.D
 Acq: 7 May 2019 23:00

Tgt Ion:225 Resp: 123169
 Ion Ratio Lower Upper
 225 100
 223 63.8 30.6 92.0
 227 63.4 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

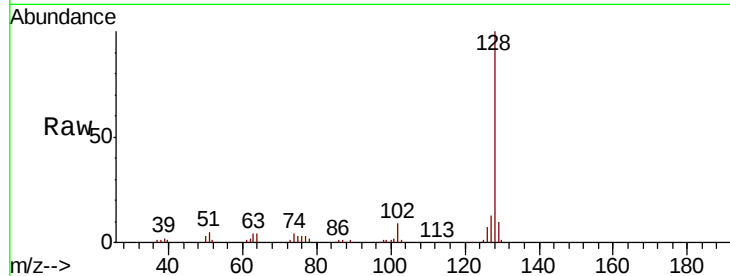




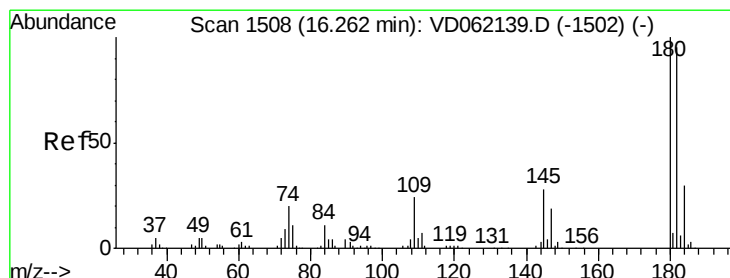
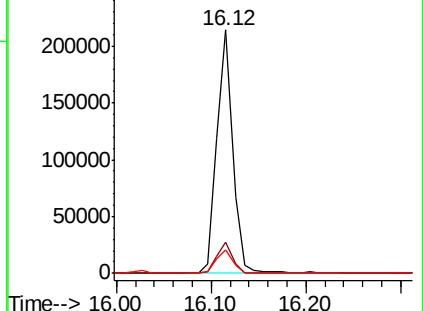
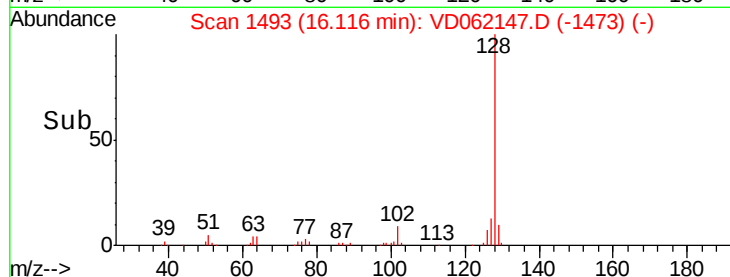
#95
Naphthalene
Concen: 20.768 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

Instrument :
MSVOA_D
ClientSampleId :
VD0507SBSD01

Tot Ion:128 Resp: 252088
Ion Ratio Lower Upper
128 100
127 12.7 9.8 14.8
129 9.7 8.8 13.2

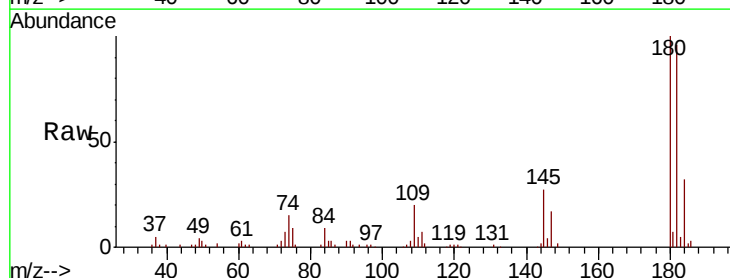


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 22.726 ug/l
RT: 16.26 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062147.D
Acq: 7 May 2019 23:00

Tgt Ion:180 Resp: 124229
Ion Ratio Lower Upper
180 100
182 95.9 47.0 141.0
145 27.4 17.0 51.0



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

