

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
 Data File : VD064827.D
 Acq On : 09 Jan 2020 20:19
 Operator : VA/SY
 Sample : L1070-01
 Misc : 6.84G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 10 05:44:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	33602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	50164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	49305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	21873	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	22595	76.26	ug/l	0.00
Spiked Amount						
				Recovery	=	152.52%
35) Dibromofluoromethane	7.92	113	19569	63.58	ug/l	0.00
Spiked Amount						
				Recovery	=	127.16%
50) Toluene-d8	10.34	98	59888	50.81	ug/l	0.00
Spiked Amount						
				Recovery	=	101.62%
62) 4-Bromofluorobenzene	12.64	95	19503	52.33	ug/l	0.00
Spiked Amount						
				Recovery	=	104.66%

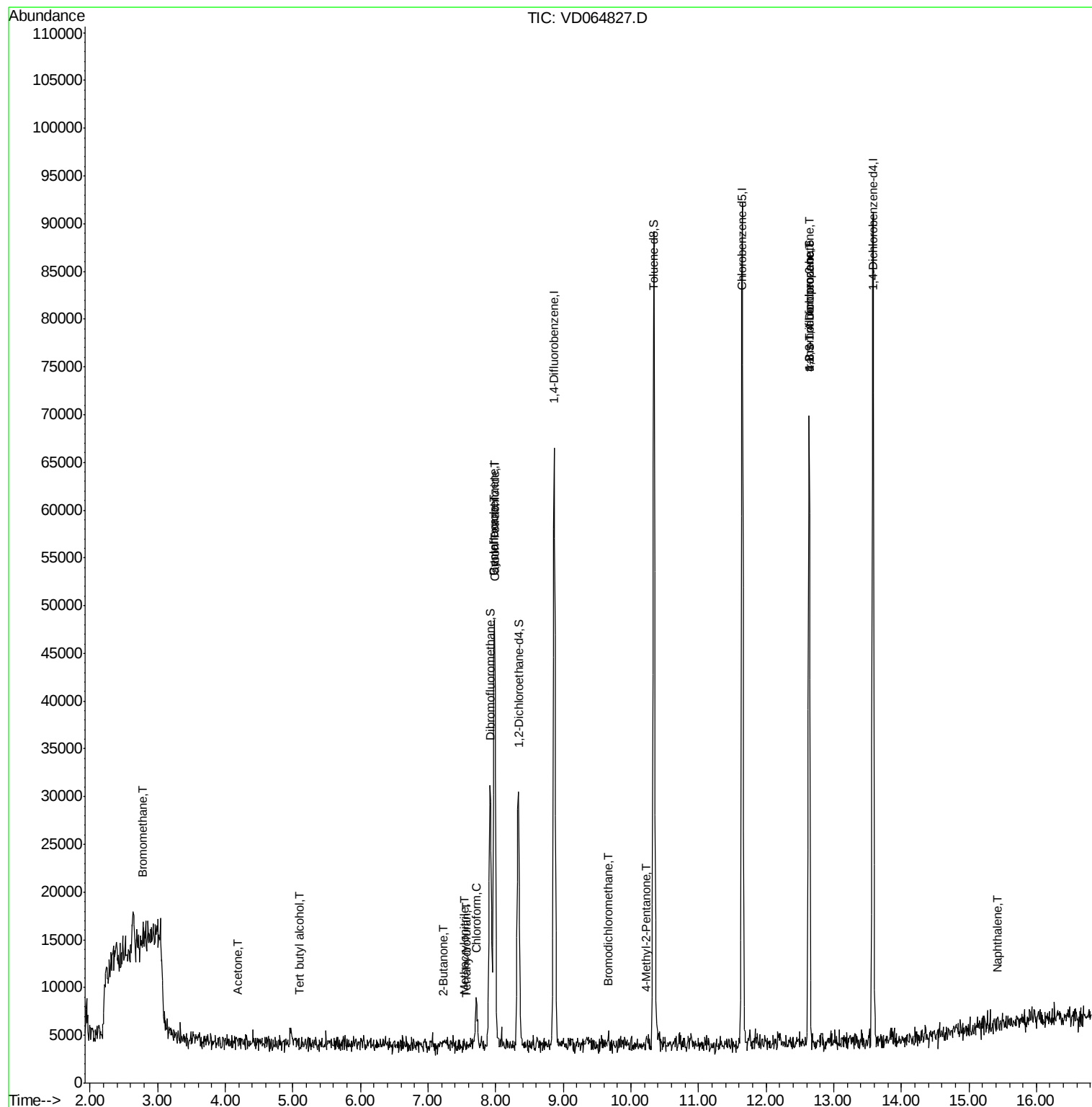
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	687	2.122	ug/l	86
11) Tert butyl alcohol	5.11	59	54	3.180	ug/l #	70
16) Acetone	4.18	43	832	15.955	ug/l #	42
20) Methylene Chloride	4.96	84	1040	Below Cal	#	47
25) 2-Butanone	7.23	43	144	1.768	ug/l #	49
29) Tetrahydrofuran	7.57	42	154	3.041	ug/l #	33
30) Chloroform	7.71	83	3847	6.644	ug/l	84
31) Cyclohexane	7.98	56	1085	1.964	ug/l #	71
38) Carbon Tetrachloride	7.99	117	3348	6.503	ug/l #	12
41) Methacrylonitrile	7.54	41	113	1.027	ug/l #	51
47) Bromodichloromethane	9.67	83	633	1.356	ug/l #	27
51) 4-Methyl-2-Pentanone	10.23	43	307	1.645	ug/l #	37
76) 1,2,3-Trichloropropane	12.64	75	9990	57.838	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	9990	120.967	ug/l #	10
95) Naphthalene	15.42	128	842	1.158	ug/l #	69

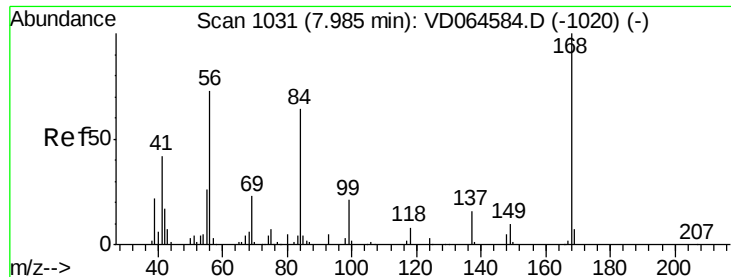
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD010920\
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Sample : L1070-01
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ALS Vial : 1 Sample Multiplier: 1

