

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060319\
 Data File : VD062591.D
 Acq On : 3 Jun 2019 17:45
 Operator : VA/AP
 Sample : K3165-03RE
 Misc : 1.02g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 04 05:52:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	270433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	434058	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	208990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	77899	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	221178	69.75	ug/l	0.00
Spiked Amount			Recovery	=	139.50%	
35) Dibromofluoromethane	6.93	113	228535	57.78	ug/l	0.00
Spiked Amount			Recovery	=	115.56%	
50) Toluene-d8	10.41	98	218152	25.17	ug/l	0.00
Spiked Amount			Recovery	=	50.34%	
62) 4-Bromofluorobenzene	13.55	95	85521	21.88	ug/l	0.00
Spiked Amount			Recovery	=	43.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.75	50	1533	Below Cal	#	43
5) Bromomethane	2.17	94	2753	3.538	ug/l #	12
11) Tert butyl alcohol	3.99	59	609	4.503	ug/l #	80
13) Acrolein	3.01	56	242	4.107	ug/l #	10
16) Acetone	3.22	43	1063046	1706.280	ug/l	94
17) Carbon Disulfide	3.38	76	13930	2.026	ug/l #	94
18) Methyl Acetate	3.63	43	1040	1.023	ug/l #	63
20) Methylene Chloride	3.82	84	14510	6.292	ug/l	92
25) 2-Butanone	6.08	43	1643	2.800	ug/l #	62
29) Tetrahydrofuran	6.14	42	423	1.609	ug/l #	33
31) Cyclohexane	7.05	56	5905	2.005	ug/l #	17
36) 1,1-Dichloropropene	7.04	75	23331	5.400	ug/l #	48
37) Ethyl Acetate	6.18	43	1871	1.027	ug/l #	25
38) Carbon Tetrachloride	7.05	117	30906	4.804	ug/l #	19
51) 4-Methyl-2-Pentanone	10.29	43	2357	1.490	ug/l #	42
52) Toluene	10.51	92	1011038	174.799	ug/l	100
67) Ethyl Benzene	12.52	91	49443	6.628	ug/l	96
68) m/p-Xylenes	12.67	106	130641	50.628	ug/l	99
69) o-Xylene	13.05	106	84346	34.265	ug/l	88
70) Styrene	13.05	104	5320	1.273	ug/l #	1
73) Isopropylbenzene	13.41	105	18983	3.696	ug/l	89
74) N-amyl acetate	13.33	43	20097	15.348	ug/l #	31
75) 1,1,2,2-Tetrachloroethane	13.71	83	4952	6.080	ug/l #	69
76) 1,2,3-Trichloropropane	13.85	75	5415	5.794	ug/l #	1
78) n-propylbenzene	13.77	91	97854	16.531	ug/l	99
79) 2-Chlorotoluene	13.85	91	69161	20.150	ug/l #	41
80) 1,3,5-Trimethylbenzene	13.94	105	190973	43.518	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.55	75	39471	147.395	ug/l #	10
82) 4-Chlorotoluene	13.94	91	22804	5.550	ug/l #	41
83) tert-Butylbenzene	14.24	119	94904	19.381	ug/l #	71
84) 1,2,4-Trimethylbenzene	14.24	105	917496	205.180	ug/l	99
85) sec-Butylbenzene	14.37	105	68099	13.128	ug/l	93
86) p-Isopropyltoluene	14.49	119	53582	11.056	ug/l	96
89) n-Butylbenzene	14.80	91	277123	64.057	ug/l	97

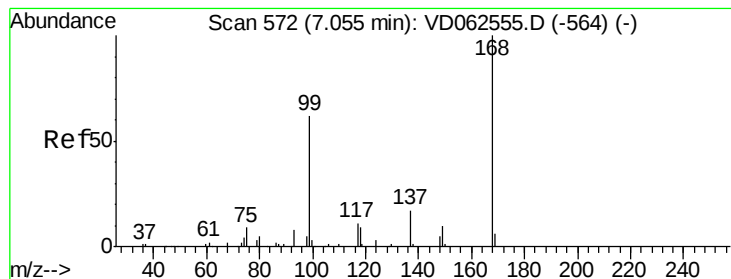
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060319\
Data File : VD062591.D
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 02:08:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	15.06	117	53159	41.345	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	15.37	75	10260	60.751	ug/l #	18
93) 1,2,4-Trichlorobenzene	15.94	180	30411	18.523	ug/l #	48
95) Naphthalene	16.12	128	317363	141.938	ug/l #	97
96) 1,2,3-Trichlorobenzene	16.30	180	9647	7.866	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

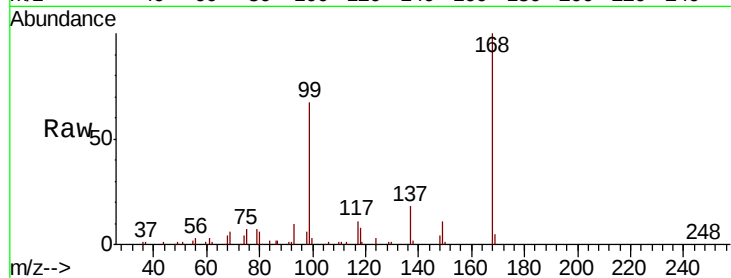
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 270433

Ion Ratio Lower Upper

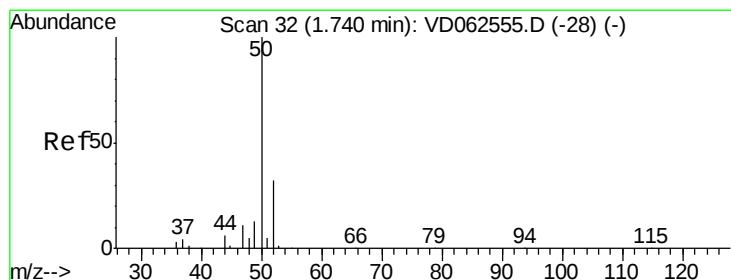
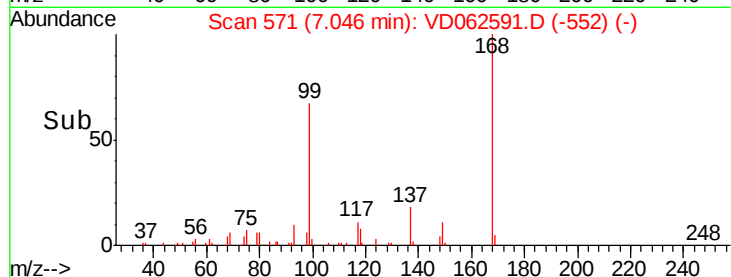
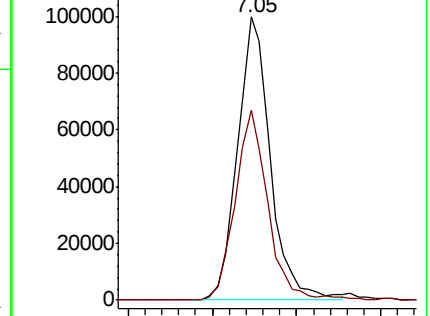
168 100

99 67.1 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: Below Cal

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062591.D

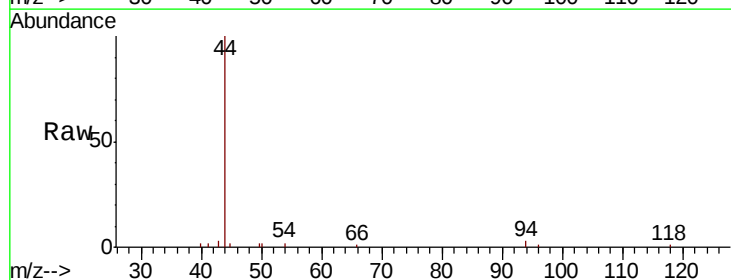
Acq: 3 Jun 2019 17:45

Tgt Ion: 50 Resp: 1533

Ion Ratio Lower Upper

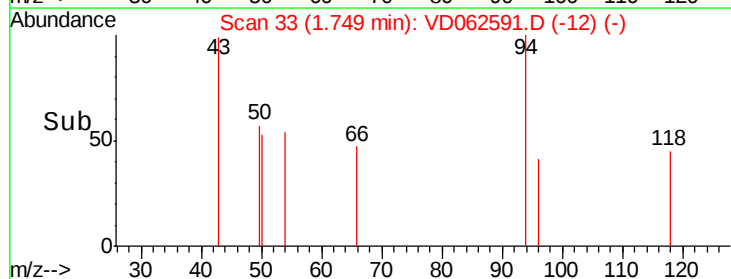
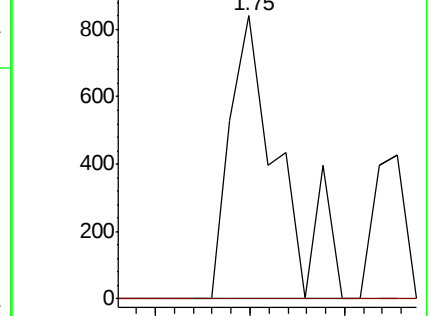
50 100

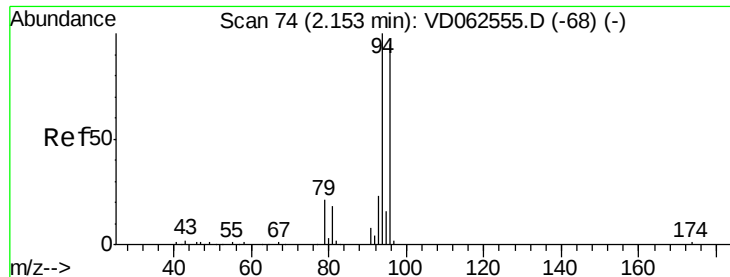
52 0.0 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 3.538 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.02 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

Instrument :

MSVOA_D

ClientSampled :

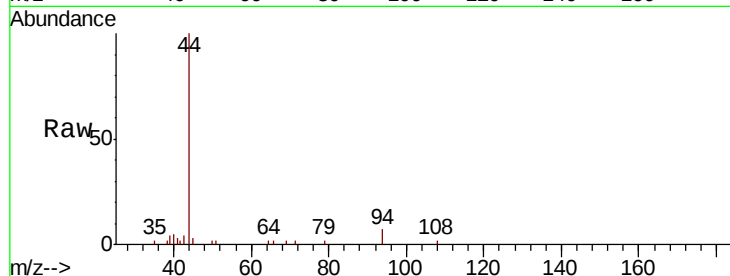
Tot Ion: 94 Resp: 2753

Ion Ratio Lower Upper

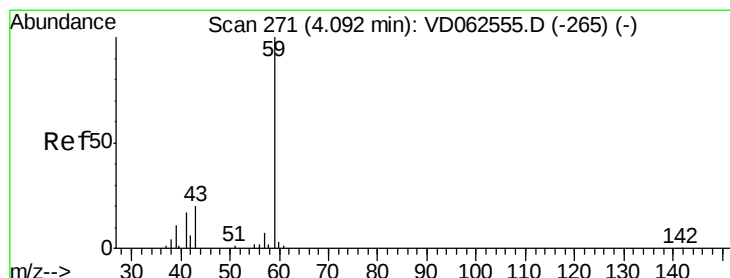
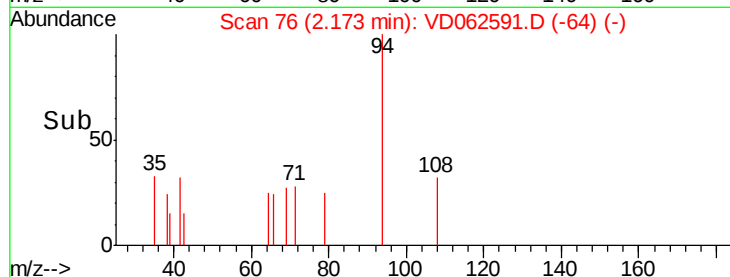
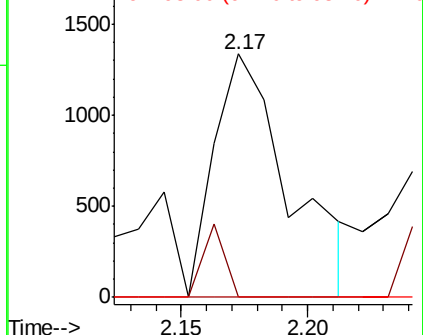
94 100

96 0.0 76.2 114.4#

93 0.0 18.4 27.6#



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



#11

Tert butyl alcohol

Concen: 4.503 ug/l

RT: 3.99 min Scan# 261

Delta R.T. -0.10 min

Lab File: VD062591.D

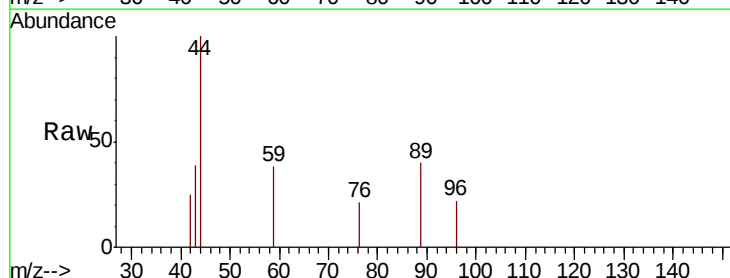
Acq: 3 Jun 2019 17:45

Tgt Ion: 59 Resp: 609

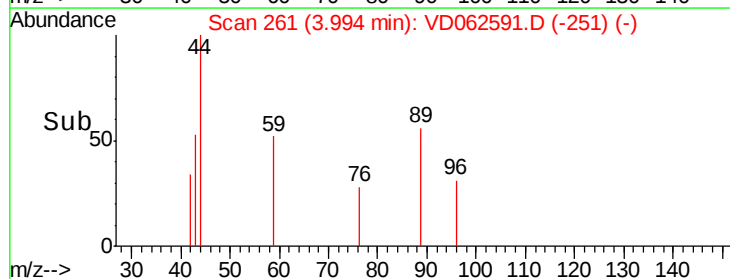
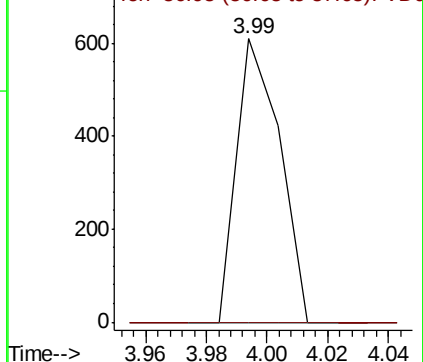
Ion Ratio Lower Upper

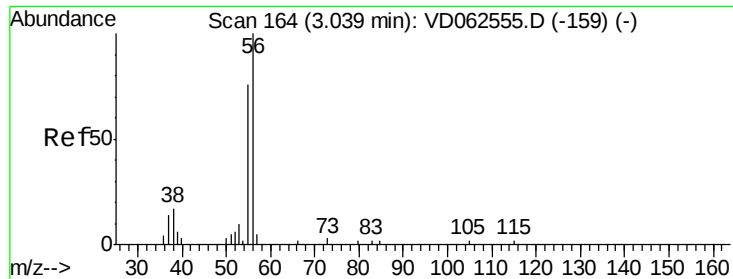
59 100

57 0.0 5.4 8.0#



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





#13

Acrolein

Concen: 4.107 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.03 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

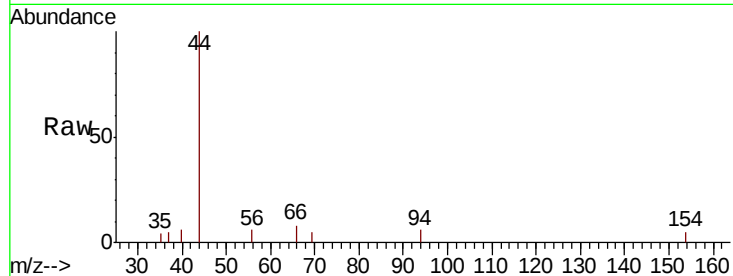
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 242

