

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062275.D
 Acq On : 13 May 2019 00:04
 Operator : FY/SY
 Sample : VD0512SBS02
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBS02

Quant Time: May 13 03:16:17 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	7.06	168	626434	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	879074	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	729380	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	397758	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	309829	53.22	ug/l	0.04
Spiked Amount	50.000		Recovery	=	106.44%	
35) Dibromofluoromethane	6.94	113	360137	49.38	ug/l	0.04
Spiked Amount	50.000		Recovery	=	98.76%	
50) Toluene-d8	10.42	98	770667	43.82	ug/l	0.02
Spiked Amount	50.000		Recovery	=	87.64%	
62) 4-Bromofluorobenzene	13.56	95	365206	51.72	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	116995	19.527	ug/l	98
3) Chloromethane	1.75	50	78672	18.173	ug/l	95
4) Vinyl Chloride	1.85	62	81099	19.061	ug/l	90
5) Bromomethane	2.16	94	26311	26.392	ug/l	93
6) Chloroethane	2.26	64	37209	20.842	ug/l	96
7) Trichlorofluoromethane	2.53	101	186331	22.527	ug/l	93
8) Diethyl Ether	2.88	74	28061	17.590	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.15	101	122881	19.638	ug/l #	90
10) Methyl Iodide	3.31	142	133139	14.078	ug/l	91
11) Tert butyl alcohol	4.08	59	32845	110.531	ug/l #	95
12) 1,1-Dichloroethene	3.13	96	88277	18.482	ug/l	84
13) Acrolein	3.04	56	23174	75.399	ug/l #	83
14) Allyl chloride	3.63	41	129890	18.703	ug/l #	79
15) Acrylonitrile	4.21	53	80325	102.840	ug/l #	84
16) Acetone	3.24	43	118911	97.401	ug/l #	83
17) Carbon Disulfide	3.38	76	208553	15.178	ug/l	99
18) Methyl Acetate	3.65	43	44171	20.048	ug/l	91
19) Methyl tert-butyl Ether	4.25	73	221306	21.616	ug/l #	91
20) Methylene Chloride	3.83	84	98162	19.257	ug/l	89
21) trans-1,2-Dichloroethene	4.23	96	101930	19.177	ug/l	94
22) Diisopropyl ether	5.13	45	298087	20.170	ug/l #	87
23) Vinyl Acetate	5.07	43	870386	111.625	ug/l #	95
24) 1,1-Dichloroethane	5.00	63	182340	20.452	ug/l	99
25) 2-Butanone	6.08	43	136894	102.801	ug/l	96
26) 2,2-Dichloropropane	6.03	77	183231	20.632	ug/l	94
27) cis-1,2-Dichloroethene	6.05	96	116270	19.543	ug/l	94
28) Bromochloromethane	6.45	49	84227	24.012	ug/l	84
29) Tetrahydrofuran	6.47	42	64809	105.627	ug/l	92
30) Chloroform	6.68	83	229439	21.354	ug/l	97
31) Cyclohexane	6.97	56	111139	18.196	ug/l	98
32) 1,1,1-Trichloroethane	6.89	97	233888	23.030	ug/l	98
36) 1,1-Dichloropropene	7.16	75	153304	21.270	ug/l	94
37) Ethyl Acetate	6.20	43	66307	21.693	ug/l #	89
38) Carbon Tetrachloride	7.12	117	228744	22.930	ug/l	98

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	119289	17.274	ug/l	97
40) Benzene	7.47	78	303527	18.649	ug/l	99
41) Methacrylonitrile	6.47	41	84690	22.673	ug/l #	84
42) 1,2-Dichloroethane	7.59	62	167948	24.355	ug/l	91
43) Isopropyl Acetate	9.25	43	89516	20.650	ug/l	91
44) Trichloroethene	8.55	130	112356	18.116	ug/l	80
45) 1,2-Dichloropropane	8.95	63	77836	19.334	ug/l	97
46) Dibromomethane	9.07	93	68374	20.886	ug/l	99
47) Bromodichloromethane	9.39	83	176536	22.046	ug/l	99
48) Methyl methacrylate	9.13	41	59395	22.244	ug/l #	77
49) 1,4-Dioxane	9.10	88	11189	388.373	ug/l	94
51) 4-Methyl-2-Pentanone	10.31	43	310654	111.483	ug/l #	87
52) Toluene	10.52	92	223119	21.070	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	146115	21.112	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	150216	19.896	ug/l #	87
55) 1,1,2-Trichloroethane	11.20	97	74586	19.906	ug/l	96
56) Ethyl methacrylate	11.05	69	79735	20.479	ug/l #	81
57) 1,3-Dichloropropane	11.42	76	114361	20.203	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	219022	102.983	ug/l	98
59) 2-Hexanone	11.54	43	229809	111.894	ug/l	85
60) Dibromochloromethane	11.69	129	131667	20.334	ug/l	96
61) 1,2-Dibromoethane	11.82	107	90477	19.862	ug/l	98
64) Tetrachloroethene	11.27	164	108616	19.044	ug/l	96
65) Chlorobenzene	12.41	112	259334	19.090	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	126177	21.341	ug/l	96
67) Ethyl Benzene	12.53	91	463485	20.379	ug/l	93
68) m/p-Xylenes	12.68	106	342323	41.371	ug/l	84
69) o-Xylene	13.06	106	157281	20.445	ug/l	81
70) Styrene	13.08	104	260959	20.025	ug/l	94
71) Bromoform	13.25	173	87775	21.339	ug/l #	97
73) Isopropylbenzene	13.41	105	440676	18.483	ug/l	96
74) N-amyl acetate	13.28	43	130226	20.832	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	92019	20.386	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	100916	21.349	ug/l	98
77) Bromobenzene	13.68	156	139559	20.909	ug/l	96
78) n-propylbenzene	13.78	91	573035	20.148	ug/l	92
79) 2-Chlorotoluene	13.85	91	343906	21.113	ug/l	90
80) 1,3,5-Trimethylbenzene	13.93	105	374226	18.639	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.48	75	24358	18.253	ug/l #	72
82) 4-Chlorotoluene	13.95	91	390949	20.396	ug/l	89
83) tert-Butylbenzene	14.19	119	425241	18.843	ug/l	85
84) 1,2,4-Trimethylbenzene	14.24	105	406428	20.172	ug/l	89
85) sec-Butylbenzene	14.37	105	496129	20.051	ug/l	94
86) p-Isopropyltoluene	14.50	119	436720	19.756	ug/l	93
87) 1,3-Dichlorobenzene	14.46	146	243430	19.965	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	231823	19.351	ug/l	95
89) n-Butylbenzene	14.80	91	425811	21.460	ug/l	91
90) Hexachloroethane	15.02	117	118389	19.693	ug/l	63
91) 1,2-Dichlorobenzene	14.81	146	216996	21.610	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	16219	21.890	ug/l	62

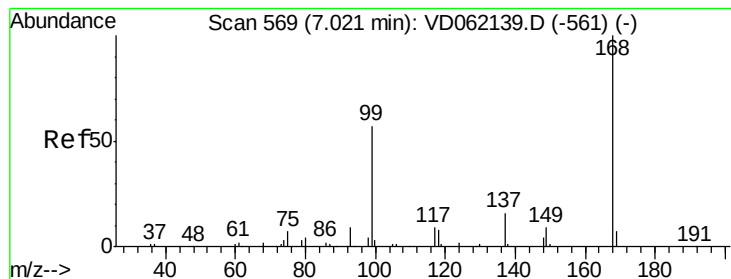
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051219\
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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	159862	21.873	ug/l	95
94) Hexachlorobutadiene	16.04	225	105885	19.478	ug/l	98
95) Naphthalene	16.13	128	225917	22.140	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	111234	24.206	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Instrument :

MSVOA_D

ClientSampleId :

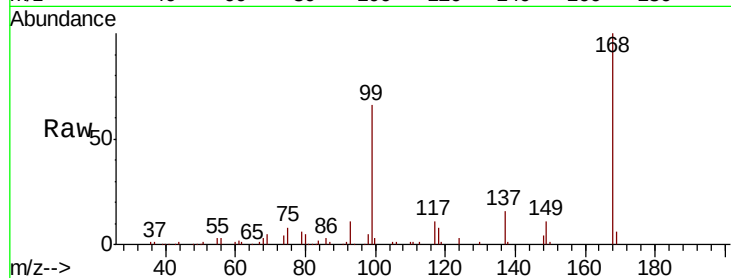
VD0512SBS02

Tot Ion:168 Resp: 626434

Ion Ratio Lower Upper

168 100

99 65.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

150000

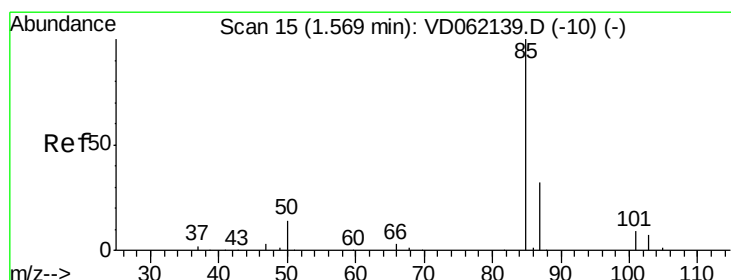
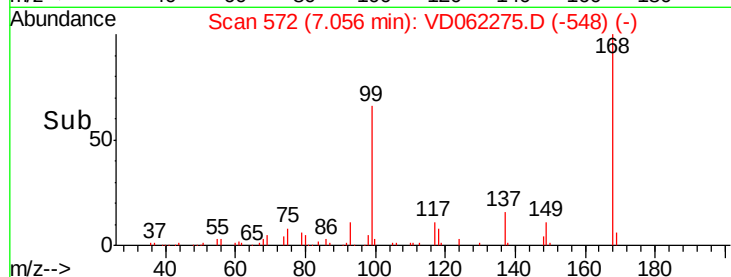
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50000

0

Time-->

6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: 19.527 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD062275.D

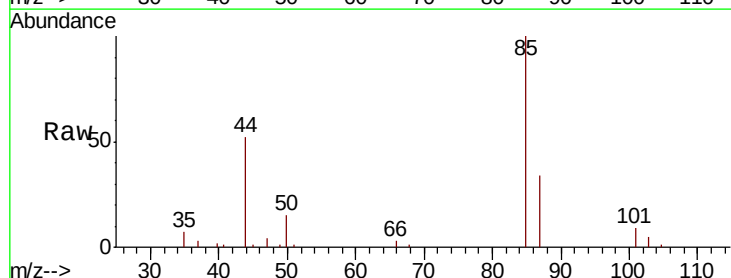
Acq: 13 May 2019 00:04

Tgt Ion: 85 Resp: 116995

Ion Ratio Lower Upper

85 100

87 33.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

30000

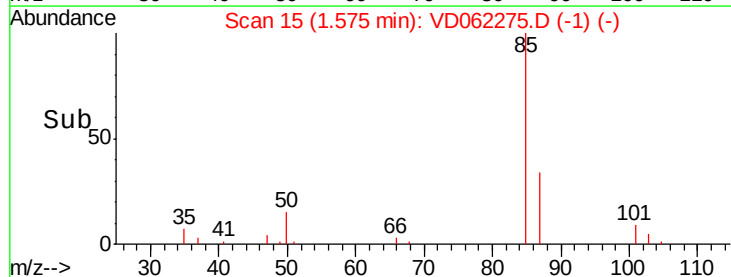
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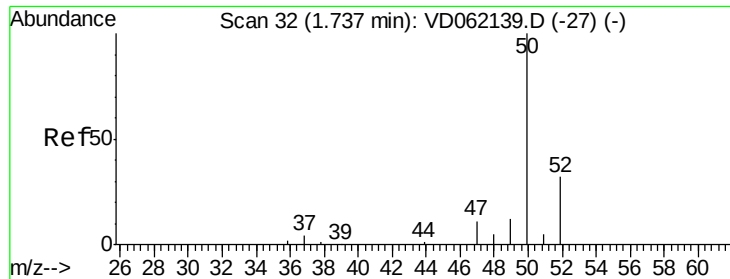
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Time-->

1.50 1.60 1.70





#3

Chloromethane

Concen: 18.173 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Instrument :

MSVOA_D

ClientSampleId :

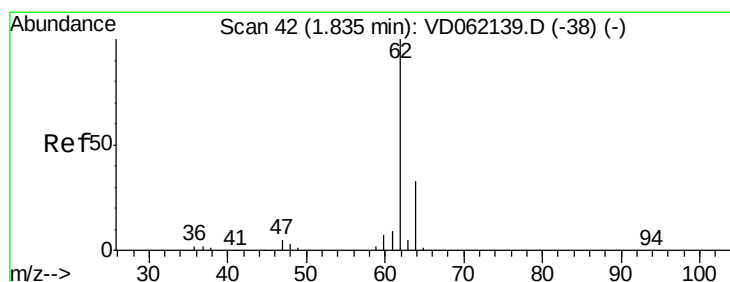
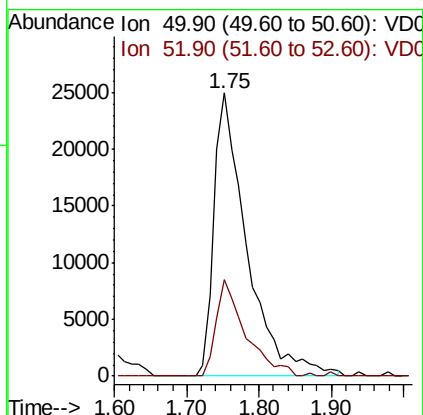
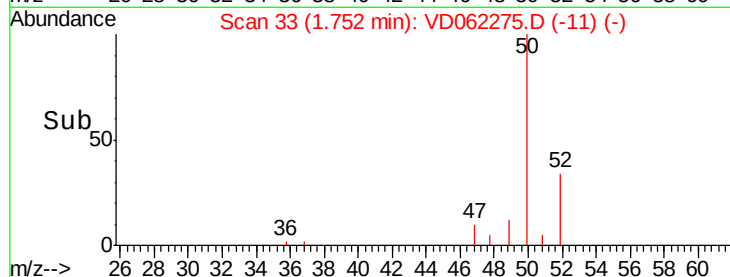
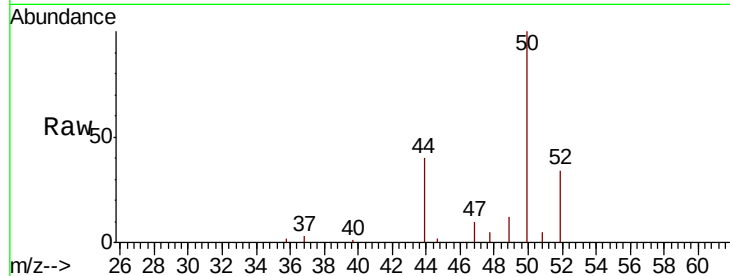
VD0512SBS02

Tot Ion: 50 Resp: 78672

Ion Ratio Lower Upper

50 100

52 34.2 25.2 37.8



#4

Vinyl Chloride

Concen: 19.061 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.02 min

Lab File: VD062275.D

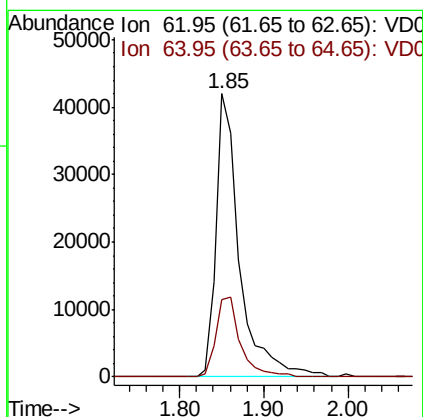
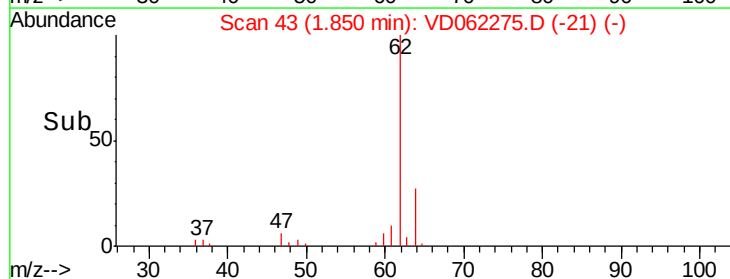
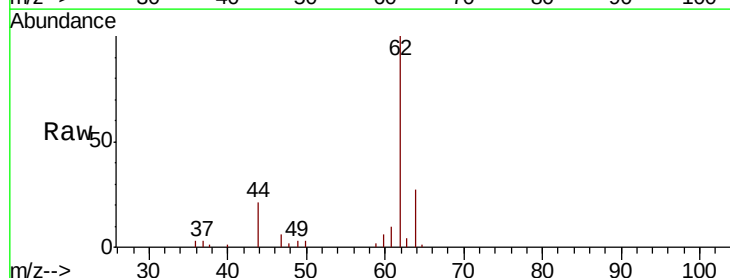
Acq: 13 May 2019 00:04

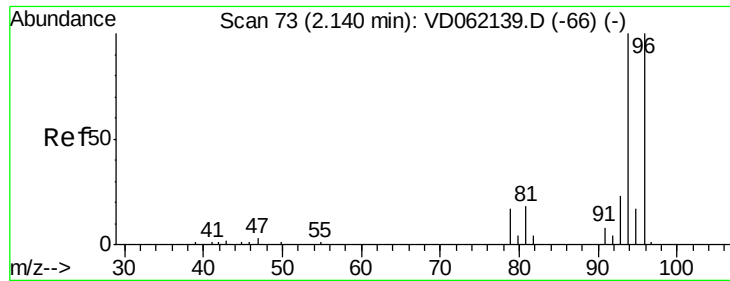
Tgt Ion: 62 Resp: 81099

Ion Ratio Lower Upper

62 100

64 27.4 26.5 39.7





#5

Bromomethane

Concen: 26.392 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.02 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBS02

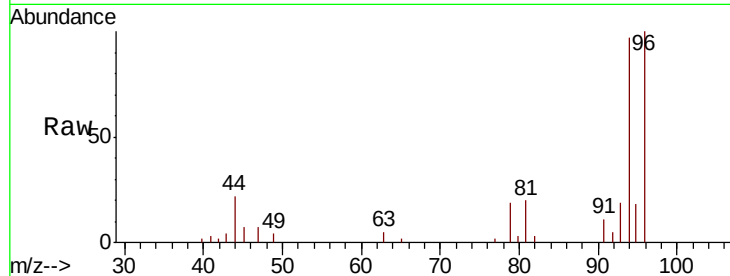
Tot Ion: 94 Resp: 26311

Ion Ratio Lower Upper

94 100

96 102.9 76.6 115.0

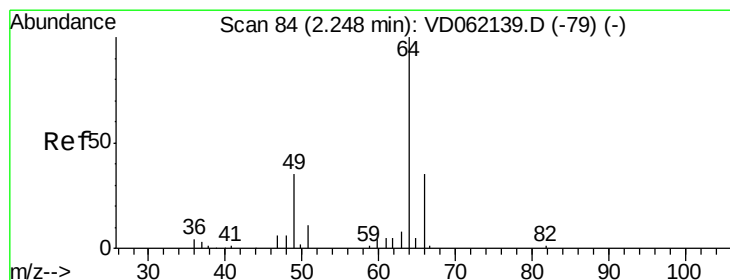
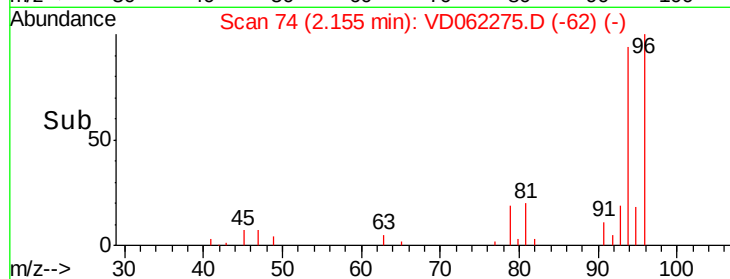
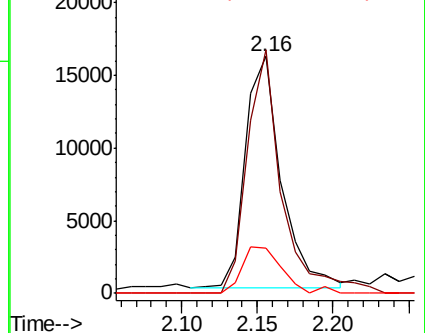
93 19.1 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 20.842 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.02 min

Lab File: VD062275.D

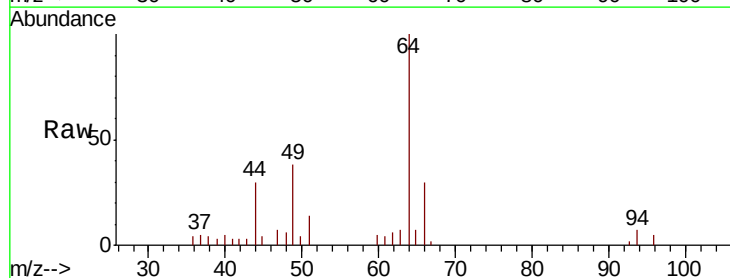
Acq: 13 May 2019 00:04

Tgt Ion: 64 Resp: 37209

Ion Ratio Lower Upper

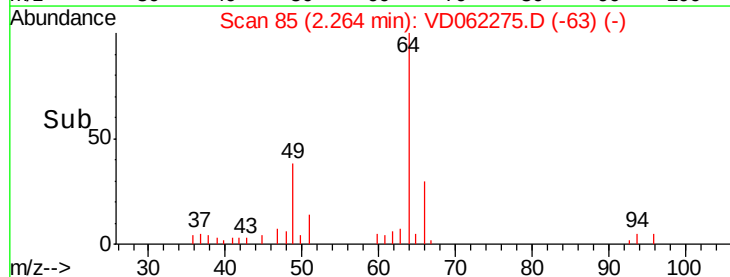
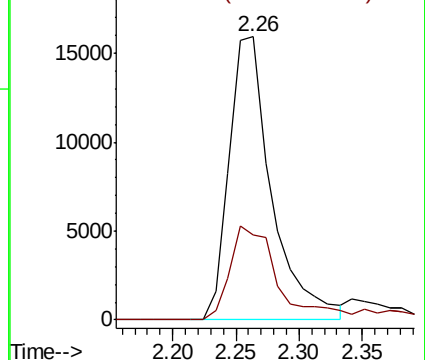
64 100

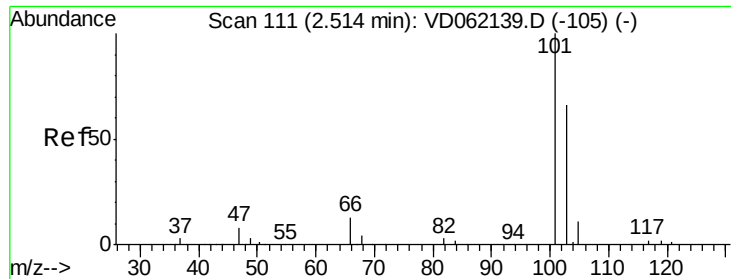
66 30.0 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



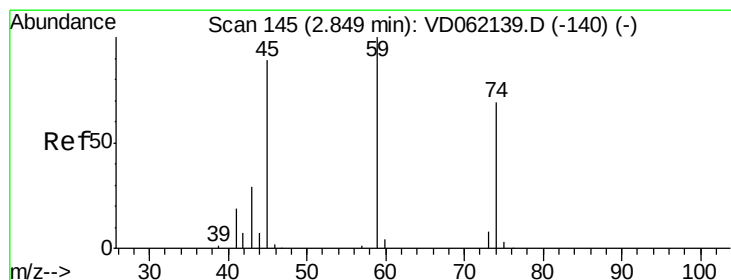
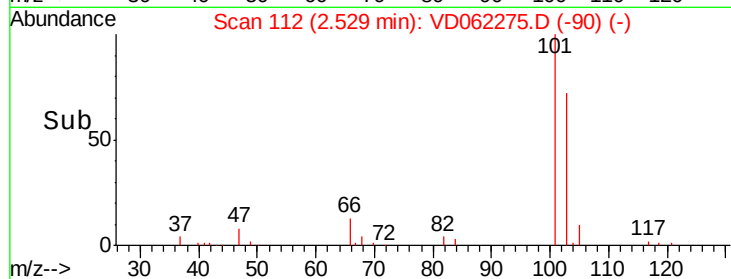
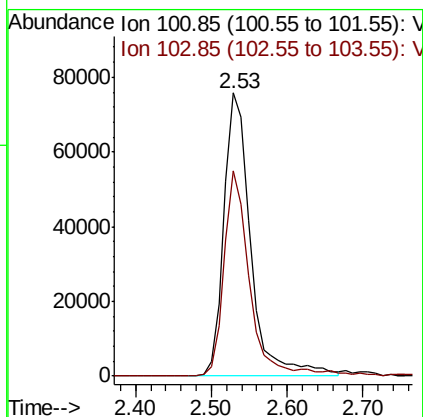
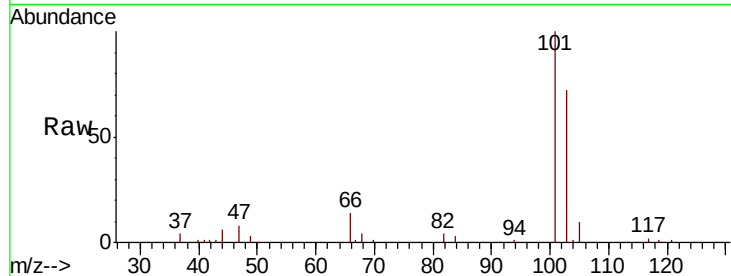


#7

Trichlorofluoromethane
Concen: 22.527 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.02 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

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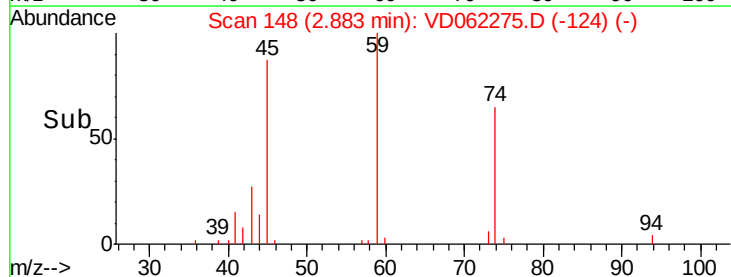
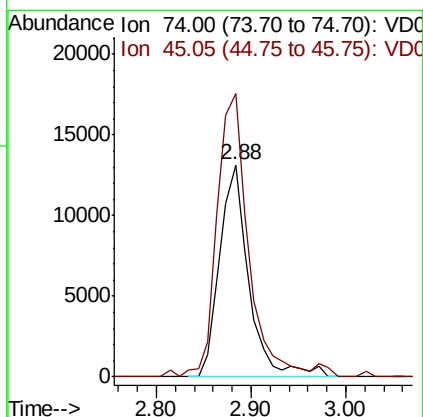
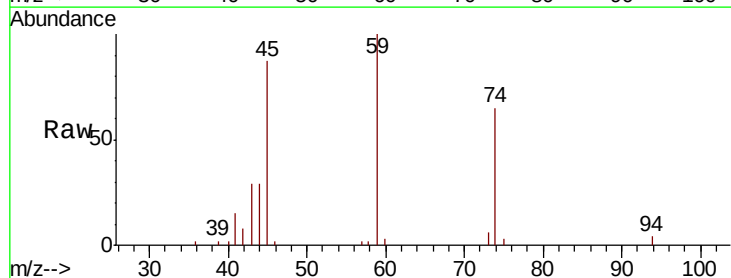
Tot Ion:101 Resp: 186331
Ion Ratio Lower Upper
101 100
103 72.5 53.6 80.4

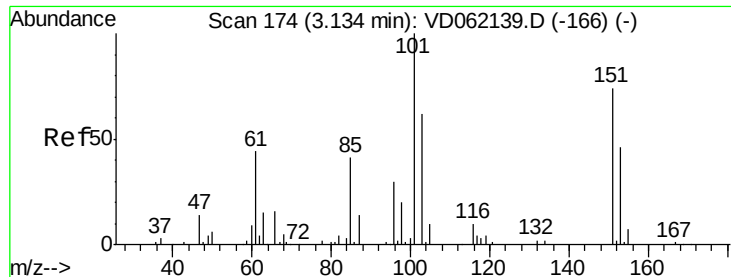


#8

Diethyl Ether
Concen: 17.590 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.03 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

Tgt Ion: 74 Resp: 28061
Ion Ratio Lower Upper
74 100
45 133.4 56.9 170.7

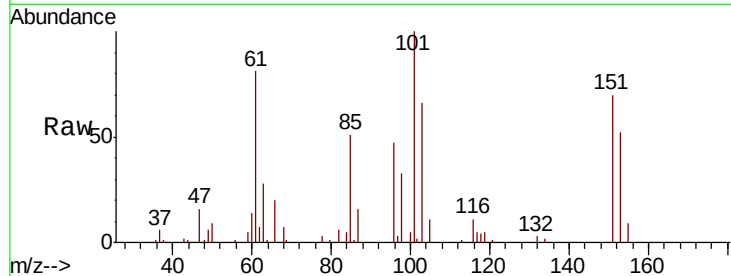




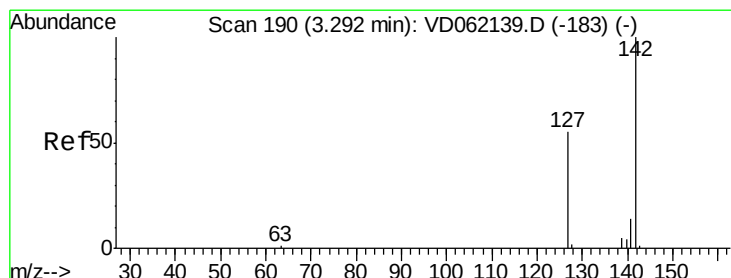
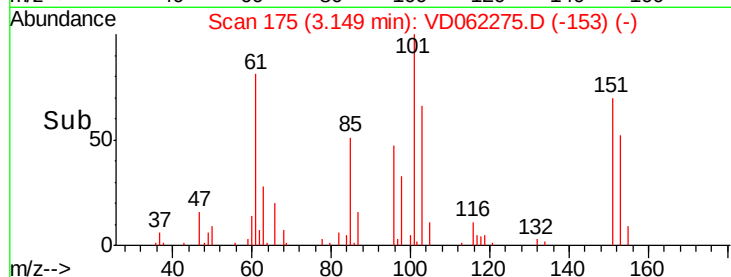
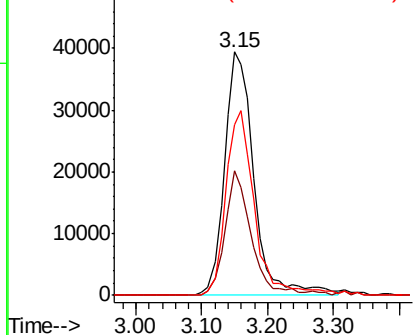
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.638 ug/l
 RT: 3.15 min Scan# 175
 Delta R.T. 0.02 min
 Lab File: VD062275.D
 Acq: 13 May 2019 00:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBS02

Tot Ion:101 Resp: 122881
 Ion Ratio Lower Upper
 101 100
 85 52.0 32.4 48.6#
 151 70.1 59.4 89.0

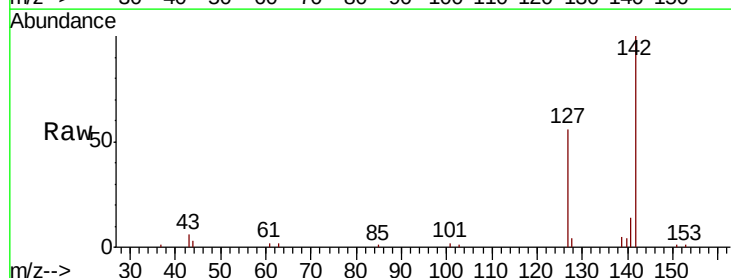


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

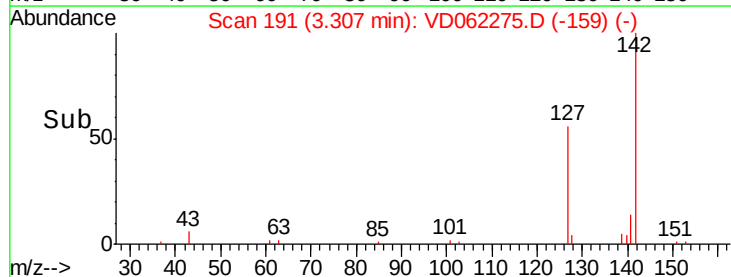
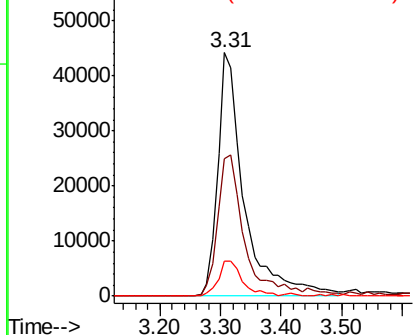