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ClientSampleId :

Quant Time: Jan 10 05:44:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064827.D

Acq: 09 Jan 2020 20:19

Instrument :

MSVOA_D

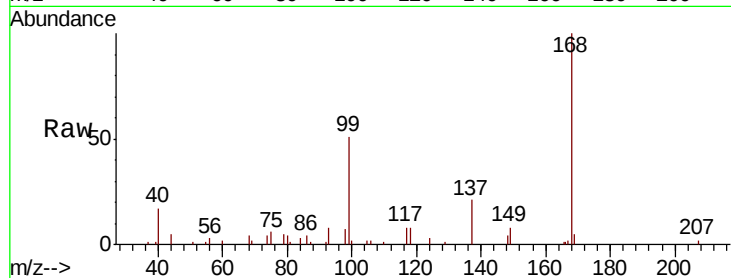
ClientSampleId :

Tot Ion:168 Resp: 33602

Ion Ratio Lower Upper

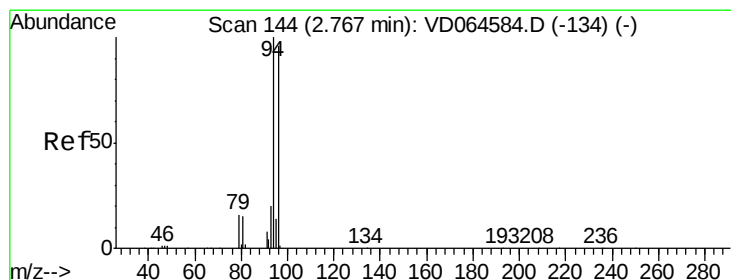
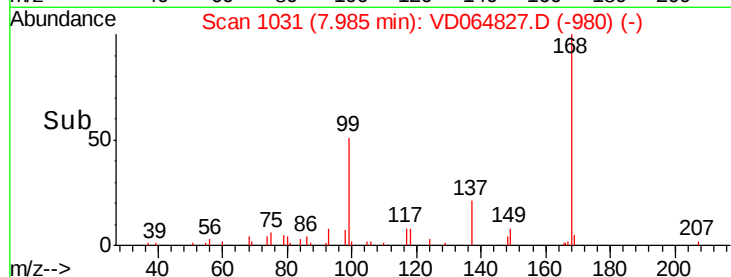
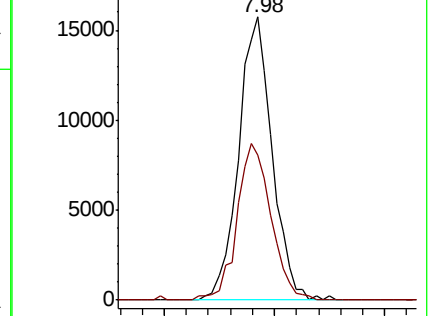
168 100

99 51.2 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: 2.122 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD064827.D

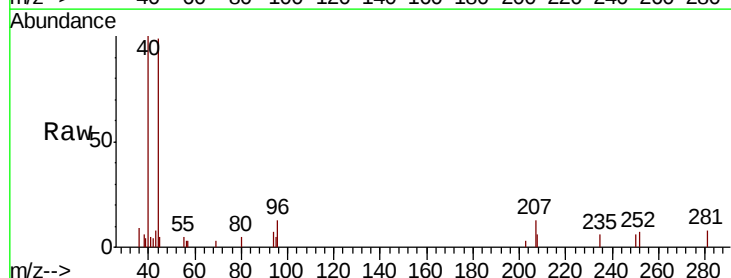
Acq: 09 Jan 2020 20:19

Tgt Ion: 94 Resp: 687

Ion Ratio Lower Upper

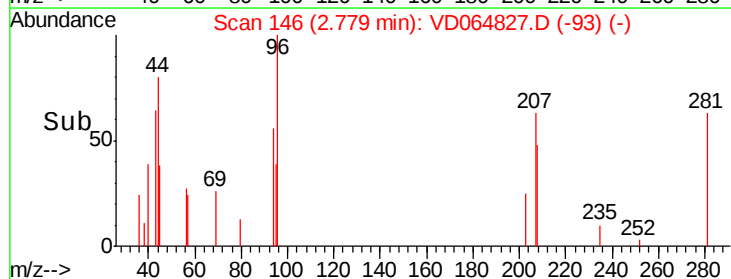
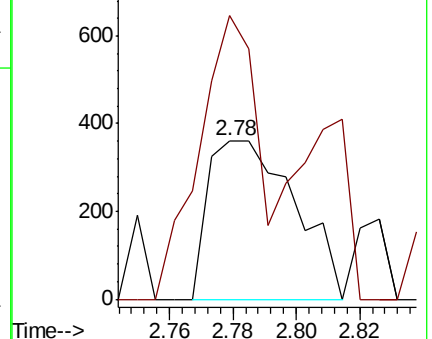
94 100

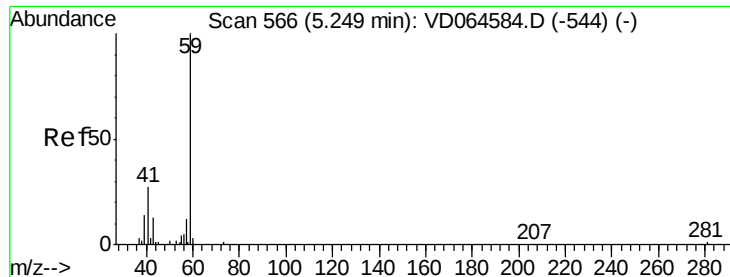
96 110.2 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