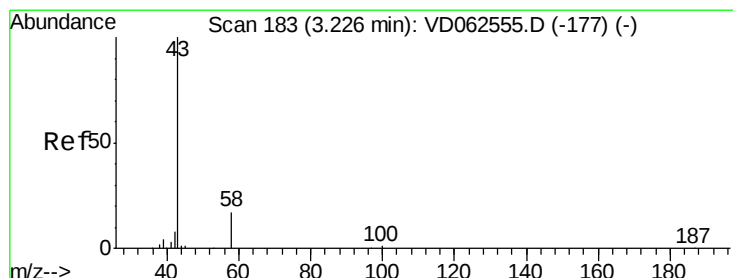
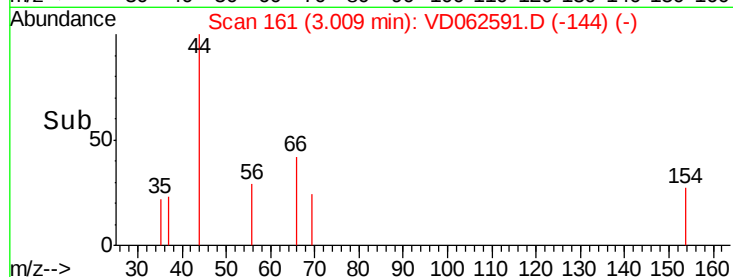
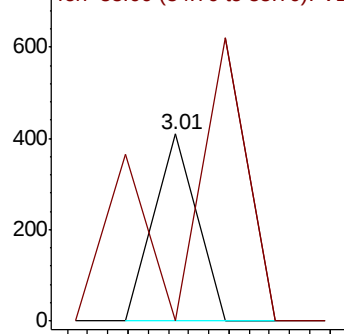
Ion Ratio Lower Upper

56 100

55 0.0 62.6 93.8#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 1706.280 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062591.D

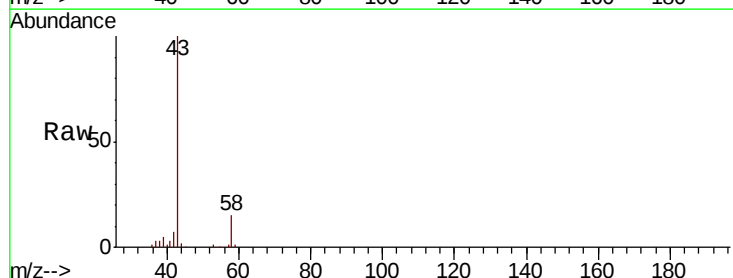
Acq: 3 Jun 2019 17:45

Tgt Ion: 43 Resp: 1063046

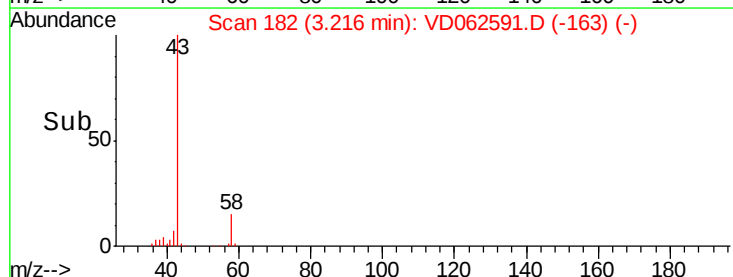
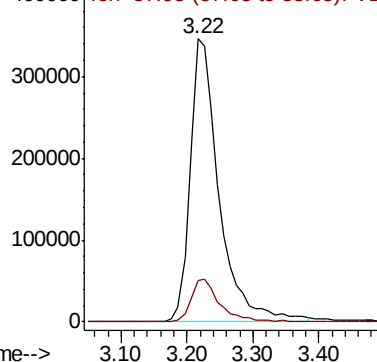
Ion Ratio Lower Upper

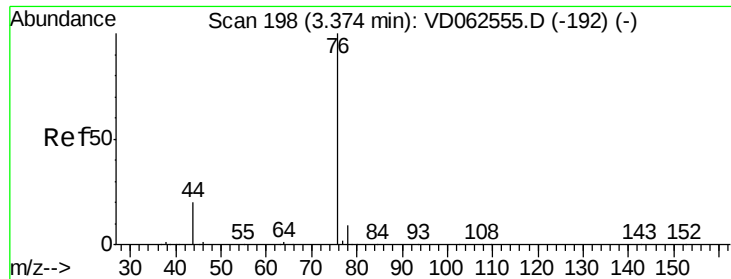
43 100

58 14.7 13.8 20.8



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

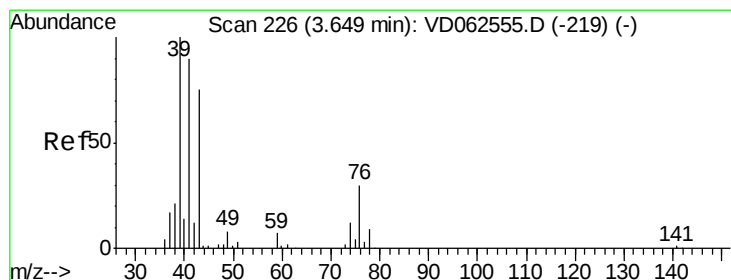
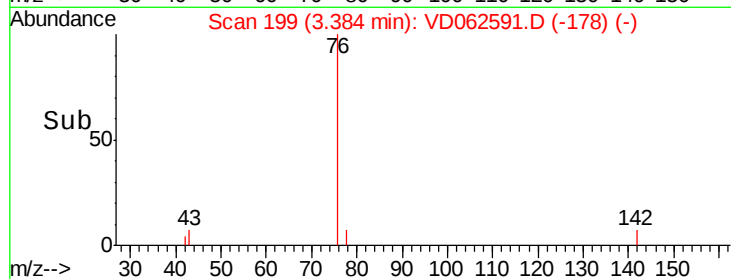
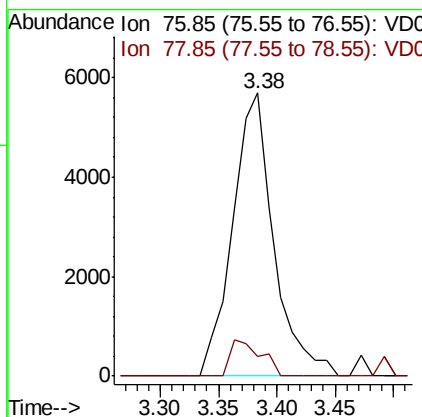
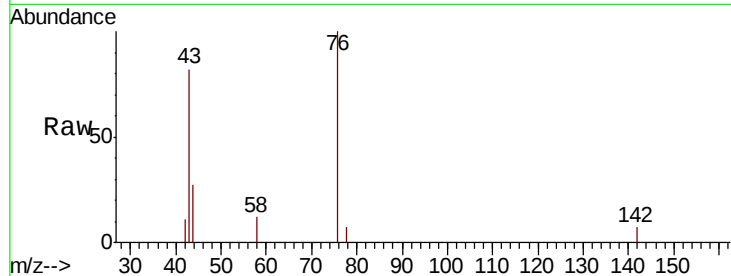




#17
Carbon Disulfide
Concen: 2.026 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.01 min
Lab File: VD062591.D
Acq: 3 Jun 2019 17:45

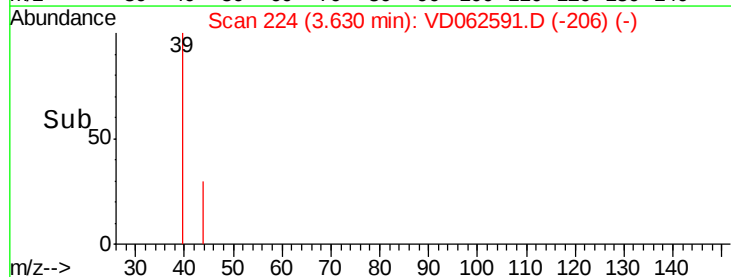
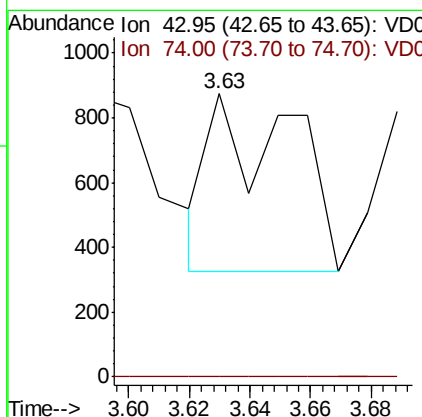
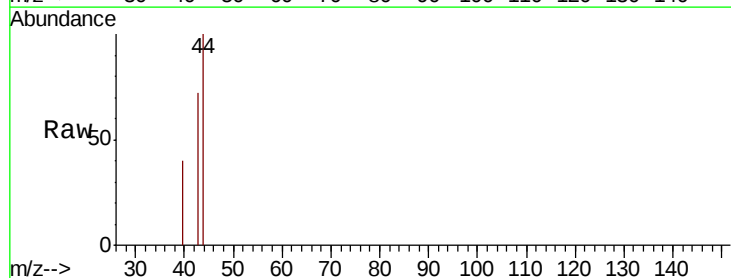
Instrument :
MSVOA_D
ClientSampleId :

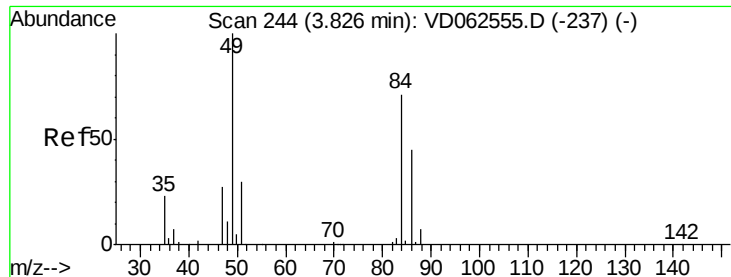
Tot Ion: 76 Resp: 13930
Ion Ratio Lower Upper
76 100
78 7.0 7.4 11.2#



#18
Methyl Acetate
Concen: 1.023 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.02 min
Lab File: VD062591.D
Acq: 3 Jun 2019 17:45

Tgt Ion: 43 Resp: 1040
Ion Ratio Lower Upper
43 100
74 0.0 12.5 18.7#

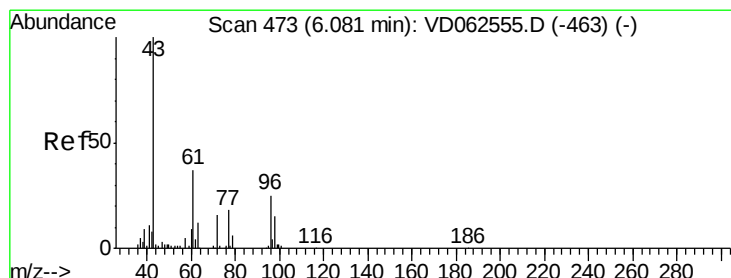
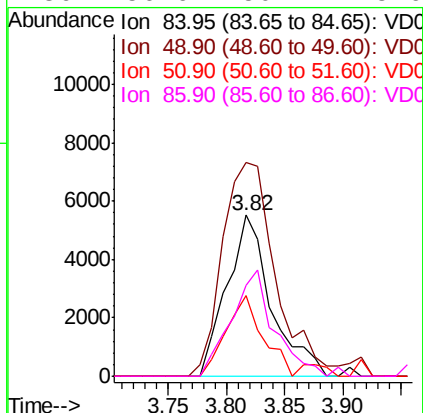
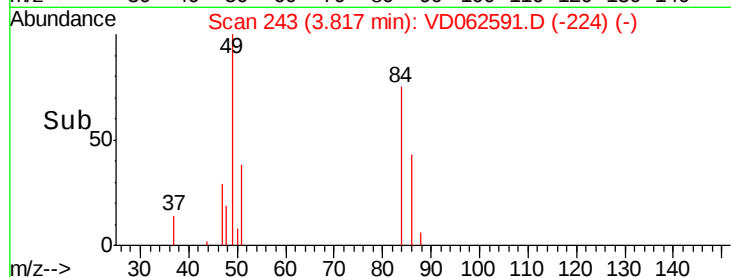
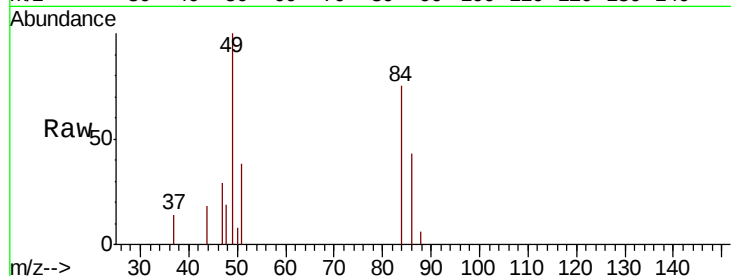




#20
Methylene Chloride
Concen: 6.292 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD062591.D
Acq: 3 Jun 2019 17:45

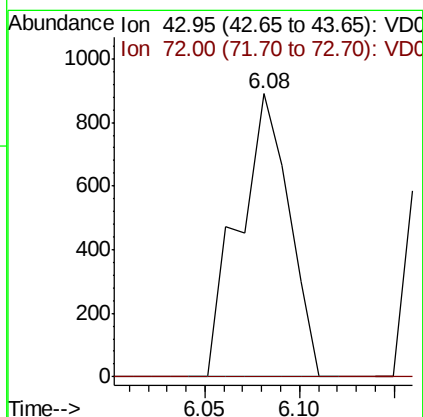
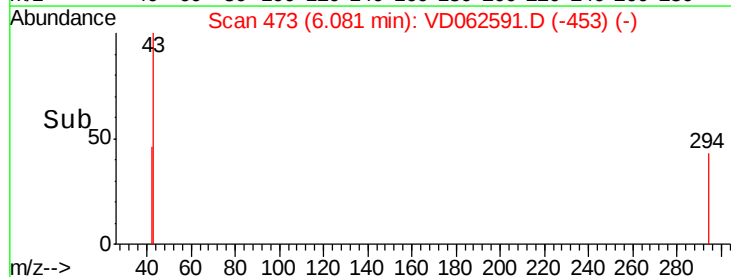
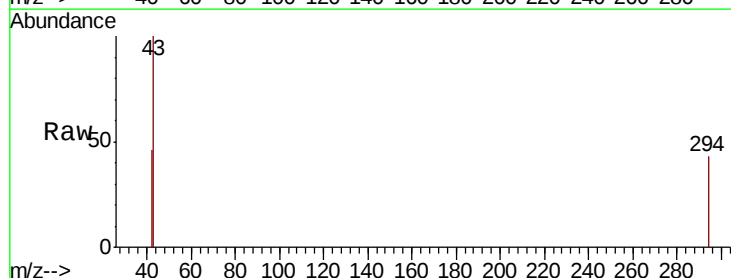
Instrument :
MSVOA_D
ClientSampleID :

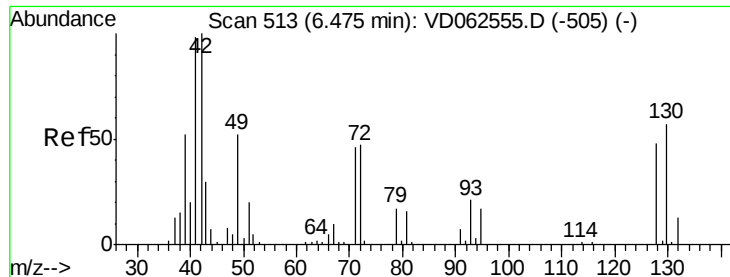
Tot Ion: 84 Resp: 14510
Ion Ratio Lower Upper
84 100
49 132.8 112.3 168.5
51 49.9 33.6 50.4
86 56.6 50.4 75.6



#25
2-Butanone
Concen: 2.800 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.00 min
Lab File: VD062591.D
Acq: 3 Jun 2019 17:45

Tgt Ion: 43 Resp: 1643
Ion Ratio Lower Upper
43 100
72 0.0 12.7 19.1#





#29

Tetrahydrofuran

Concen: 1.609 ug/l

RT: 6.14 min Scan# 479

Delta R.T. -0.33 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

Instrument :

MSVOA_D

ClientSampled :