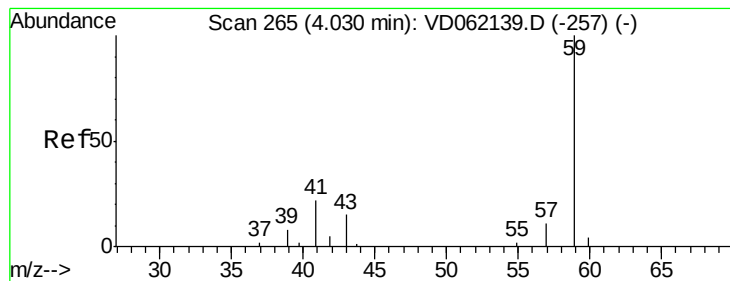
#10
 Methyl Iodide
 Concen: 14.078 ug/l
 RT: 3.31 min Scan# 191
 Delta R.T. 0.02 min
 Lab File: VD062275.D
 Acq: 13 May 2019 00:04

Tgt Ion:142 Resp: 133139
 Ion Ratio Lower Upper
 142 100
 127 56.4 38.8 58.2
 141 14.4 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



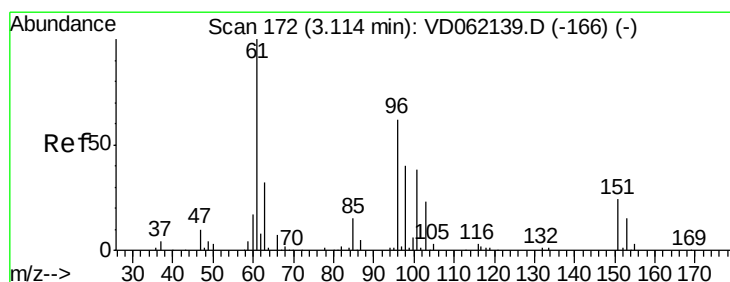
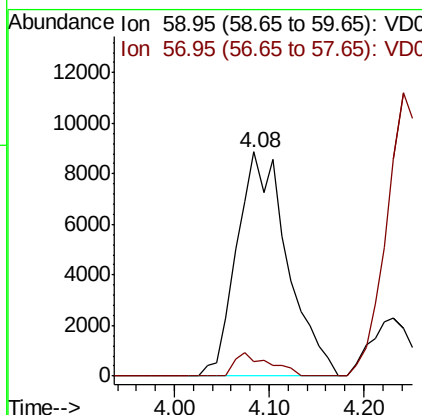
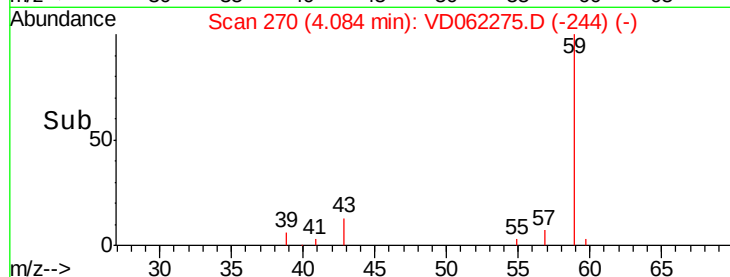
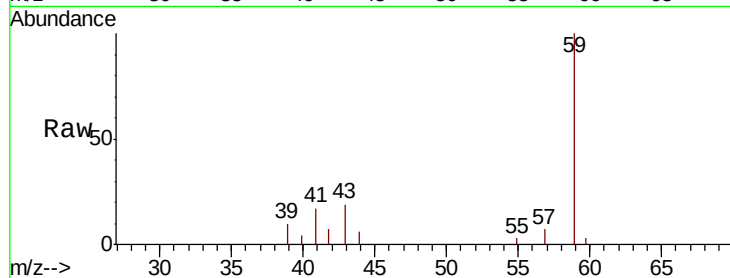


#11

Tert butyl alcohol
 Concen: 110.531 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. 0.05 min
 Lab File: VD062275.D
 Acq: 13 May 2019 00:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBS02

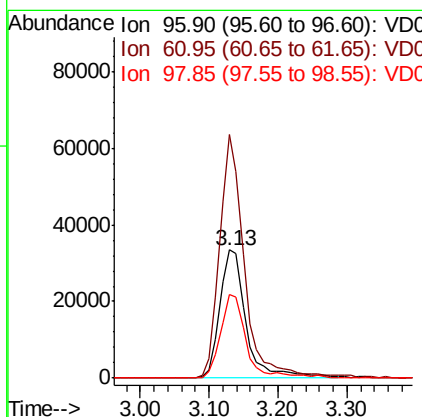
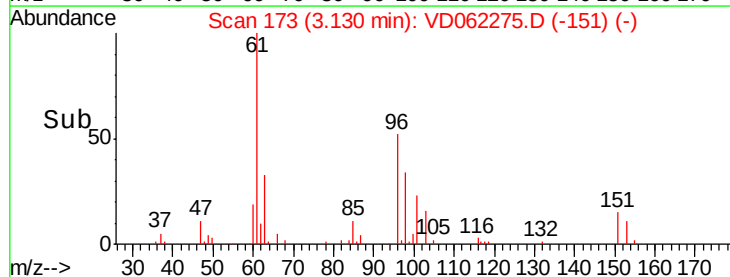
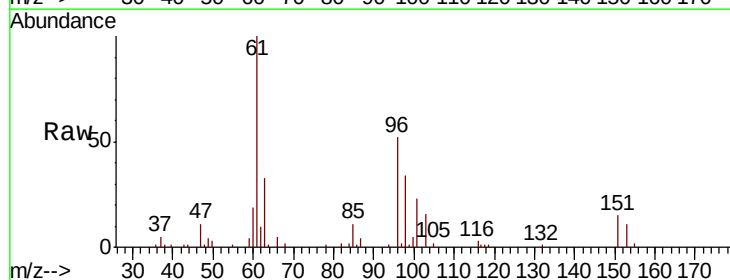
Tot Ion: 59 Resp: 32845
 Ion Ratio Lower Upper
 59 100
 57 6.7 6.9 10.3#

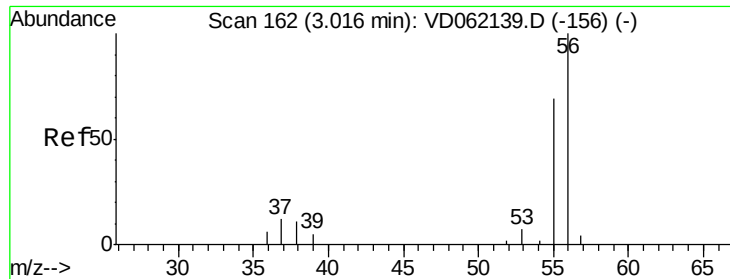


#12

1,1-Dichloroethene
 Concen: 18.482 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. 0.02 min
 Lab File: VD062275.D
 Acq: 13 May 2019 00:04

Tgt Ion: 96 Resp: 88277
 Ion Ratio Lower Upper
 96 100
 61 190.5 129.8 194.8
 98 65.0 51.2 76.8





#13

Acrolein

Concen: 75.399 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.02 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Instrument :

MSVOA_D

ClientSampleId :

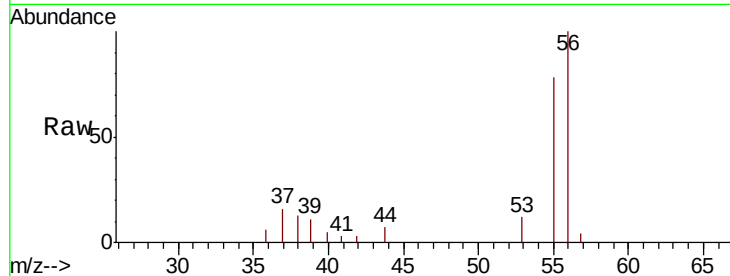
VD0512SBS02

Tot Ion: 56 Resp: 23174

Ion Ratio Lower Upper

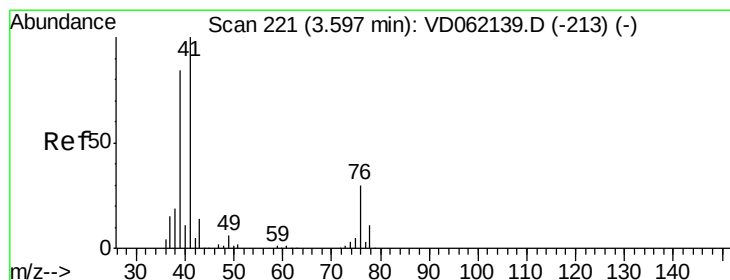
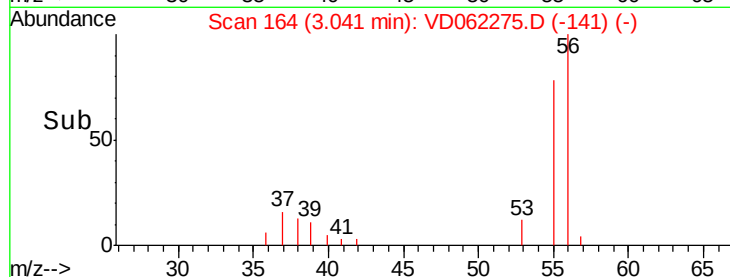
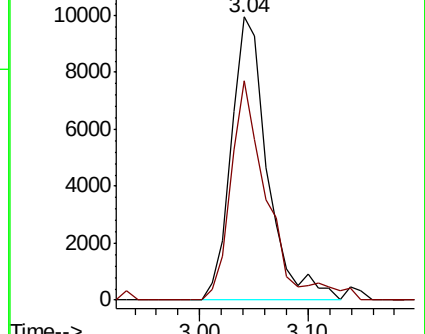
56 100

55 77.5 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: 18.703 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.03 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

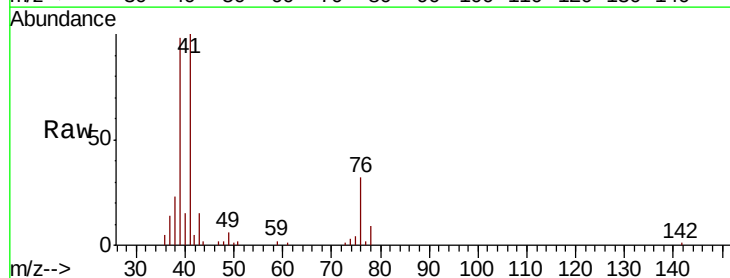
Tgt Ion: 41 Resp: 129890

Ion Ratio Lower Upper

41 100

39 97.6 60.5 90.7#

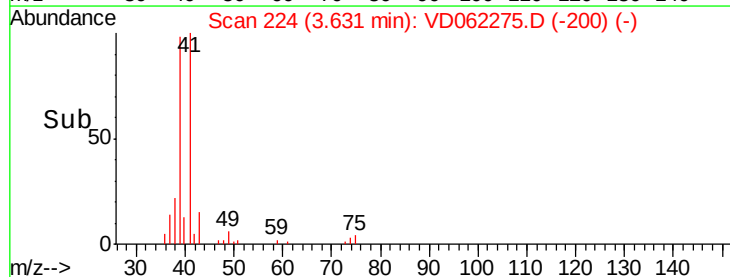
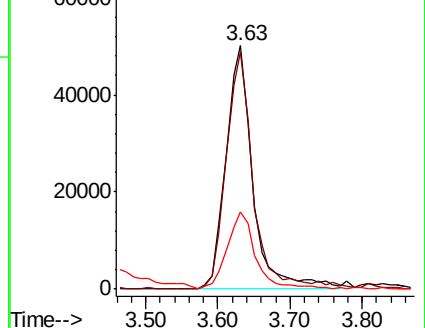
76 31.8 31.8 47.8#

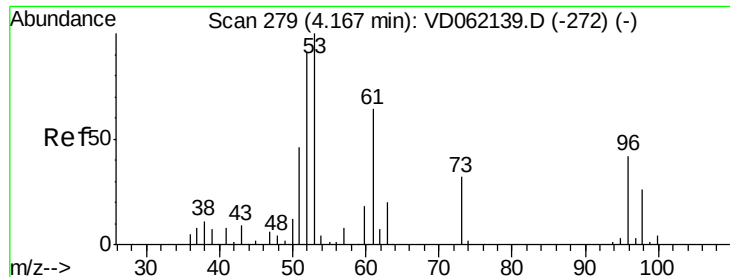


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 102.840 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.04 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBS02

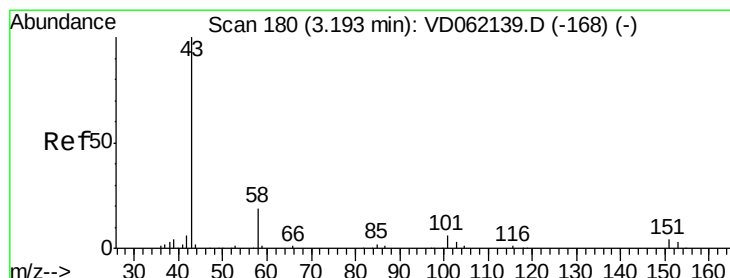
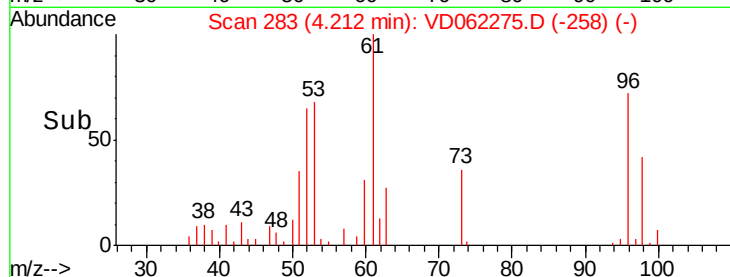
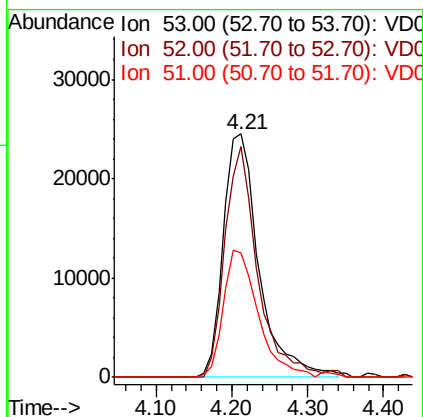
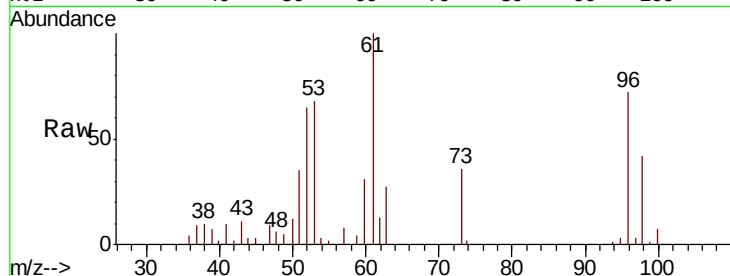
Tot Ion: 53 Resp: 80325

Ion Ratio Lower Upper

53 100

52 94.7 65.0 97.4

51 51.3 32.6 48.8#



#16

Acetone

Concen: 97.401 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062275.D

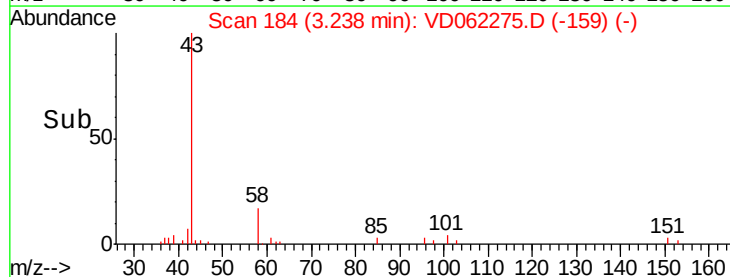
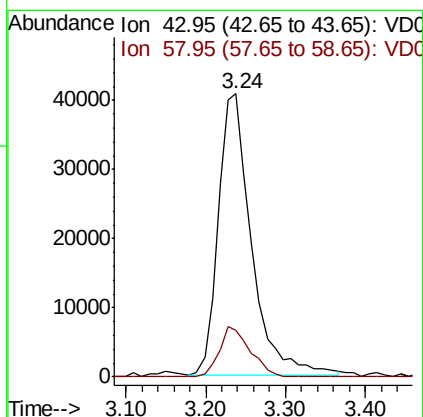
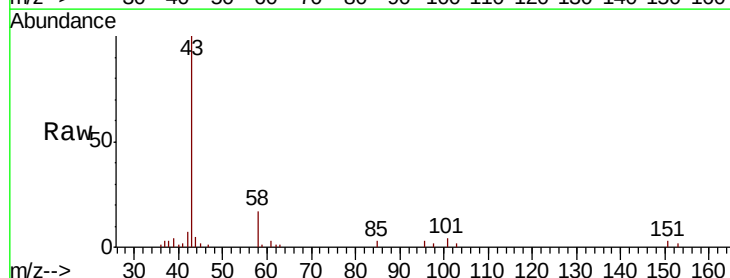
Acq: 13 May 2019 00:04

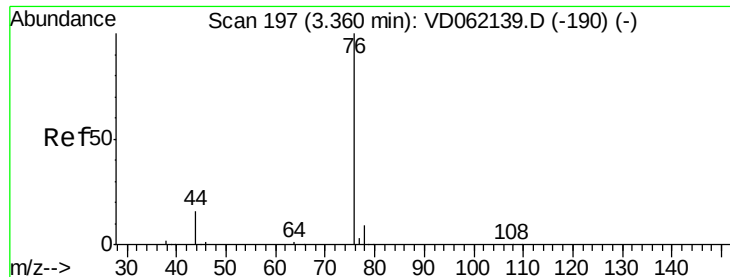
Tgt Ion: 43 Resp: 118911

Ion Ratio Lower Upper

43 100

58 16.6 19.9 29.9#





#17

Carbon Disulfide

Concen: 15.178 ug/l

RT: 3.38 min Scan# 198

Delta R.T. 0.02 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Instrument :

MSVOA_D

ClientSampleId :

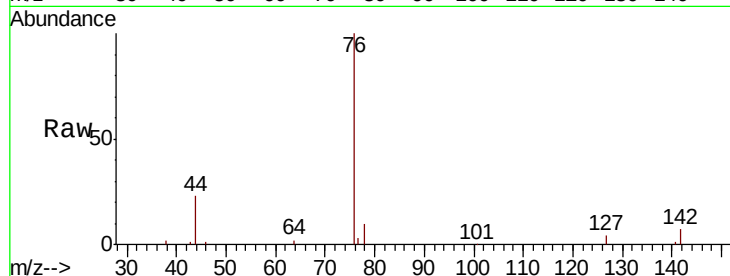
VD0512SBS02

Tot Ion: 76 Resp: 208553

Ion Ratio Lower Upper

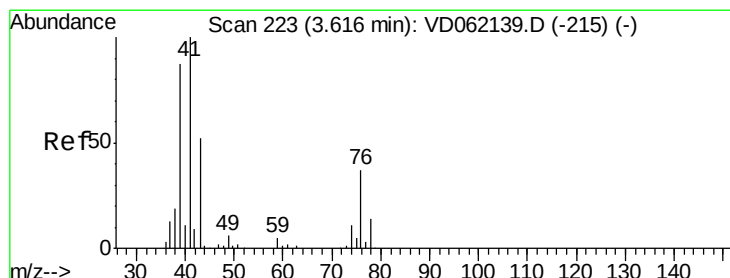
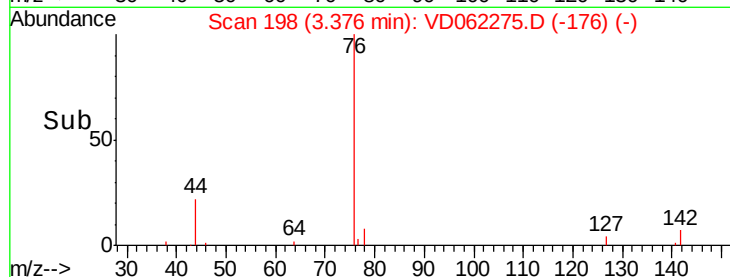
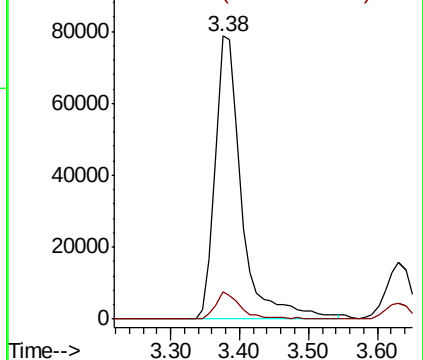
76 100

78 9.5 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: 20.048 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.04 min

Lab File: VD062275.D

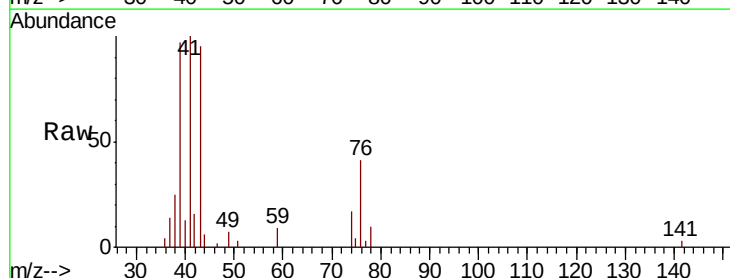
Acq: 13 May 2019 00:04

Tgt Ion: 43 Resp: 44171

Ion Ratio Lower Upper

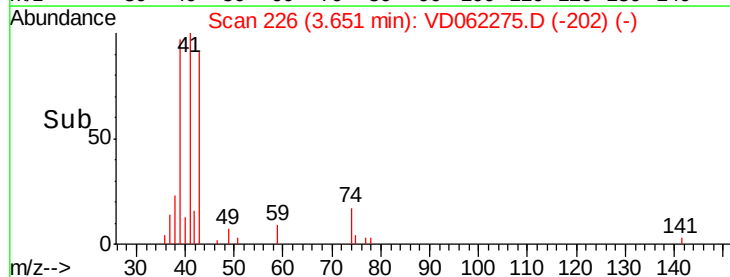
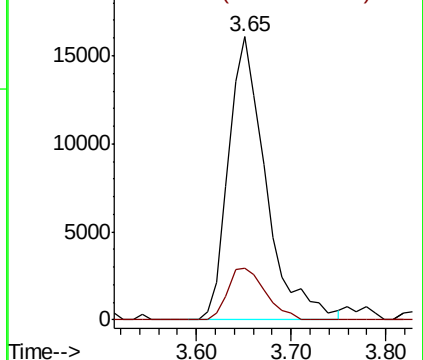
43 100

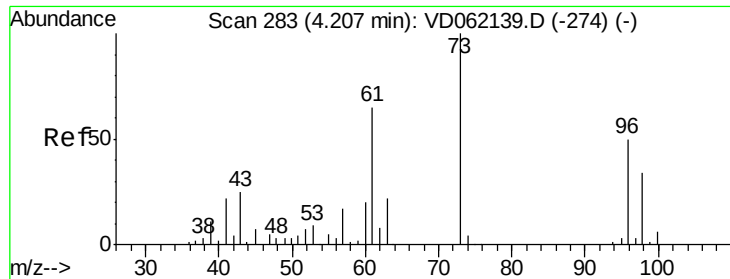
74 18.2 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

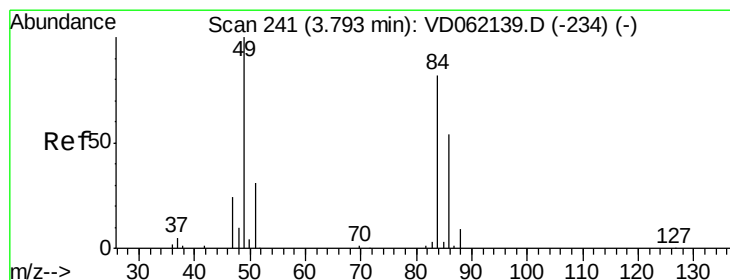
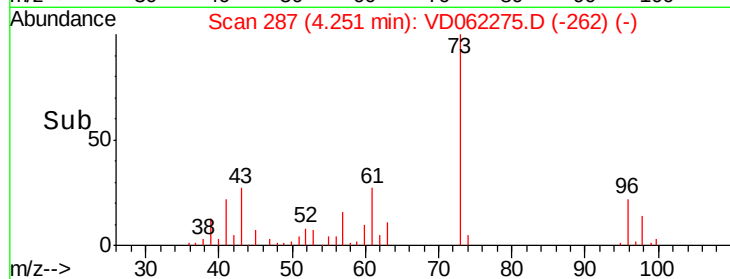
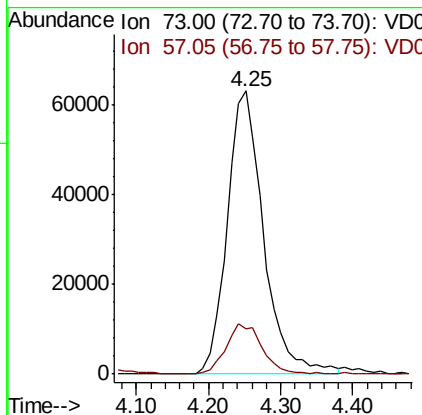
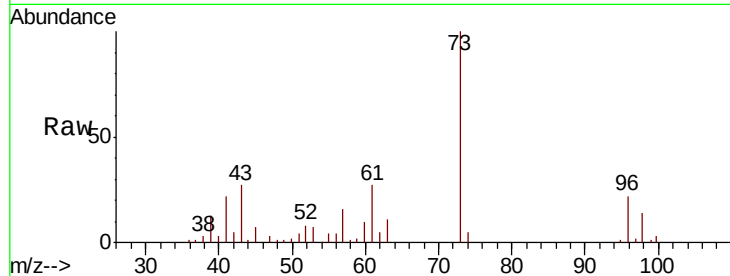




#19
Methyl tert-butyl Ether
Concen: 21.616 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.04 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

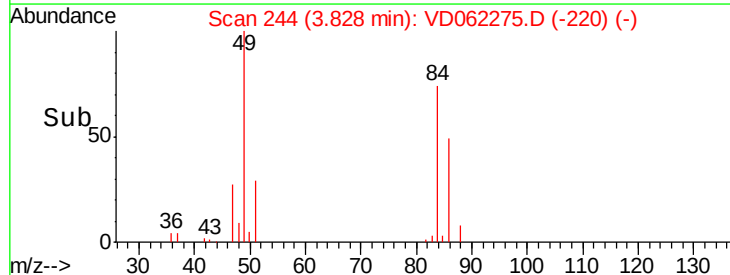
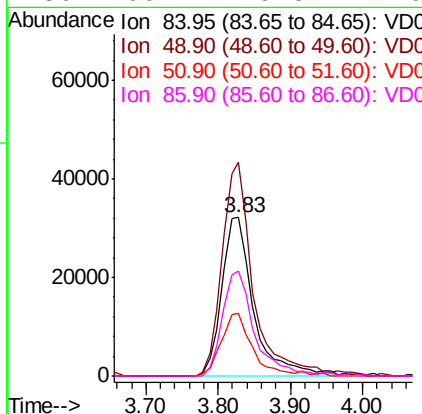
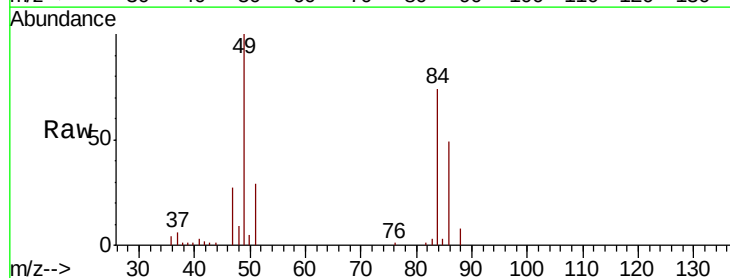
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBS02

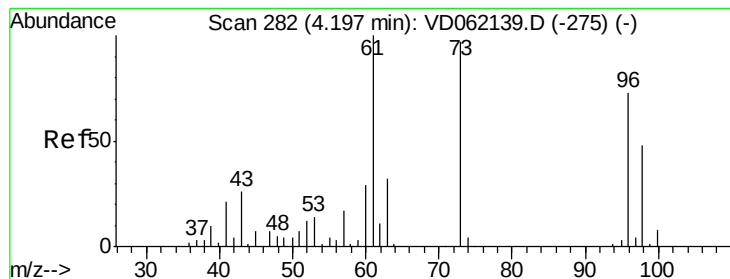
Tot Ion: 73 Resp: 221306
Ion Ratio Lower Upper
73 100
57 16.2 16.3 24.5#



#20
Methylene Chloride
Concen: 19.257 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

Tgt Ion: 84 Resp: 98162
Ion Ratio Lower Upper
84 100
49 135.0 94.0 141.0
51 39.3 29.0 43.4
86 66.4 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 19.177 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBS02

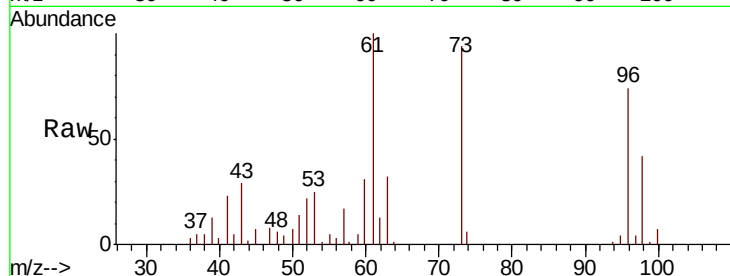
Tot Ion: 96 Resp: 101930

Ion Ratio Lower Upper

96 100

61 135.7 104.4 156.6

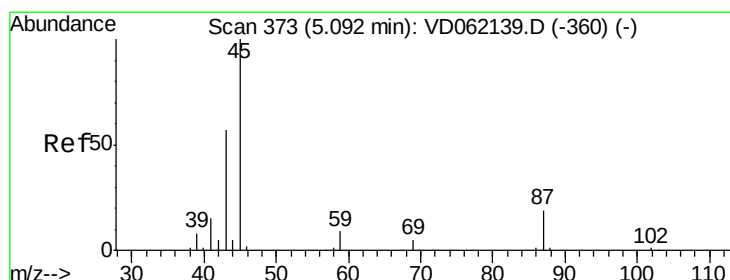
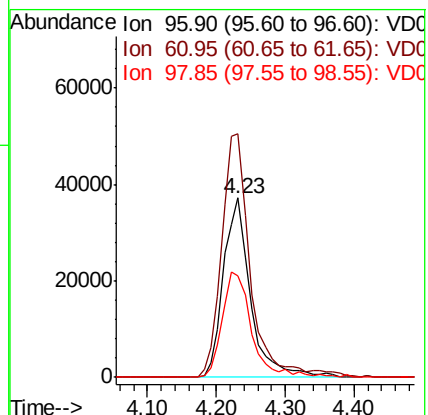
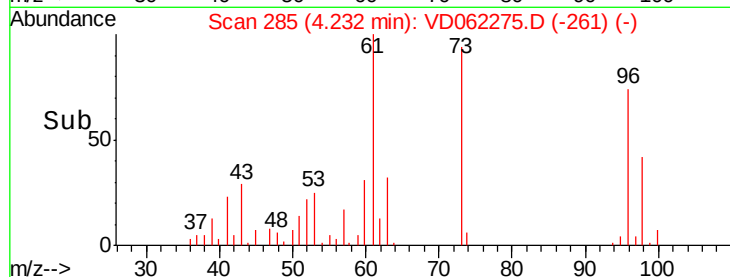
98 56.8 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.170 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.03 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Tgt Ion: 45 Resp: 298087