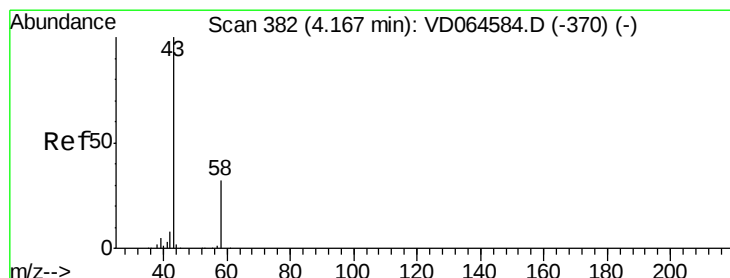
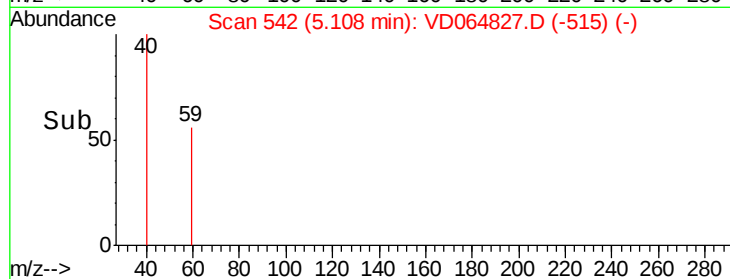
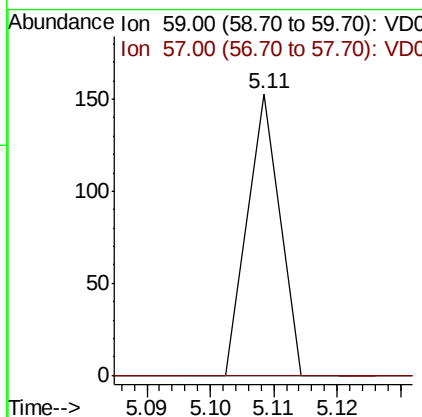
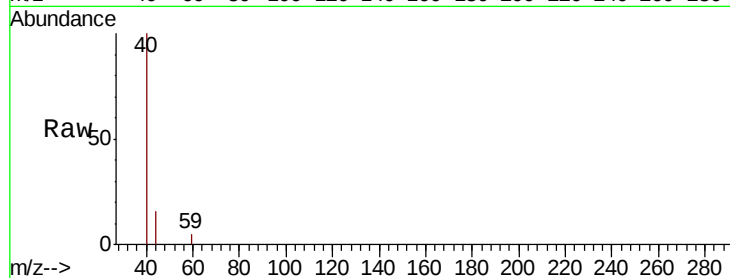




#11
Tert butyl alcohol
Concen: 3.180 ug/l
RT: 5.11 min Scan# 542
Delta R.T. -0.14 min
Lab File: VD064827.D
Acq: 09 Jan 2020 20:19

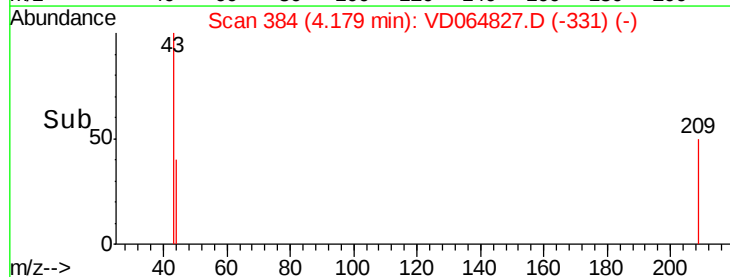
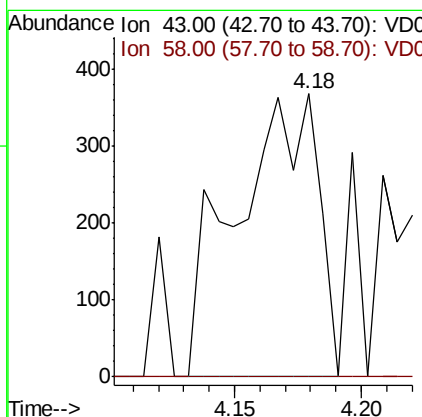
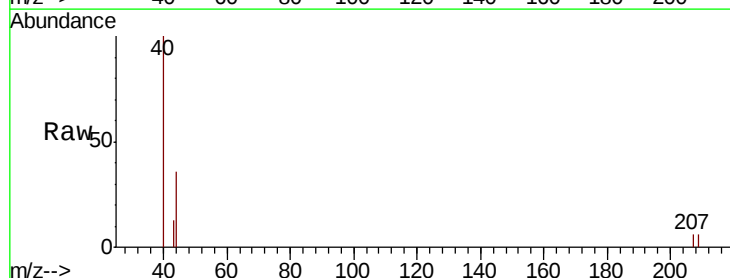
Instrument :
MSVOA_D
ClientSampleId :

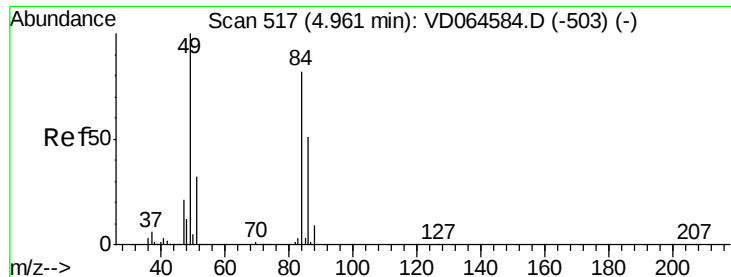
Tot Ion: 59 Resp: 54
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#



#16
Acetone
Concen: 15.955 ug/l
RT: 4.18 min Scan# 384
Delta R.T. 0.01 min
Lab File: VD064827.D
Acq: 09 Jan 2020 20:19