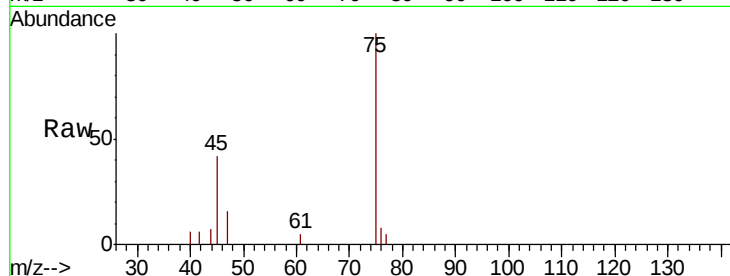
Tot Ion: 42 Resp: 423

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

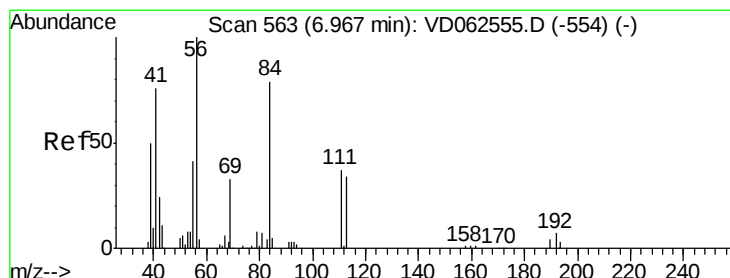
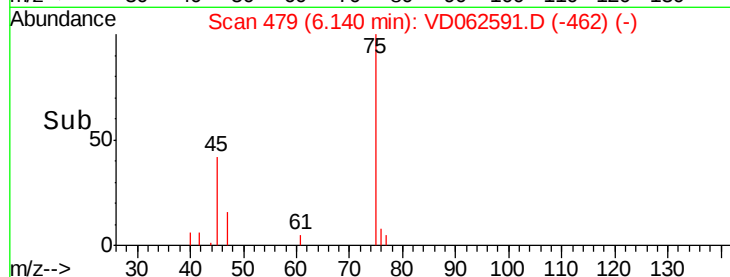
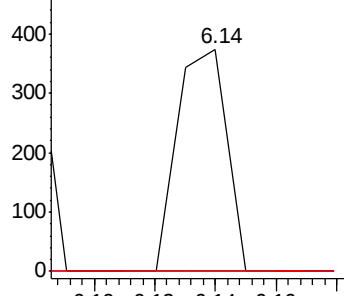
71 0.0 33.0 49.6#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 2.005 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.08 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

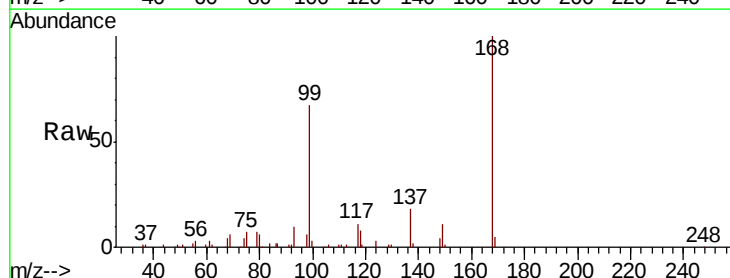
Tgt Ion: 56 Resp: 5905

Ion Ratio Lower Upper

56 100

69 192.9 26.2 39.2#

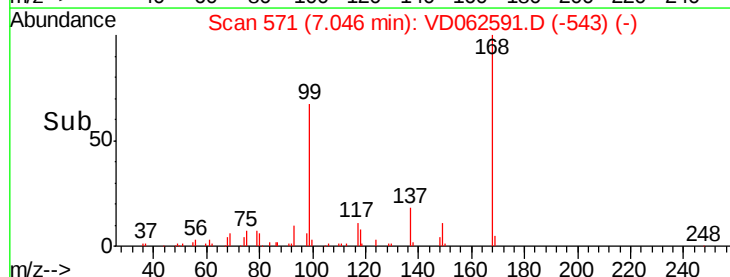
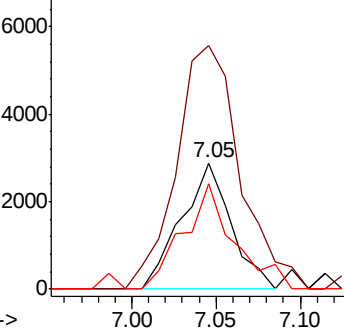
84 83.6 65.2 97.8

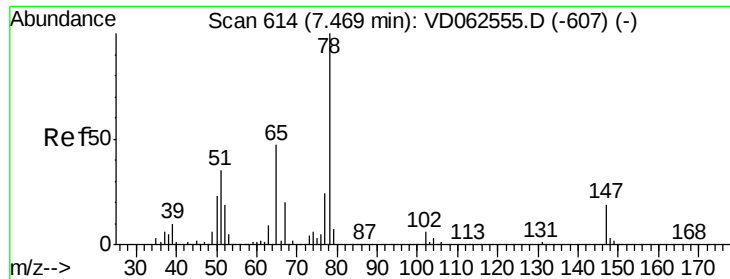


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 69.752 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

Instrument :

MSVOA_D

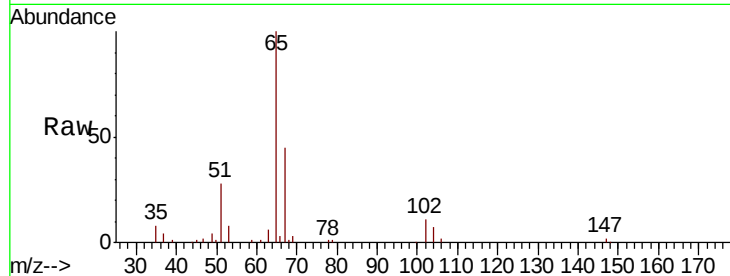
ClientSampleId :

Tot Ion: 65 Resp: 221178

Ion Ratio Lower Upper

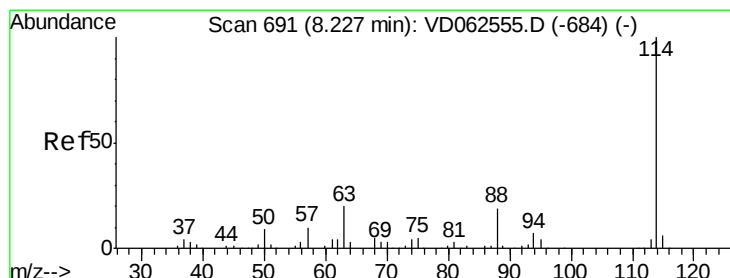
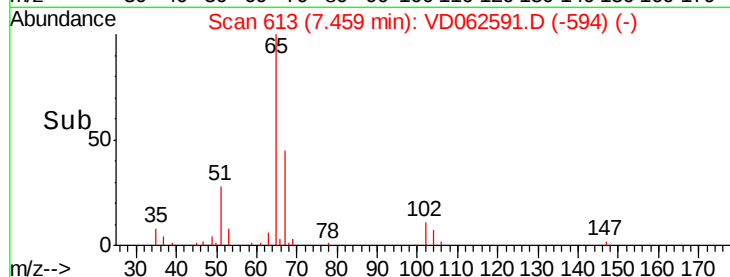
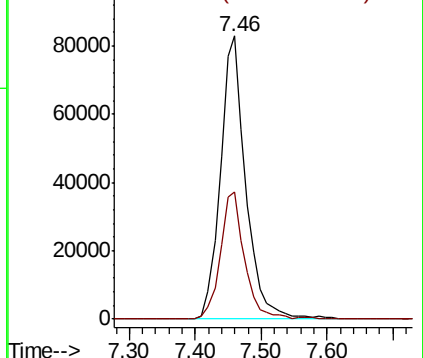
65 100

67 45.1 0.0 83.6



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: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

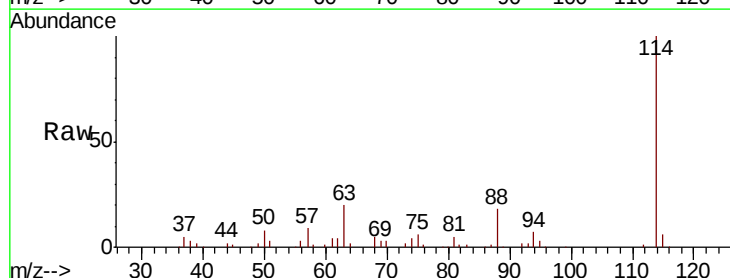
Tgt Ion: 114 Resp: 434058

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.6

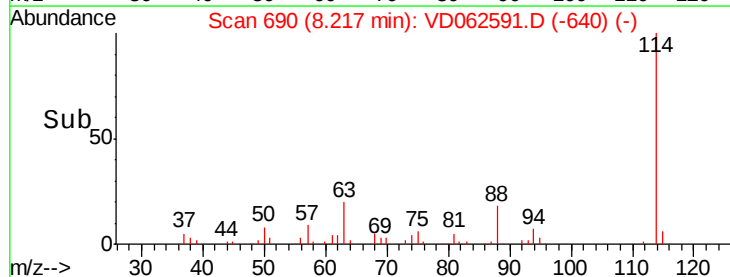
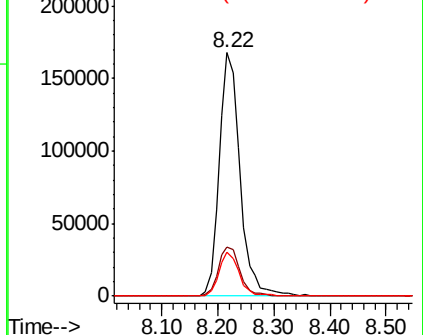
88 18.1 0.0 37.6

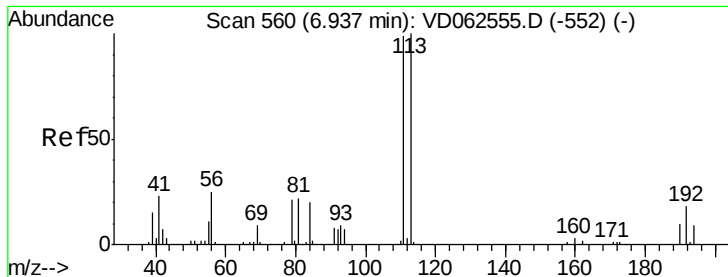


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 57.778 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

Instrument :

MSVOA_D

ClientSampleId :

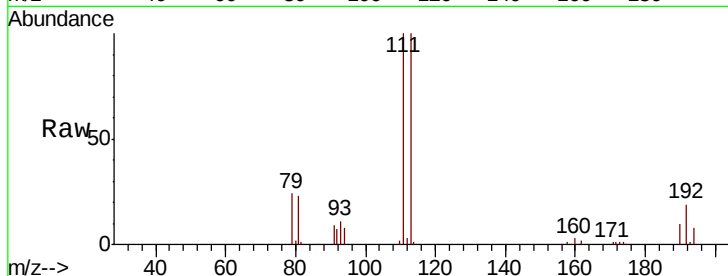
Tot Ion:113 Resp: 228535

Ion Ratio Lower Upper

113 100

111 99.7 78.8 118.2

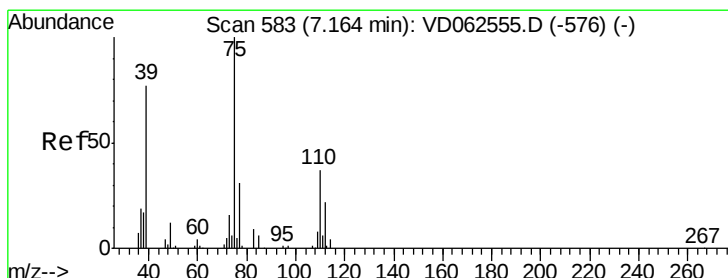
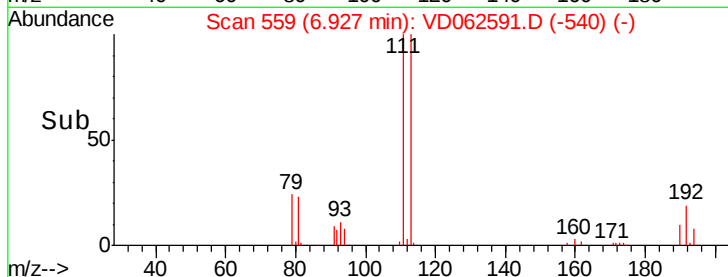
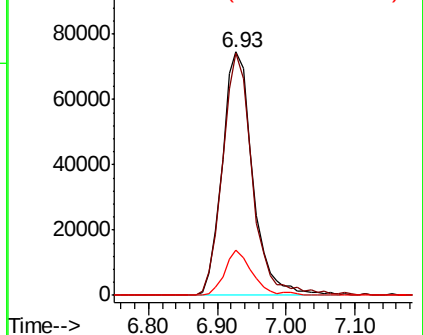
192 18.8 14.6 22.0



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: 5.400 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.13 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

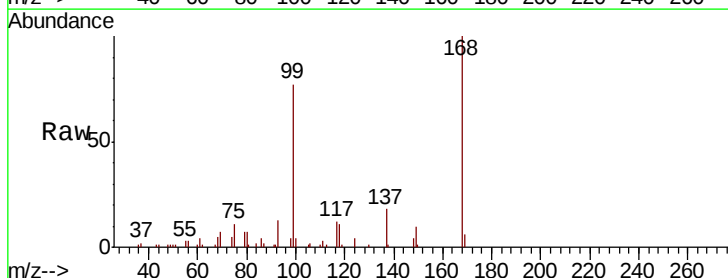
Tgt Ion: 75 Resp: 23331

Ion Ratio Lower Upper

75 100

110 7.1 18.3 54.8#

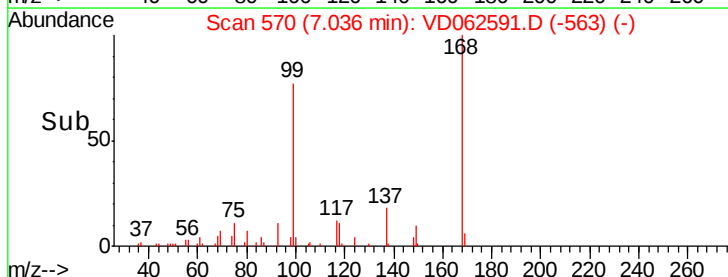
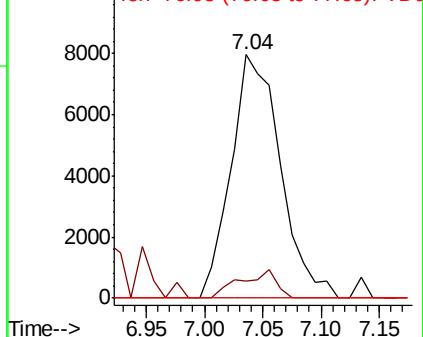
77 0.0 24.4 36.6#

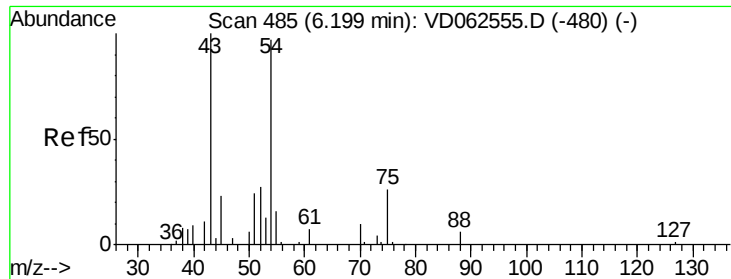


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 1.027 ug/l

RT: 6.18 min Scan# 483

Delta R.T. -0.02 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

Instrument :
MSVOA_D
ClientSampled :