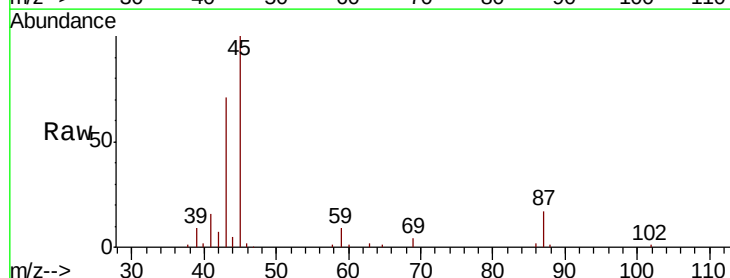
Ion Ratio Lower Upper

45 100

43 70.8 46.2 69.2#

87 17.2 15.9 23.9

59 8.9 7.9 11.9

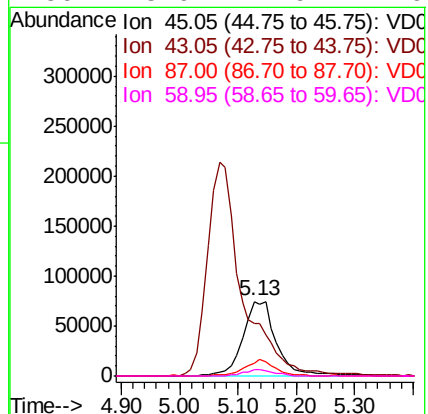
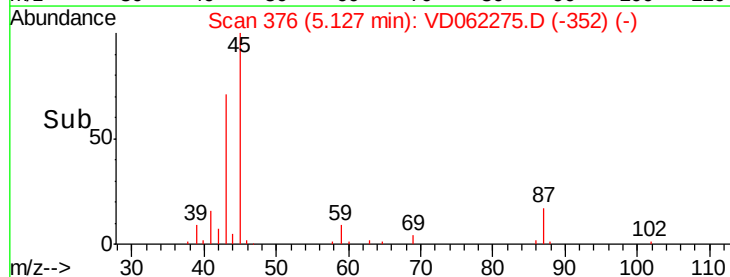


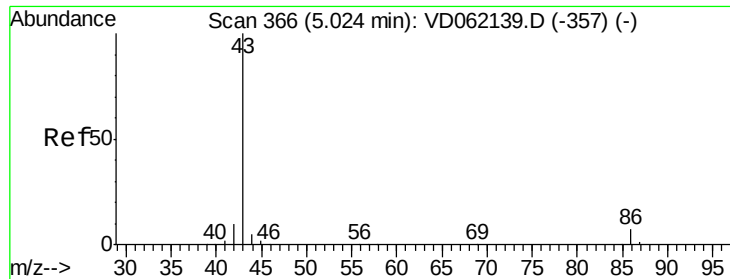
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 111.625 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.04 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Instrument :

MSVOA_D

ClientSampleId :

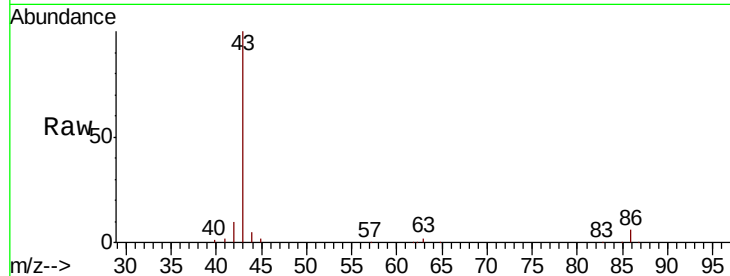
VD0512SBS02

Tot Ion: 43 Resp: 870386

Ion Ratio Lower Upper

43 100

86 6.1 6.4 9.6#



Abundance Ion 42.95 (42.65 to 43.65): VD062275.D (-345) (-)

Ion 86.00 (85.70 to 86.70): VD062275.D (-345) (-)

5.07

250000

200000

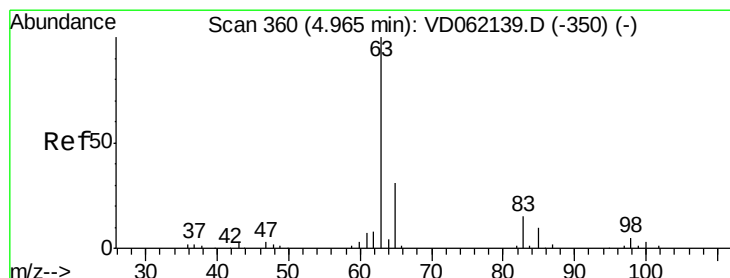
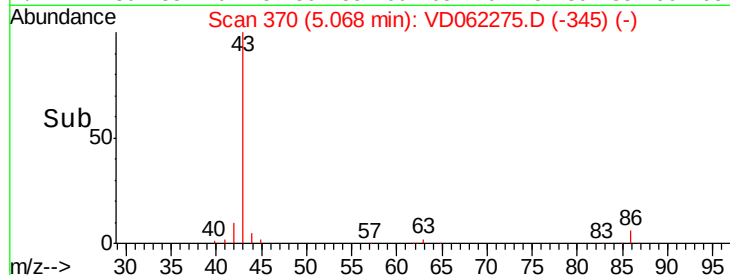
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.452 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.03 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

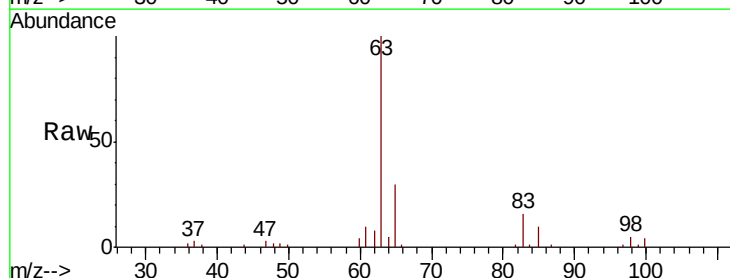
Tgt Ion: 63 Resp: 182340

Ion Ratio Lower Upper

63 100

98 5.0 2.8 8.4

100 3.8 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VD062275.D (-339) (-)

Ion 97.95 (97.65 to 98.65): VD062275.D (-339) (-)

Ion 99.95 (99.65 to 100.65): VD062275.D (-339) (-)

5.00

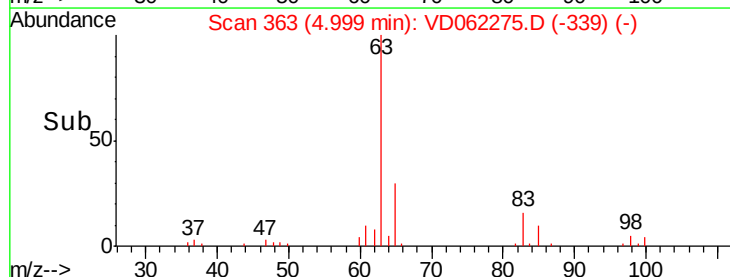
60000

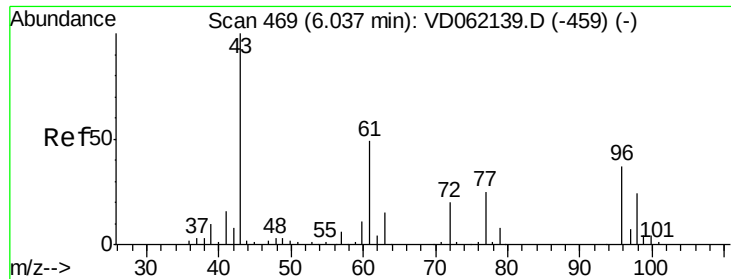
40000

20000

0

Time-->





#25

2-Butanone

Concen: 102.801 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.04 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Instrument :

MSVOA_D

ClientSampleId :

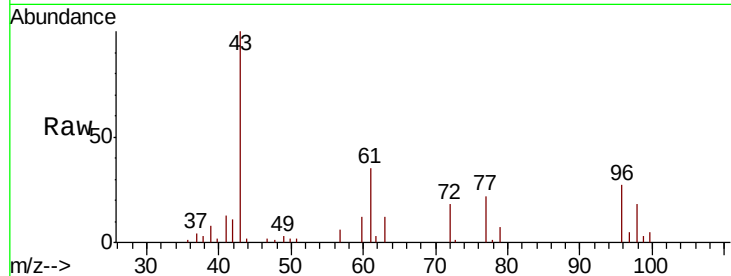
VD0512SBS02

Tot Ion: 43 Resp: 136894

Ion Ratio Lower Upper

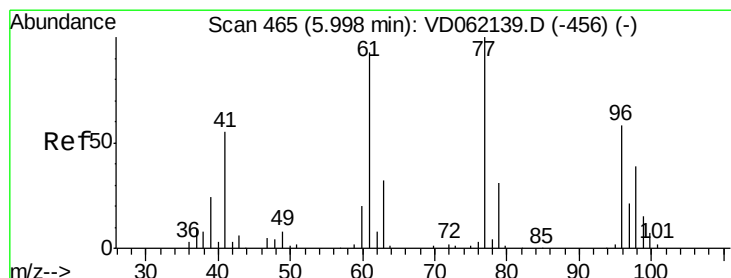
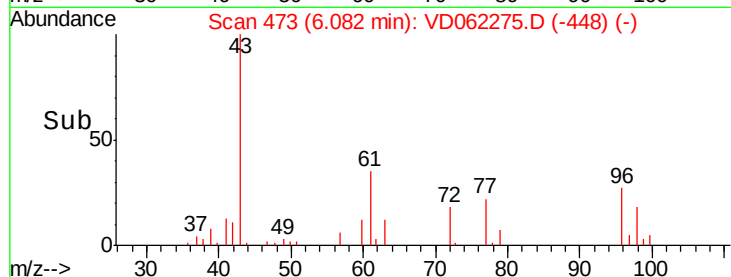
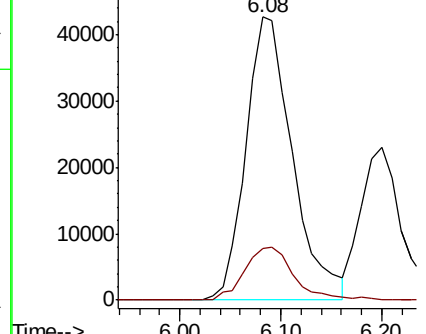
43 100

72 18.4 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.632 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.03 min

Lab File: VD062275.D

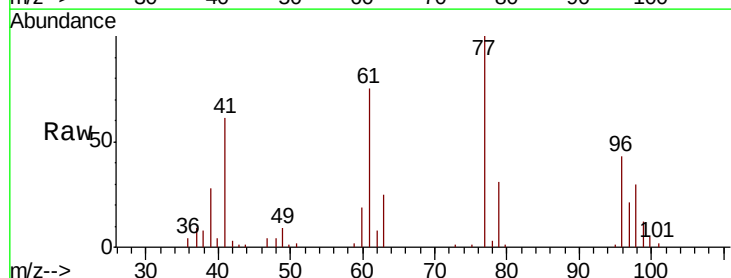
Acq: 13 May 2019 00:04

Tgt Ion: 77 Resp: 183231

Ion Ratio Lower Upper

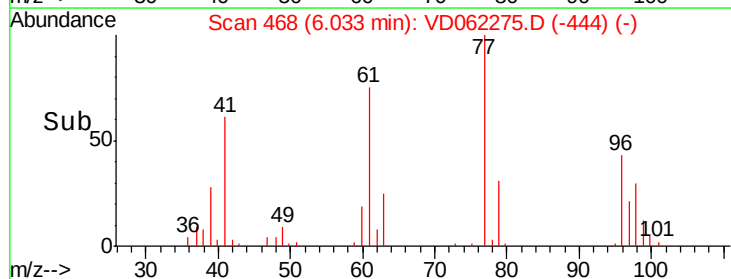
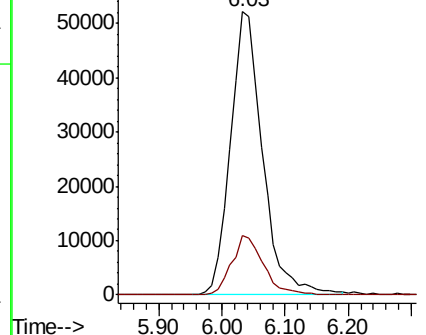
77 100

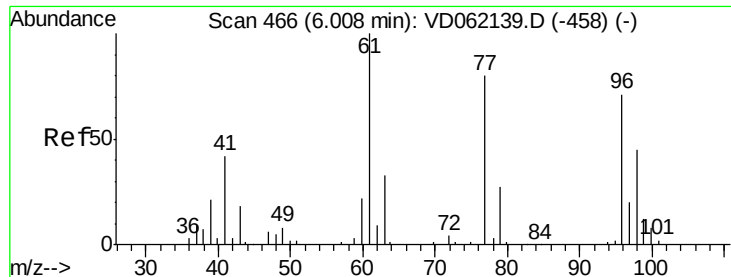
97 20.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



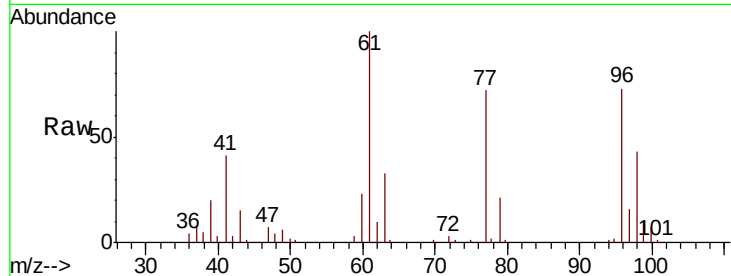


#27

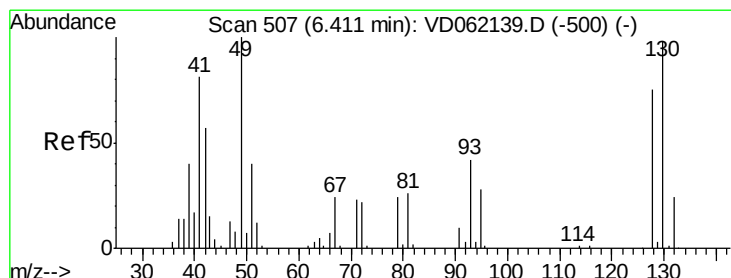
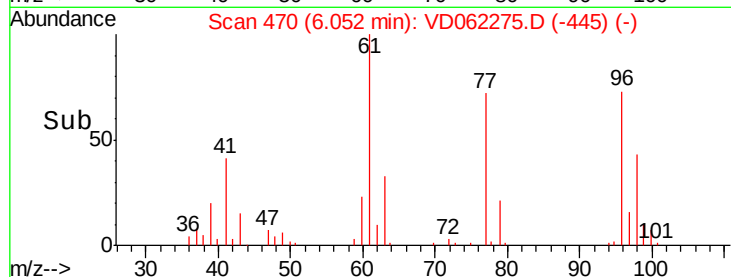
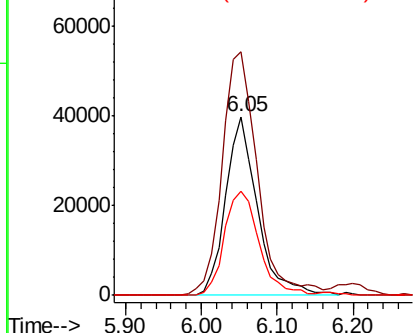
cis-1,2-Dichloroethene
 Concen: 19.543 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.04 min
 Lab File: VD062275.D
 Acq: 13 May 2019 00:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBS02

Tot Ion: 96 Resp: 116270
 Ion Ratio Lower Upper
 96 100
 61 136.1 0.0 279.8
 98 58.3 0.0 136.0



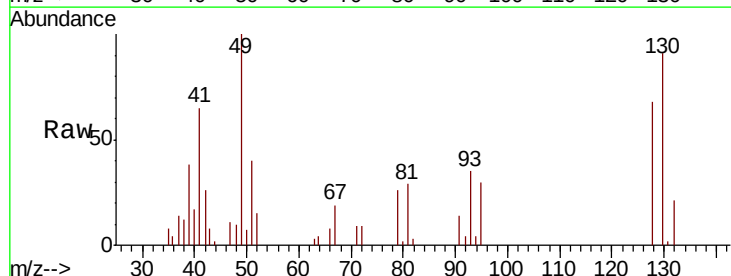
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



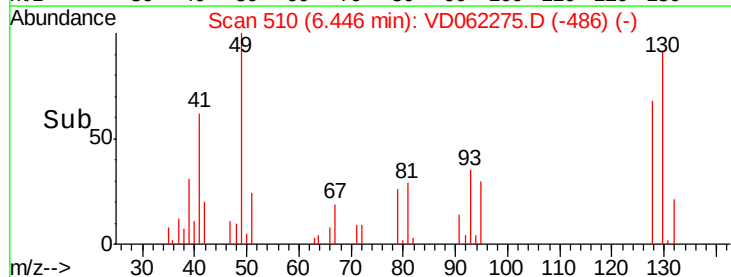
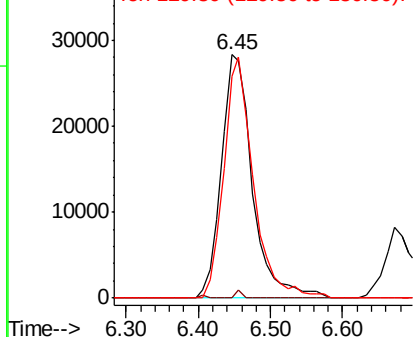
#28

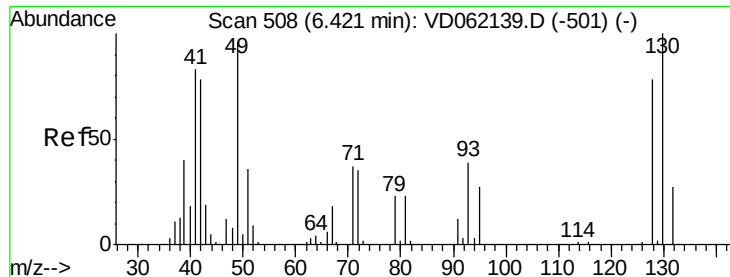
Bromochloromethane
 Concen: 24.012 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. 0.03 min
 Lab File: VD062275.D
 Acq: 13 May 2019 00:04

Tgt Ion: 49 Resp: 84227
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 6.6
 130 90.9 86.7 130.1



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

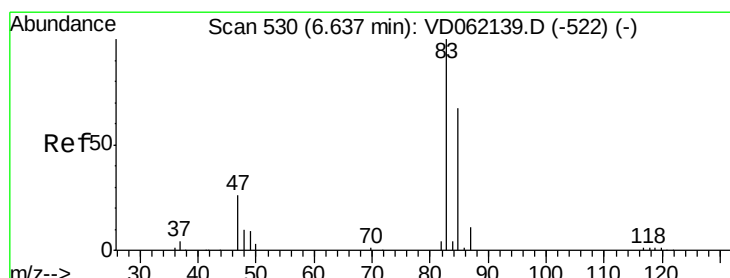
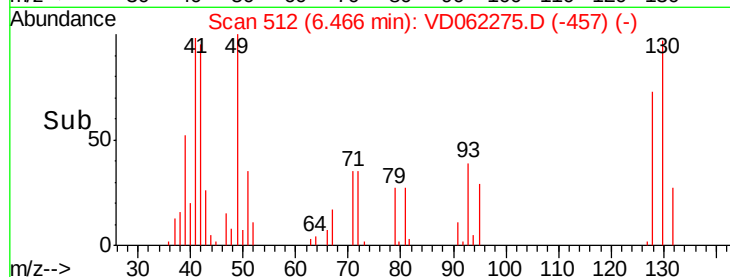
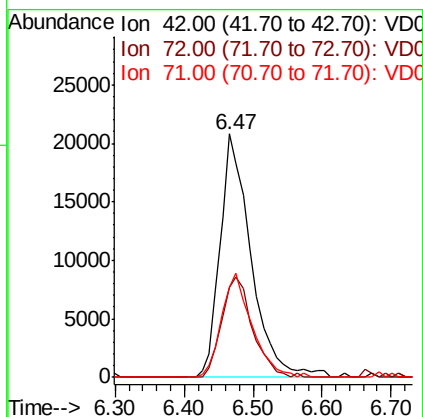
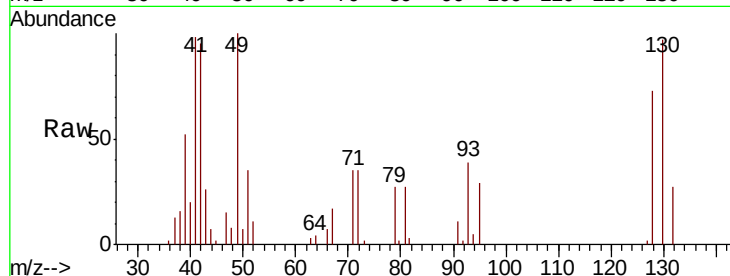




#29
Tetrahydrofuran
Concen: 105.627 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

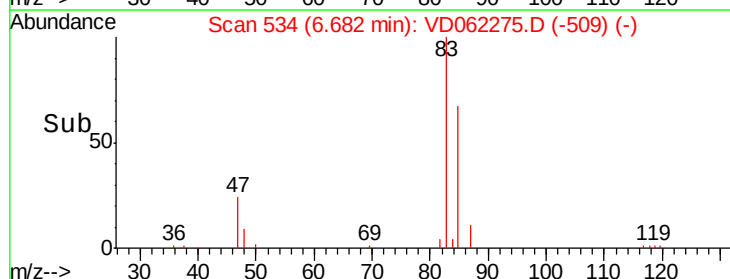
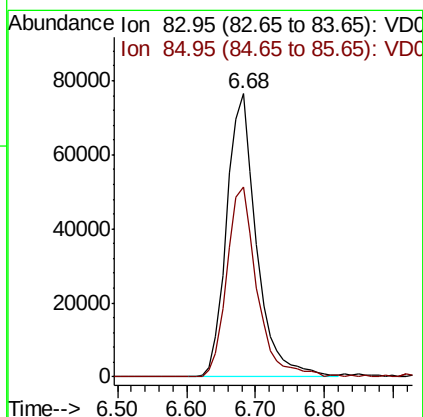
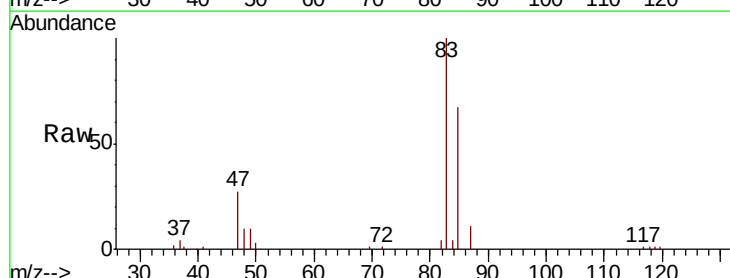
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBS02

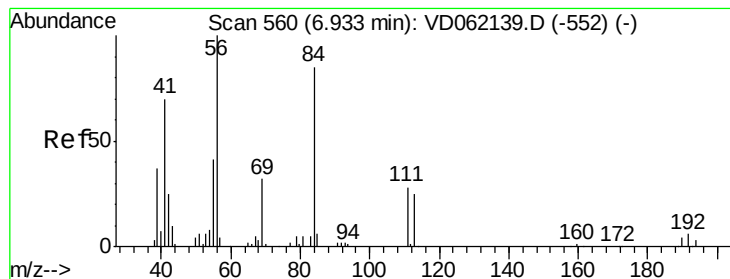
Tot Ion: 42 Resp: 64809
Ion Ratio Lower Upper
42 100
72 40.8 37.8 56.6
71 42.2 36.7 55.1



#30
Chloroform
Concen: 21.354 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.04 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

Tgt Ion: 83 Resp: 229439
Ion Ratio Lower Upper
83 100
85 66.9 51.7 77.5





#31

Cyclohexane

Concen: 18.196 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.03 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBS02

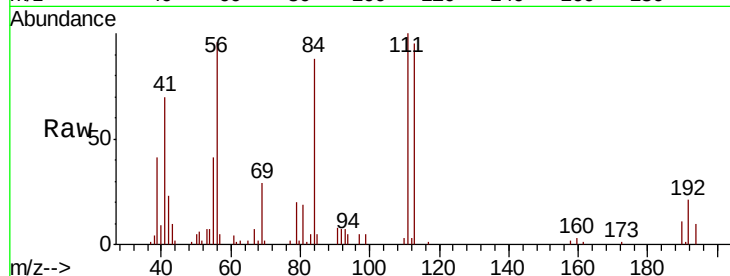
Tot Ion: 56 Resp: 111139

Ion Ratio Lower Upper

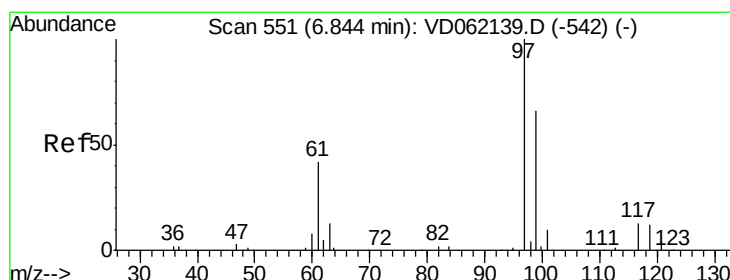
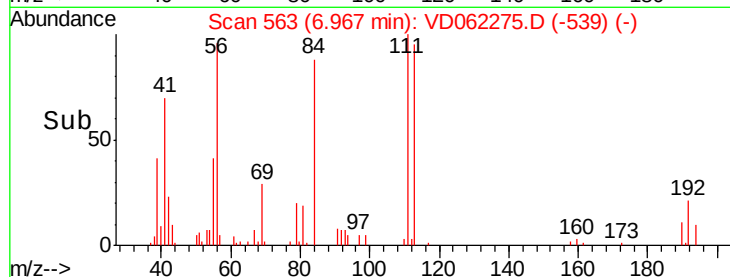
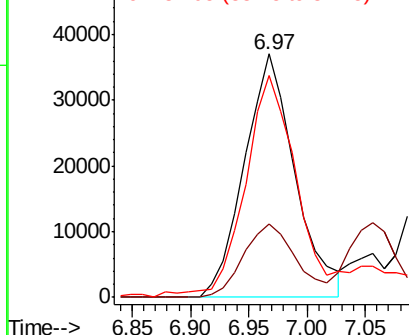
56 100

69 30.0 25.8 38.6

84 91.1 72.2 108.4



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



#32

1,1,1-Trichloroethane

Concen: 23.030 ug/l

RT: 6.89 min Scan# 555

Delta R.T. 0.04 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

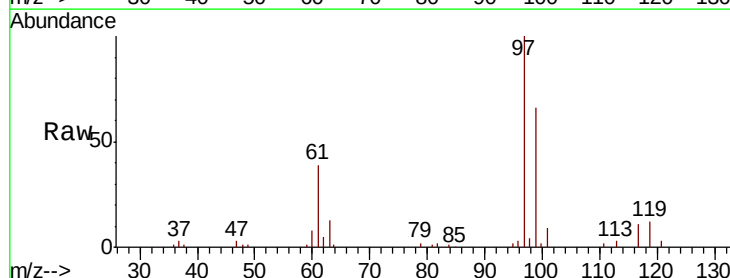
Tgt Ion: 97 Resp: 233888

Ion Ratio Lower Upper

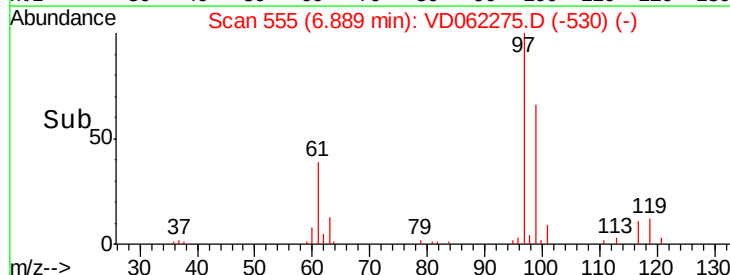
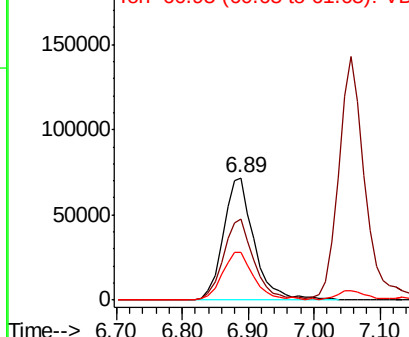
97 100

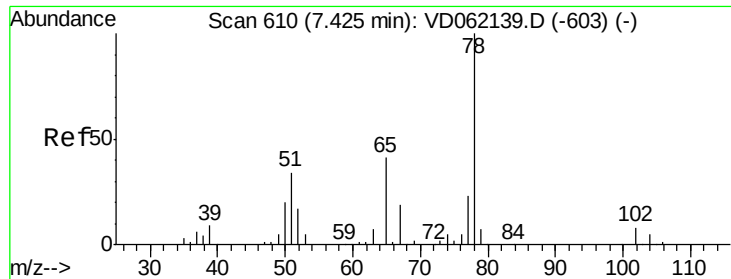
99 66.0 52.2 78.2

61 38.8 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

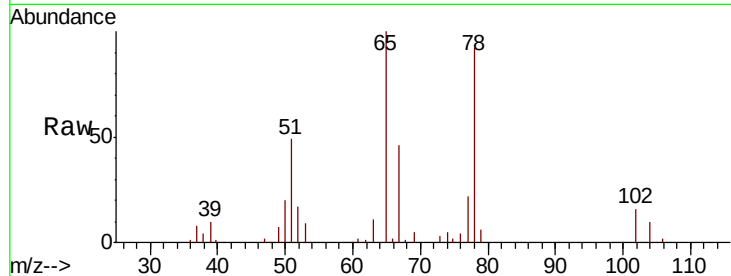




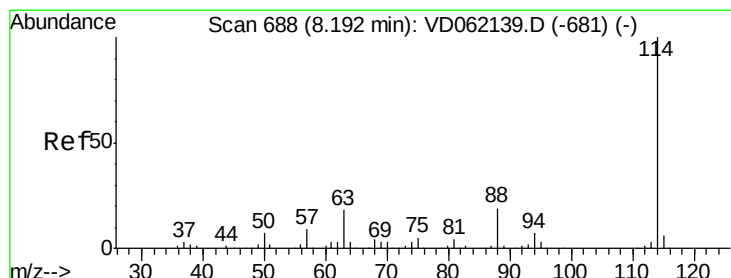
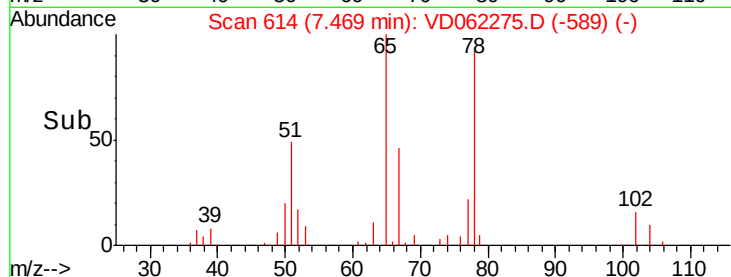
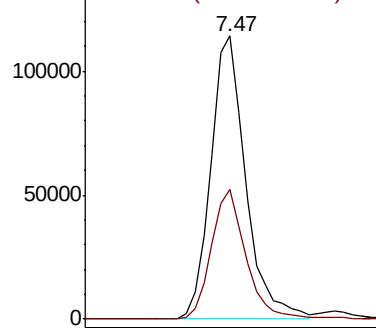
#33
 1,2-Dichloroethane-d4
 Concen: 53.221 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.04 min
 Lab File: VD062275.D
 Acq: 13 May 2019 00:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBS02

Tot Ion: 65 Resp: 309829
 Ion Ratio Lower Upper
 65 100
 67 45.9 0.0 98.0

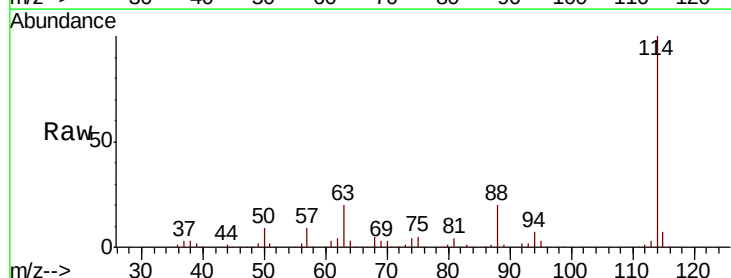


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

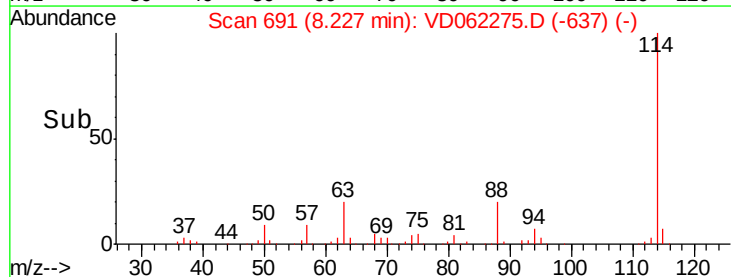
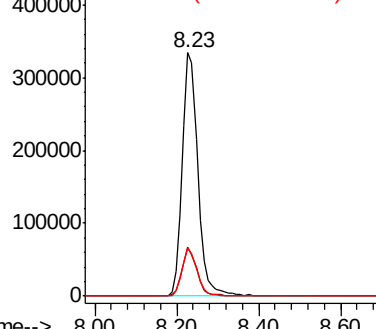