Tgt Ion: 43 Resp: 832
Ion Ratio Lower Upper
43 100
58 0.0 25.8 38.6#

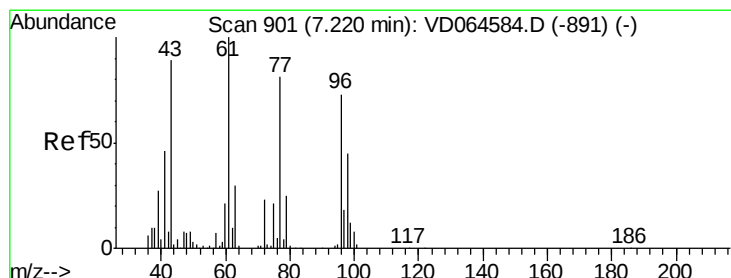
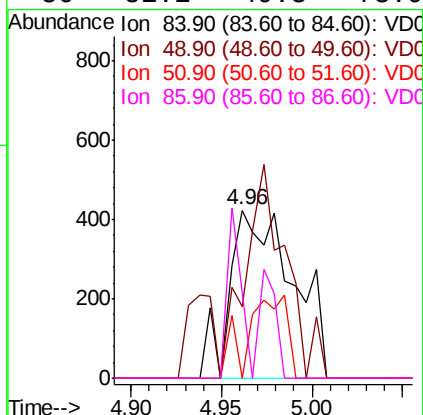
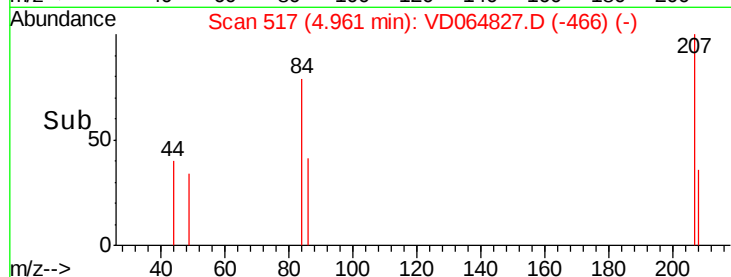
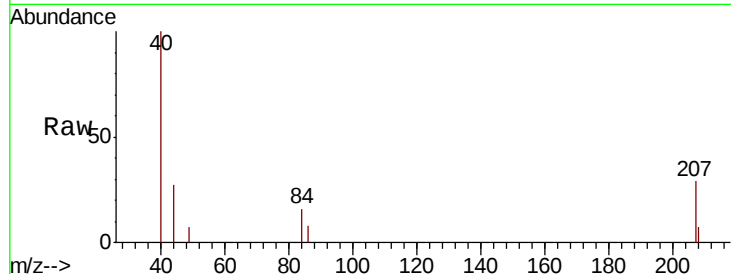




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064827.D
Acq: 09 Jan 2020 20:19

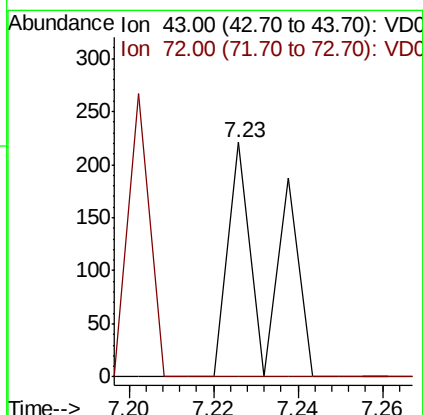
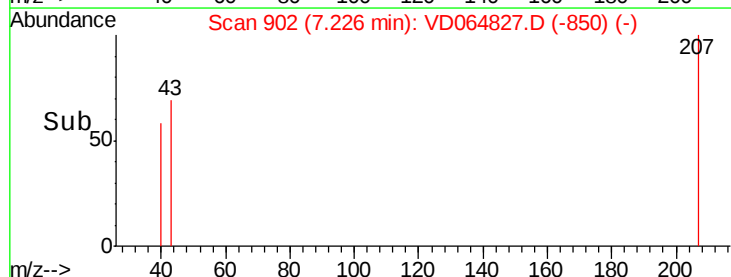
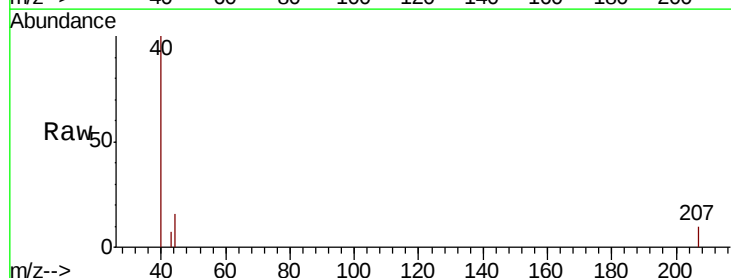
Instrument :
MSVOA_D
ClientSampleId :

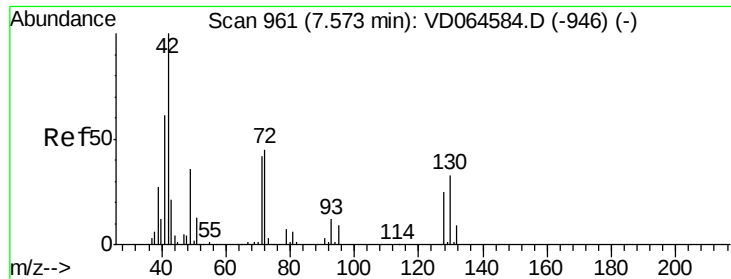
Tot Ion	Ratio	Lower	Upper
84	100		
49	43.0	97.2	145.8#
51	0.0	31.4	47.0#
86	51.1	49.3	73.9



#25
2-Butanone
Concen: 1.768 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD064827.D
Acq: 09 Jan 2020 20:19