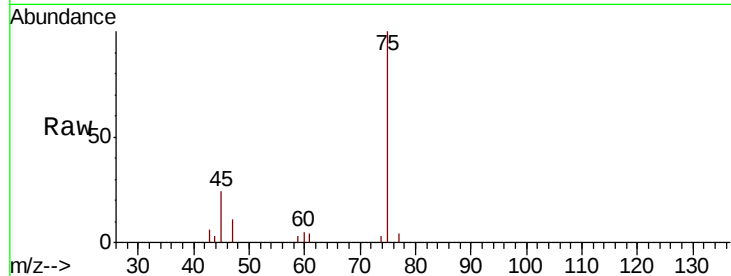
Tot Ion: 43 Resp: 1871

Ion Ratio Lower Upper

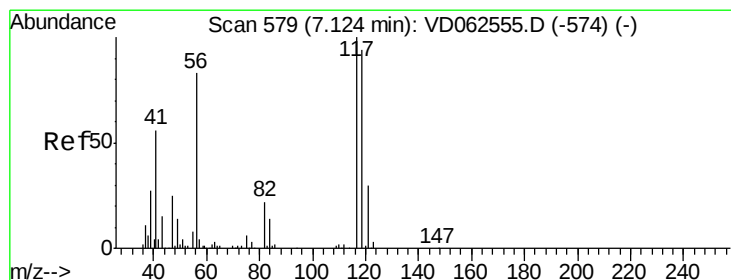
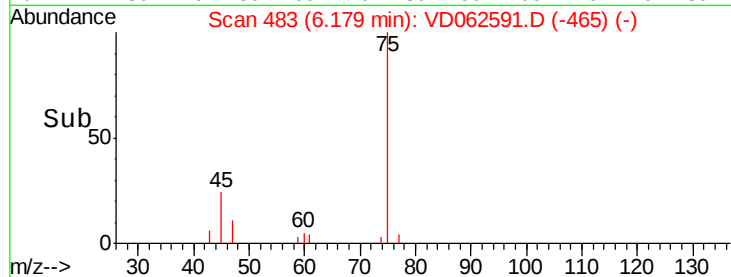
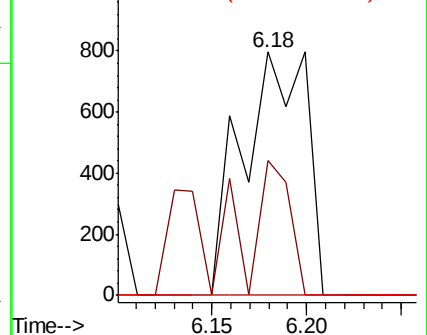
43 100

61 55.3 9.8 14.8#

70 0.0 6.5 9.7#



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



#38

Carbon Tetrachloride

Concen: 4.804 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

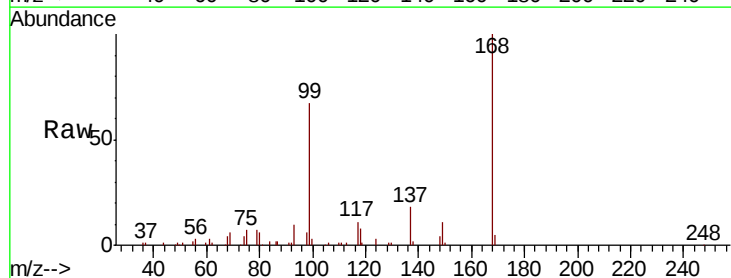
Tgt Ion: 117 Resp: 30906

Ion Ratio Lower Upper

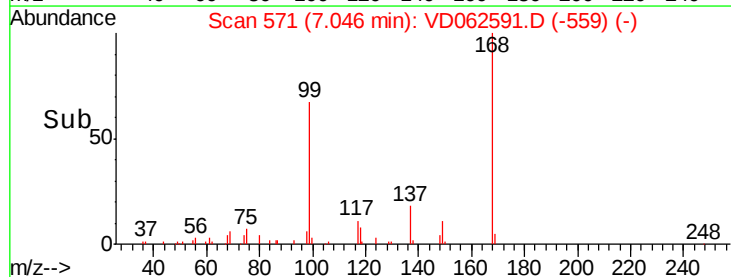
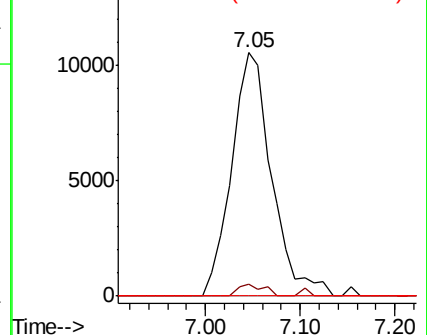
117 100

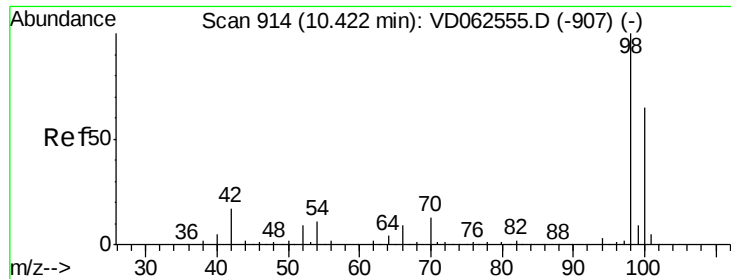
119 5.0 71.4 107.2#

121 0.0 22.5 33.7#



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: 25.172 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

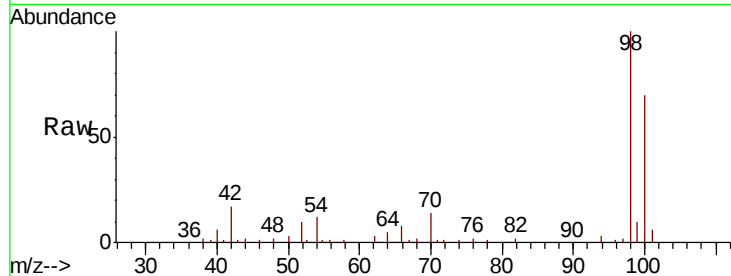
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 218152

Ion Ratio Lower Upper

98 100

100 70.0 52.3 78.5



Abundance Ion 98.05 (97.75 to 98.75): VD062555.D (-907) (-)

Ion 100.05 (99.75 to 100.75): VD062555.D (-907) (-)

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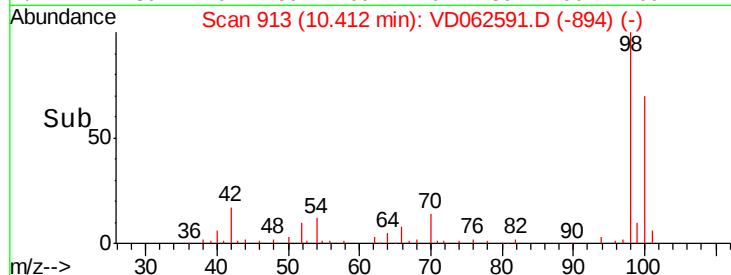
10.41

10.41

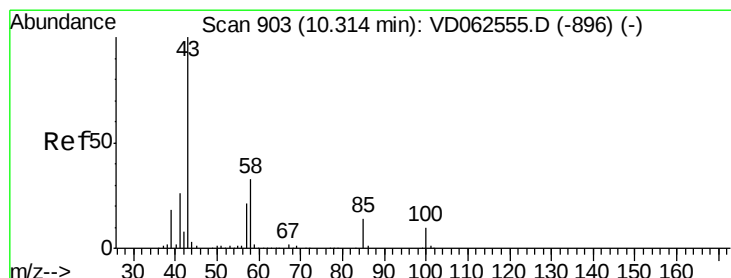
10.41

10.41

10.41



Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.490 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.02 min

Lab File: VD062591.D

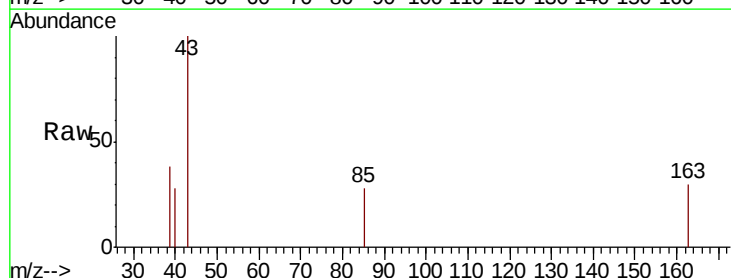
Acq: 3 Jun 2019 17:45

Tgt Ion: 43 Resp: 2357

Ion Ratio Lower Upper

43 100

58 0.0 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VD062555.D (-896) (-)

Ion 57.95 (57.65 to 58.65): VD062555.D (-896) (-)

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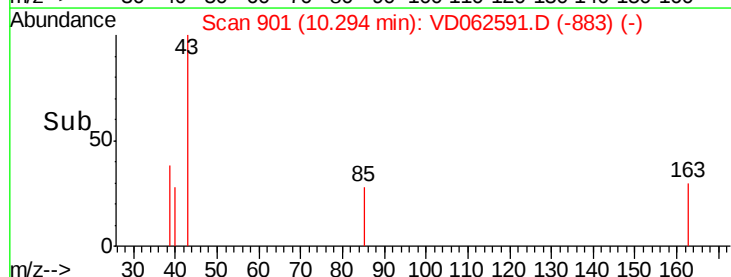
10.29

10.29

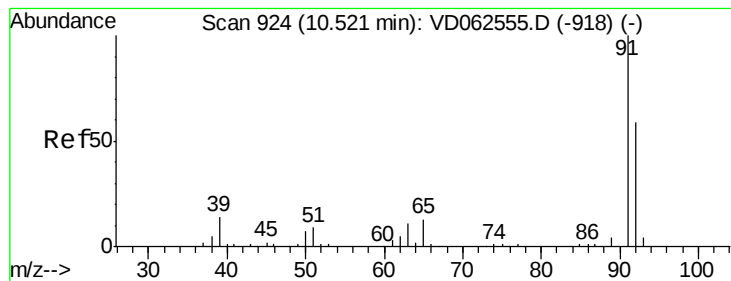
10.29

10.29

10.29



Time-->



#52

Toluene

Concen: 174.799 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

Instrument :

MSVOA_D

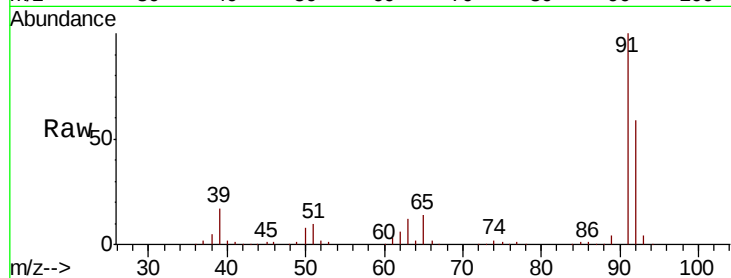
ClientSampleId :

Tot Ion: 92 Resp: 1011038

Ion Ratio Lower Upper

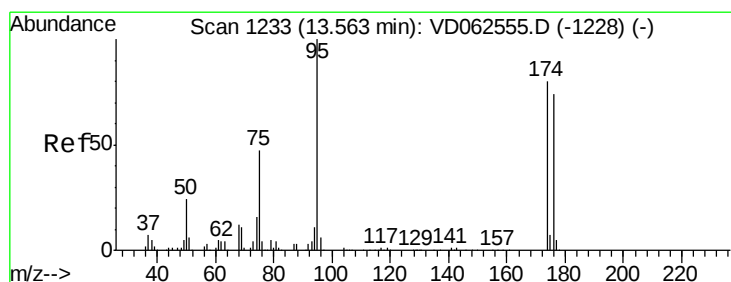
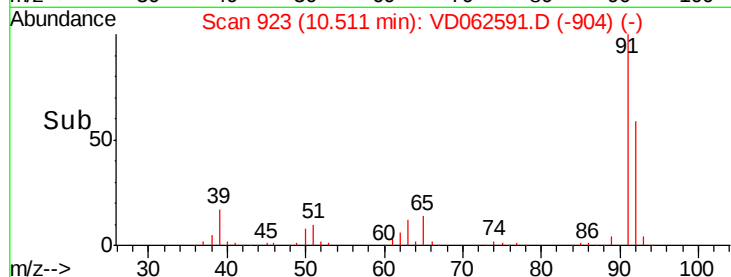
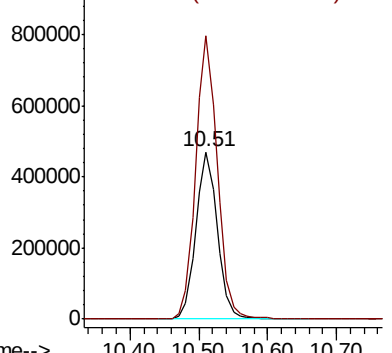
92 100

91 169.0 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 21.882 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

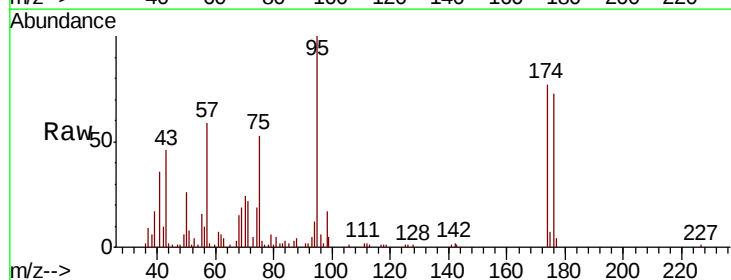
Tgt Ion: 95 Resp: 85521

Ion Ratio Lower Upper

95 100

174 76.9 0.0 160.2

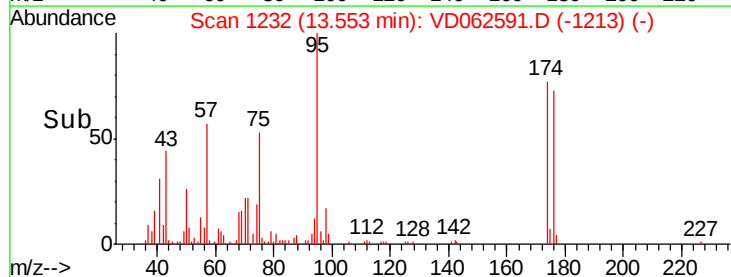
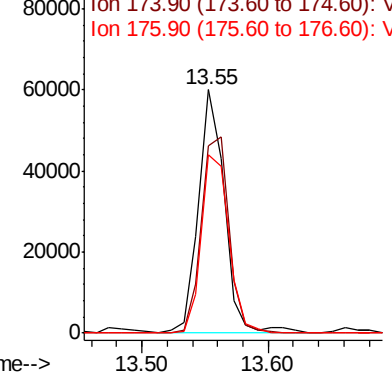
176 73.2 0.0 148.0

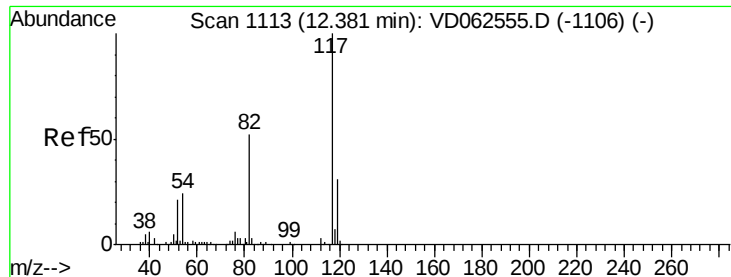


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

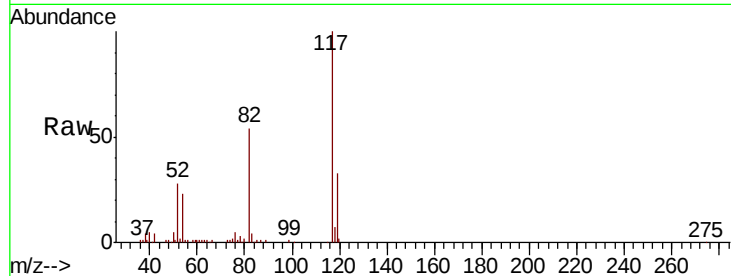




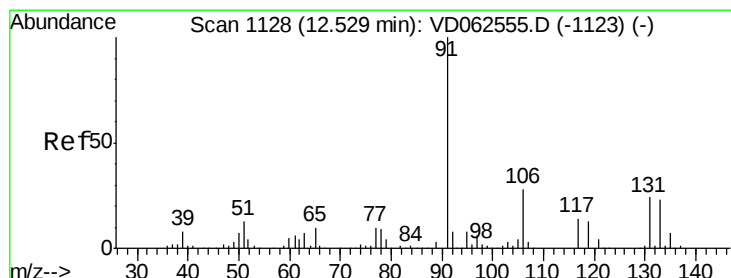
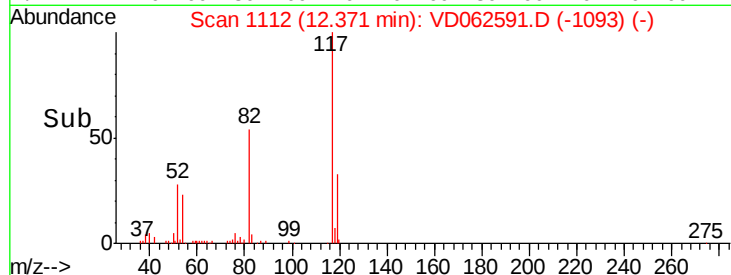
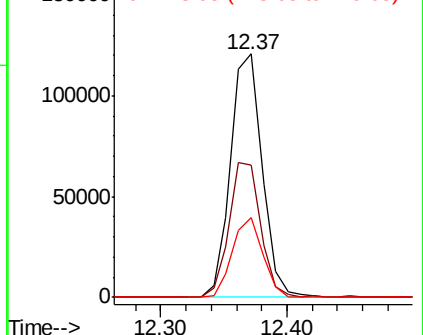
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062591.D
Acq: 3 Jun 2019 17:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 208990
Ion Ratio Lower Upper
117 100
82 54.5 41.4 62.2
119 32.8 24.9 37.3