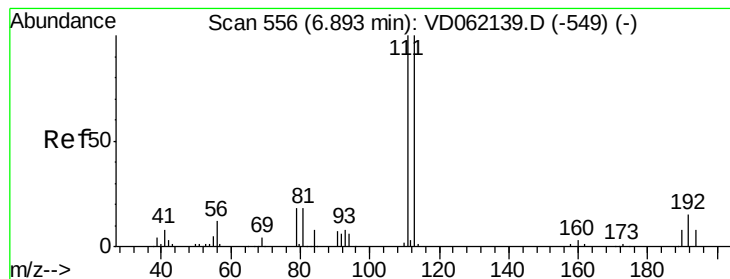
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD062275.D
 Acq: 13 May 2019 00:04

Tgt Ion: 114 Resp: 879074
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 32.4
 88 19.8 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): VDC
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 49.376 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBS02

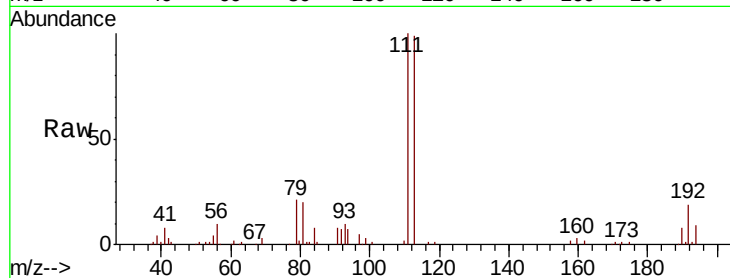
Tot Ion:113 Resp: 360137

Ion Ratio Lower Upper

113 100

111 100.7 78.5 117.7

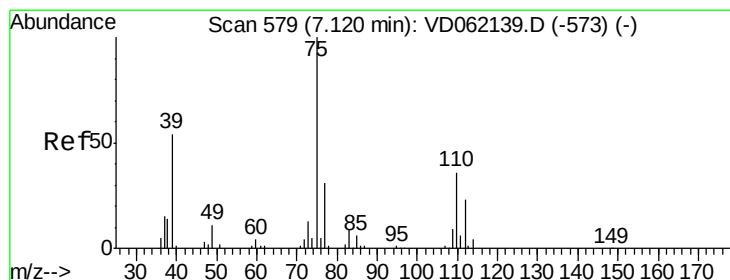
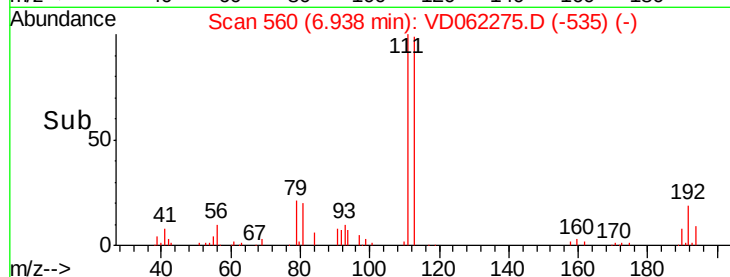
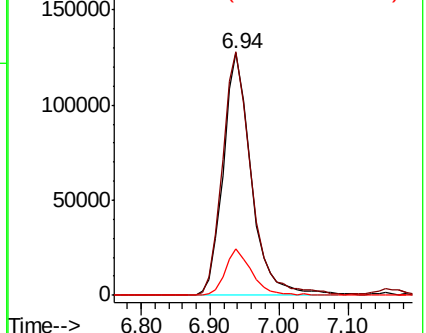
192 19.1 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.270 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.04 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

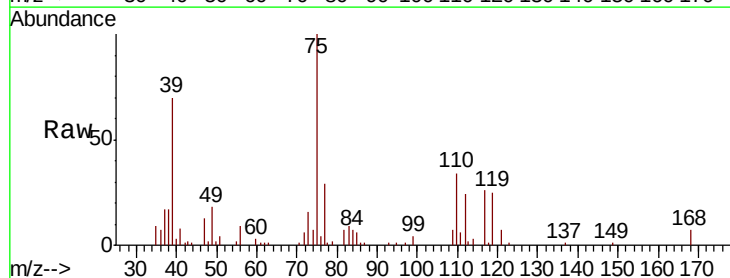
Tgt Ion: 75 Resp: 153304

Ion Ratio Lower Upper

75 100

110 34.2 19.1 57.1

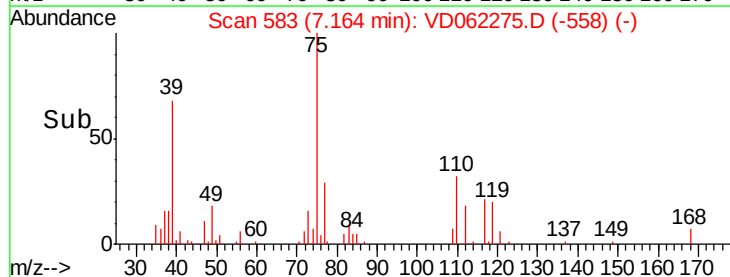
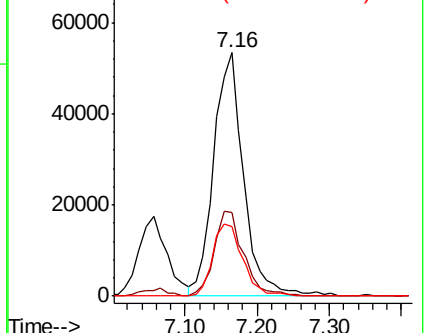
77 28.7 25.6 38.4

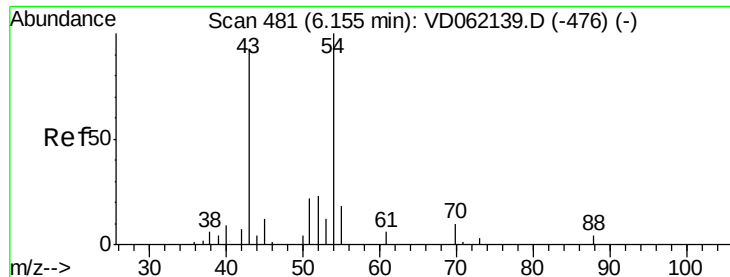


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

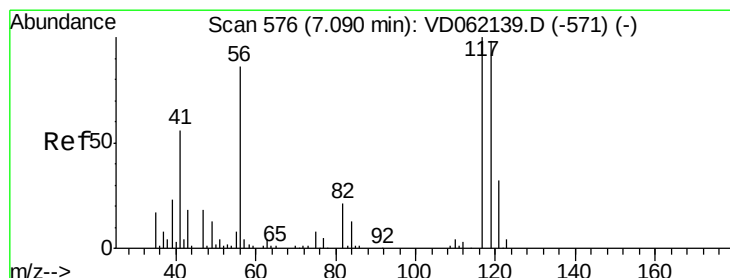
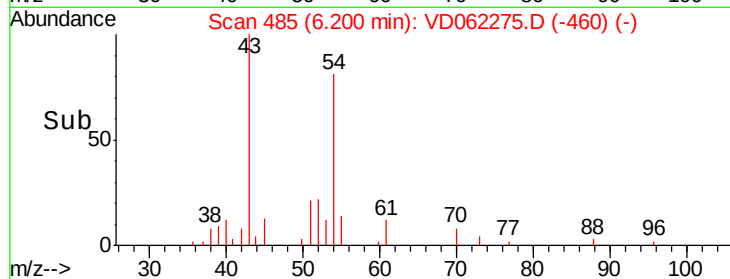
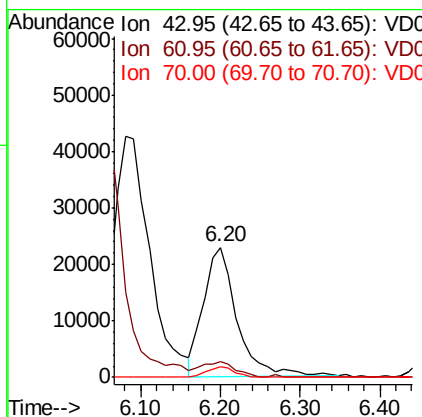
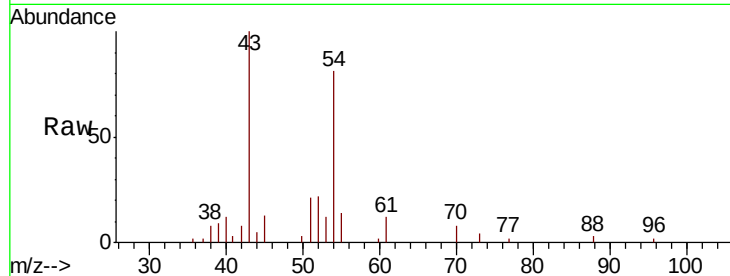




#37
Ethyl Acetate
Concen: 21.693 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.04 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

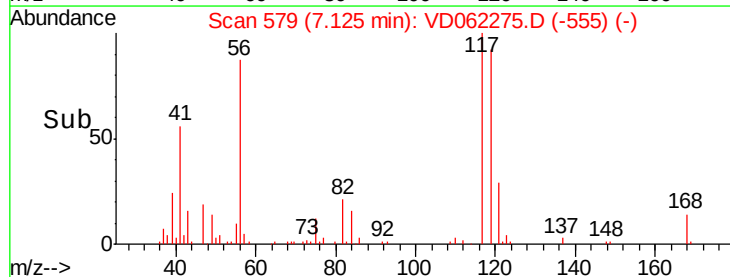
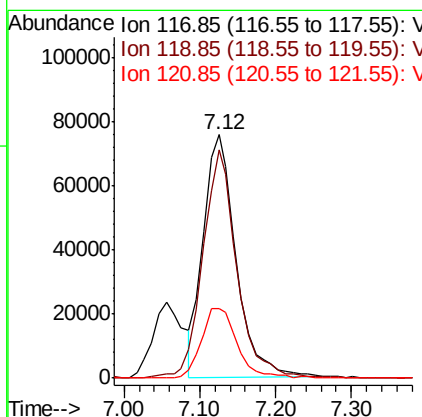
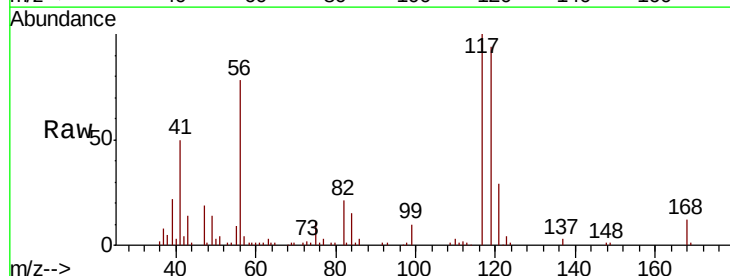
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBS02

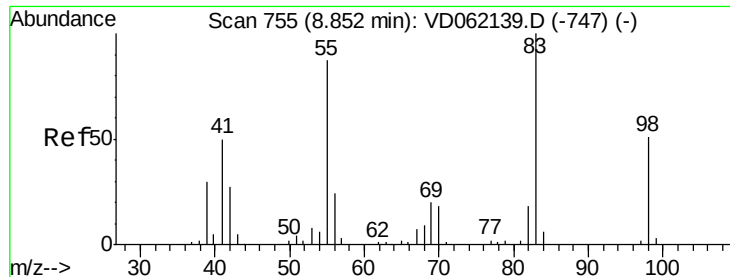
Tot Ion: 43 Resp: 66307
Ion Ratio Lower Upper
43 100
61 12.2 14.7 22.1#
70 8.1 7.8 11.6



#38
Carbon Tetrachloride
Concen: 22.930 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.03 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

Tgt Ion: 117 Resp: 228744
Ion Ratio Lower Upper
117 100
119 93.9 75.8 113.8
121 28.8 25.9 38.9

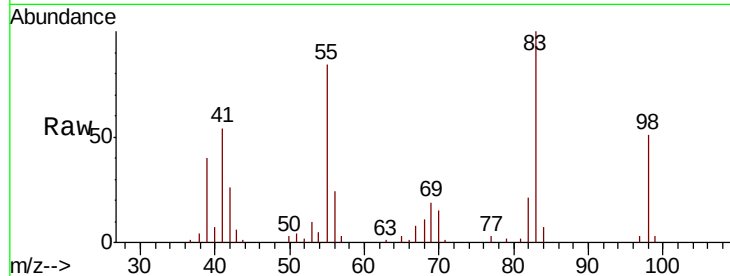




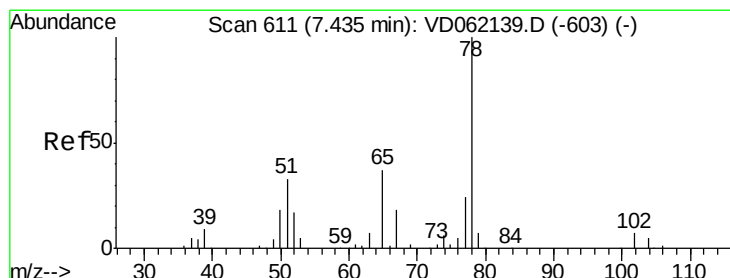
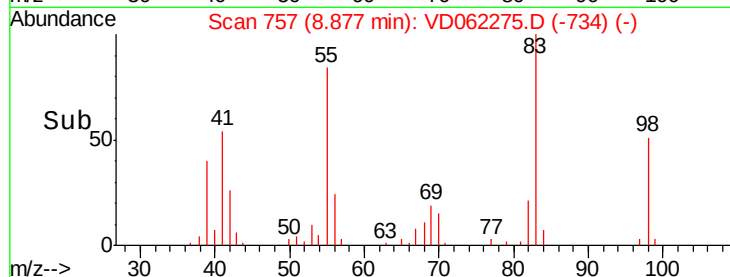
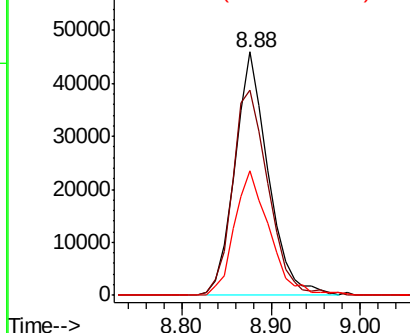
#39
Methylvlcyclohexane
Concen: 17.274 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0512SBS02

Tot Ion: 83 Resp: 119289
Ion Ratio Lower Upper
83 100
55 84.2 68.2 102.4
98 51.4 38.2 57.4

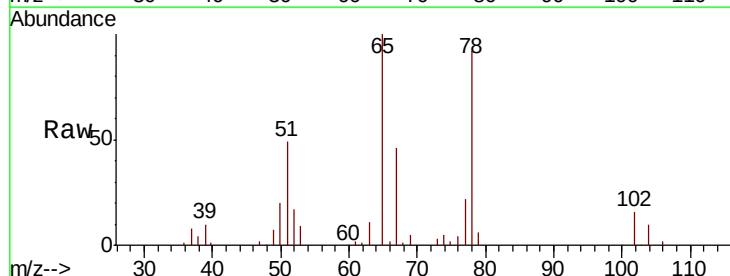


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

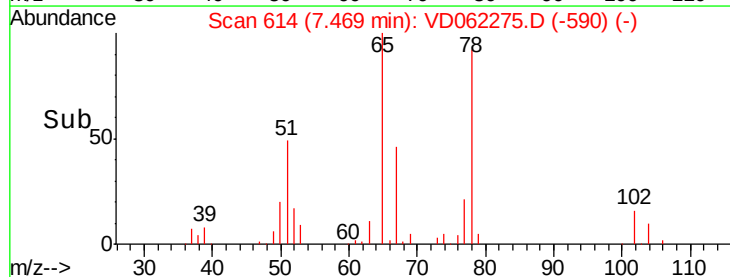
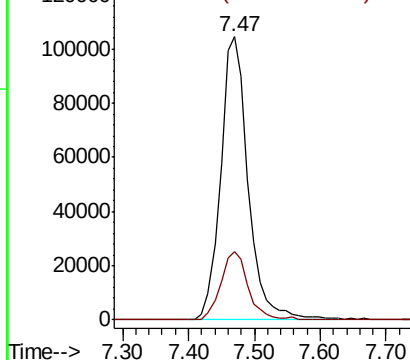


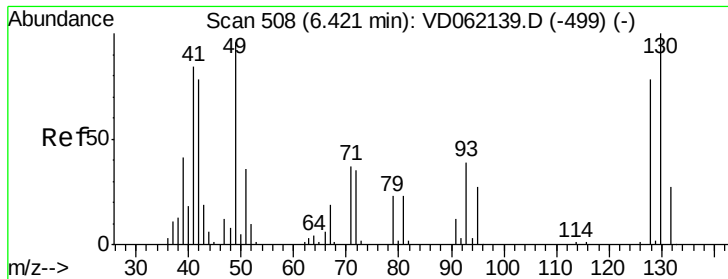
#40
Benzene
Concen: 18.649 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.03 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

Tgt Ion: 78 Resp: 303527
Ion Ratio Lower Upper
78 100
77 24.0 19.7 29.5



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

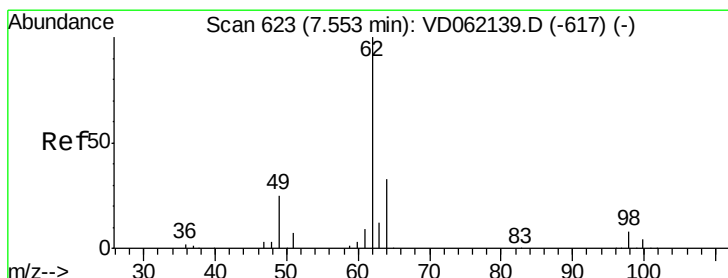
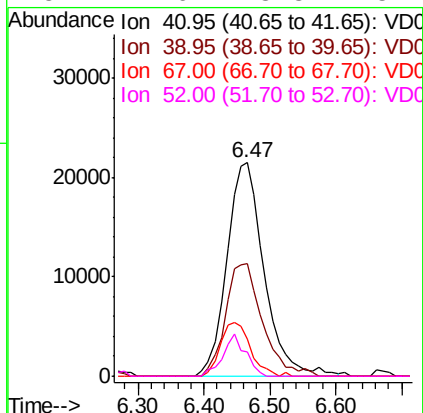
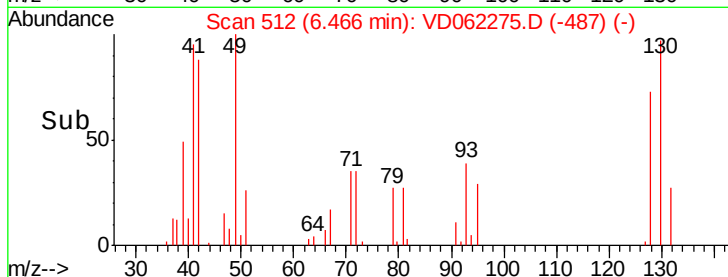
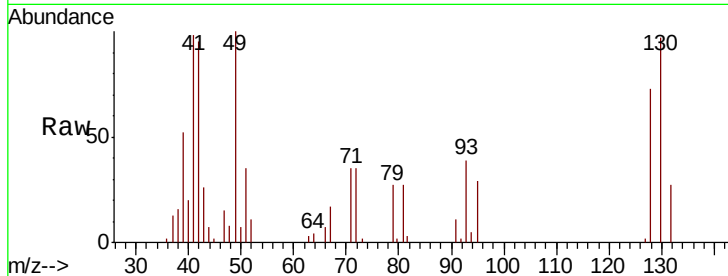




#41
Methacrylonitrile
Concen: 22.673 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

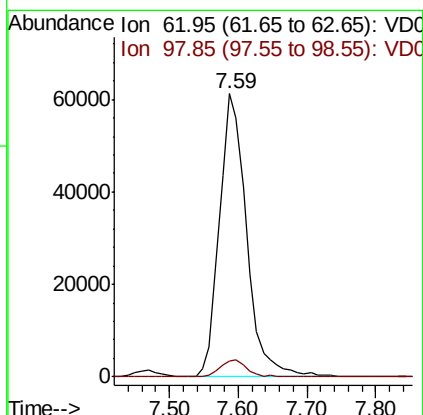
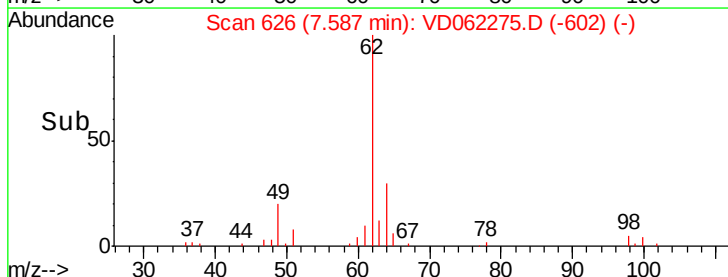
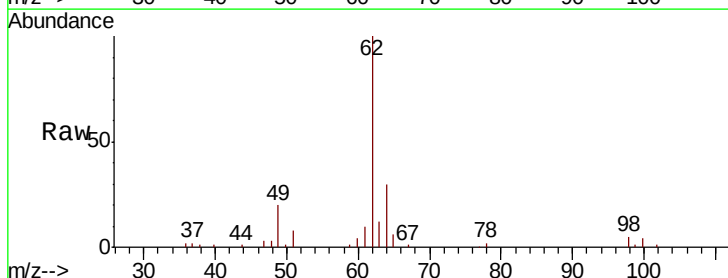
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBS02

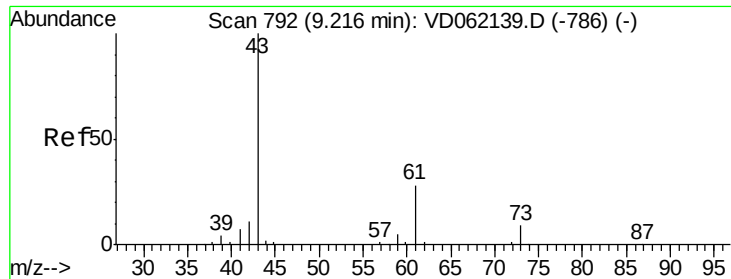
Tot Ion: 41 Resp: 84690
Ion Ratio Lower Upper
41 100
39 52.7 34.1 51.1#
67 17.5 23.8 35.6#
52 11.6 8.8 13.2



#42
1,2-Dichloroethane
Concen: 24.355 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.03 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

Tgt Ion: 62 Resp: 167948
Ion Ratio Lower Upper
62 100
98 5.5 0.0 17.8





#43

Isopropyl Acetate

Concen: 20.650 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.03 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBS02

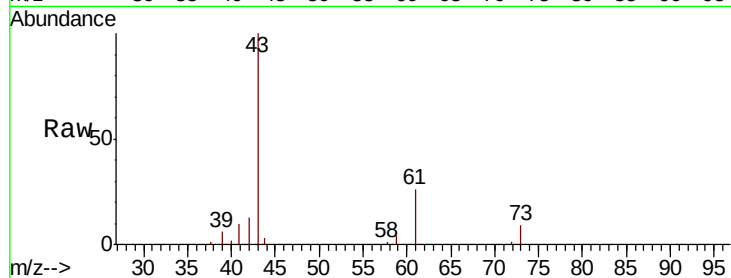
Tot Ion: 43 Resp: 89516

Ion Ratio Lower Upper

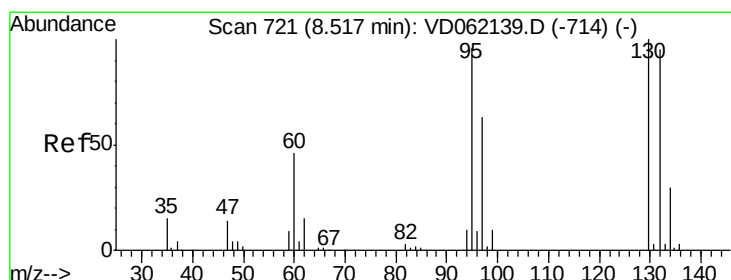
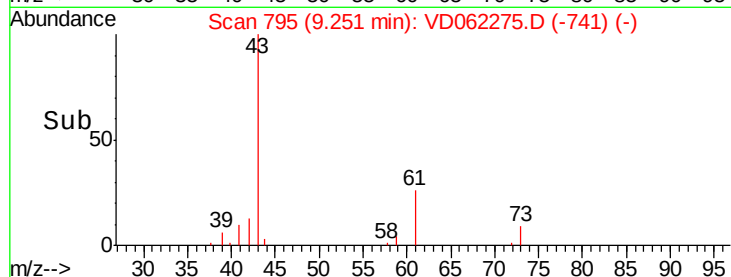
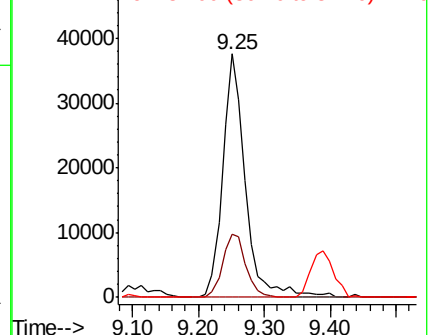
43 100

61 26.2 25.1 37.7

87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 18.116 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.03 min

Lab File: VD062275.D

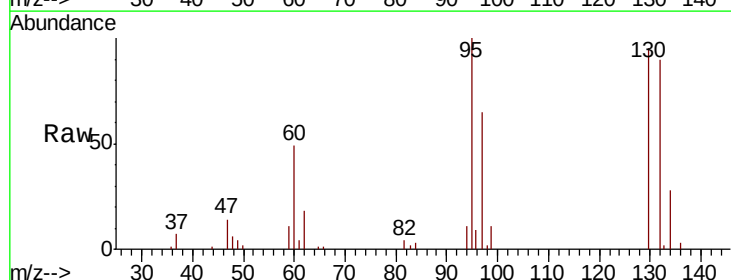
Acq: 13 May 2019 00:04

Tgt Ion: 130 Resp: 112356

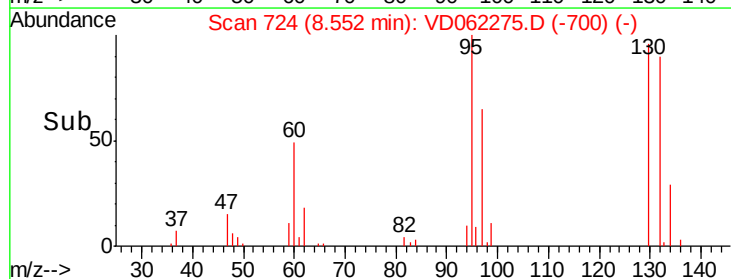
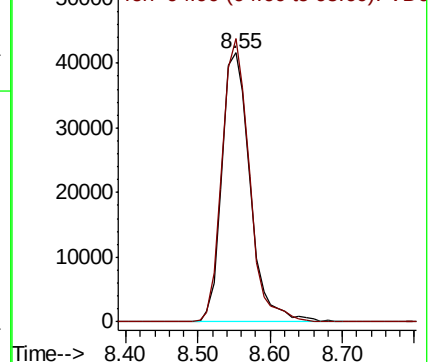
Ion Ratio Lower Upper

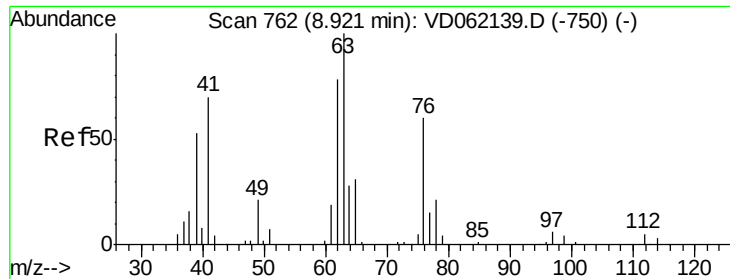
130 100

95 105.1 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC

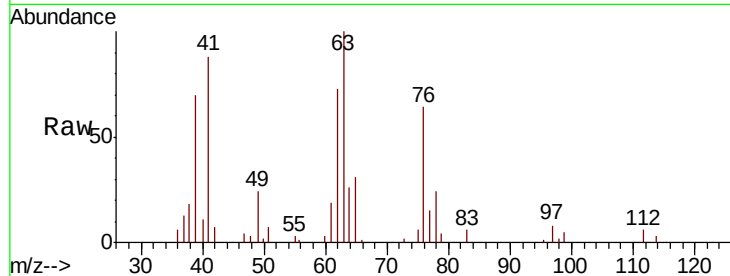




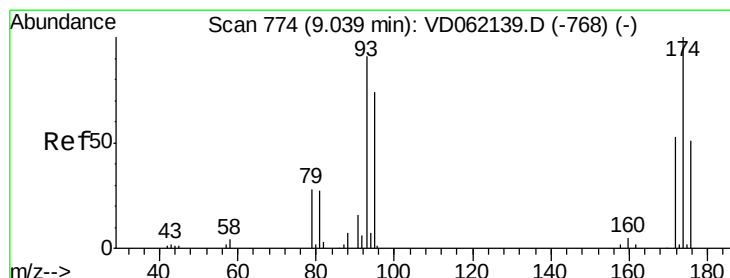
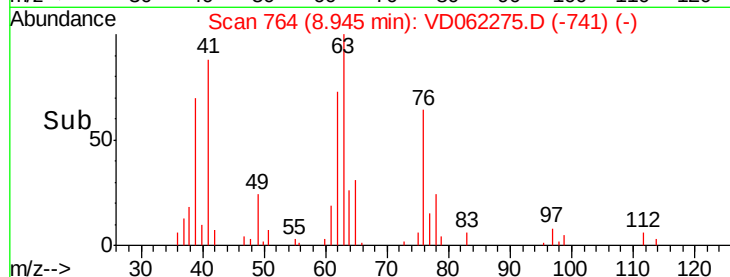
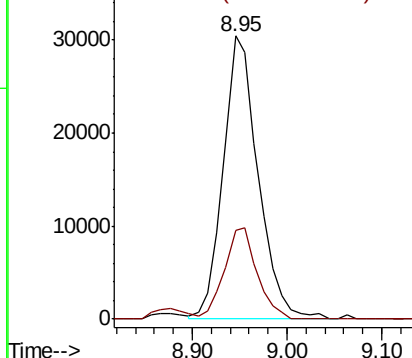
#45
 1,2-Dichloropropane
 Concen: 19.334 ug/l
 RT: 8.95 min Scan# 764
 Delta R.T. 0.02 min
 Lab File: VD062275.D
 Acq: 13 May 2019 00:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBS02

Tot Ion: 63 Resp: 77836
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.8 35.6

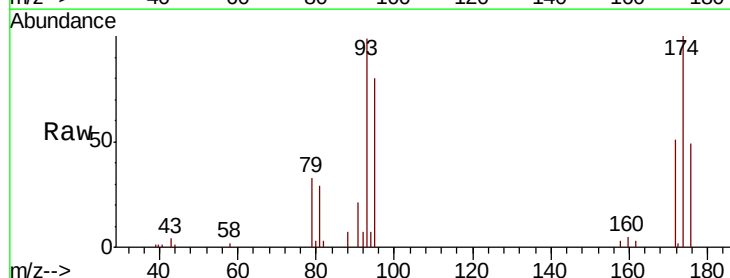


Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 64.95 (64.65 to 65.65): VDC

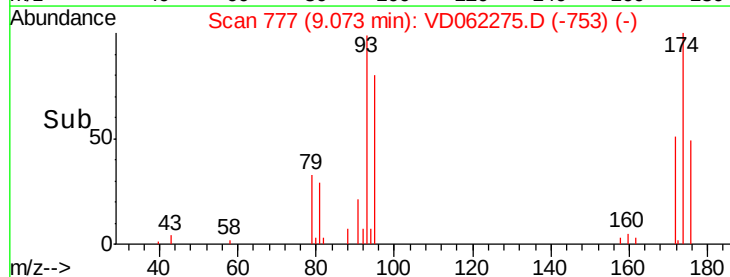
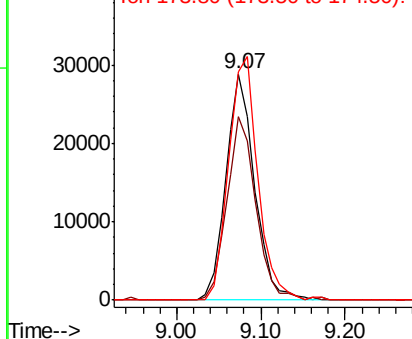