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.7	31.1#

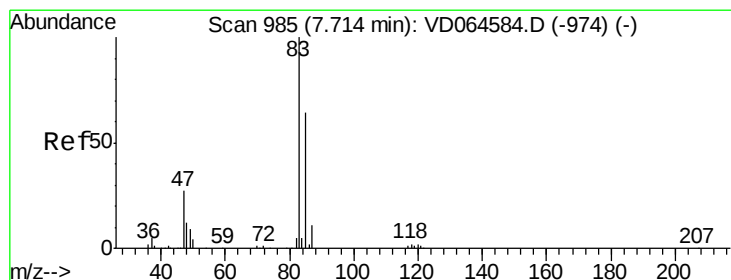
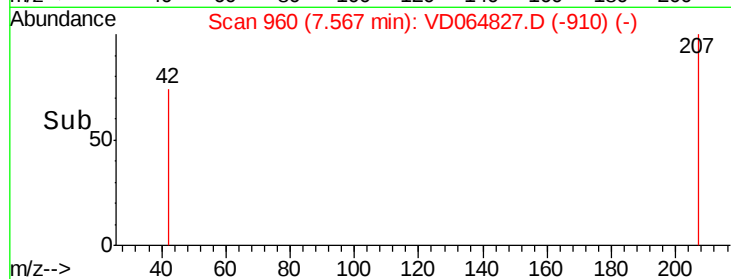
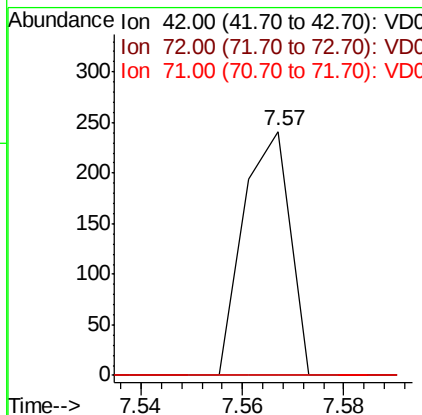
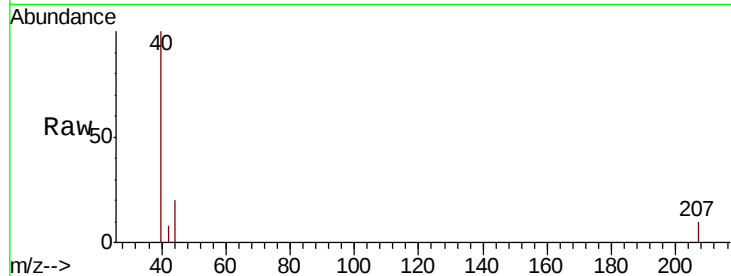




#29
Tetrahydrofuran
Concen: 3.041 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064827.D
Acq: 09 Jan 2020 20:19

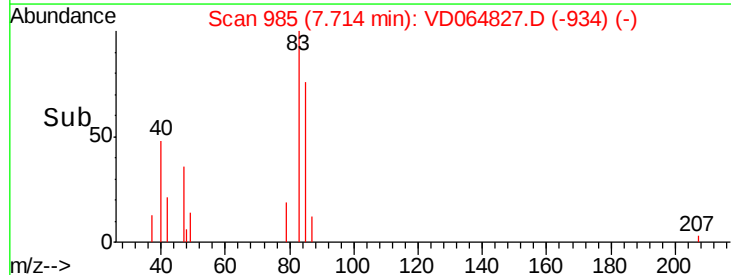
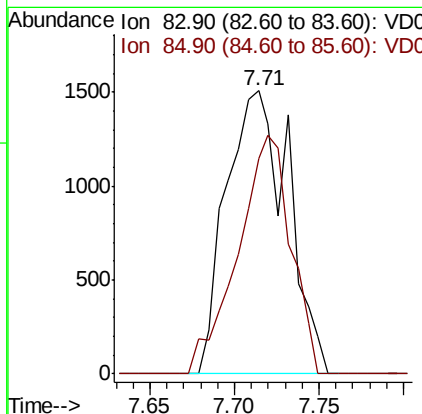
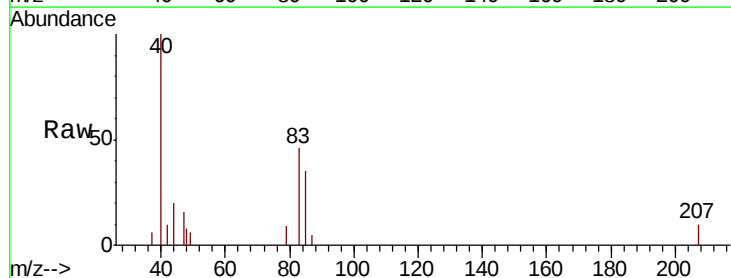
Instrument :
MSVOA_D
ClientSampled :

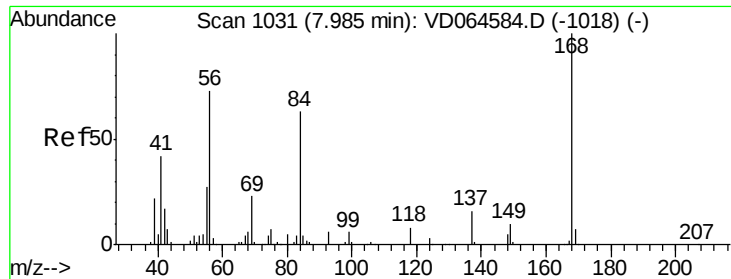
Tot Ion: 42 Resp: 154
Ion Ratio Lower Upper
42 100
72 0.0 35.0 52.4#
71 0.0 32.9 49.3#



#30
Chloroform
Concen: 6.644 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064827.D
Acq: 09 Jan 2020 20:19

Tgt Ion: 83 Resp: 3847
Ion Ratio Lower Upper
83 100
85 76.3 51.1 76.7

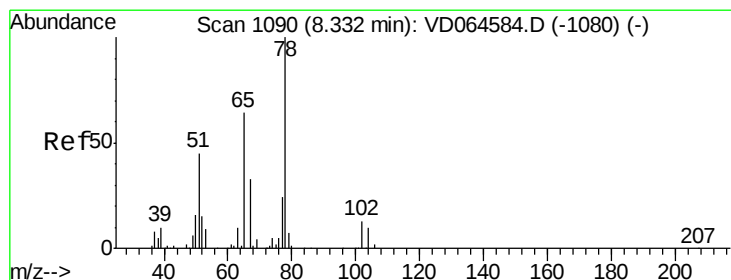
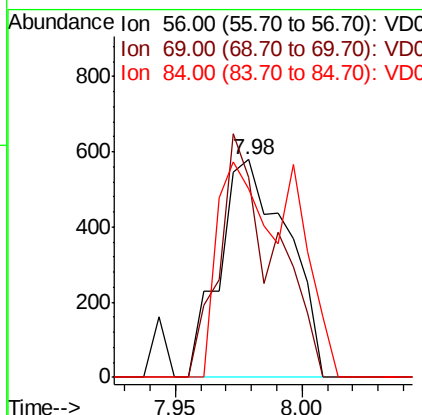
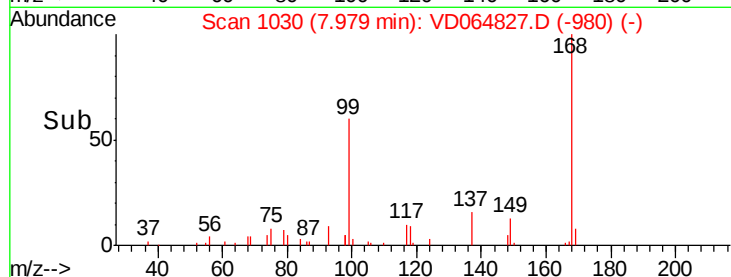
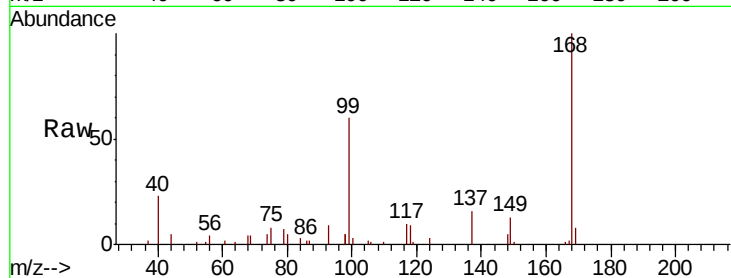