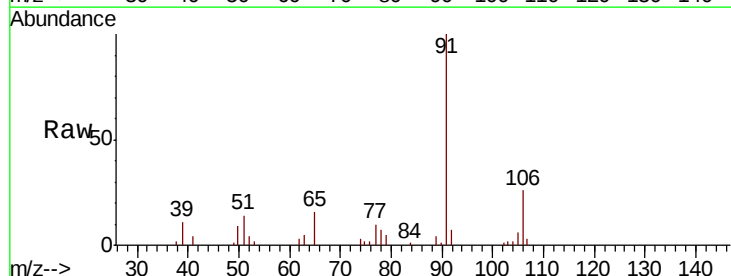


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

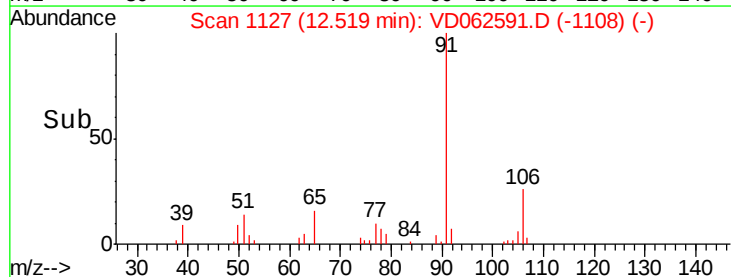
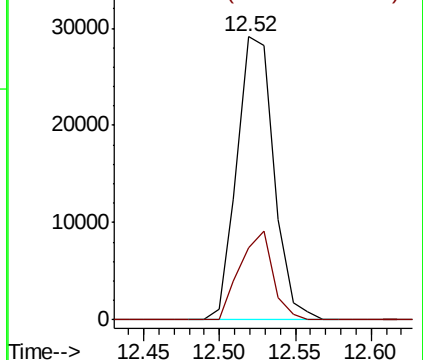


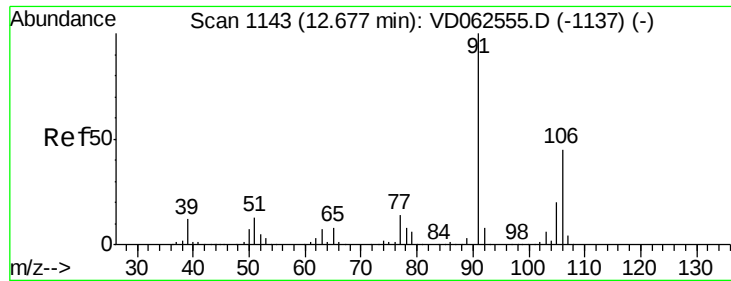
#67
Ethyl Benzene
Concen: 6.628 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062591.D
Acq: 3 Jun 2019 17:45

Tgt Ion: 91 Resp: 49443
Ion Ratio Lower Upper
91 100
106 25.6 22.2 33.2



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

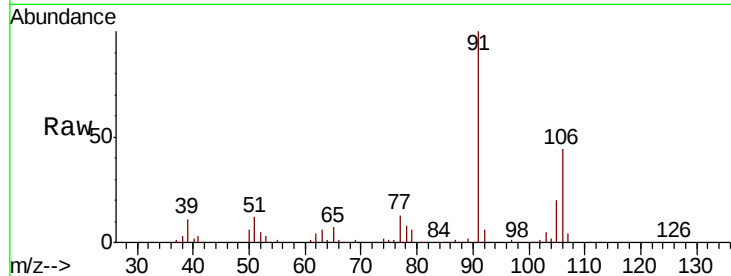




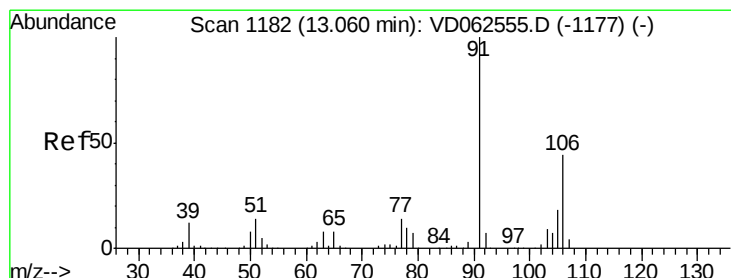
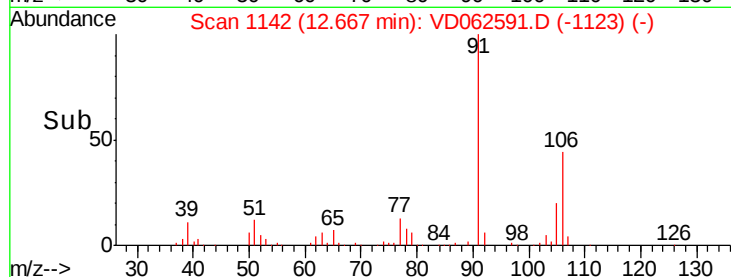
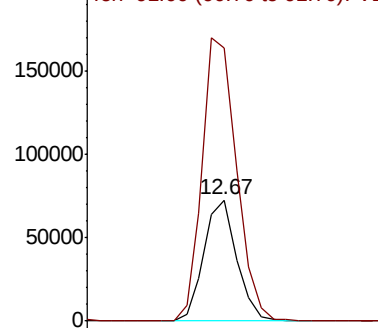
#68
m/p-Xylenes
Concen: 50.628 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD062591.D
Acq: 3 Jun 2019 17:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 130641
Ion Ratio Lower Upper
106 100
91 225.8 178.9 268.3

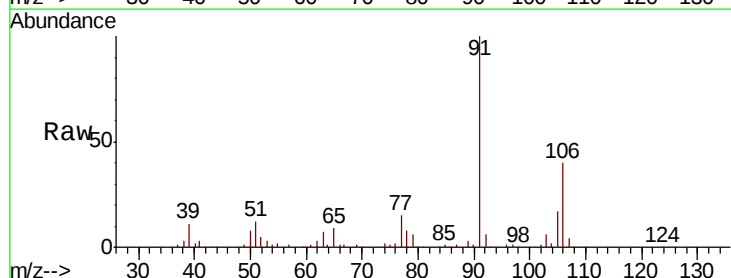


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

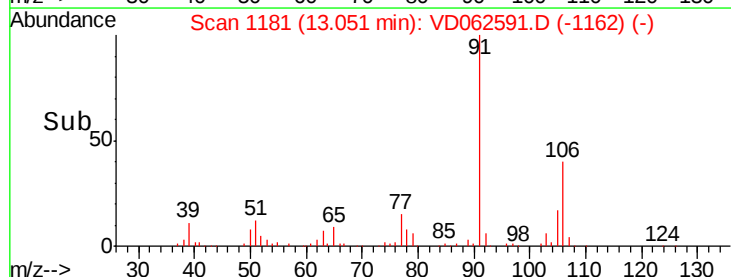
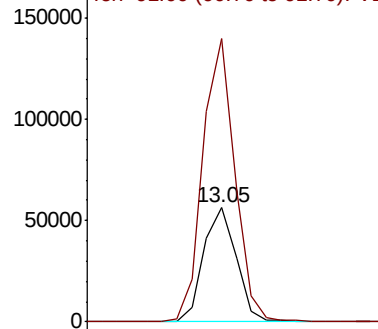


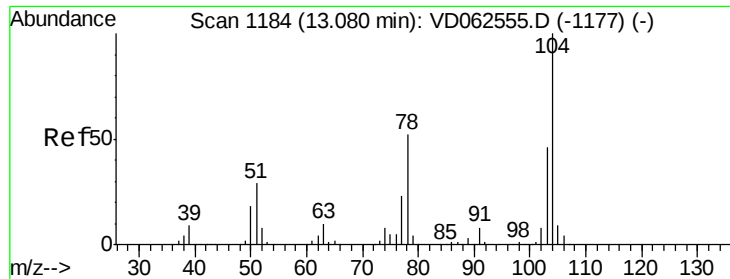
#69
o-Xylene
Concen: 34.265 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062591.D
Acq: 3 Jun 2019 17:45

Tgt Ion:106 Resp: 84346
Ion Ratio Lower Upper
106 100
91 247.7 113.9 341.8



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

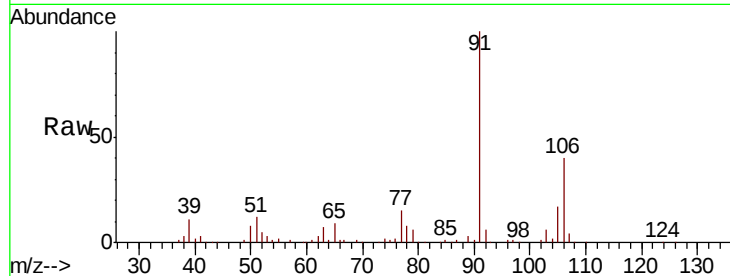




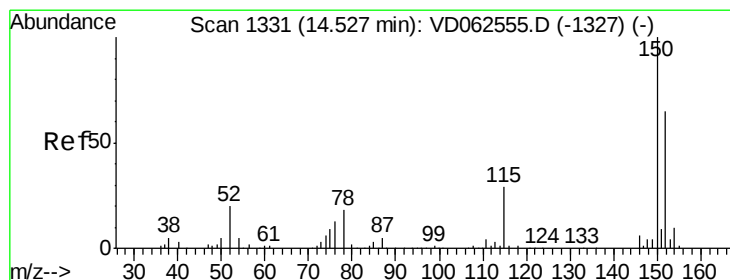
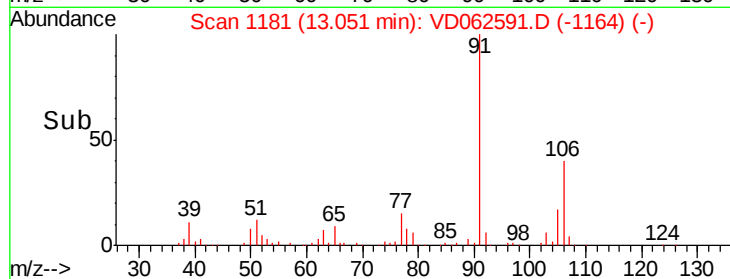
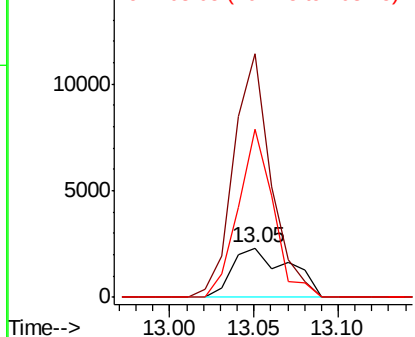
#70
Stvrene
Concen: 1.273 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.03 min
Lab File: VD062591.D
Acq: 3 Jun 2019 17:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:104 Resp: 5320
Ion Ratio Lower Upper
104 100
78 492.4 41.5 62.3#
103 340.3 36.6 55.0#

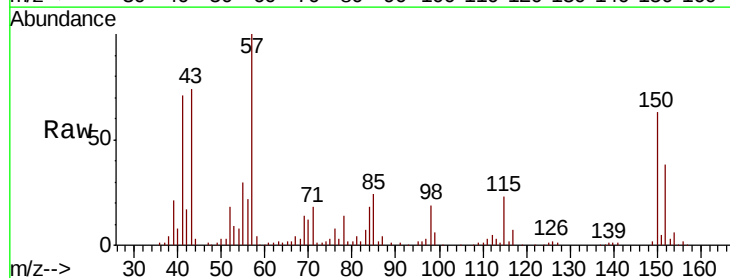


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

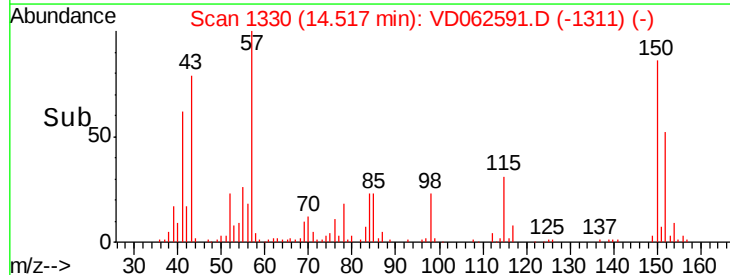
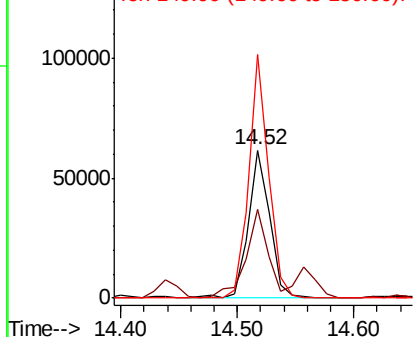


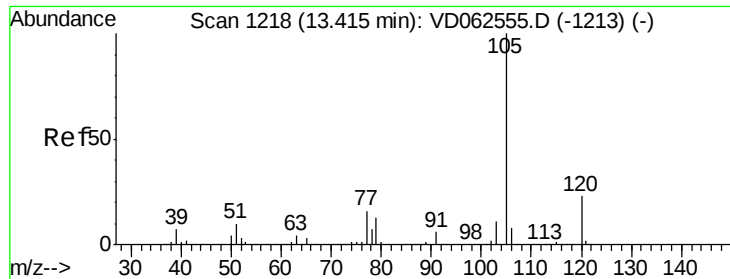
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD062591.D
Acq: 3 Jun 2019 17:45

Tgt Ion:152 Resp: 77899
Ion Ratio Lower Upper
152 100
115 59.9 28.4 85.3
150 164.8 0.0 310.4



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: 3.696 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

Instrument :

MSVOA_D

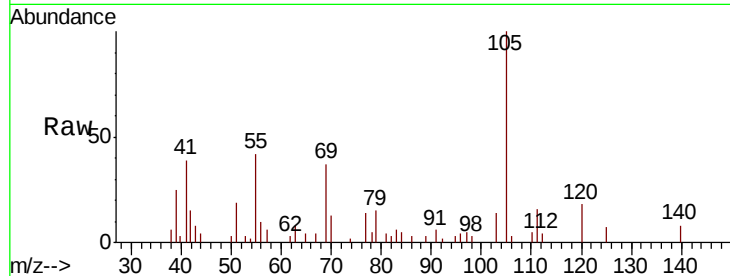
ClientSampled :

Tot Ion:105 Resp: 18983

Ion Ratio Lower Upper

105 100

120 17.7 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

15000

10000

5000

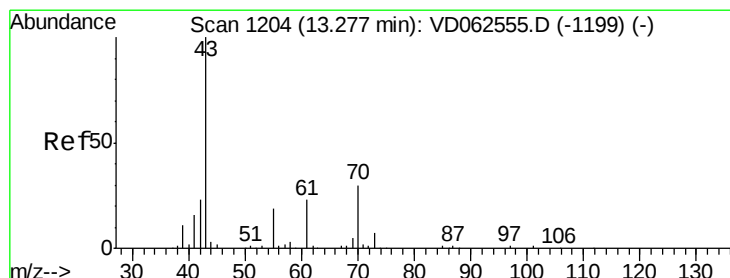
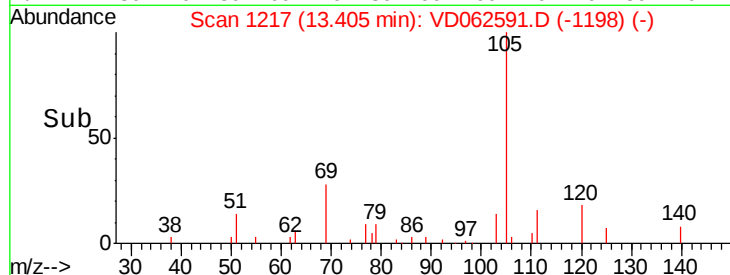
0