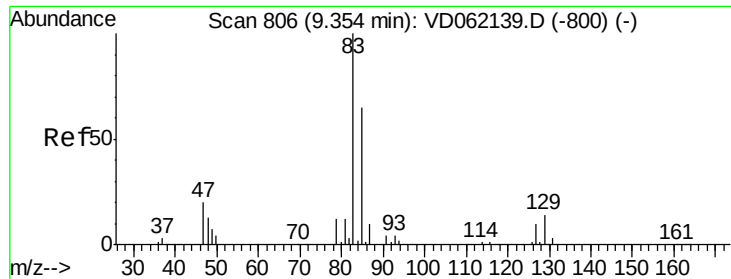
#46
 Dibromomethane
 Concen: 20.886 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.03 min
 Lab File: VD062275.D
 Acq: 13 May 2019 00:04

Tgt Ion: 93 Resp: 68374
 Ion Ratio Lower Upper
 93 100
 95 81.1 64.8 97.2
 174 101.1 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC
 Ion 94.90 (94.60 to 95.60): VDC
 Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.046 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.03 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBS02

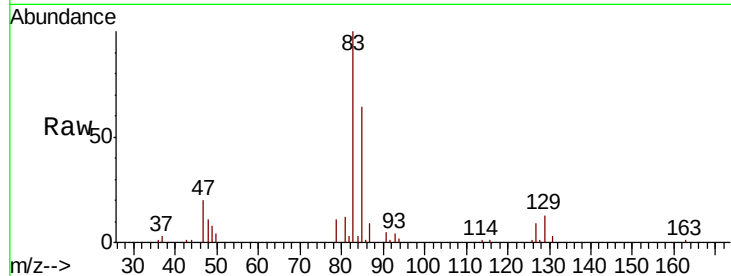
Tot Ion: 83 Resp: 176536

Ion Ratio Lower Upper

83 100

85 63.9 50.9 76.3

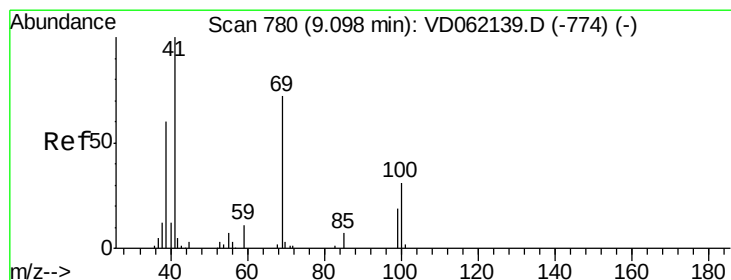
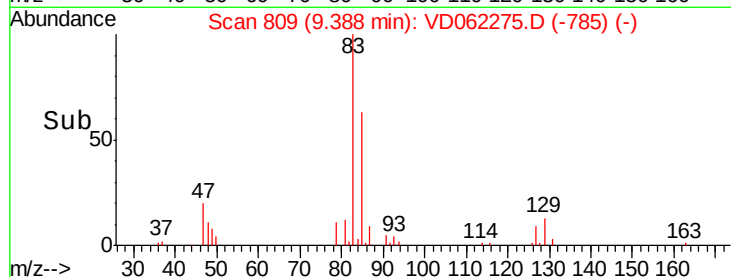
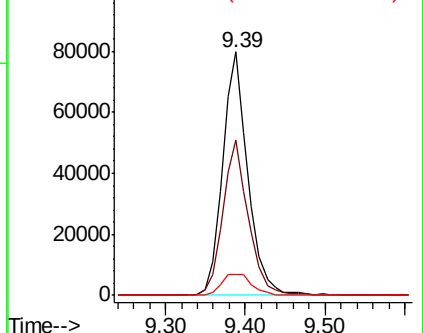
127 8.6 8.1 12.1



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: 22.244 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.03 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

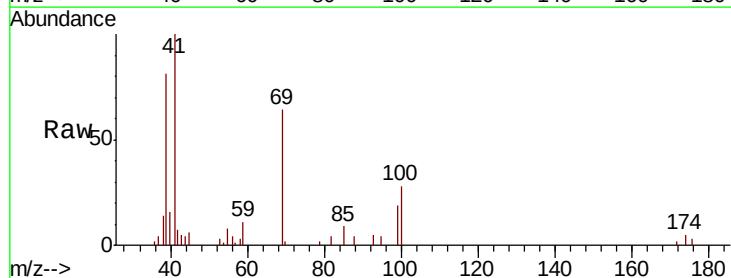
Tgt Ion: 41 Resp: 59395

Ion Ratio Lower Upper

41 100

69 63.8 64.2 96.2#

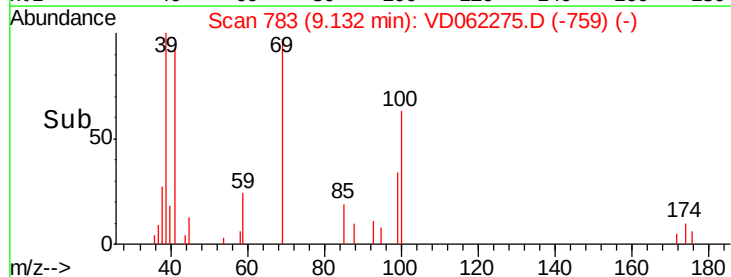
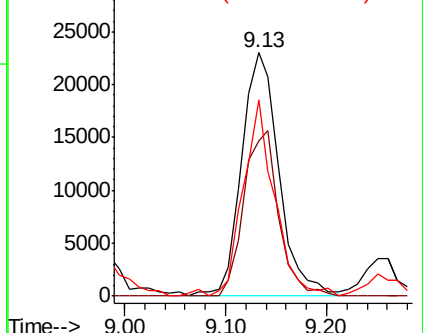
39 80.7 46.8 70.2#

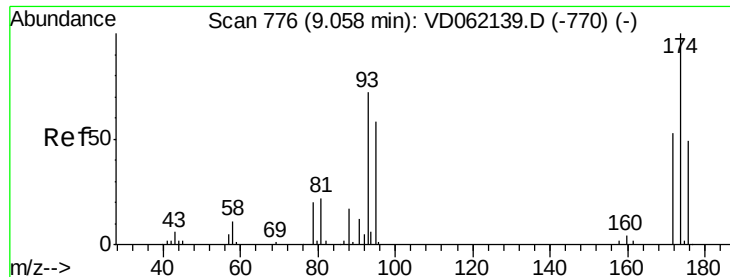


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

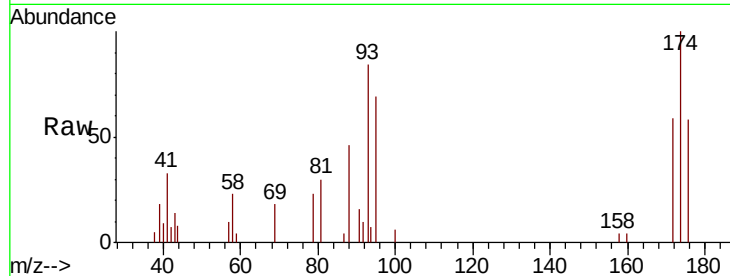




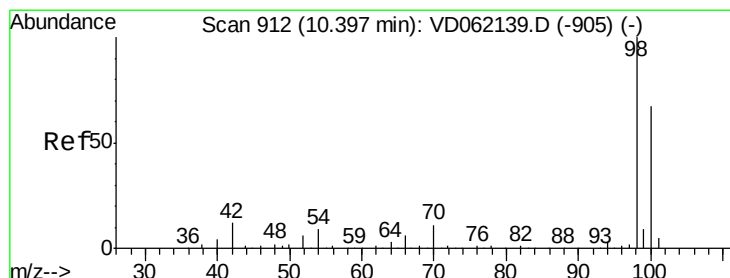
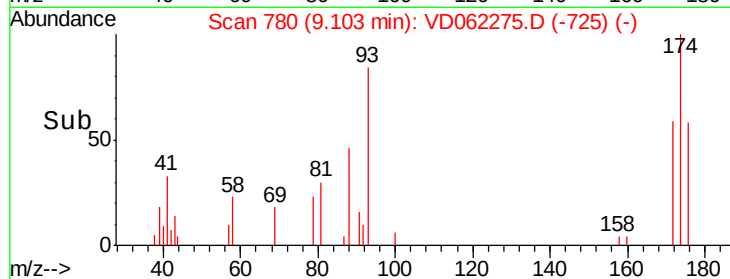
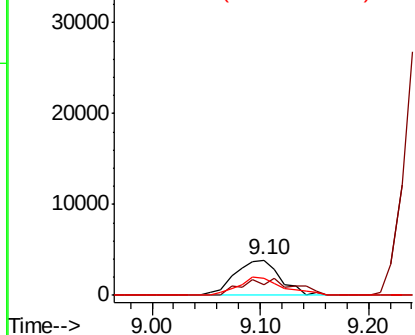
#49
 1,4-Dioxane
 Concen: 388.373 ug/l
 RT: 9.10 min Scan# 780
 Delta R.T. 0.04 min
 Lab File: VD062275.D
 Acq: 13 May 2019 00:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBS02

Tot Ion: 88 Resp: 11189
 Ion Ratio Lower Upper
 88 100
 43 30.7 23.4 35.0
 58 49.2 44.0 66.0

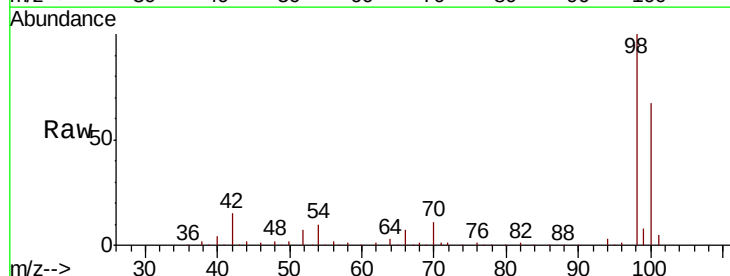


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

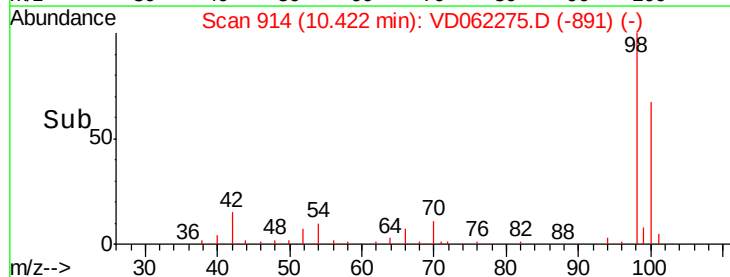
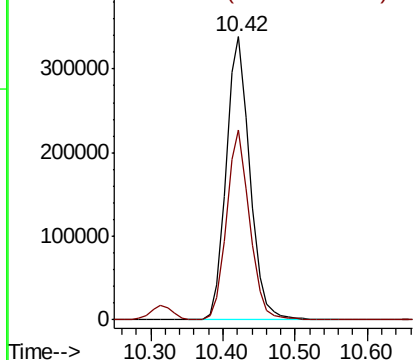


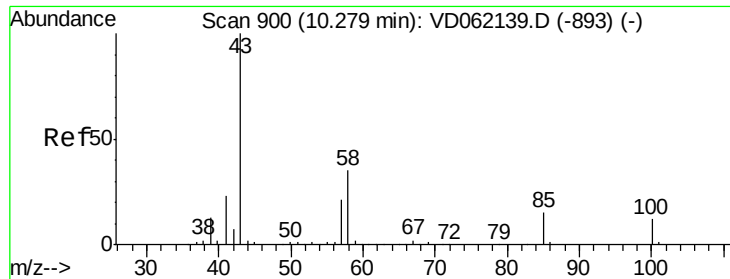
#50
 Toluene-d8
 Concen: 43.823 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. 0.02 min
 Lab File: VD062275.D
 Acq: 13 May 2019 00:04

Tgt Ion: 98 Resp: 770667
 Ion Ratio Lower Upper
 98 100
 100 66.9 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: 111.483 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.03 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Instrument :

MSVOA_D

ClientSampleId :

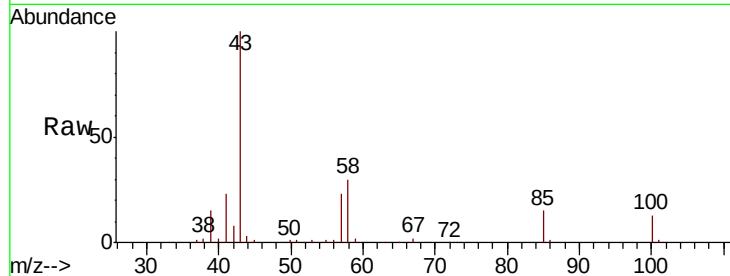
VD0512SBS02

Tot Ion: 43 Resp: 310654

Ion Ratio Lower Upper

43 100

58 30.4 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

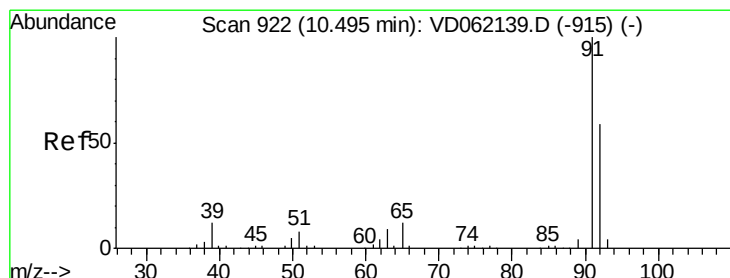
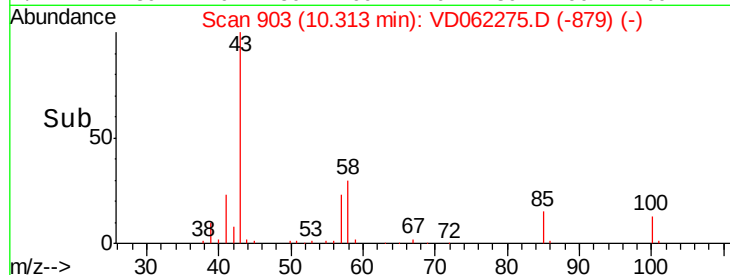
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.070 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD062275.D

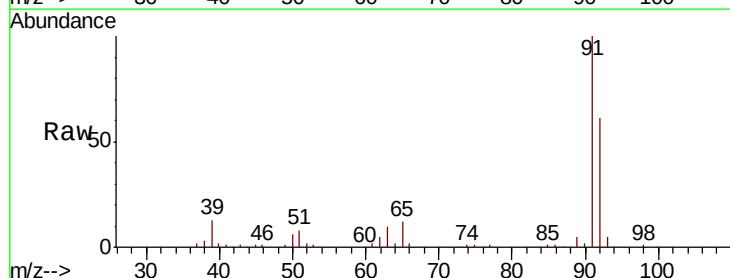
Acq: 13 May 2019 00:04

Tgt Ion: 92 Resp: 223119

Ion Ratio Lower Upper

92 100

91 165.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

200000

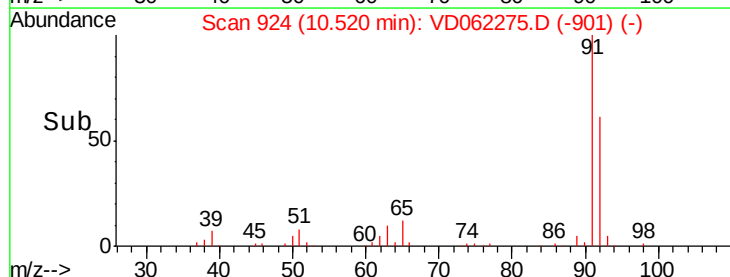
150000

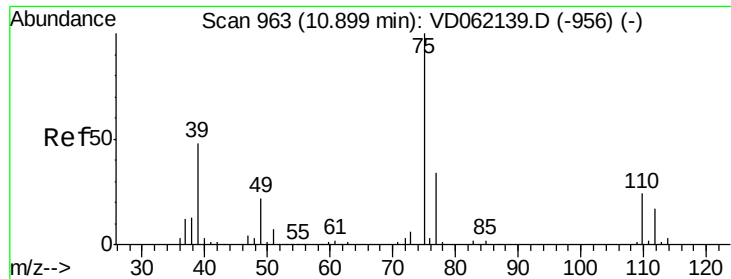
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.112 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.02 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Instrument :

MSVOA_D

ClientSampleId :

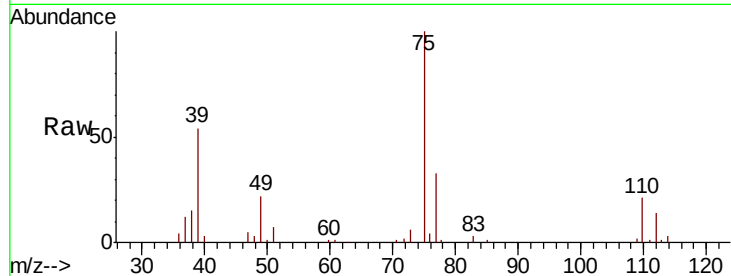
VD0512SBS02

Tot Ion: 75 Resp: 146115

Ion Ratio Lower Upper

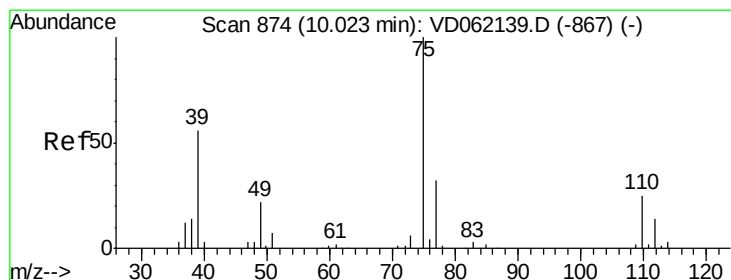
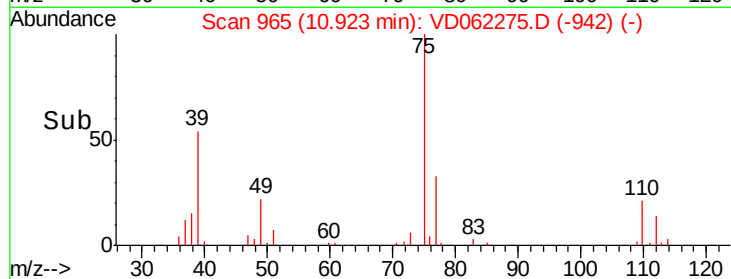
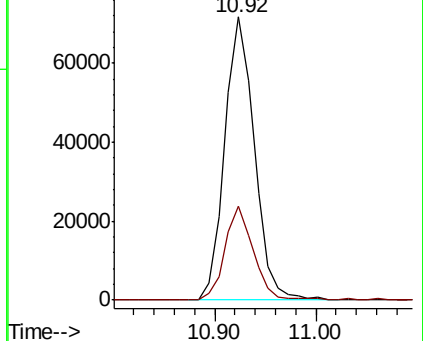
75 100

77 33.2 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.896 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.02 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

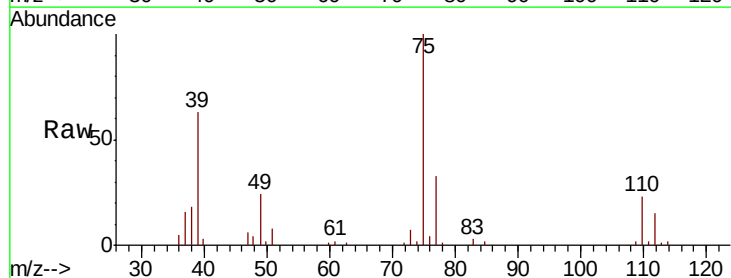
Tgt Ion: 75 Resp: 150216

Ion Ratio Lower Upper

75 100

77 33.3 25.5 38.3

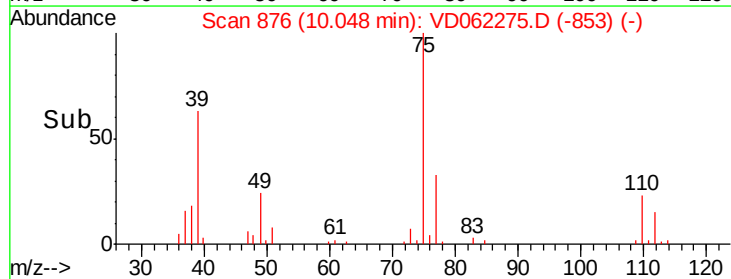
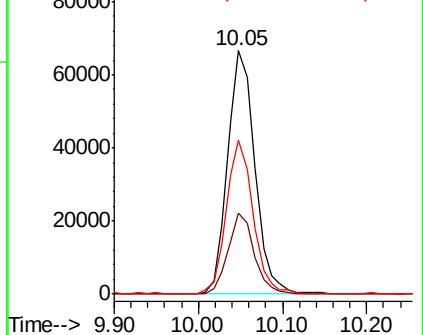
39 63.2 39.4 59.2#

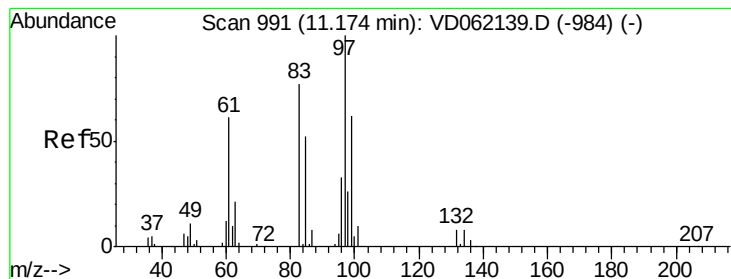


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 19.906 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.02 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBS02

Tot Ion: 97 Resp: 74586

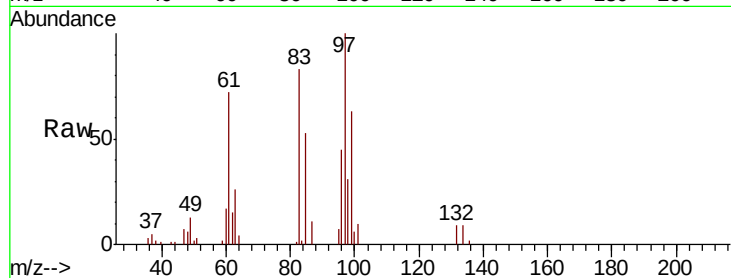
Ion Ratio Lower Upper

97 100

83 84.1 65.7 98.5

85 53.2 45.6 68.4

99 63.4 48.4 72.6

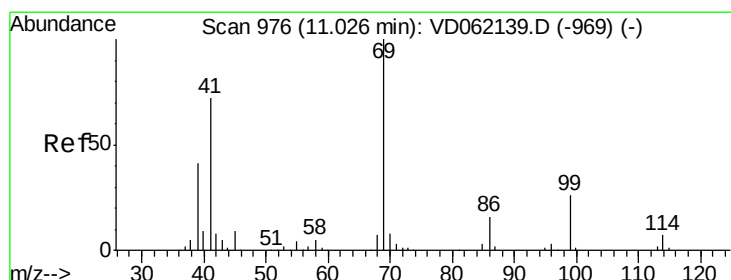
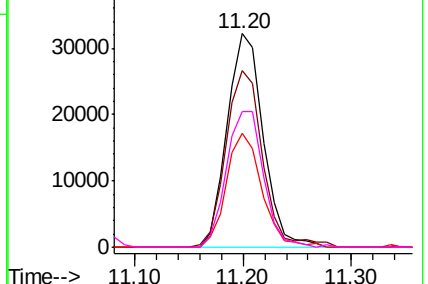
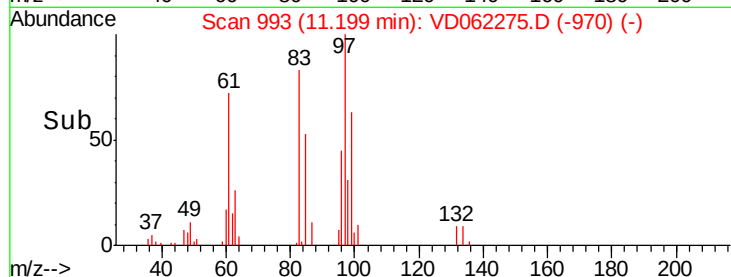


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 20.479 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.02 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

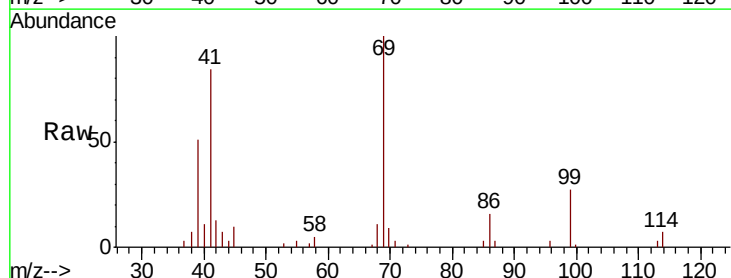
Tgt Ion: 69 Resp: 79735

Ion Ratio Lower Upper

69 100

41 84.3 56.3 84.5

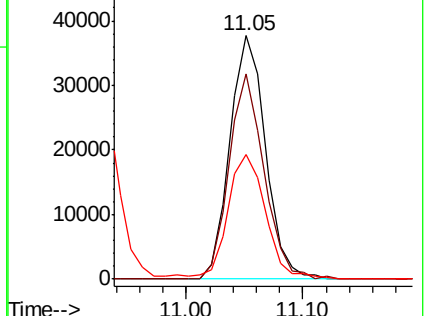
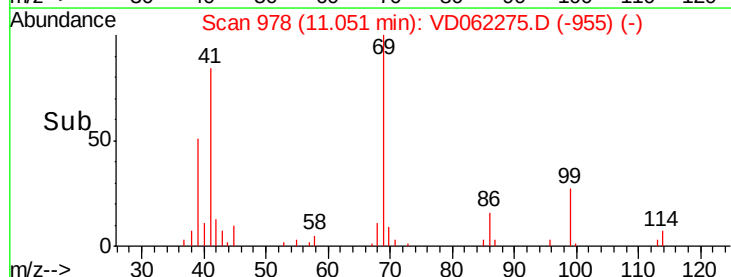
39 51.3 29.4 44.2#

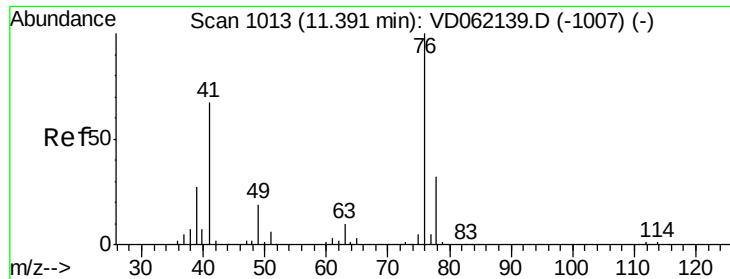


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

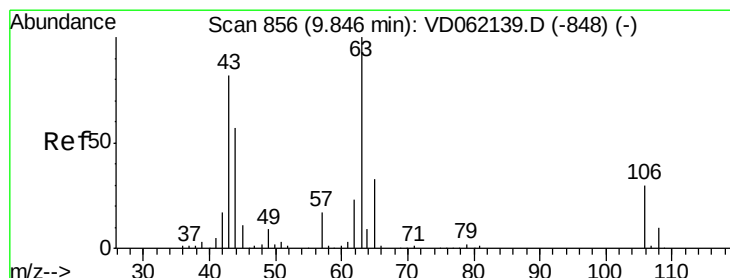
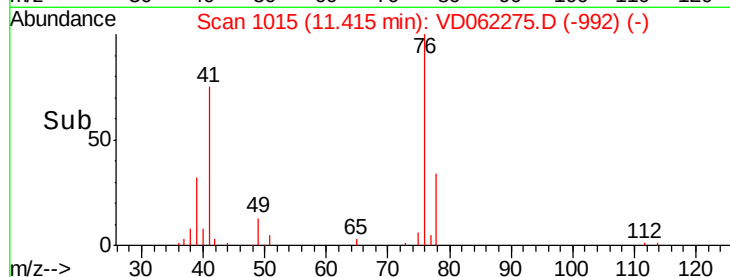
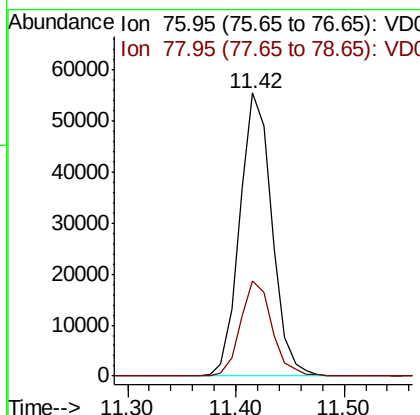
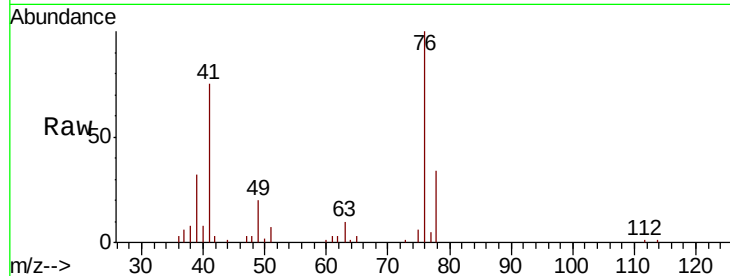




#57
 1,3-Dichloropropane
 Concen: 20.203 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.02 min
 Lab File: VD062275.D
 Acq: 13 May 2019 00:04

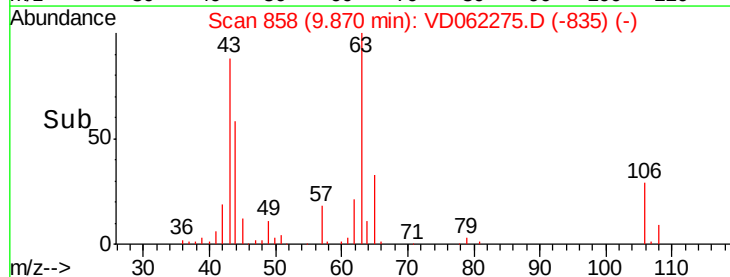
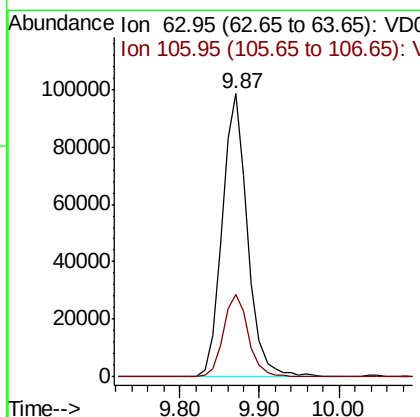
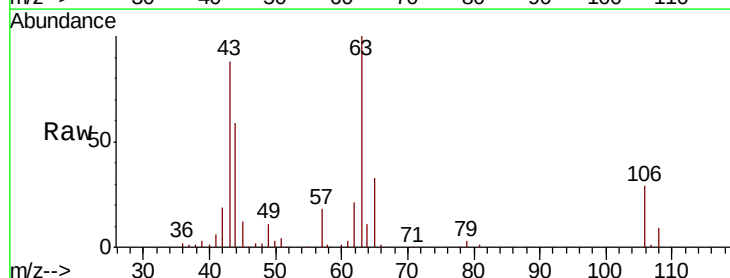
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBS02

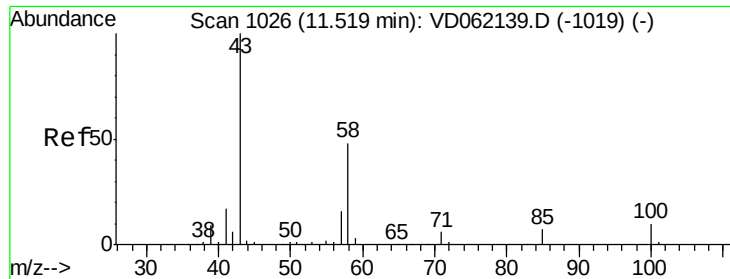
Tot Ion: 76 Resp: 114361
 Ion Ratio Lower Upper
 76 100
 78 33.5 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.983 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VD062275.D
 Acq: 13 May 2019 00:04