#31
Cyclohexane
Concen: 1.964 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064827.D
Acq: 09 Jan 2020 20:19

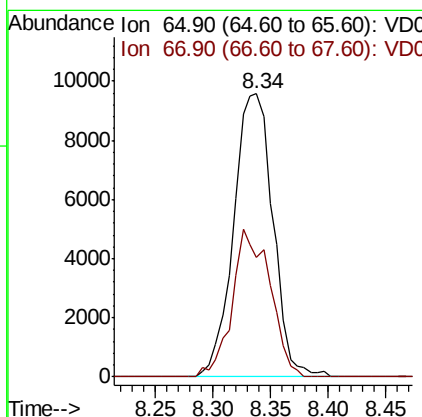
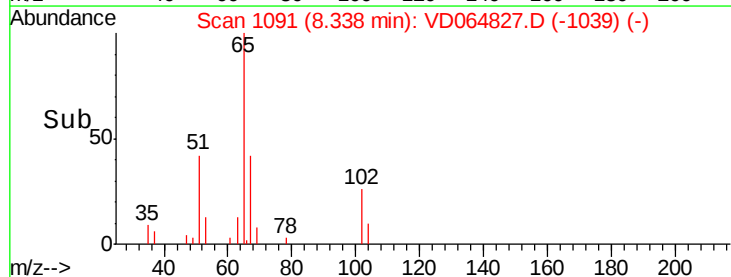
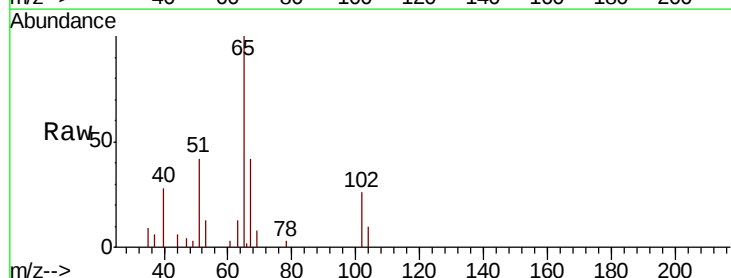
Instrument :
MSVOA_D
ClientSampled :

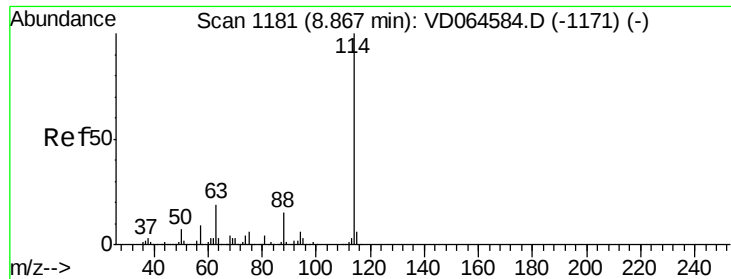
Tot Ion: 56 Resp: 1085
Ion Ratio Lower Upper
56 100
69 91.6 24.7 37.1#
84 86.4 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 76.258 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD064827.D
Acq: 09 Jan 2020 20:19

Tgt Ion: 65 Resp: 22595
Ion Ratio Lower Upper
65 100
67 50.2 0.0 106.2

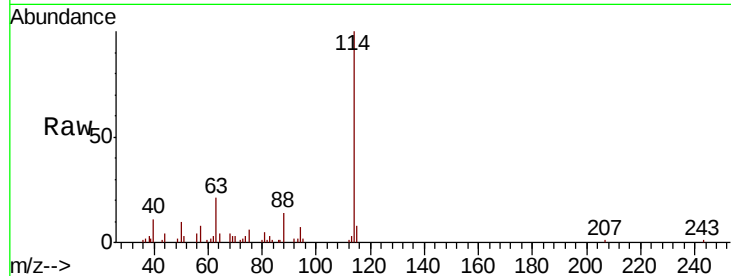




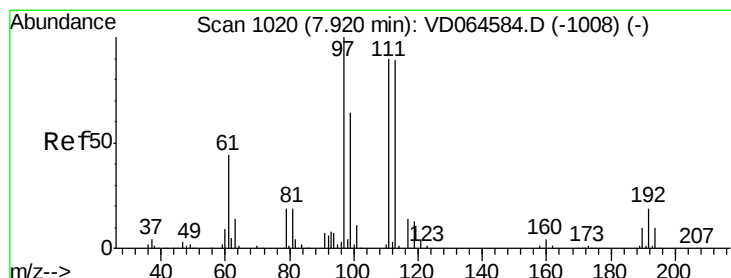
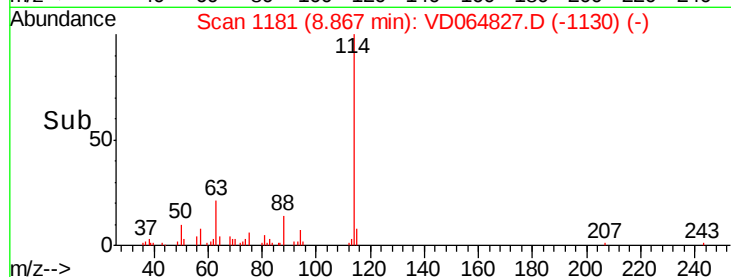
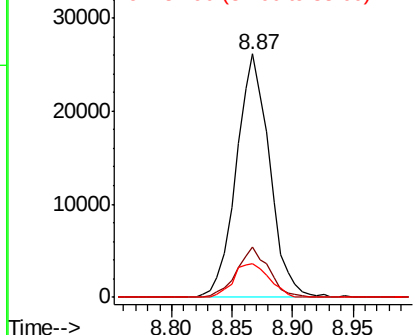
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD064827.D
Acq: 09 Jan 2020 20:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 50164
Ion Ratio Lower Upper
114 100
63 20.7 0.0 38.0
88 13.9 0.0 29.2