Time-->

13.35

13.40

13.45



#74

N-ethyl acetate

Concen: 15.348 ug/l

RT: 13.33 min Scan# 1209

Delta R.T. 0.05 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

Tgt Ion: 43 Resp: 20097

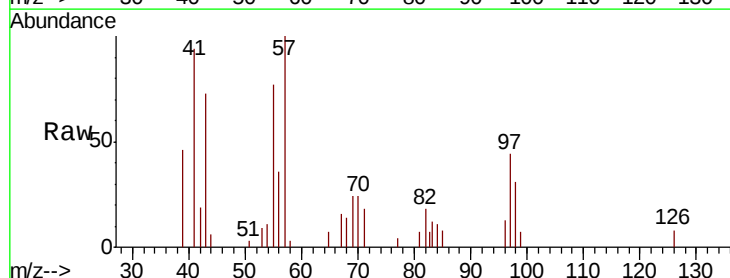
Ion Ratio Lower Upper

43 100

70 33.5 23.7 35.5

55 105.4 15.0 22.4#

61 0.0 18.4 27.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

25000

20000

15000

10000

5000

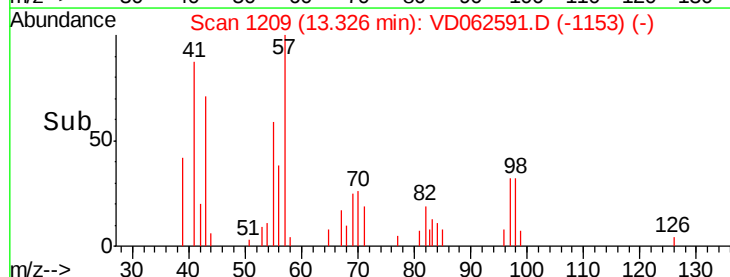
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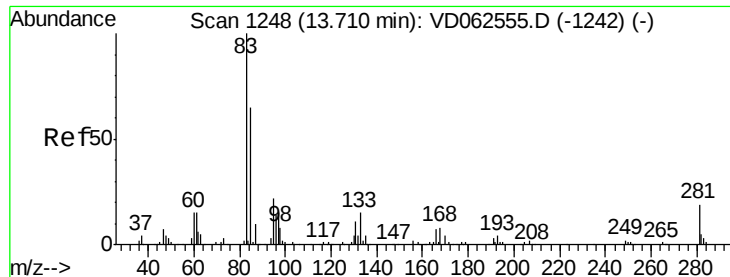
Time-->

13.20

13.30

13.40

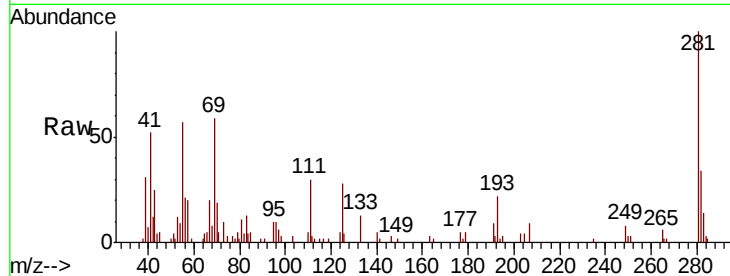




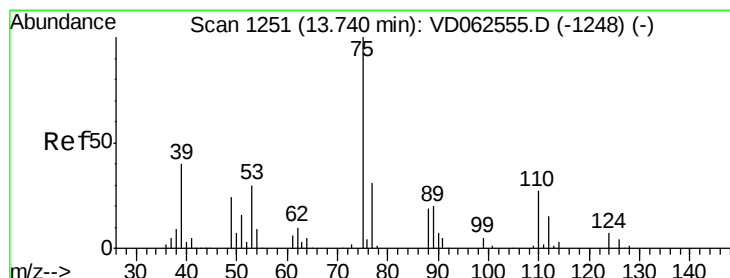
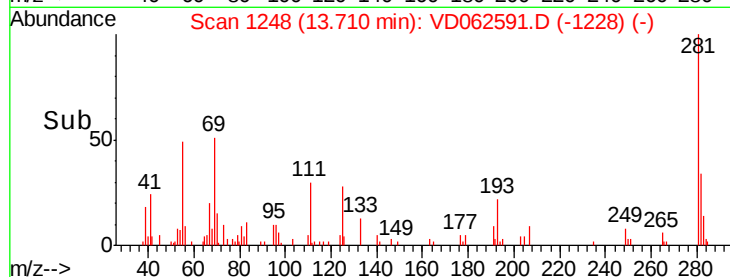
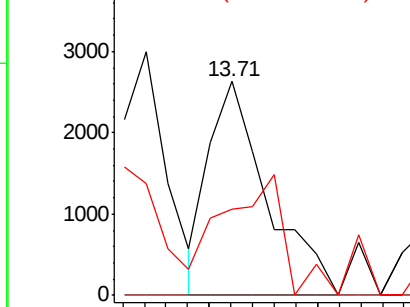
#75
 1,1,2,2-Tetrachloroethane
 Concen: 6.080 ug/l
 RT: 13.71 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VD062591.D
 Acq: 3 Jun 2019 17:45

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 83 Resp: 4952
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.7 17.1#
 85 40.2 32.6 97.8

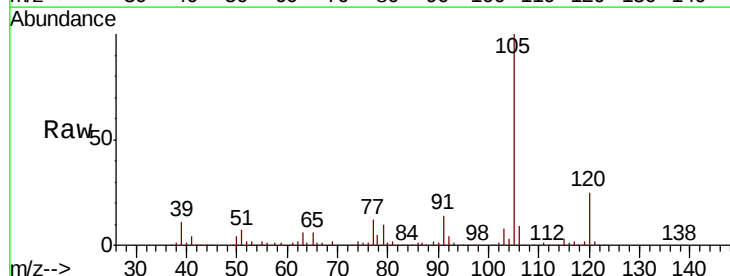


Abundance Ion 82.95 (82.65 to 83.65): VDC
 Ion 130.90 (130.60 to 131.60): VDC
 Ion 84.95 (84.65 to 85.65): VDC

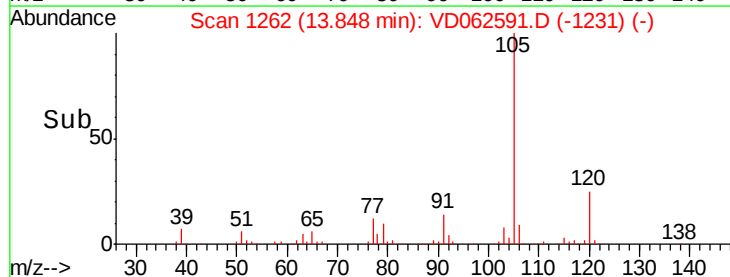
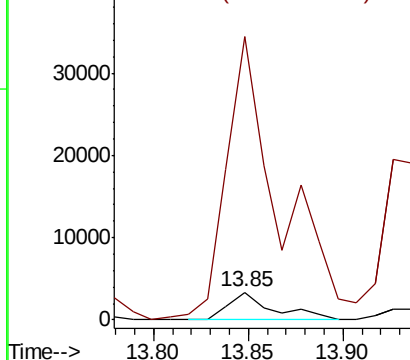


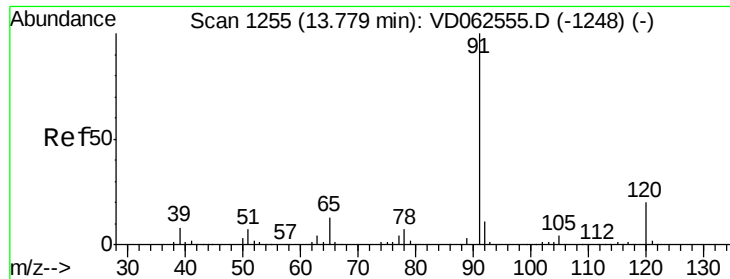
#76
 1,2,3-Trichloropropane
 Concen: 5.794 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.11 min
 Lab File: VD062591.D
 Acq: 3 Jun 2019 17:45

Tgt Ion: 75 Resp: 5415
 Ion Ratio Lower Upper
 75 100
 77 1034.0 16.5 49.5#



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

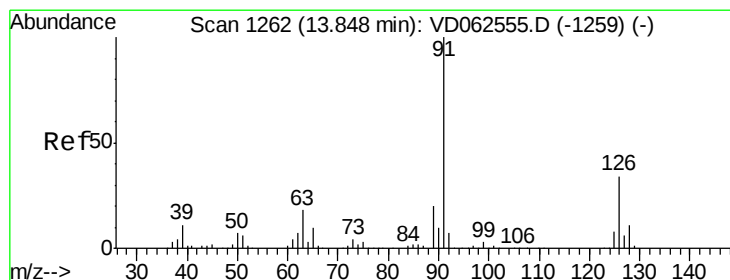
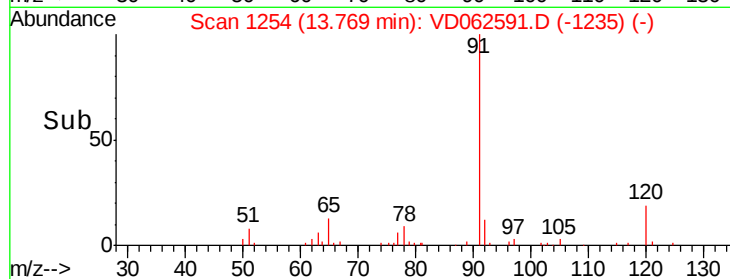
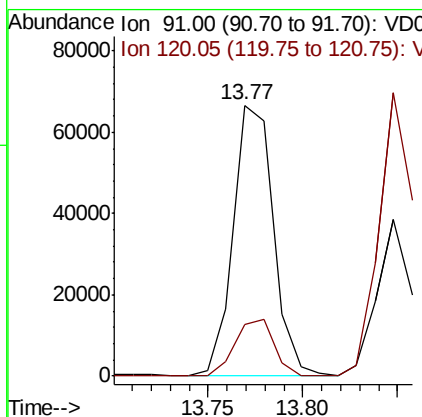
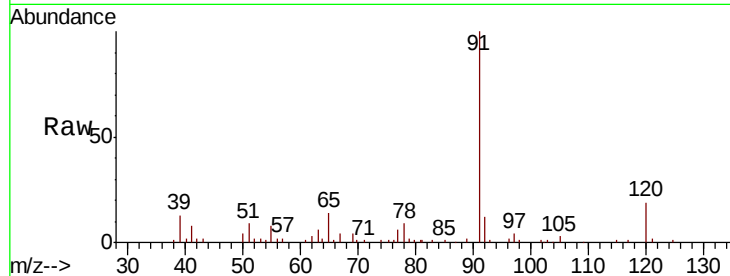




#78
n-propylbenzene
Concen: 16.531 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD062591.D
Acq: 3 Jun 2019 17:45

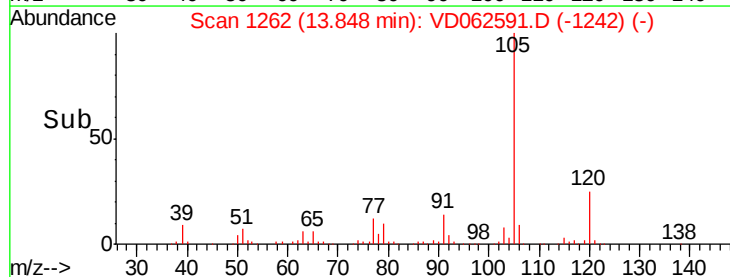
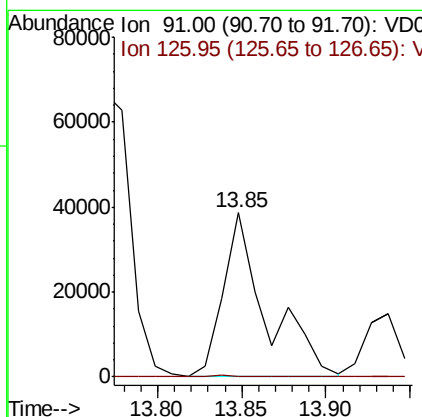
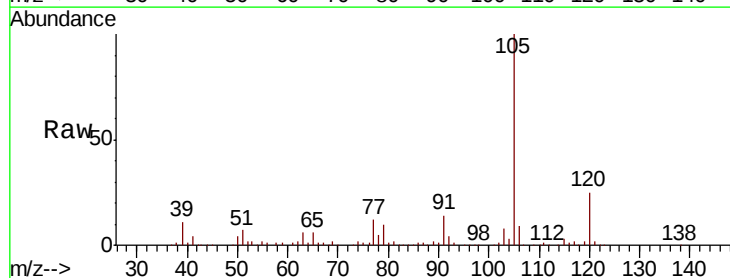
Instrument :
MSVOA_D
ClientSampled :

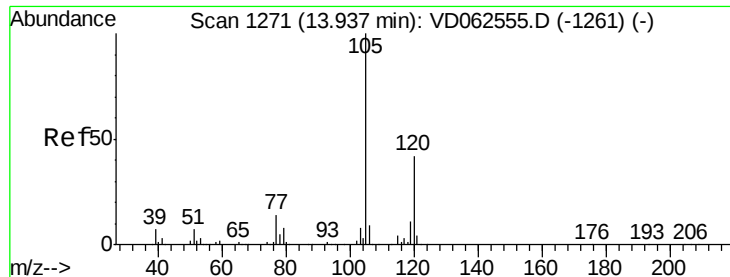
Tot Ion: 91 Resp: 97854
Ion Ratio Lower Upper
91 100
120 19.3 10.0 29.8



#79
2-Chlorotoluene
Concen: 20.150 ug/l
RT: 13.85 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VD062591.D
Acq: 3 Jun 2019 17:45

Tgt Ion: 91 Resp: 69161
Ion Ratio Lower Upper
91 100
126 0.0 16.7 50.1#

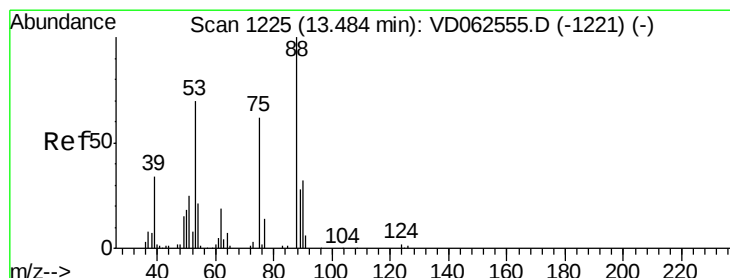
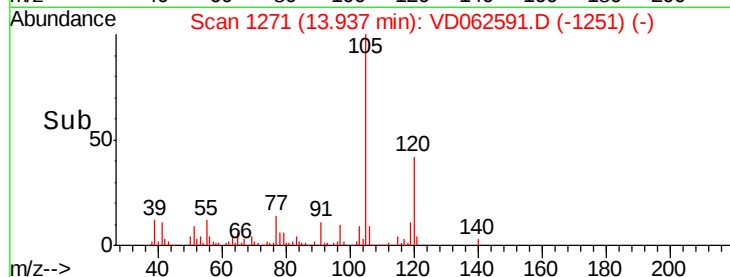
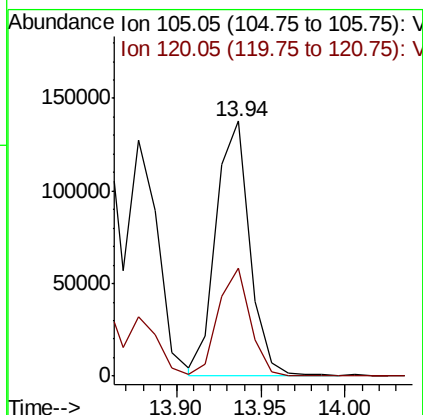
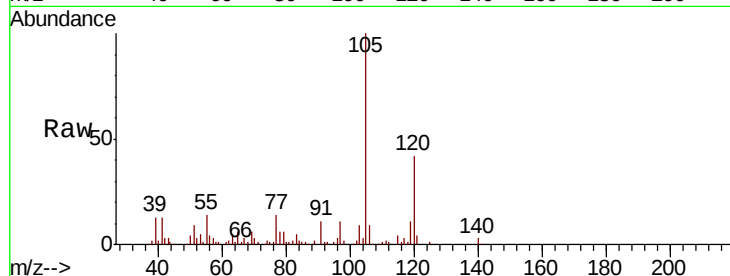