Tgt Ion: 63 Resp: 219022
 Ion Ratio Lower Upper
 63 100
 106 29.1 22.6 34.0

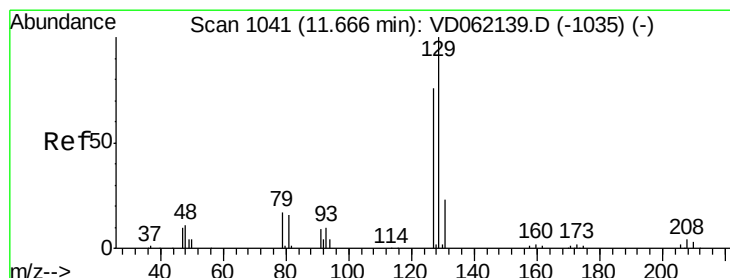
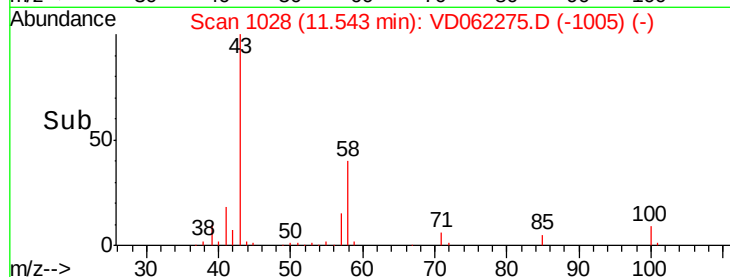
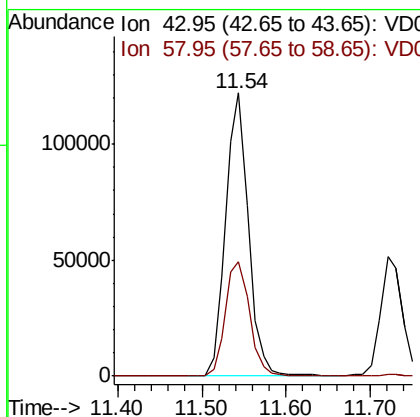
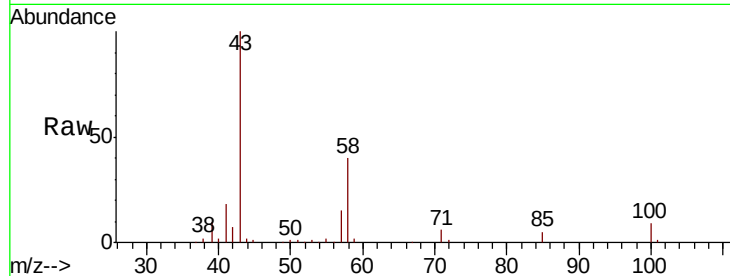




#59
2-Hexanone
Concen: 111.894 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

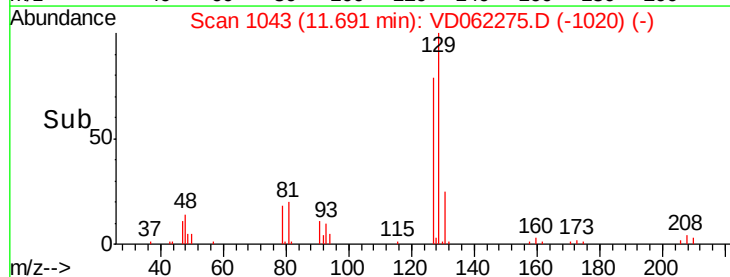
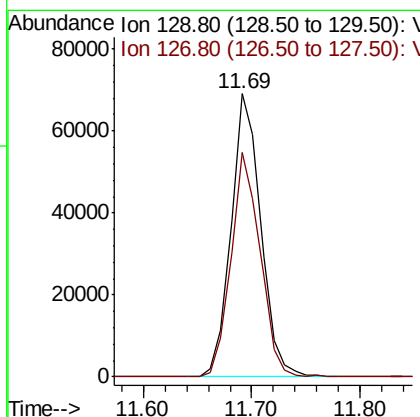
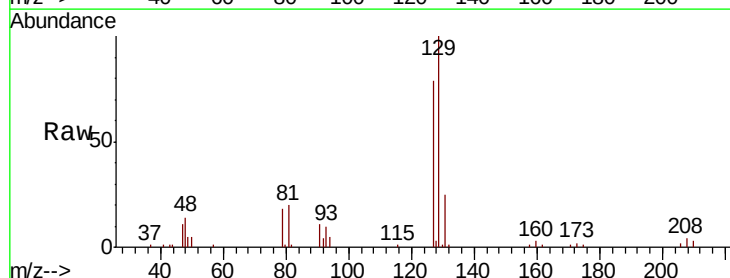
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBS02

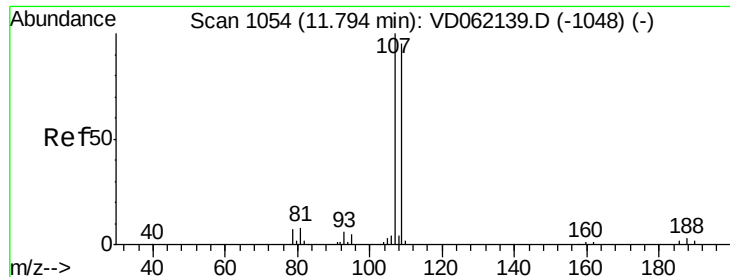
Tot Ion: 43 Resp: 229809
Ion Ratio Lower Upper
43 100
58 40.3 25.4 76.4



#60
Dibromochloromethane
Concen: 20.334 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

Tgt Ion:129 Resp: 131667
Ion Ratio Lower Upper
129 100
127 79.3 38.0 113.9

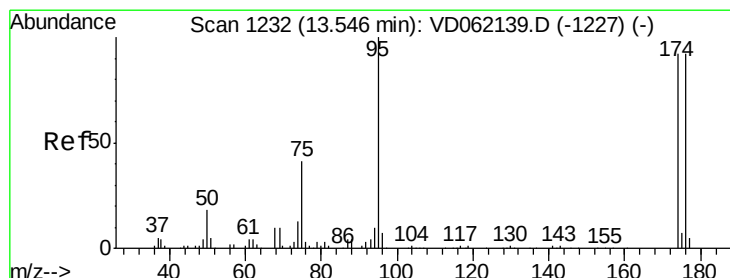
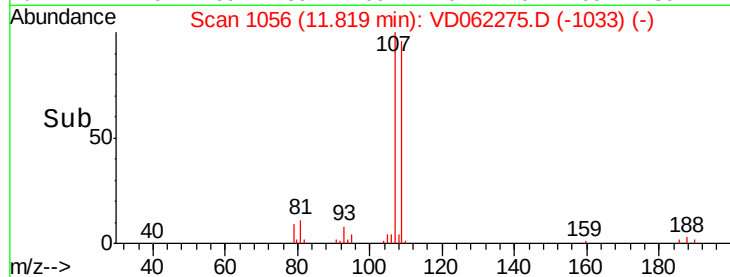
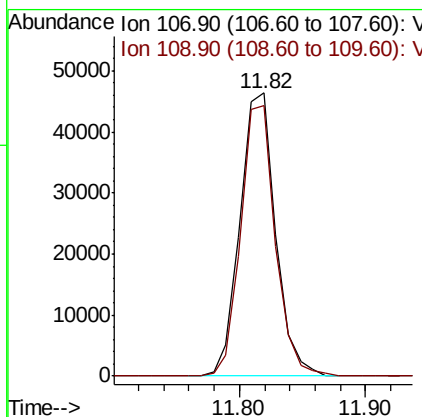
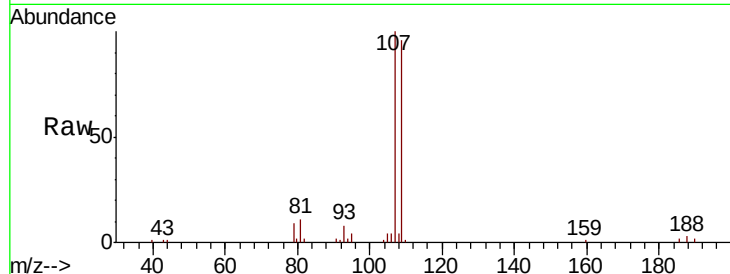




#61
 1,2-Dibromoethane
 Concen: 19.862 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.02 min
 Lab File: VD062275.D
 Acq: 13 May 2019 00:04

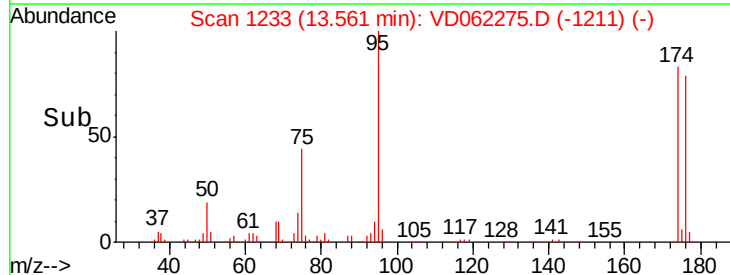
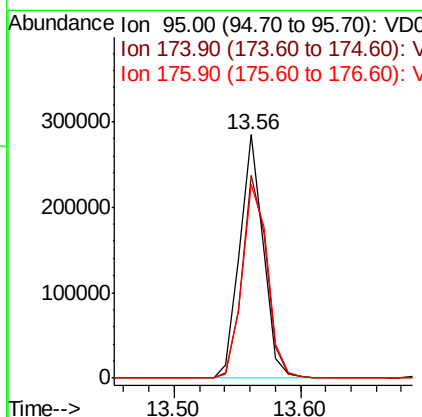
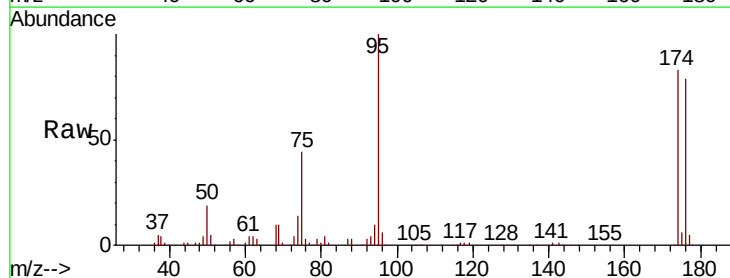
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBS02

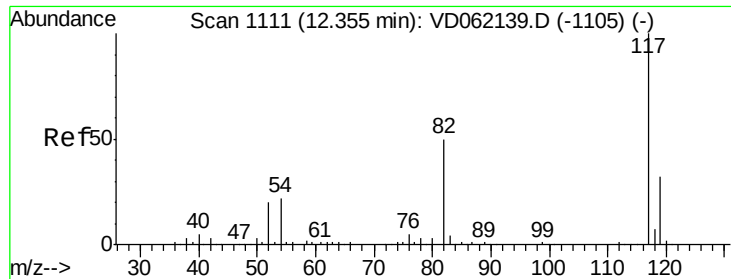
Tot Ion:107 Resp: 90477
 Ion Ratio Lower Upper
 107 100
 109 95.6 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 51.715 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.02 min
 Lab File: VD062275.D
 Acq: 13 May 2019 00:04

Tgt Ion: 95 Resp: 365206
 Ion Ratio Lower Upper
 95 100
 174 83.1 0.0 181.8
 176 79.4 0.0 174.4

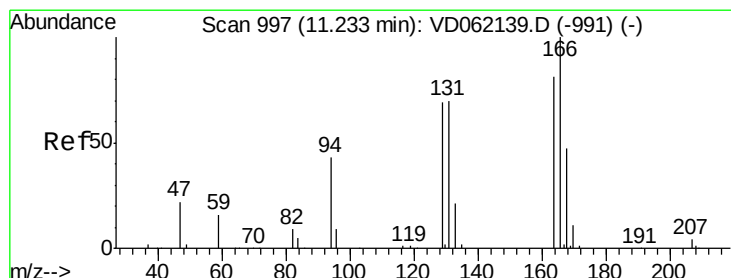
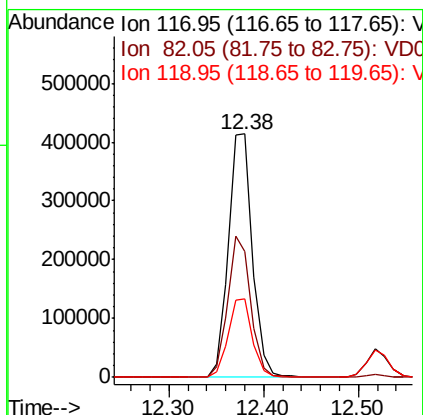
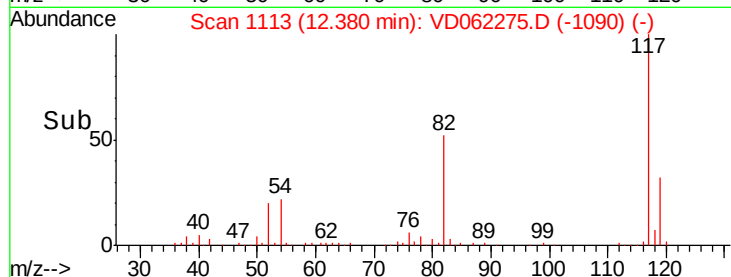
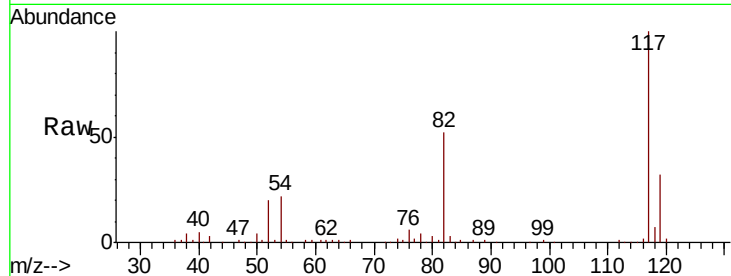




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

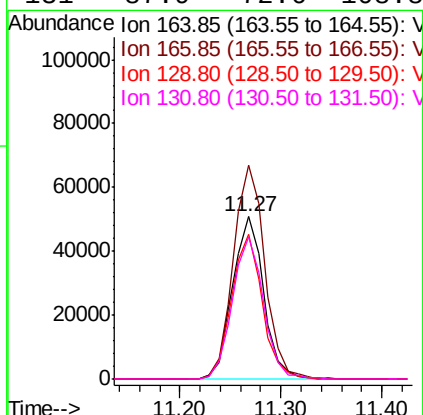
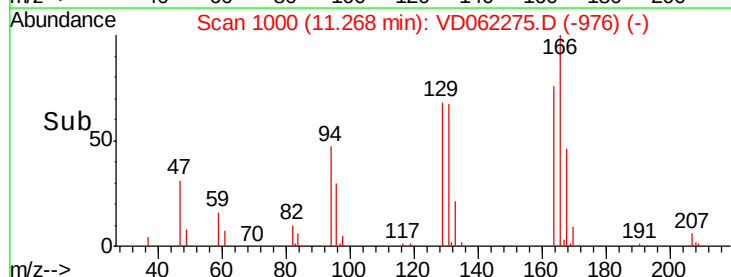
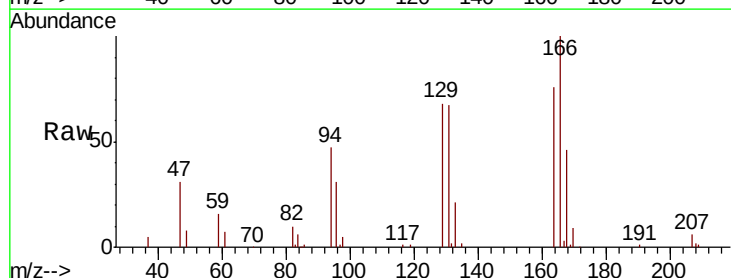
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBS02

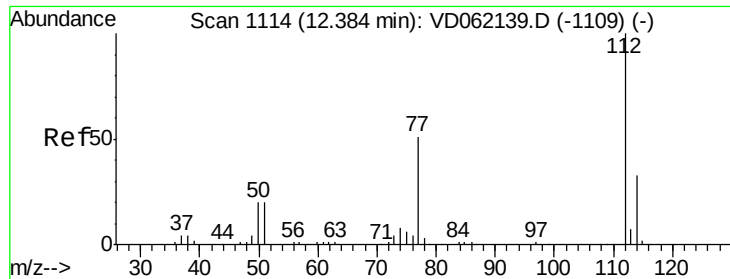
Tot Ion:117 Resp: 729380
Ion Ratio Lower Upper
117 100
82 51.6 36.2 54.2
119 32.5 26.2 39.4



#64
Tetrachloroethene
Concen: 19.044 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.03 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

Tgt Ion:164 Resp: 108616
Ion Ratio Lower Upper
164 100
166 131.7 101.5 152.3
129 89.1 74.6 112.0
131 87.9 72.6 108.8

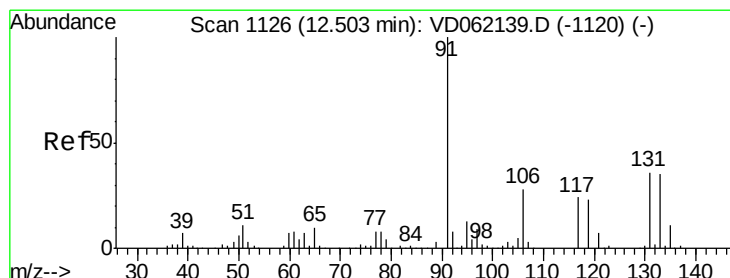
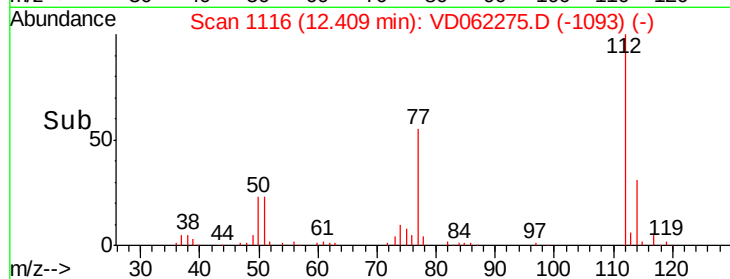
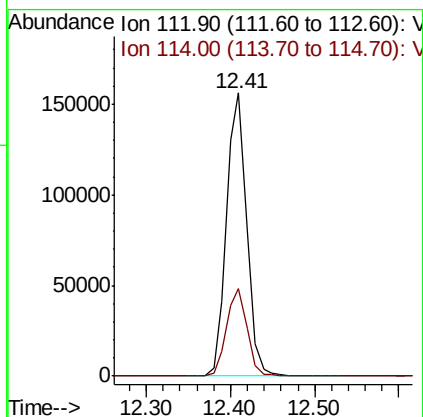
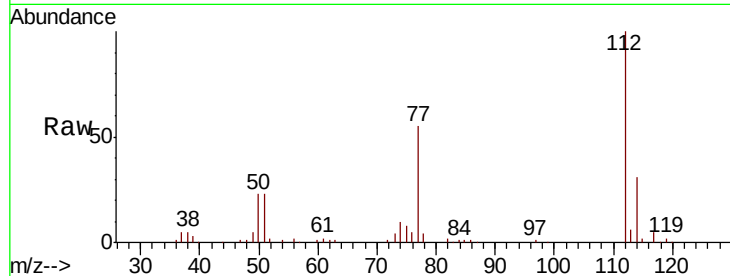




#65
Chlorobenzene
Concen: 19.090 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

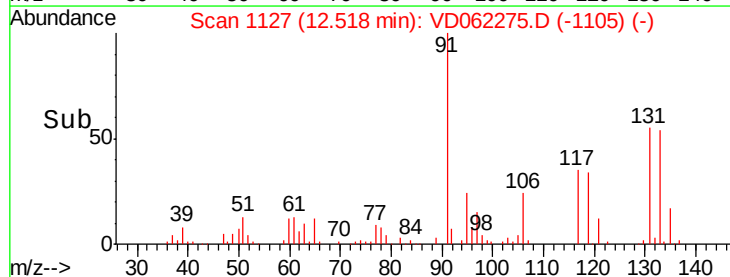
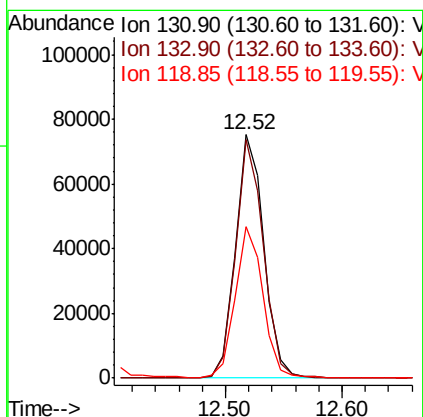
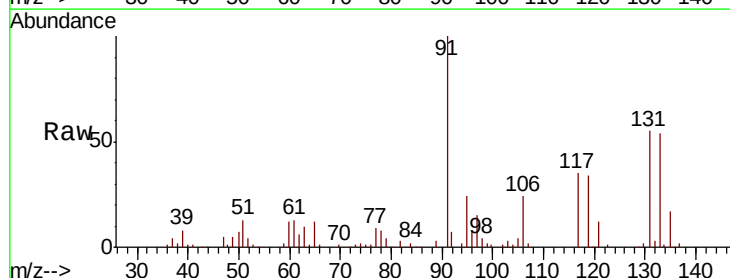
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBS02

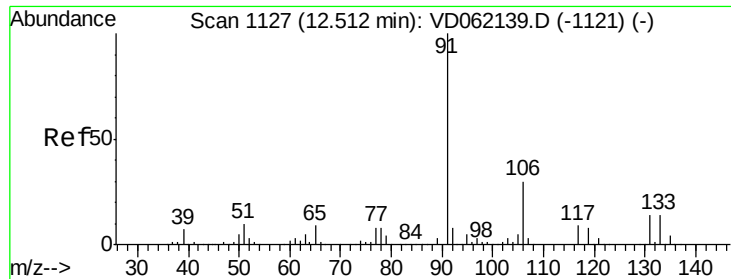
Tot Ion:112 Resp: 259334
Ion Ratio Lower Upper
112 100
114 31.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.341 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.02 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

Tgt Ion:131 Resp: 126177
Ion Ratio Lower Upper
131 100
133 97.8 48.6 145.8
119 62.2 34.7 104.1

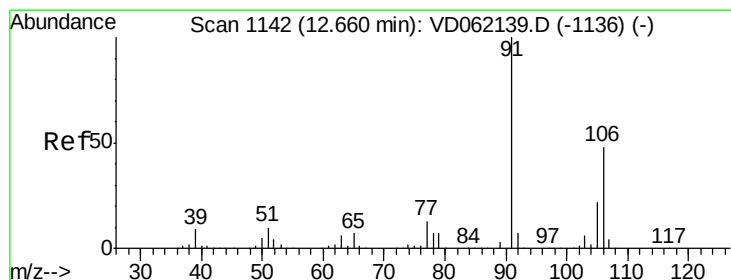
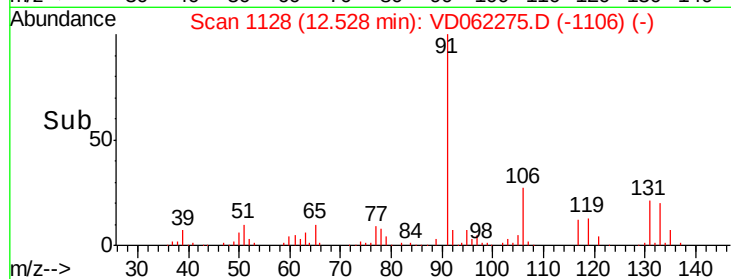
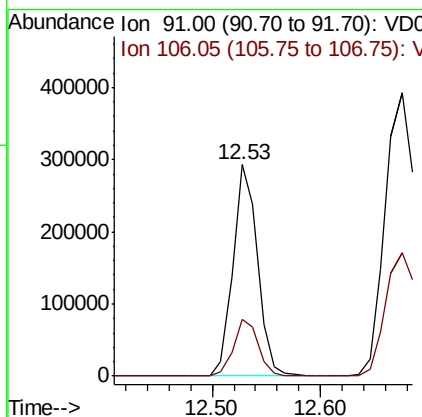
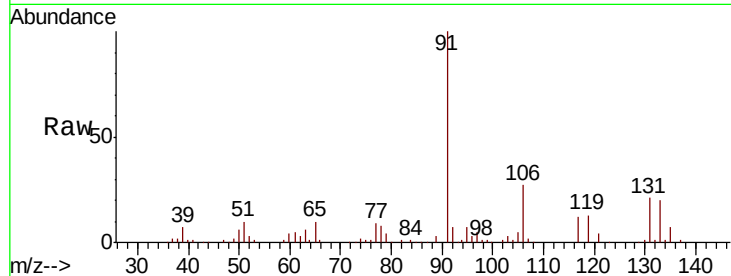




#67
Ethyl Benzene
Concen: 20.379 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

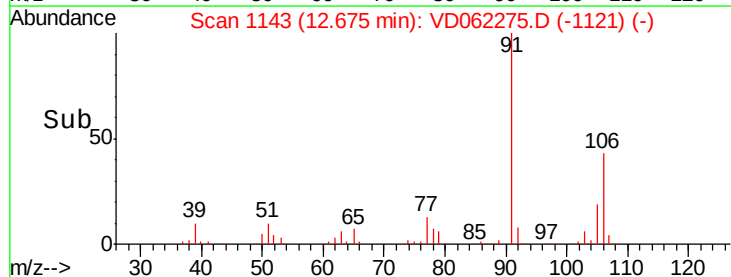
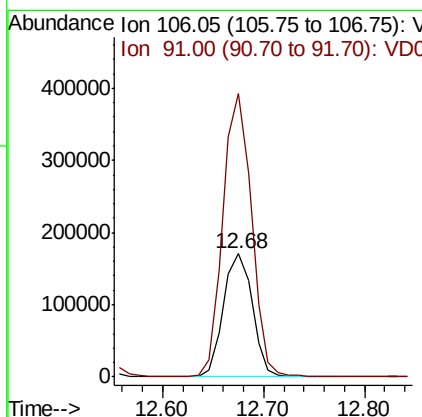
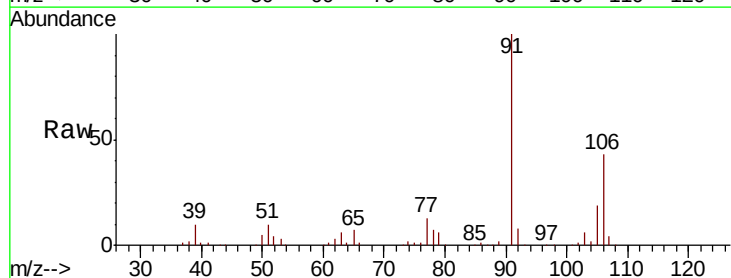
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBS02

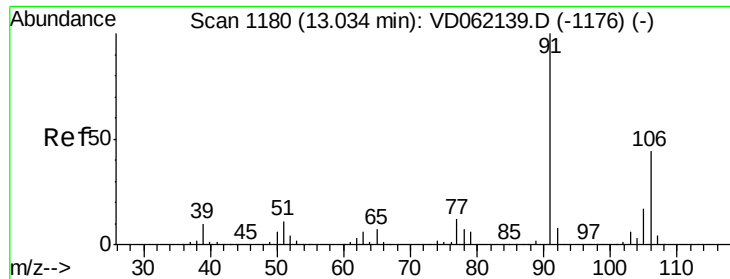
Tot Ion: 91 Resp: 463485
Ion Ratio Lower Upper
91 100
106 27.2 24.7 37.1



#68
m/p-Xylenes
Concen: 41.371 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

Tgt Ion: 106 Resp: 342323
Ion Ratio Lower Upper
106 100
91 230.4 164.0 246.0

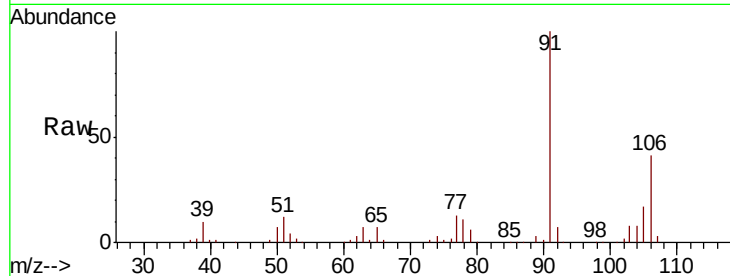




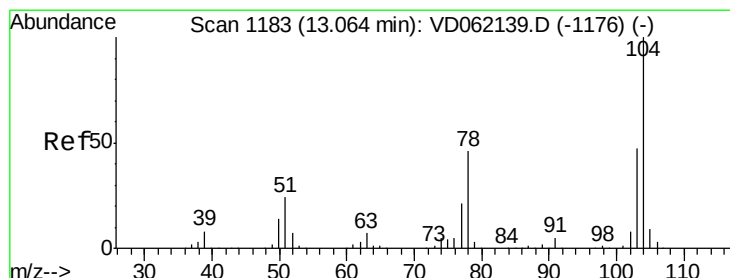
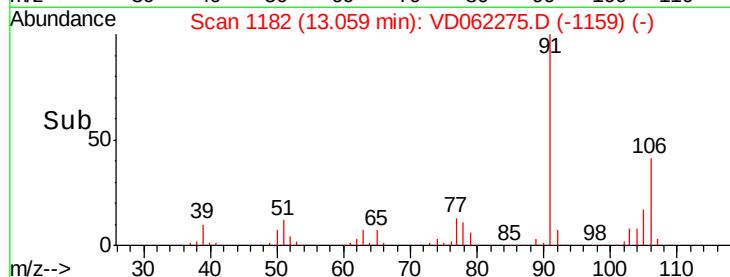
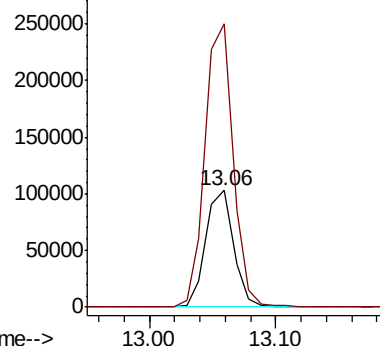
#69
o-Xylene
Concen: 20.445 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0512SBS02

Tot Ion:106 Resp: 157281
Ion Ratio Lower Upper
106 100
91 243.1 106.7 319.9

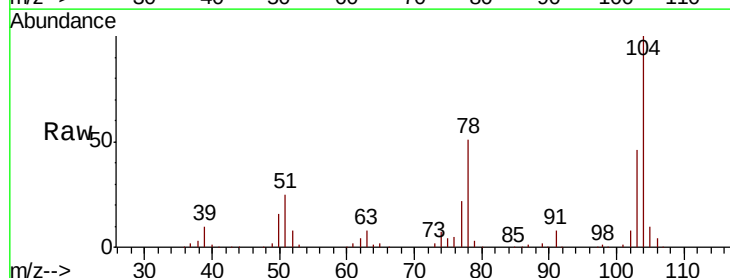


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

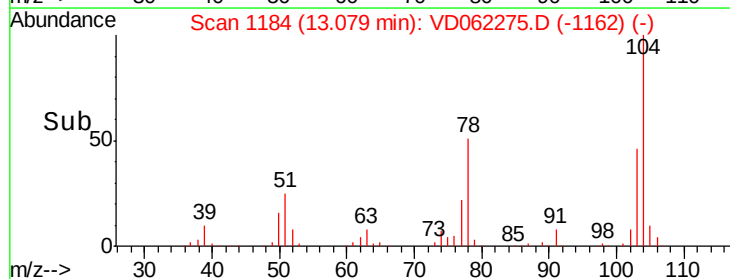
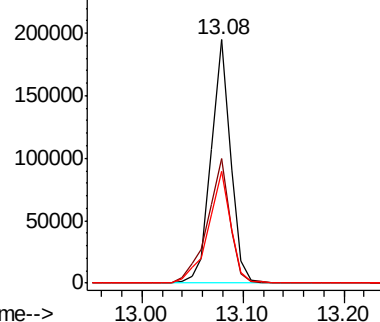


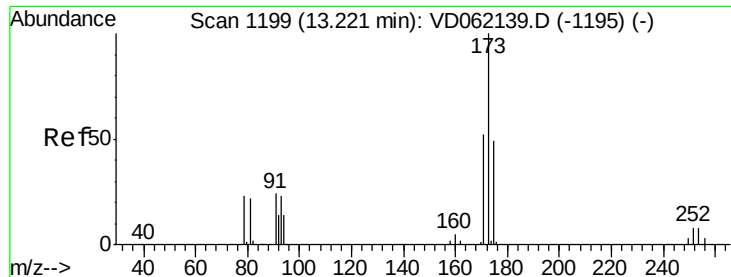
#70
Styrene
Concen: 20.025 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.02 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

Tgt Ion:104 Resp: 260959
Ion Ratio Lower Upper
104 100
78 50.9 35.4 53.2
103 45.9 37.5 56.3