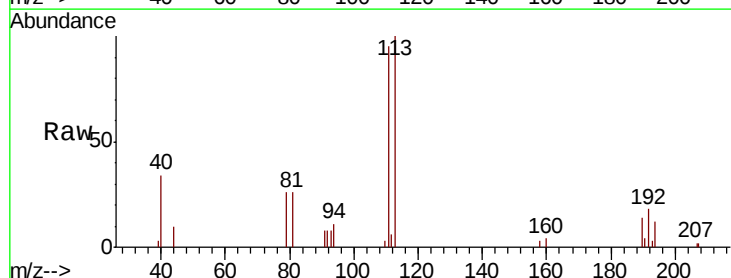


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

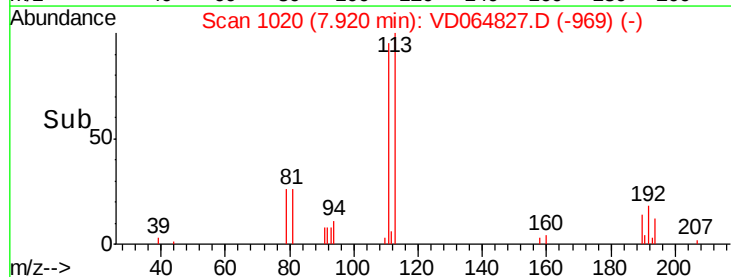
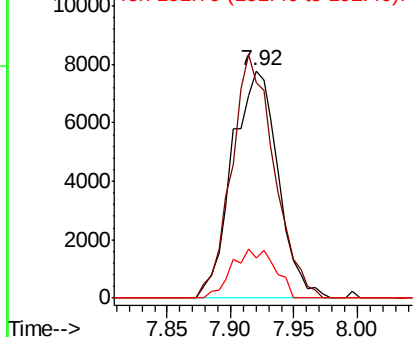


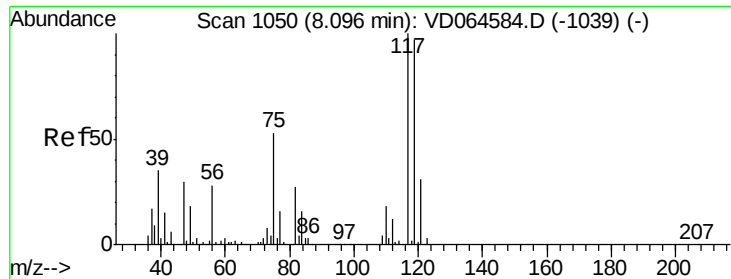
#35
Dibromofluoromethane
Concen: 63.584 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064827.D
Acq: 09 Jan 2020 20:19

Tgt Ion:113 Resp: 19569
Ion Ratio Lower Upper
113 100
111 99.6 80.6 121.0
192 20.1 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 6.503 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.11 min

Lab File: VD064827.D

Acq: 09 Jan 2020 20:19

Instrument :

MSVOA_D

ClientSampleId :

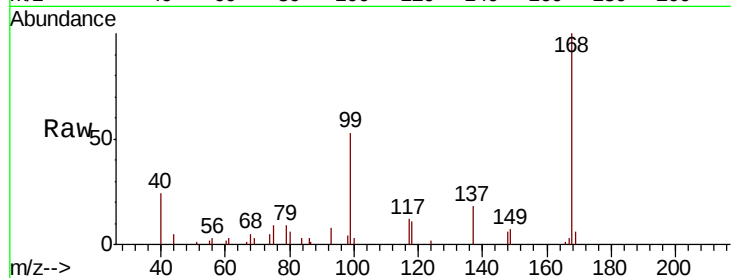
Tot Ion:117 Resp: 3348

Ion Ratio Lower Upper

117 100

119 0.0 77.3 115.9#

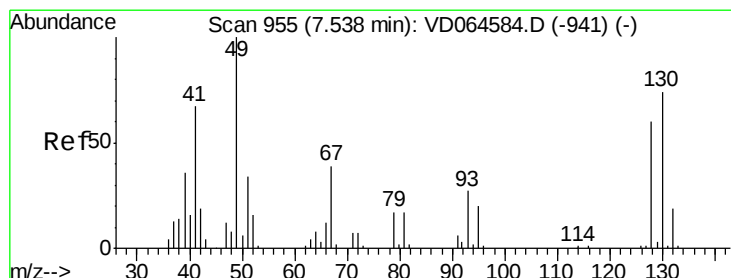
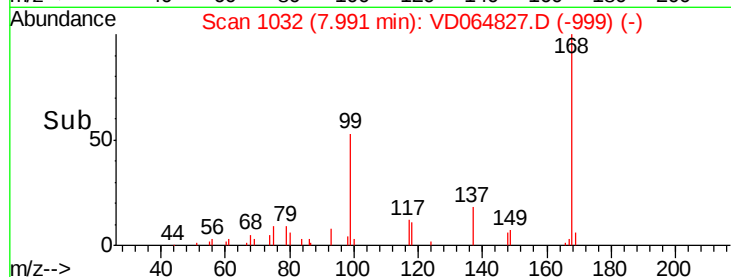
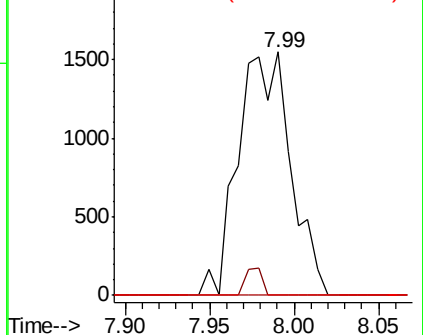
121 0.0 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 1.027 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.00 min