#80
 1,3,5-Trimethylbenzene
 Concen: 43.518 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062591.D
 Acq: 3 Jun 2019 17:45

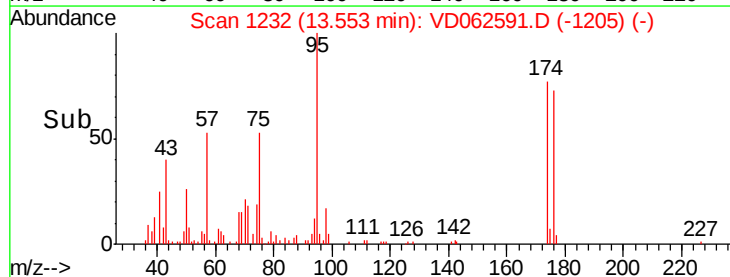
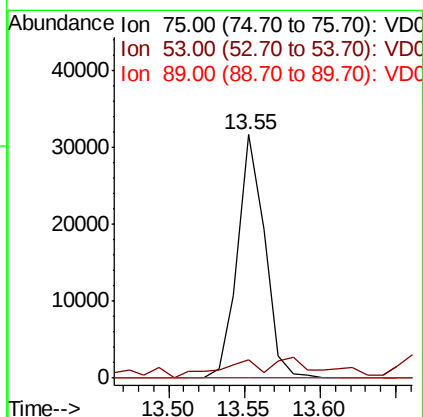
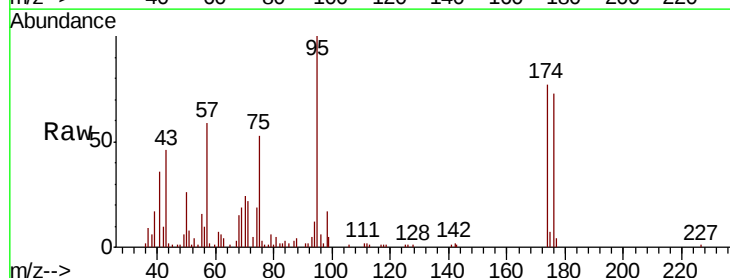
Instrument :
 MSVOA_D
 ClientSampleId :

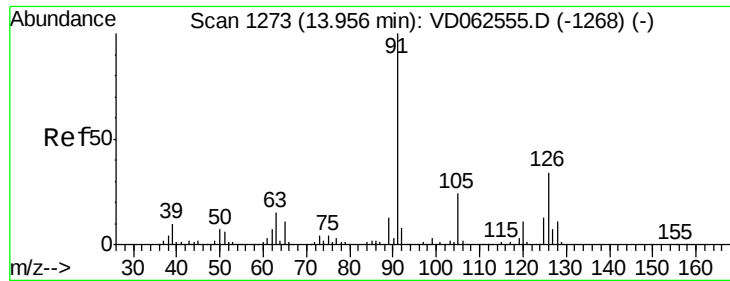
Tot Ion:105 Resp: 190973
 Ion Ratio Lower Upper
 105 100
 120 42.2 20.8 62.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 147.395 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.07 min
 Lab File: VD062591.D
 Acq: 3 Jun 2019 17:45

Tgt Ion: 75 Resp: 39471
 Ion Ratio Lower Upper
 75 100
 53 7.5 91.0 136.4#
 89 0.0 36.9 55.3#

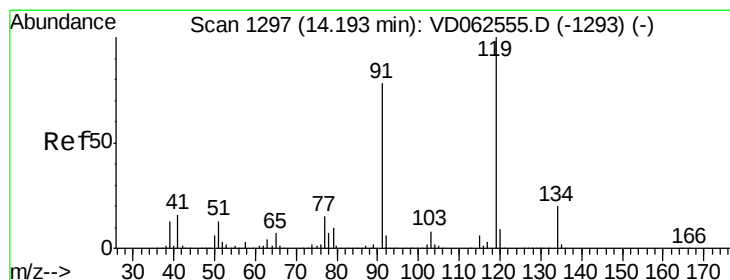
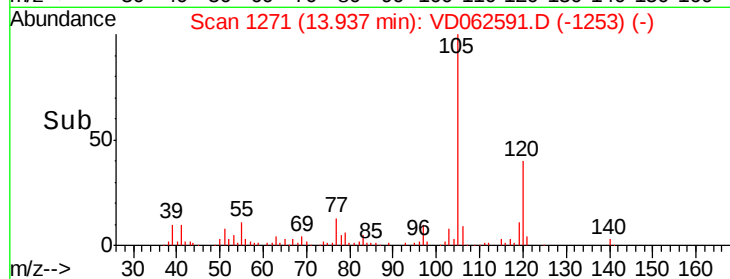
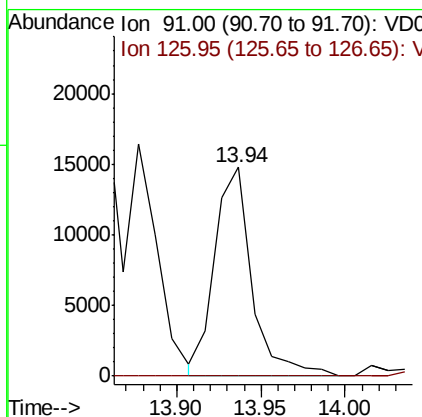
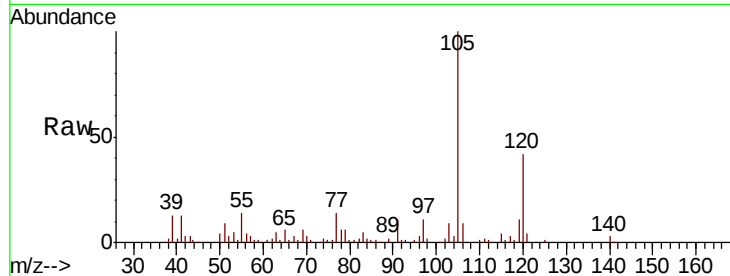




#82
4-Chlorotoluene
Concen: 5.550 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.02 min
Lab File: VD062591.D
Acq: 3 Jun 2019 17:45

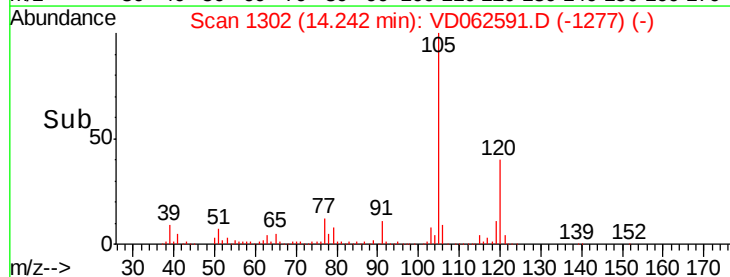
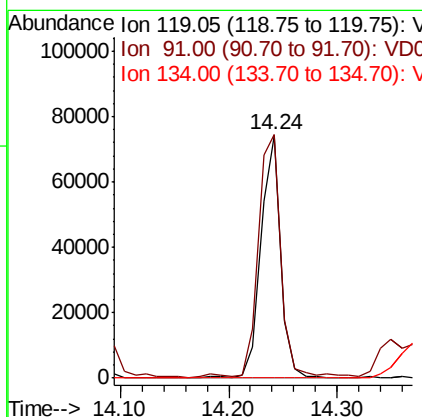
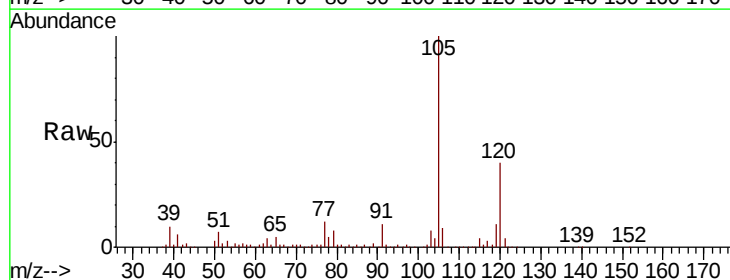
Instrument :
MSVOA_D
ClientSampleId :

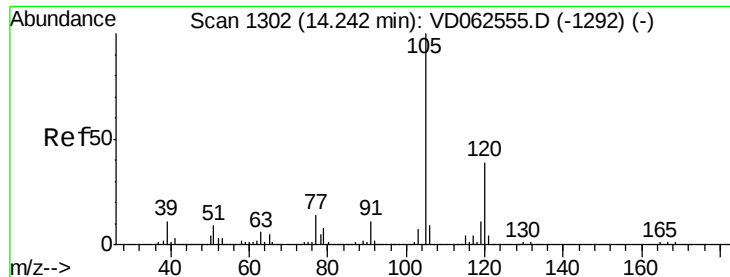
Tot Ion: 91 Resp: 22804
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.7#



#83
tert-Butylbenzene
Concen: 19.381 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.05 min
Lab File: VD062591.D
Acq: 3 Jun 2019 17:45

Tgt Ion: 119 Resp: 94904
Ion Ratio Lower Upper
119 100
91 100.3 39.1 117.5
134 0.0 10.1 30.3#

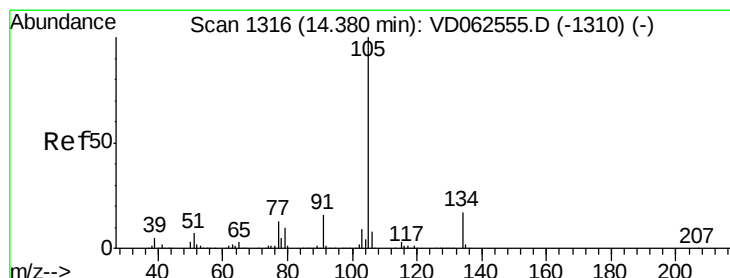
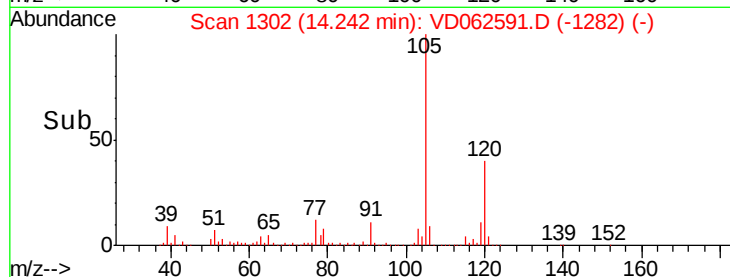
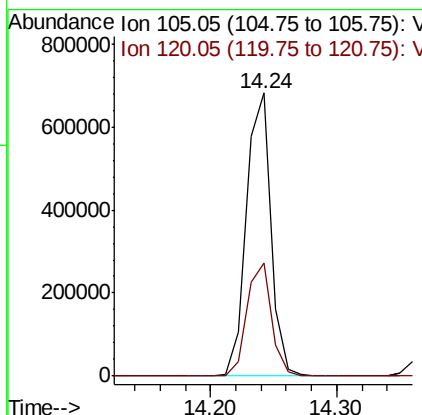
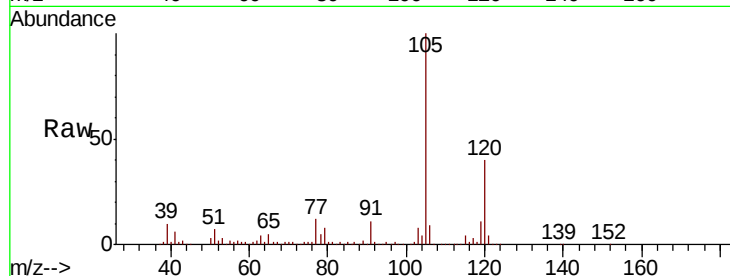




#84
 1,2,4-Trimethylbenzene
 Concen: 205.180 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062591.D
 Acq: 3 Jun 2019 17:45

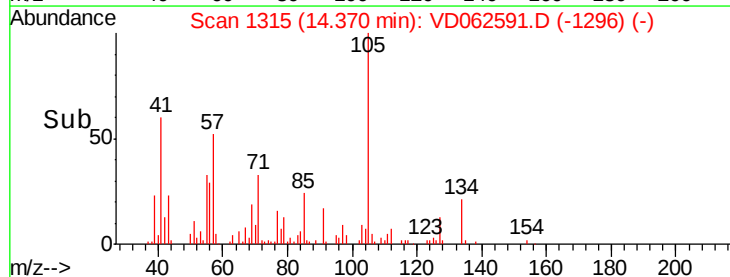
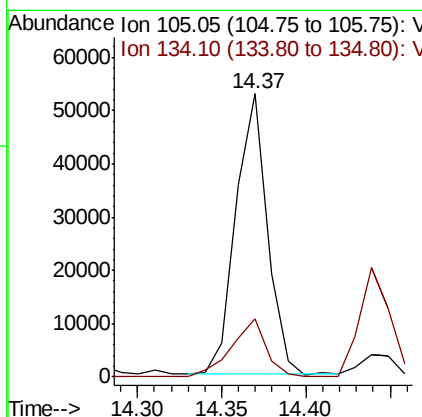
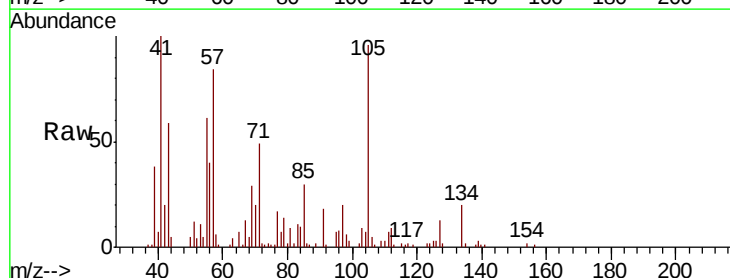
Instrument :
 MSVOA_D
 ClientSampleId :

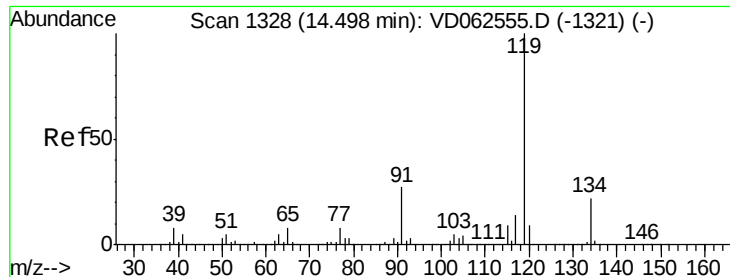
Tot Ion:105 Resp: 917496
 Ion Ratio Lower Upper
 105 100
 120 40.1 19.6 58.8



#85
 sec-Butylbenzene
 Concen: 13.128 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD062591.D
 Acq: 3 Jun 2019 17:45