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





#71

Bromoform

Concen: 21.339 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBS02

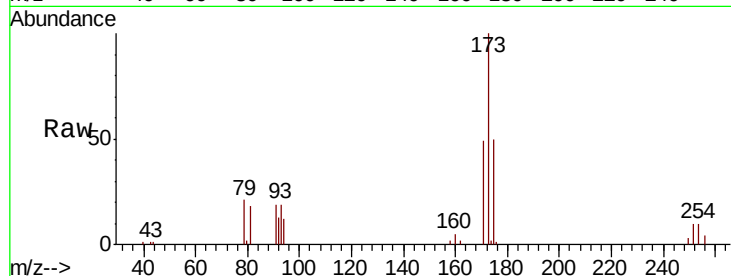
Tot Ion:173 Resp: 87775

Ion Ratio Lower Upper

173 100

175 50.1 24.4 73.4

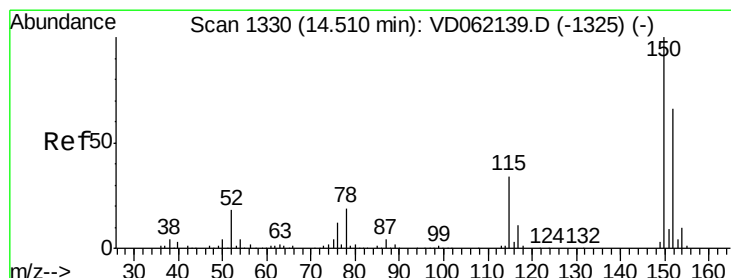
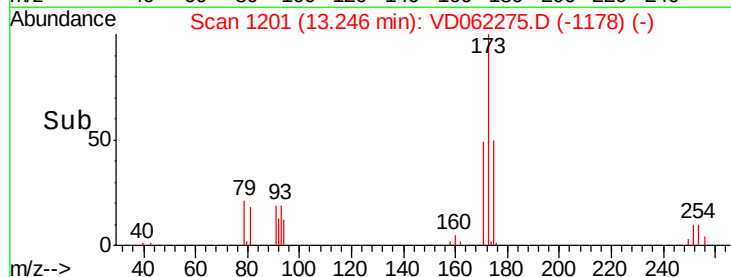
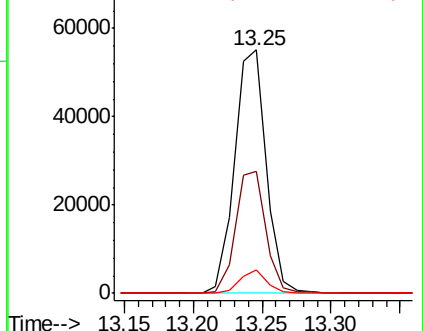
254 9.6 5.4 8.2#



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: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

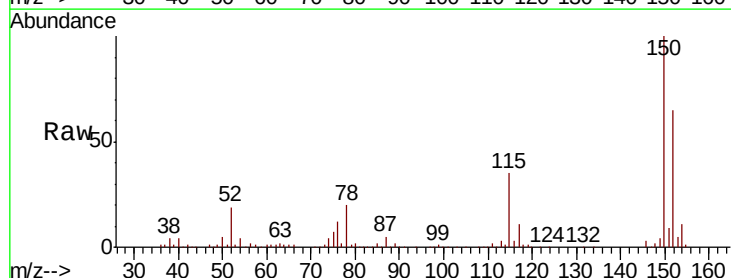
Tgt Ion:152 Resp: 397758

Ion Ratio Lower Upper

152 100

115 53.8 30.9 92.7

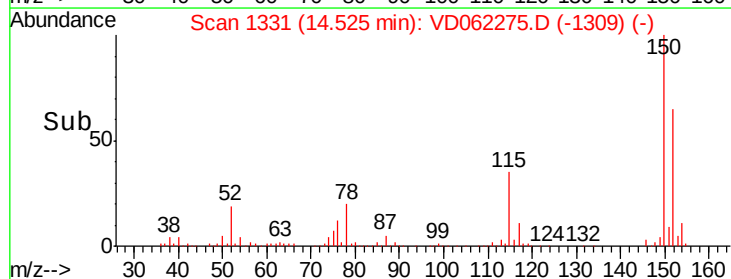
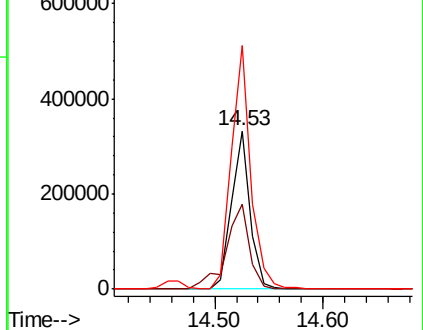
150 153.7 0.0 314.8

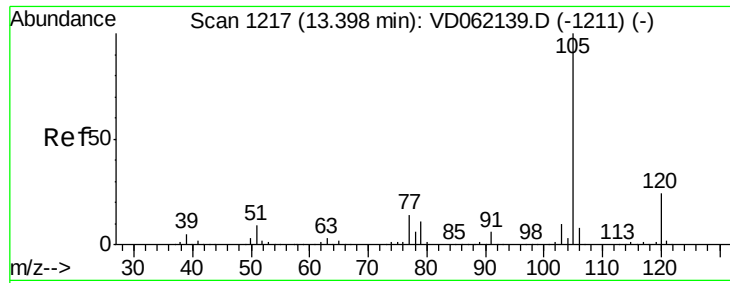


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.483 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.02 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Instrument :

MSVOA_D

ClientSampleId :

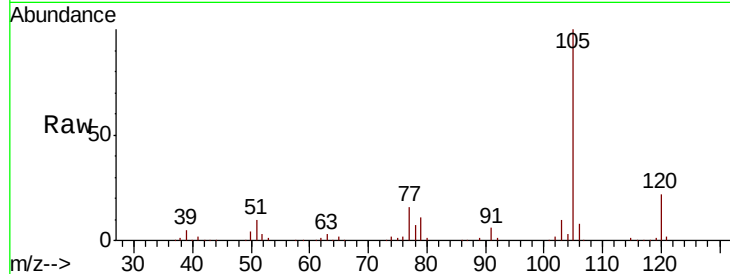
VD0512SBS02

Tot Ion:105 Resp: 440676

Ion Ratio Lower Upper

105 100

120 22.1 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

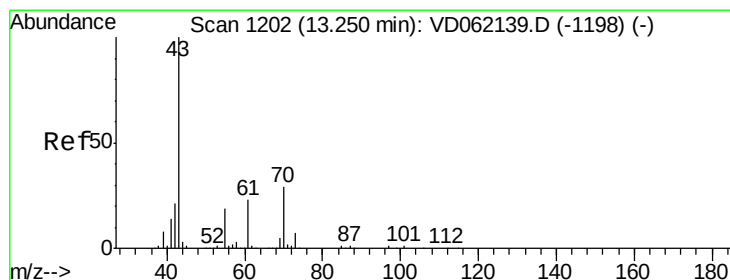
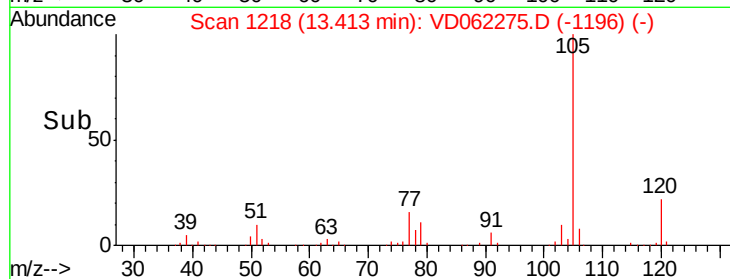
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 20.832 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Tgt Ion: 43 Resp: 130226

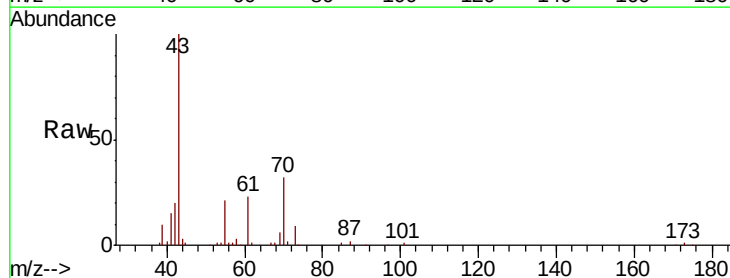
Ion Ratio Lower Upper

43 100

70 31.6 24.2 36.4

55 21.2 16.0 24.0

61 22.8 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

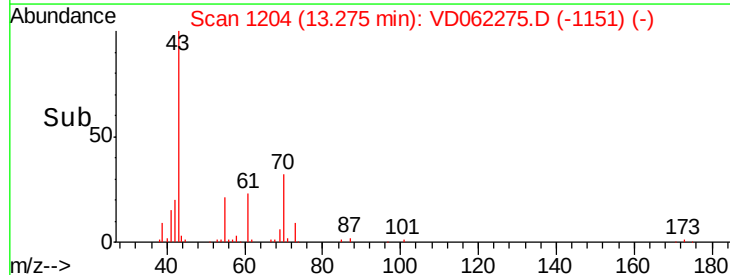
13.28

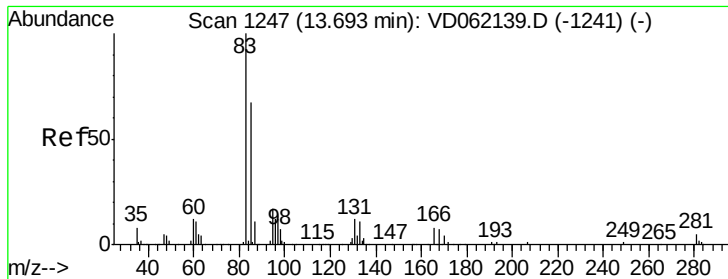
100000

50000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 20.386 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.02 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBS02

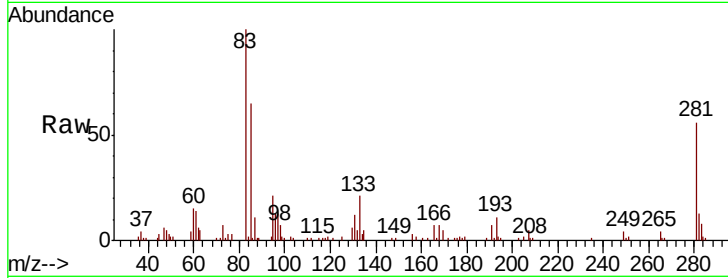
Tot Ion: 83 Resp: 92019

Ion Ratio Lower Upper

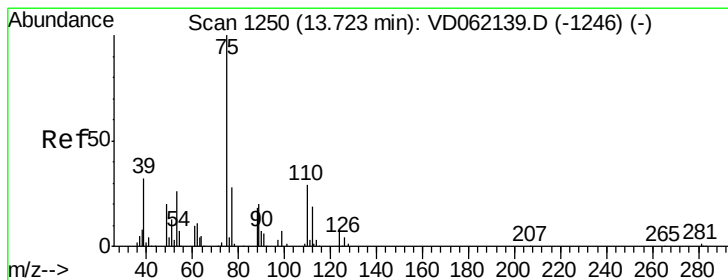
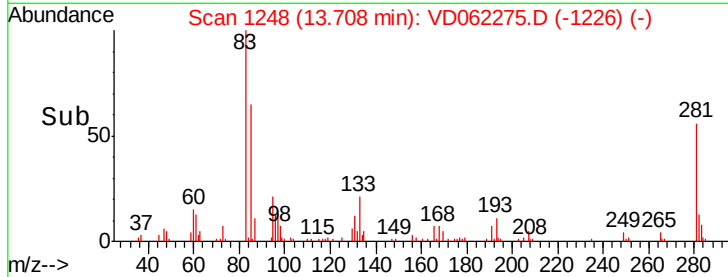
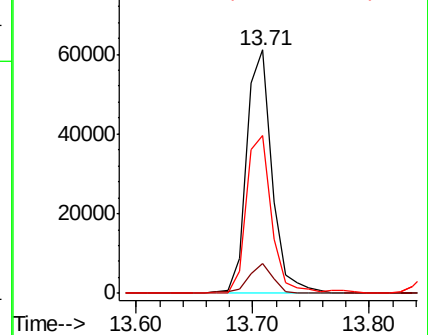
83 100

131 12.2 5.0 14.9

85 64.6 32.6 97.7



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



#76

1,2,3-Trichloropropane

Concen: 21.349 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.02 min

Lab File: VD062275.D

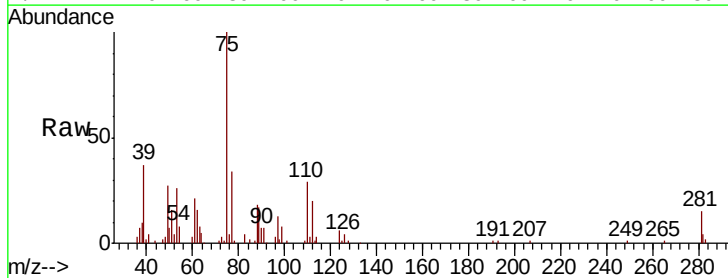
Acq: 13 May 2019 00:04

Tgt Ion: 75 Resp: 100916

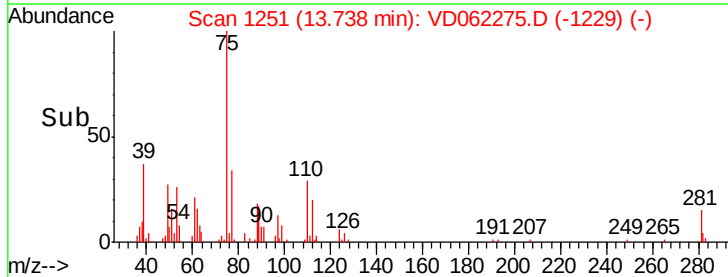
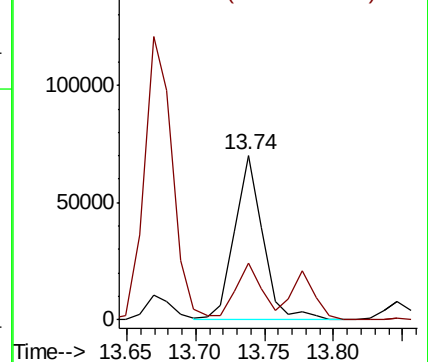
Ion Ratio Lower Upper

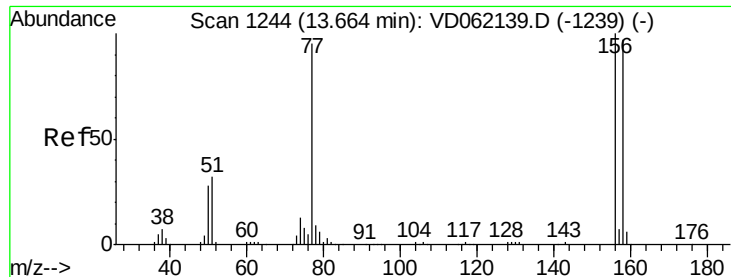
75 100

77 34.2 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: 20.909 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBS02

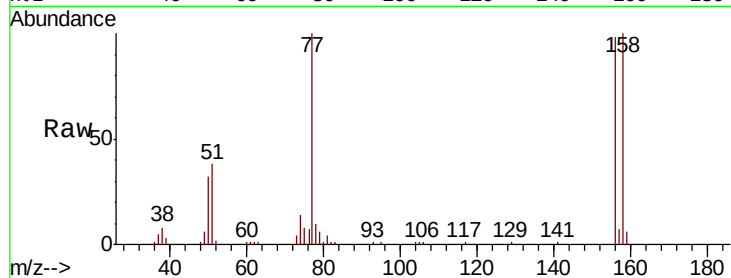
Tot Ion:156 Resp: 139559

Ion Ratio Lower Upper

156 100

77 101.3 53.1 159.4

158 101.8 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

150000

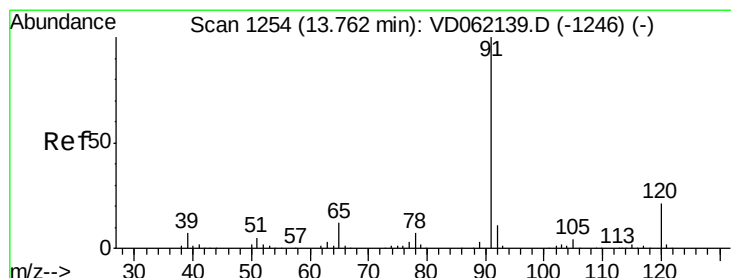
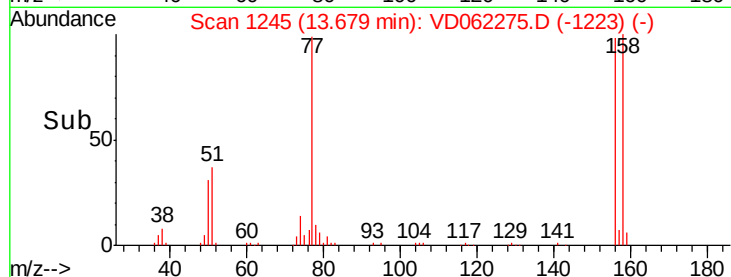
100000

50000

0

13.60 13.65 13.70 13.75

Time-->



#78

n-propylbenzene

Concen: 20.148 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.02 min

Lab File: VD062275.D

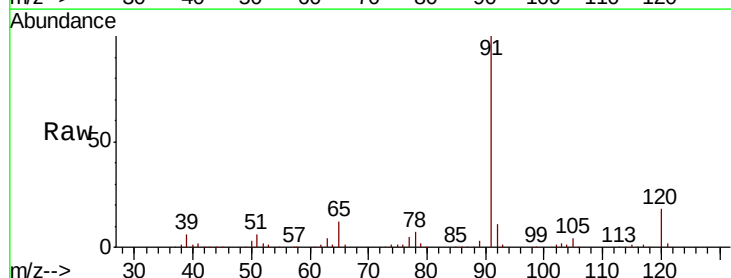
Acq: 13 May 2019 00:04

Tgt Ion: 91 Resp: 573035

Ion Ratio Lower Upper

91 100

120 18.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

500000

400000

300000

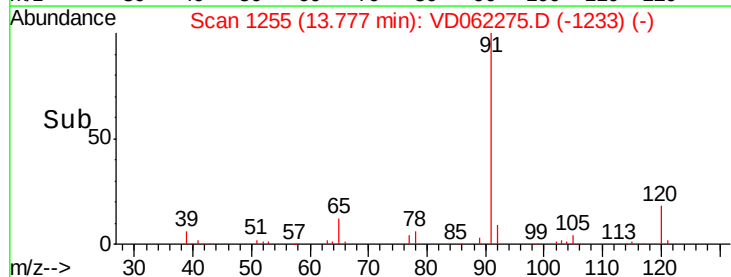
200000

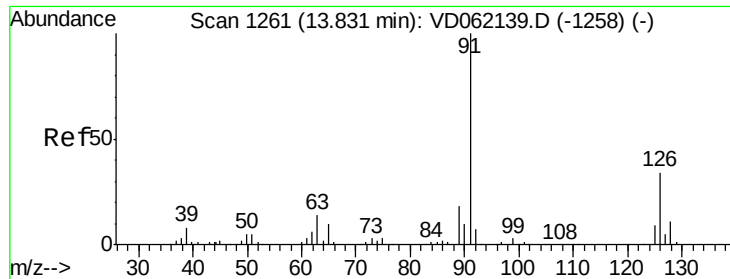
100000

0

13.70 13.75 13.80 13.85

Time-->





#79

2-Chlorotoluene

Concen: 21.113 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.02 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Instrument :

MSVOA_D

ClientSampleId :

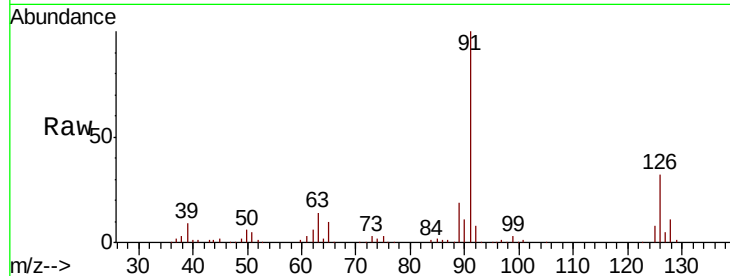
VD0512SBS02

Tot Ion: 91 Resp: 343906

Ion Ratio Lower Upper

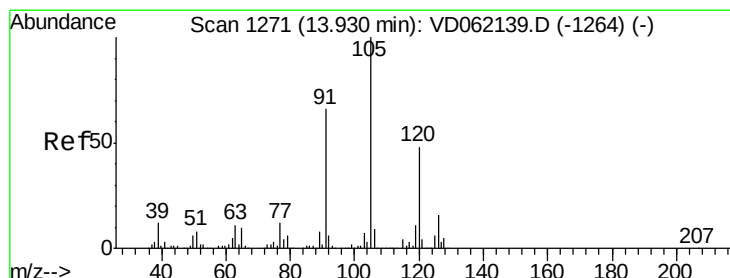
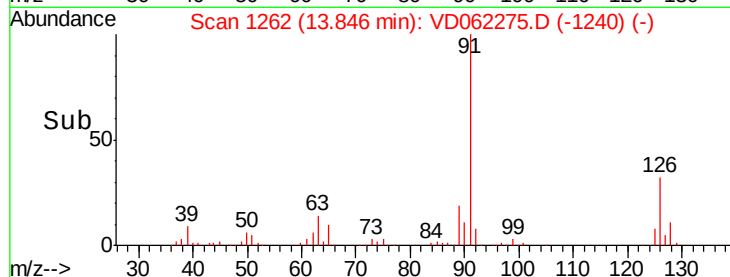
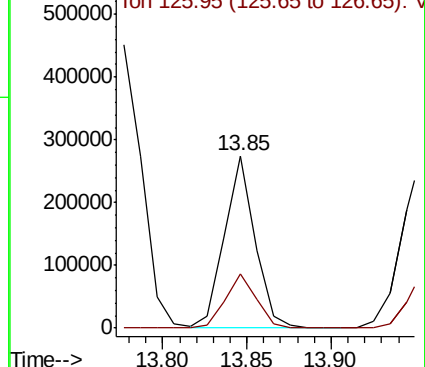
91 100

126 31.5 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 18.639 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD062275.D

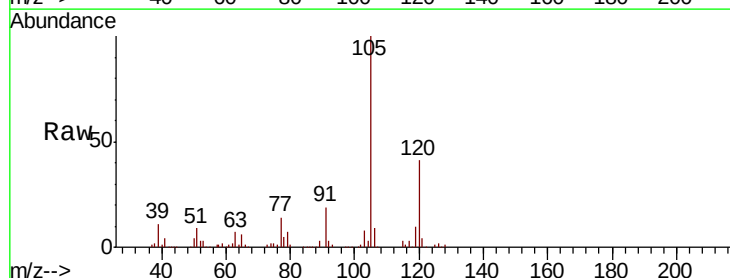
Acq: 13 May 2019 00:04

Tgt Ion:105 Resp: 374226

Ion Ratio Lower Upper

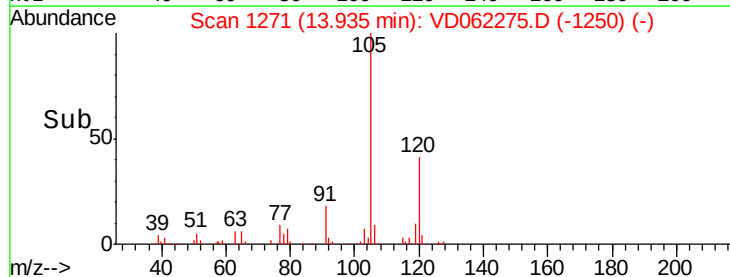
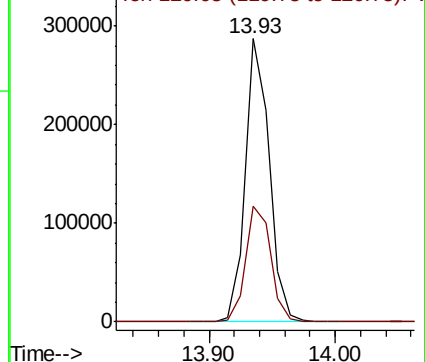
105 100

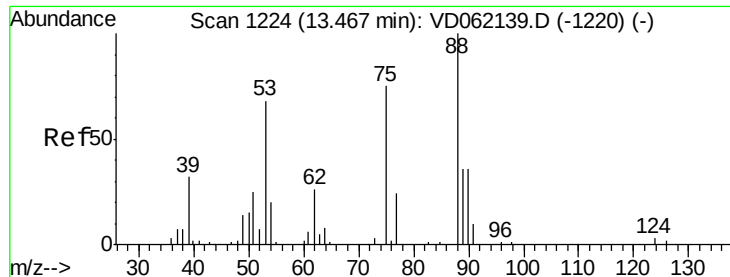
120 40.8 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.253 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.02 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBS02

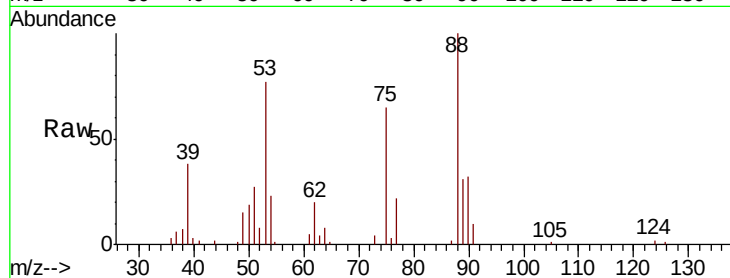
Tot Ion: 75 Resp: 24358

Ion Ratio Lower Upper

75 100

53 117.7 65.8 98.8#

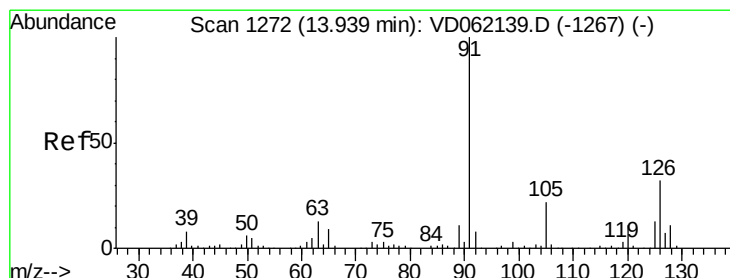
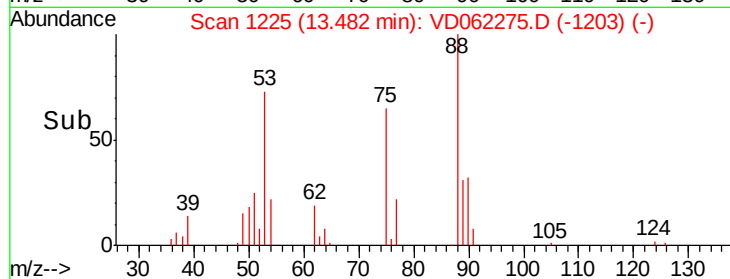
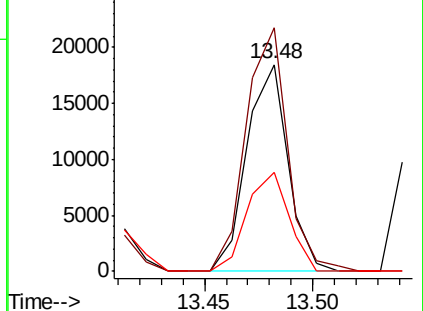
89 47.7 35.0 52.6



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: 20.396 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.02 min

Lab File: VD062275.D

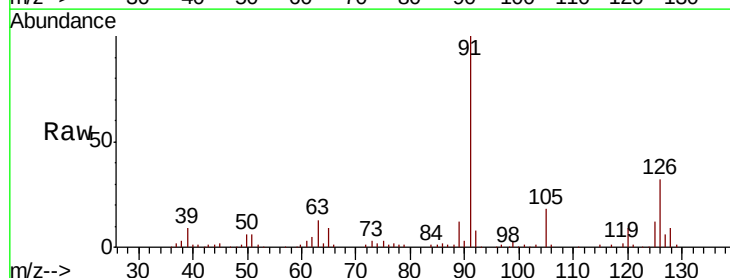
Acq: 13 May 2019 00:04

Tgt Ion: 91 Resp: 390949

Ion Ratio Lower Upper

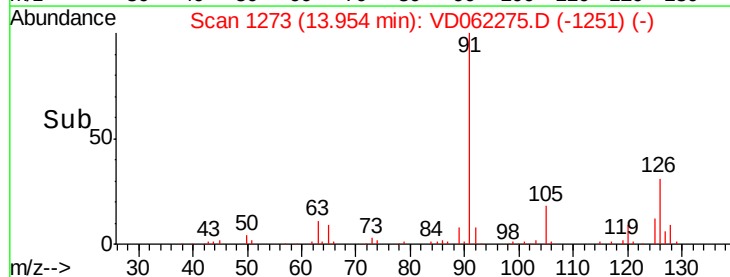
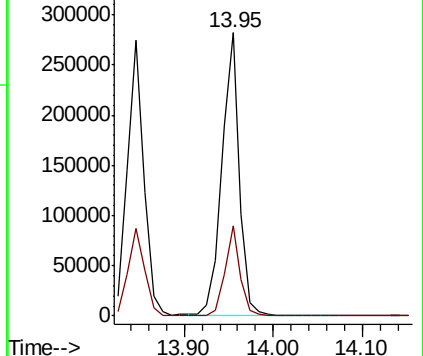
91 100

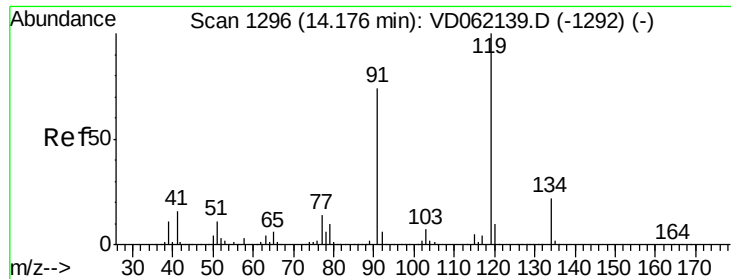
126 31.9 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

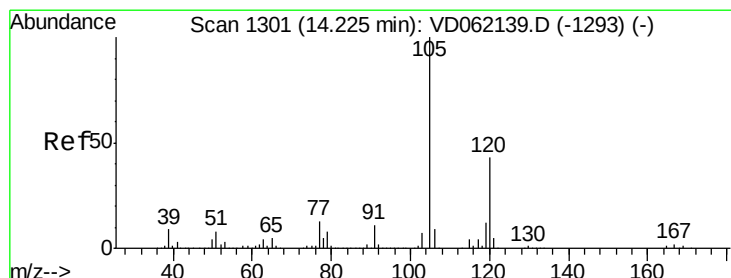
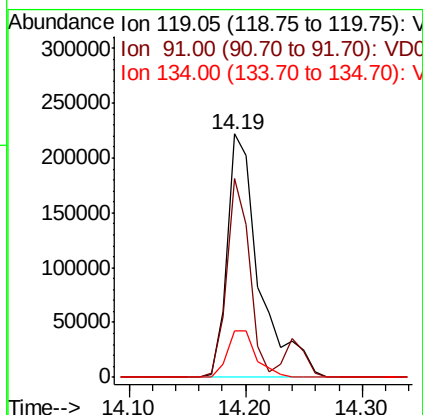
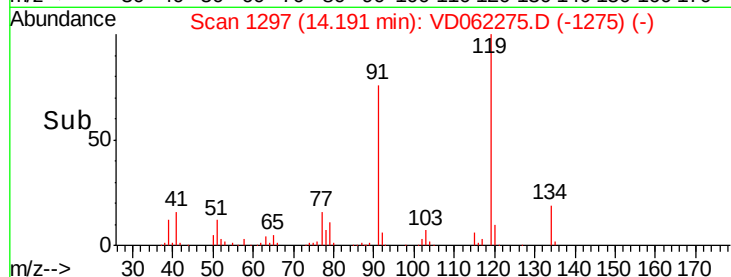
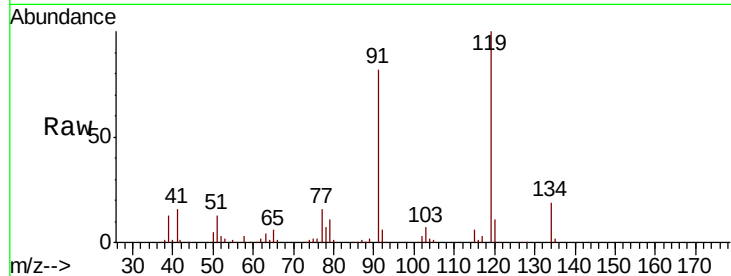