Tgt Ion:105 Resp: 68099
 Ion Ratio Lower Upper
 105 100
 134 20.5 8.7 26.1

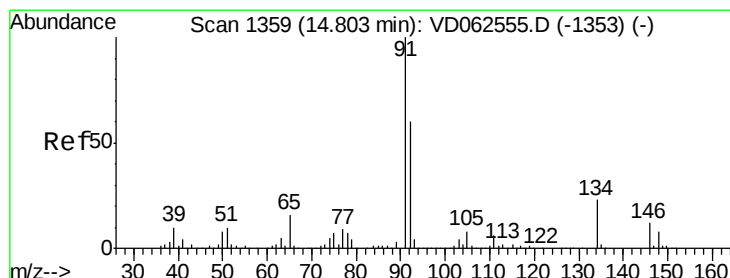
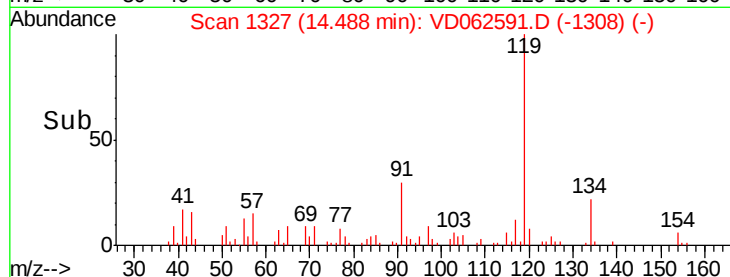
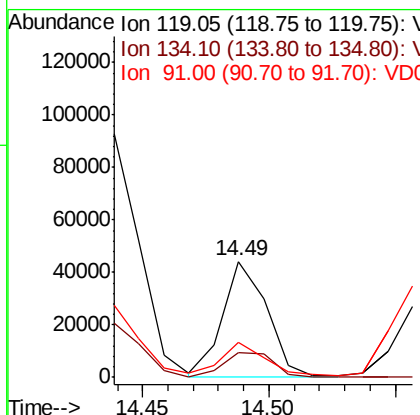
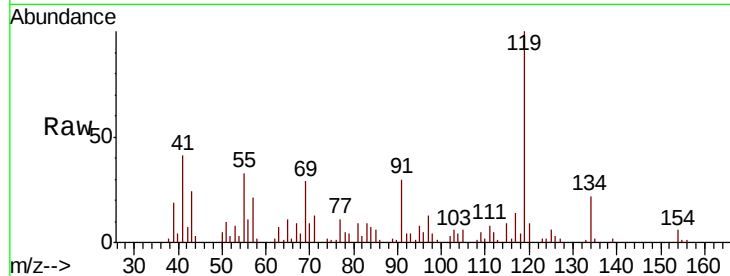




#86
 p-Isopropyltoluene
 Concen: 11.056 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD062591.D
 Acq: 3 Jun 2019 17:45

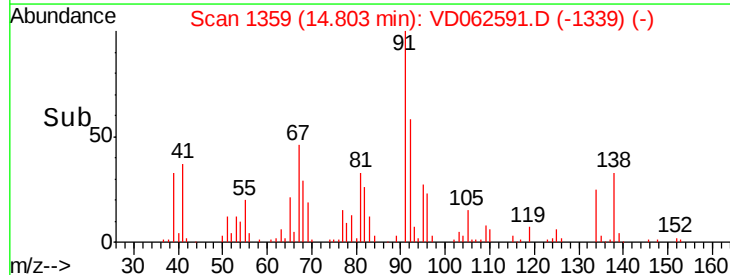
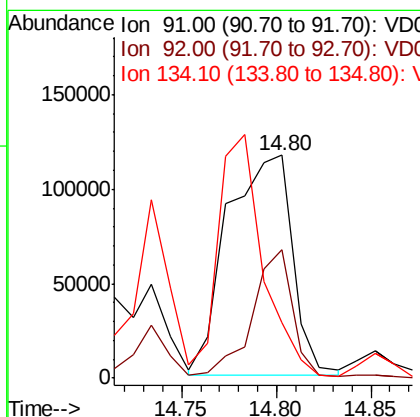
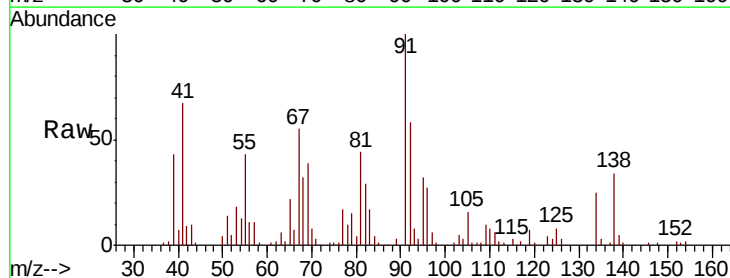
Instrument :
 MSVOA_D
 ClientSampled :

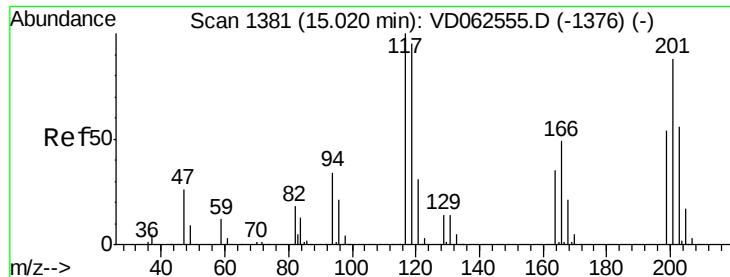
Tot Ion:119 Resp: 53582
 Ion Ratio Lower Upper
 119 100
 134 21.8 11.2 33.6
 91 30.3 13.6 40.7



#89
 n-Butylbenzene
 Concen: 64.057 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD062591.D
 Acq: 3 Jun 2019 17:45

Tgt Ion: 91 Resp: 277123
 Ion Ratio Lower Upper
 91 100
 92 57.5 29.8 89.4
 134 24.9 11.3 33.8





#90

Hexachloroethane

Concen: 41.345 ug/l

RT: 15.06 min Scan# 1385

Delta R.T. 0.04 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

Instrument :

MSVOA_D

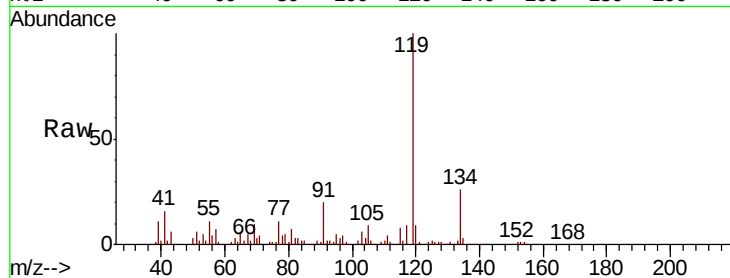
ClientSampleId :

Tot Ion:117 Resp: 53159

Ion Ratio Lower Upper

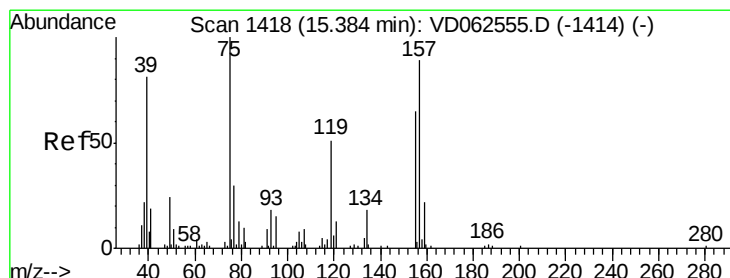
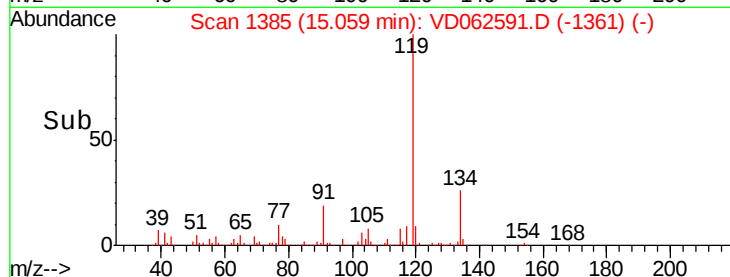
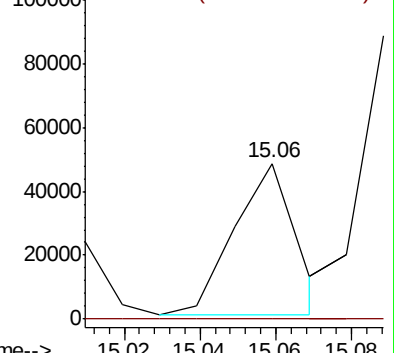
117 100

201 0.0 43.8 131.4#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 60.751 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VD062591.D

Acq: 3 Jun 2019 17:45

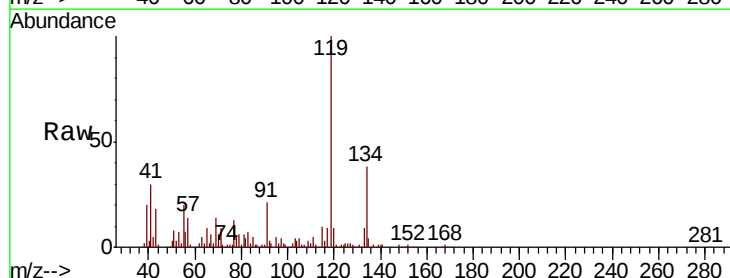
Tgt Ion: 75 Resp: 10260

Ion Ratio Lower Upper

75 100

155 15.5 32.6 97.8#

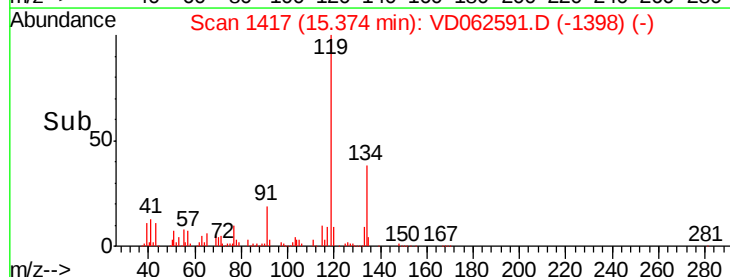
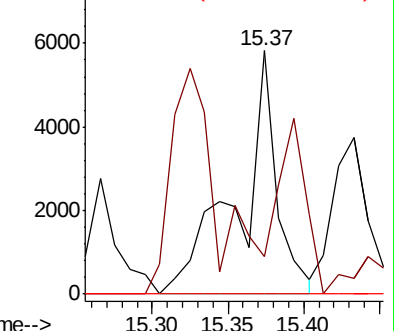
157 0.0 44.5 133.7#

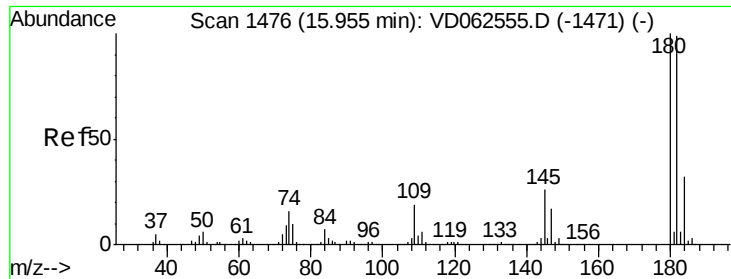


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

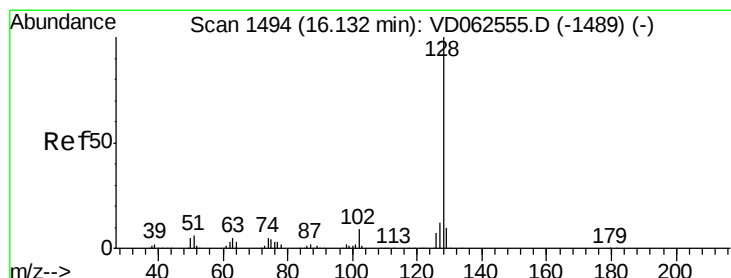
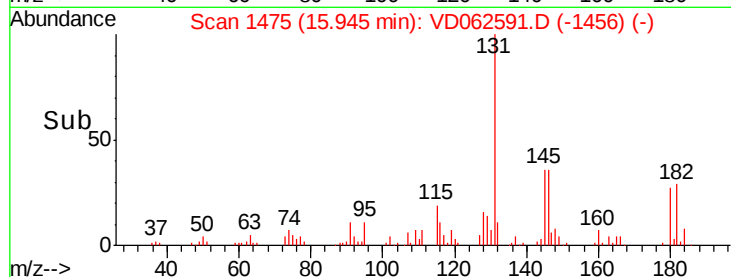
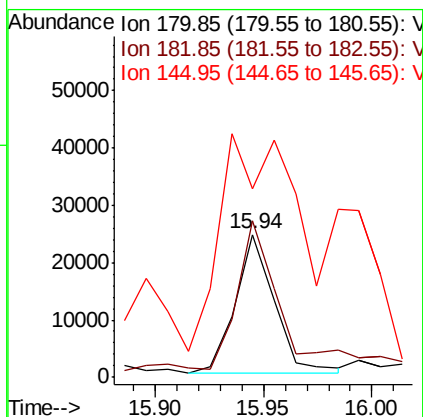
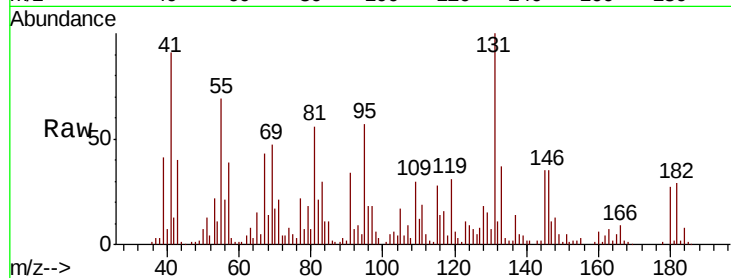




#93
 1,2,4-Trichlorobenzene
 Concen: 18.523 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD062591.D
 Acq: 3 Jun 2019 17:45

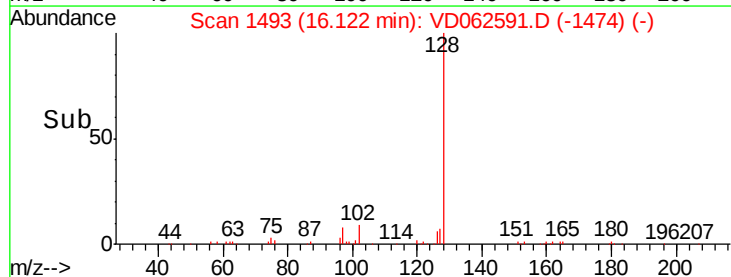
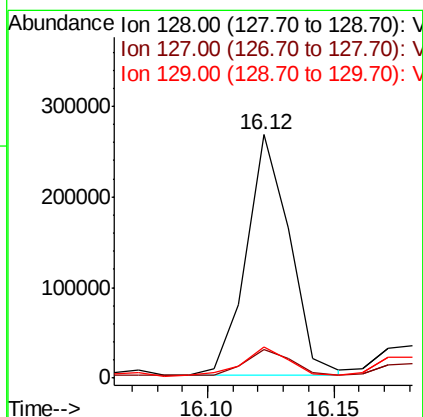
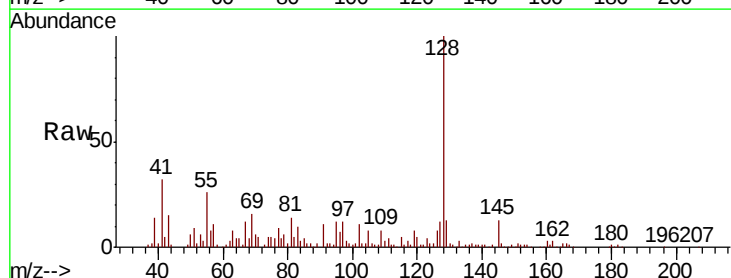
Instrument :
 MSVOA_D
 ClientSampleId :

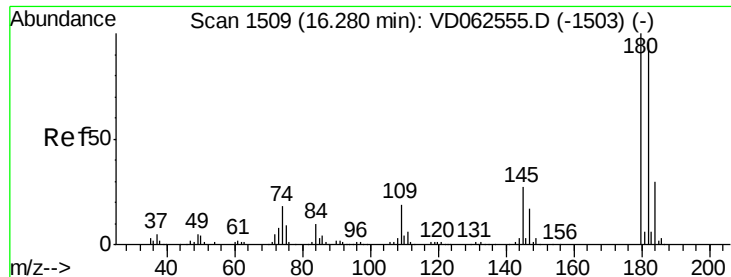
Tot Ion:180 Resp: 30411
 Ion Ratio Lower Upper
 180 100
 182 109.5 49.5 148.3
 145 131.8 13.1 39.3#



#95
 Naphthalene
 Concen: 141.938 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. -0.01 min
 Lab File: VD062591.D
 Acq: 3 Jun 2019 17:45

Tgt Ion:128 Resp: 317363
 Ion Ratio Lower Upper
 128 100
 127 11.9 9.7 14.5
 129 12.8 8.2 12.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 7.866 ug/l
 RT: 16.30 min Scan# 1511
 Delta R.T. 0.02 min
 Lab File: VD062591.D
 Acq: 3 Jun 2019 17:45

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 9647
 Ion Ratio Lower Upper
 180 100
 182 14.0 48.1 144.3#
 145 246.9 13.3 39.9#