#83
tert-Butylbenzene
Concen: 18.843 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.02 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

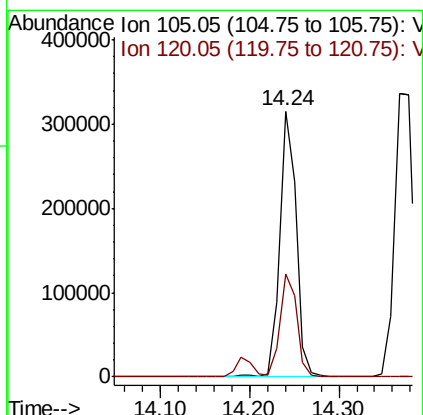
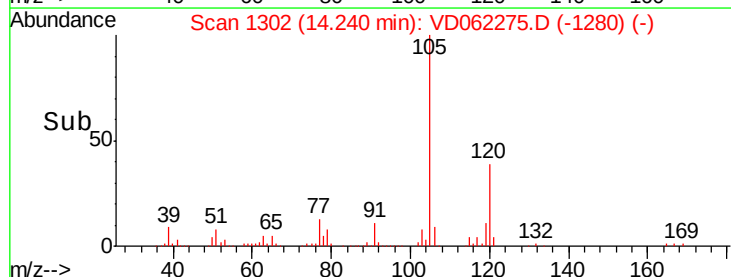
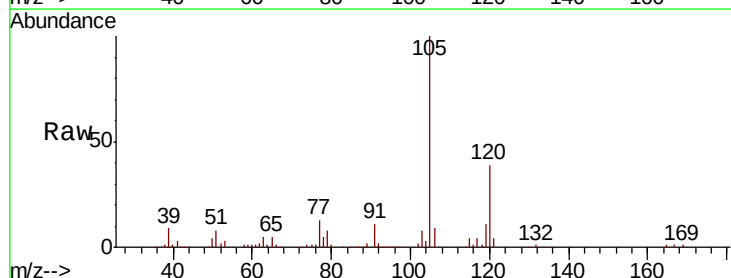
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBS02

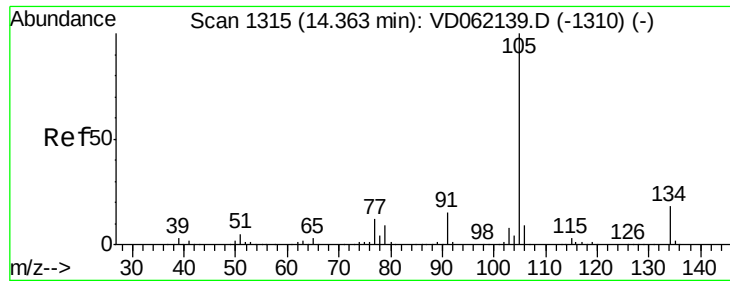
Tot Ion:119 Resp: 425241
Ion Ratio Lower Upper
119 100
91 81.8 34.2 102.6
134 19.3 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 20.172 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.02 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

Tgt Ion:105 Resp: 406428
Ion Ratio Lower Upper
105 100
120 38.6 23.1 69.2





#85

sec-Butylbenzene

Concen: 20.051 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Instrument :

MSVOA_D

ClientSampleId :

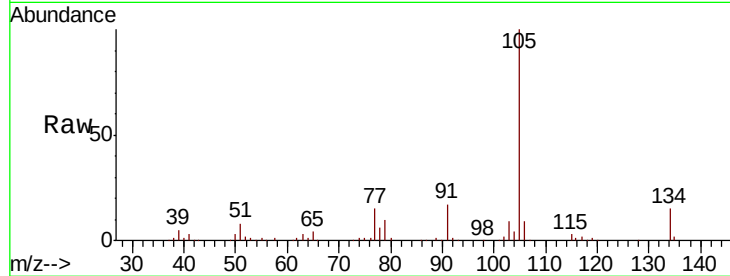
VD0512SBS02

Tot Ion:105 Resp: 496129

Ion Ratio Lower Upper

105 100

134 15.0 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.37

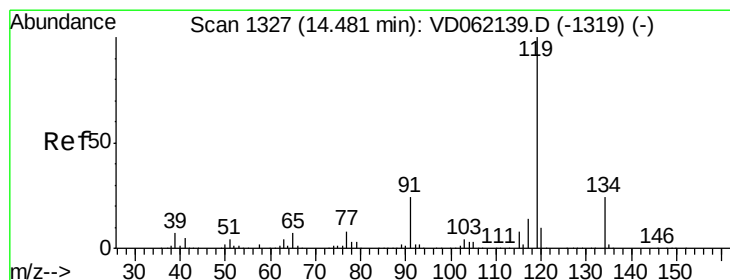
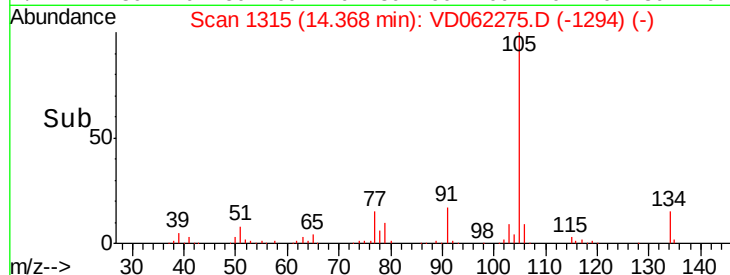
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.756 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.02 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

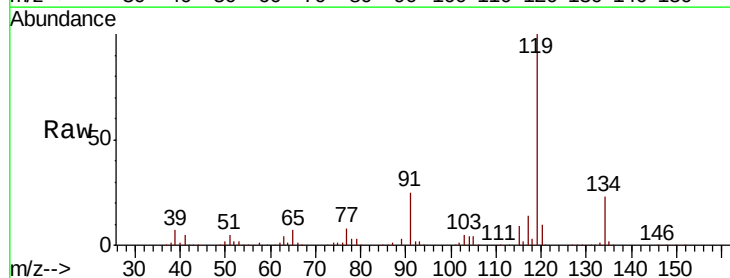
Tgt Ion:119 Resp: 436720

Ion Ratio Lower Upper

119 100

134 22.7 12.8 38.3

91 25.4 10.7 32.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

14.50

500000

400000

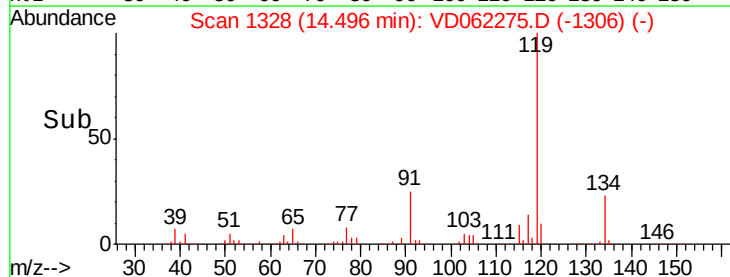
300000

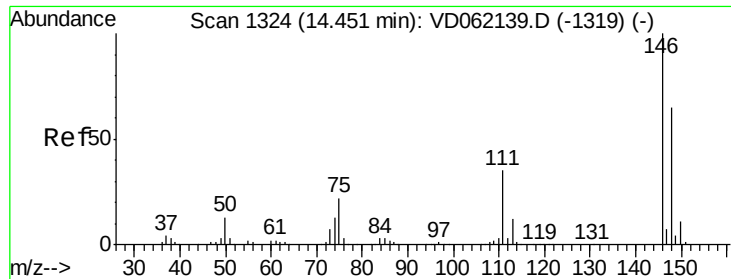
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.965 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBS02

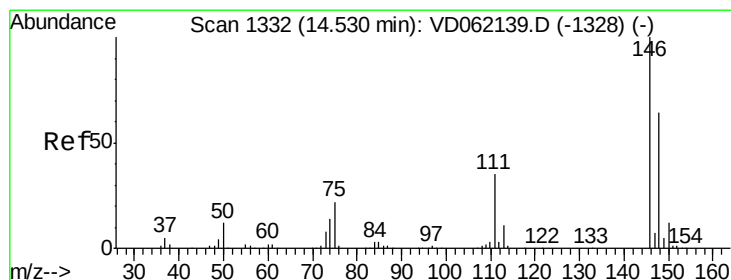
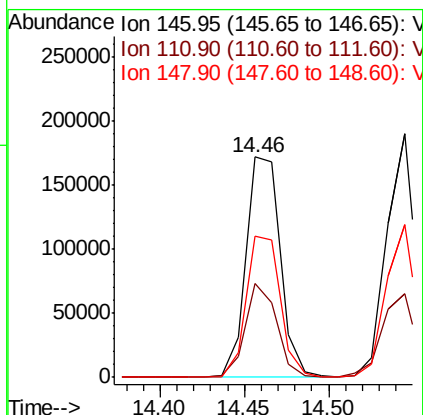
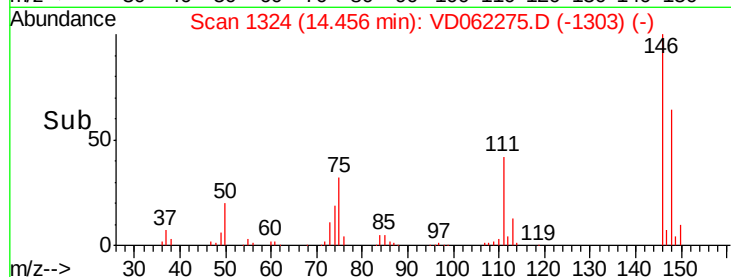
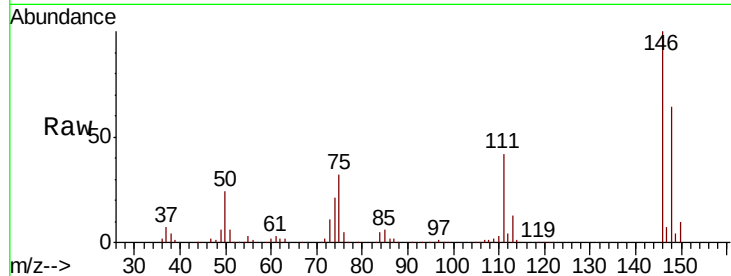
Tot Ion:146 Resp: 243430

Ion Ratio Lower Upper

146 100

111 42.3 20.0 60.0

148 64.4 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 19.351 ug/l

RT: 14.54 min Scan# 1333

Delta R.T. 0.02 min

Lab File: VD062275.D

Acq: 13 May 2019 00:04

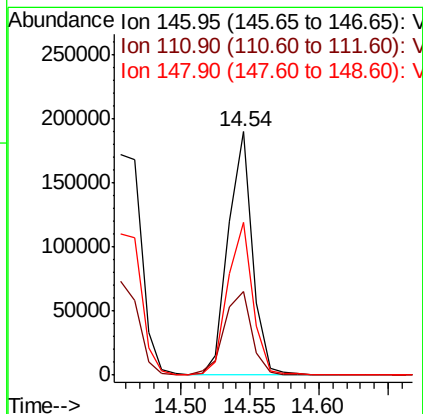
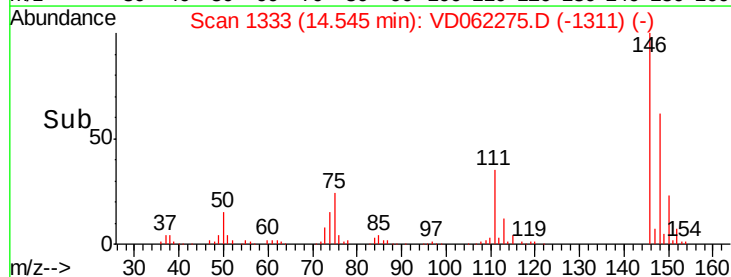
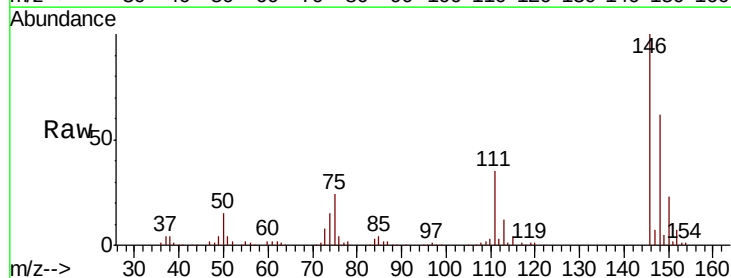
Tgt Ion:146 Resp: 231823

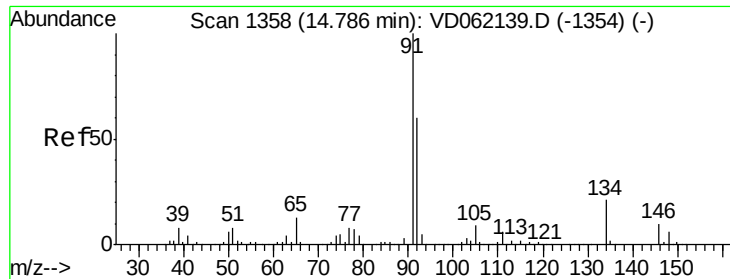
Ion Ratio Lower Upper

146 100

111 34.5 20.2 60.5

148 62.5 32.0 96.2

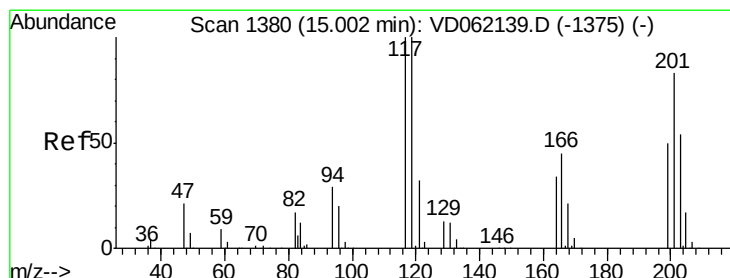
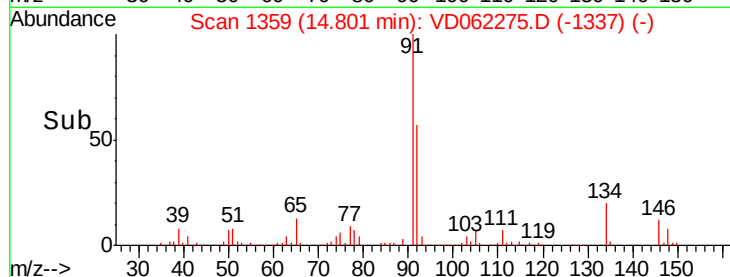
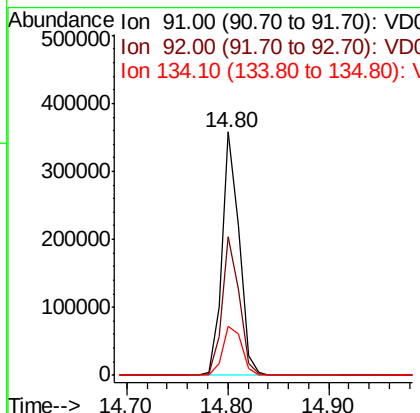
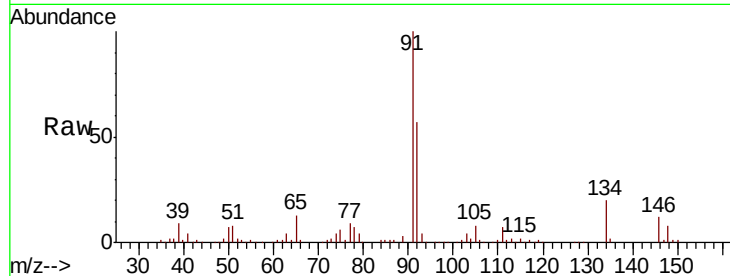




#89
n-Butylbenzene
Concen: 21.460 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.02 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

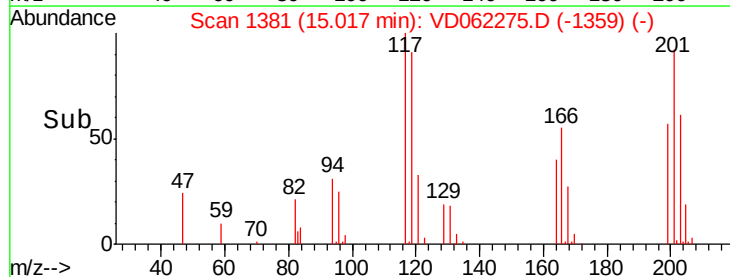
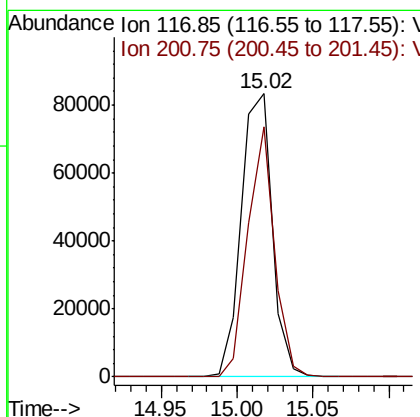
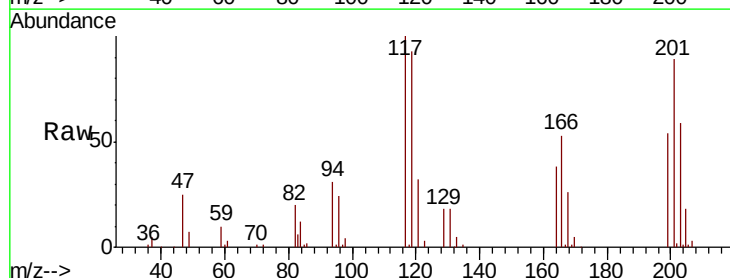
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBS02

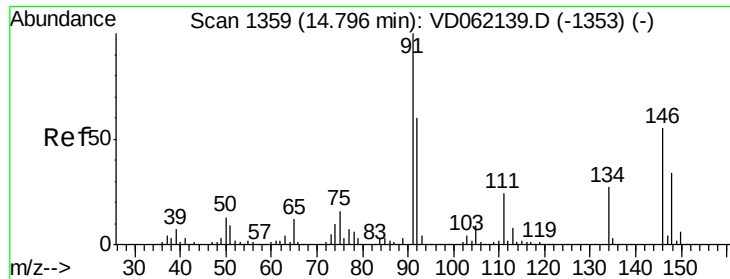
Tot Ion: 91 Resp: 425811
Ion Ratio Lower Upper
91 100
92 57.1 30.3 91.0
134 20.1 14.5 43.6



#90
Hexachloroethane
Concen: 19.693 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.02 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

Tgt Ion: 117 Resp: 118389
Ion Ratio Lower Upper
117 100
201 88.5 30.2 90.6

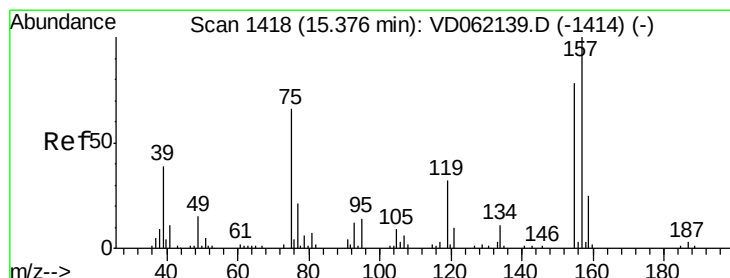
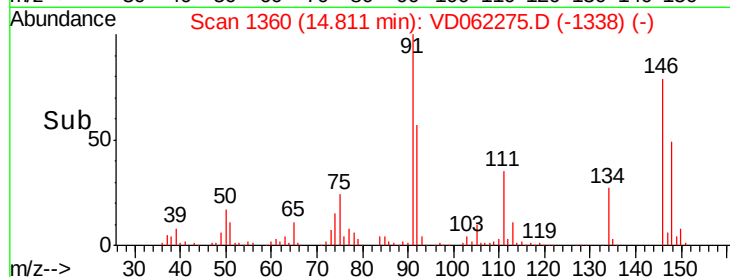
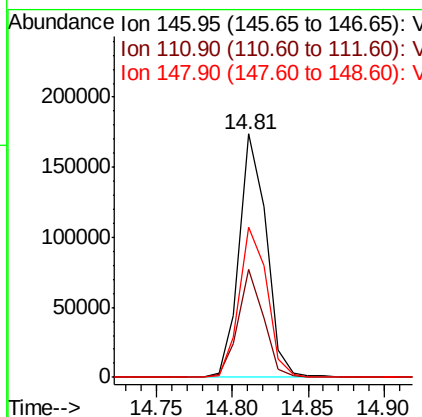
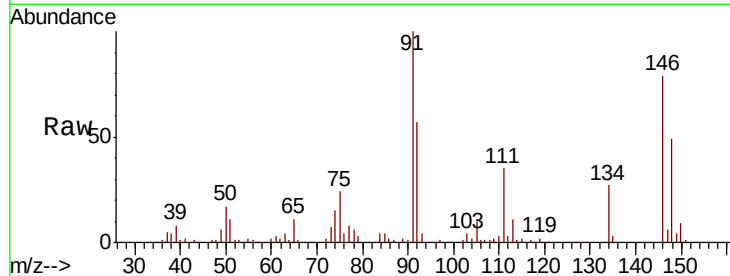




#91
 1,2-Dichlorobenzene
 Concen: 21.610 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.02 min
 Lab File: VD062275.D
 Acq: 13 May 2019 00:04

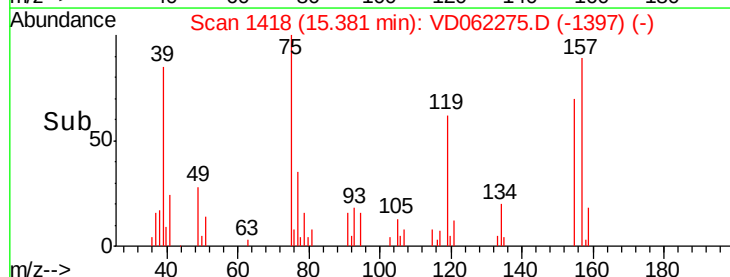
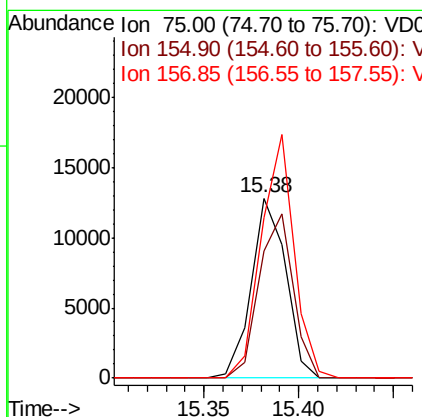
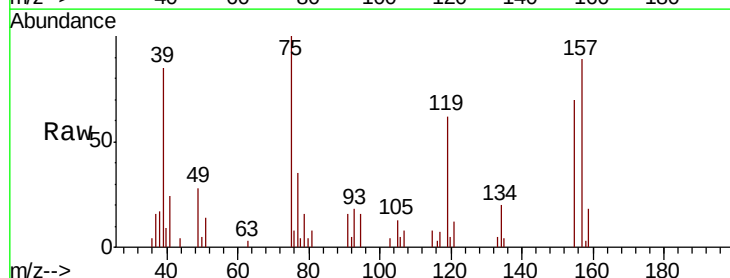
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBS02

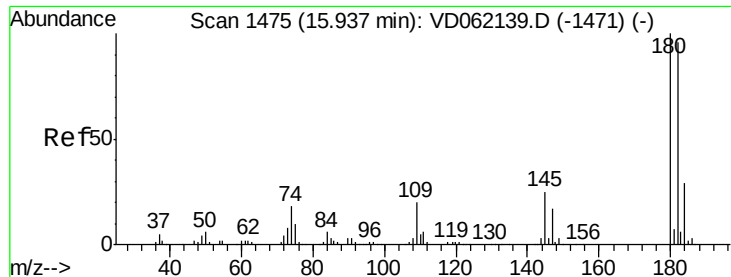
Tot Ion:146 Resp: 216996
 Ion Ratio Lower Upper
 146 100
 111 44.1 20.0 59.9
 148 61.9 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.890 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062275.D
 Acq: 13 May 2019 00:04

Tgt Ion: 75 Resp: 16219
 Ion Ratio Lower Upper
 75 100
 155 70.4 55.3 165.8
 157 89.1 67.8 203.2

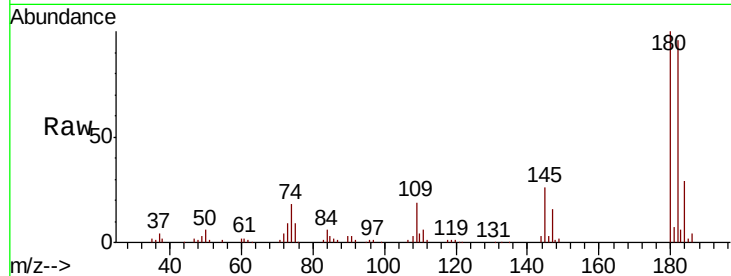




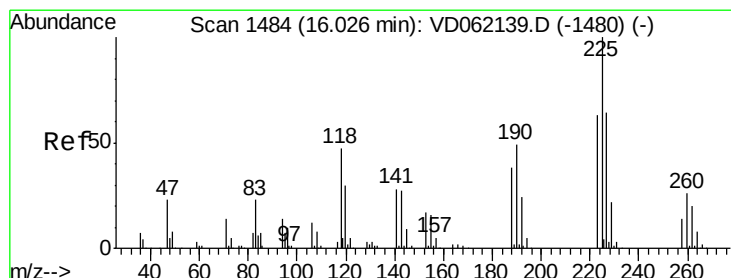
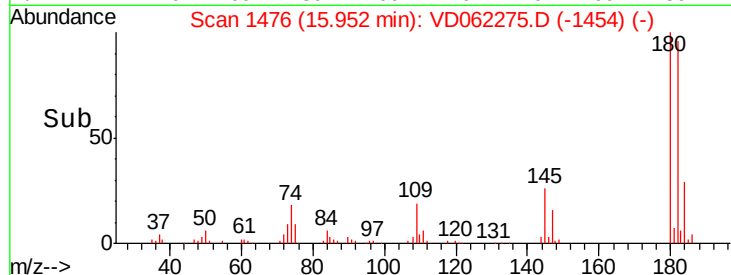
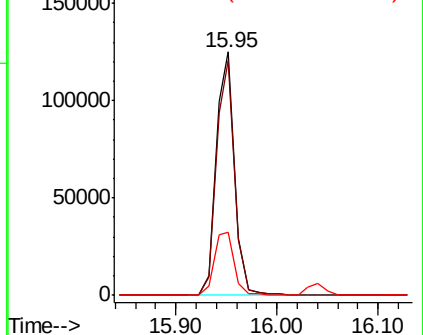
#93
 1,2,4-Trichlorobenzene
 Concen: 21.873 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.02 min
 Lab File: VD062275.D
 Acq: 13 May 2019 00:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	49.3	147.8
145	26.1	16.2	48.6

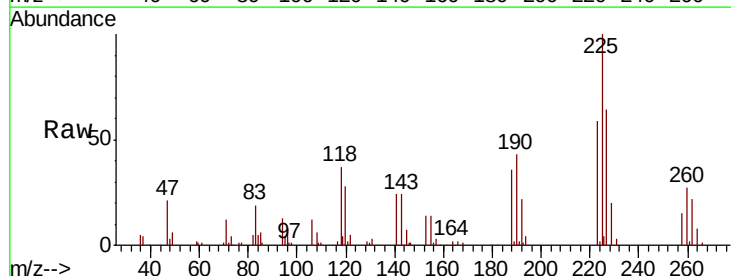


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

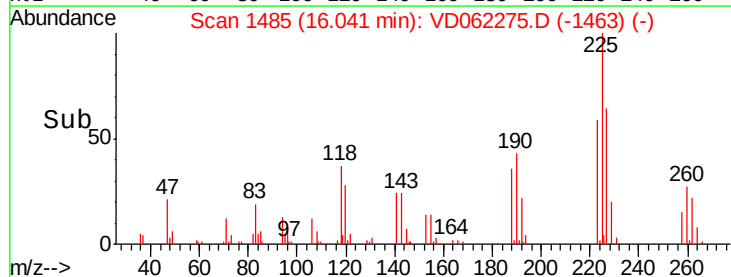
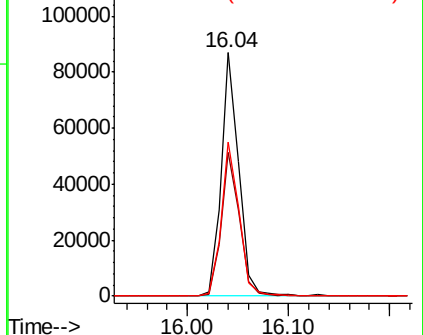


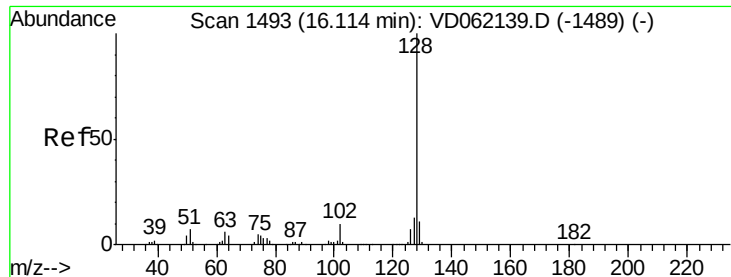
#94
 Hexachlorobutadiene
 Concen: 19.478 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.02 min
 Lab File: VD062275.D
 Acq: 13 May 2019 00:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.2	30.6	92.0
227	63.5	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

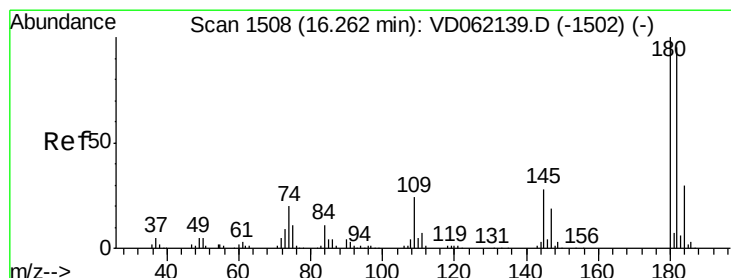
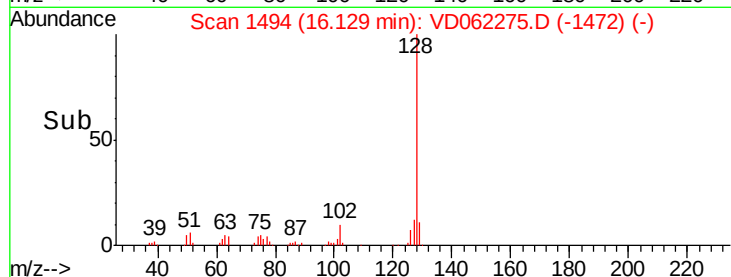
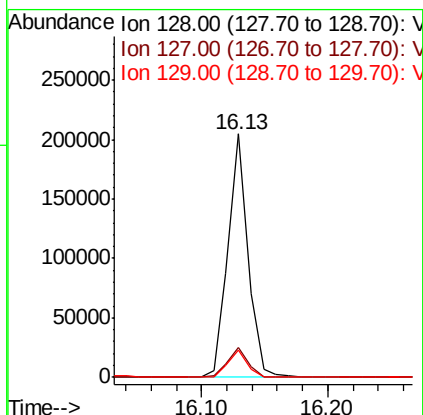
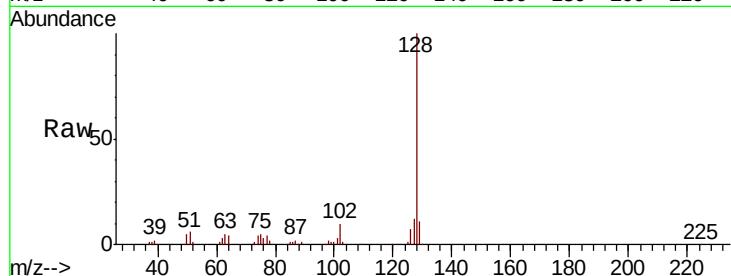




#95
Naphthalene
Concen: 22.140 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.02 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0512SBS02

Tot Ion:128 Resp: 225917
Ion Ratio Lower Upper
128 100
127 12.1 9.8 14.8
129 11.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 24.206 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.02 min
Lab File: VD062275.D
Acq: 13 May 2019 00:04

Tgt Ion:180 Resp: 111234
Ion Ratio Lower Upper
180 100
182 102.4 47.0 141.0
145 28.1 17.0 51.0