Lab File: VD064827.D

Acq: 09 Jan 2020 20:19

Tgt Ion: 41 Resp: 113

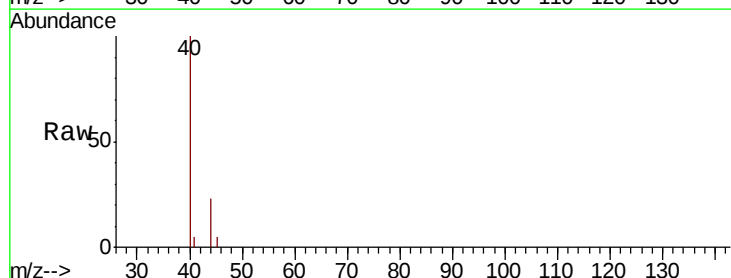
Ion Ratio Lower Upper

41 100

39 53.1 46.7 70.1

67 0.0 52.5 78.7#

52 0.0 24.1 36.1#

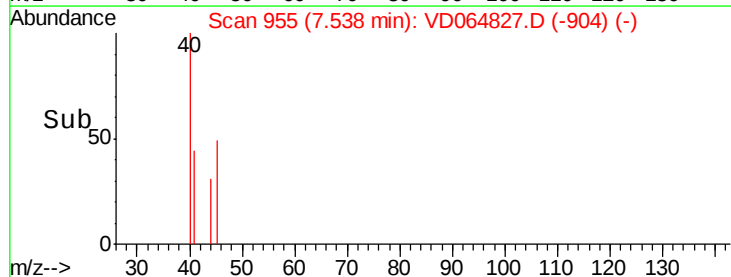
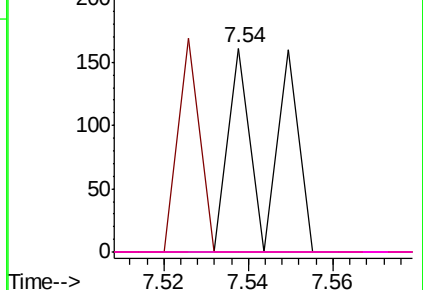


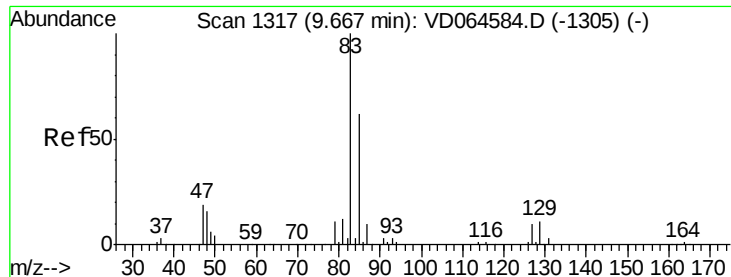
Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC





#47

Bromodichloromethane

Concen: 1.356 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064827.D

Acq: 09 Jan 2020 20:19

Instrument :

MSVOA_D

ClientSampleId :

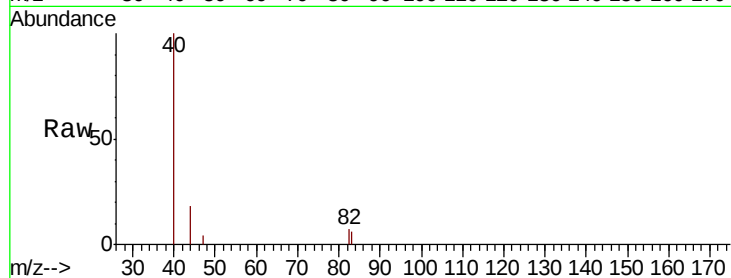
Tot Ion: 83 Resp: 633

Ion Ratio Lower Upper

83 100

85 0.0 49.5 74.3#

127 0.0 7.8 11.6#



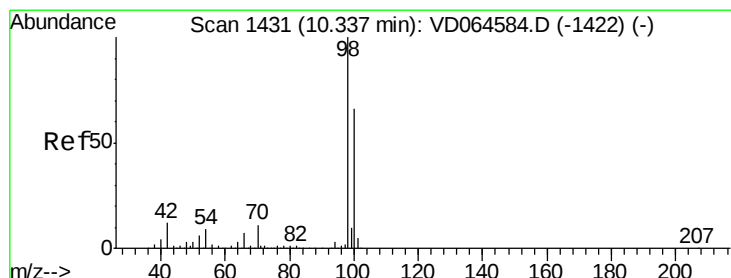
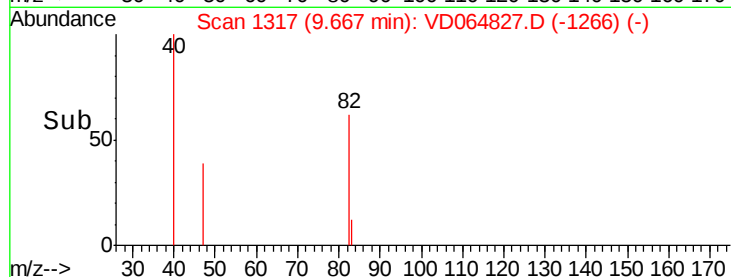
Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 126.80 (126.50 to 127.50): VDC

9.67

Time--> 9.62 9.64 9.66 9.68 9.70



#50

Toluene-d8

Concen: 50.808 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD064827.D

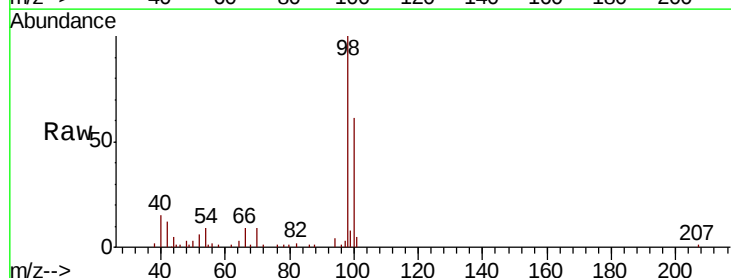
Acq: 09 Jan 2020 20:19

Tgt Ion: 98 Resp: 59888

Ion Ratio Lower Upper

98 100

100 65.3 51.7 77.5

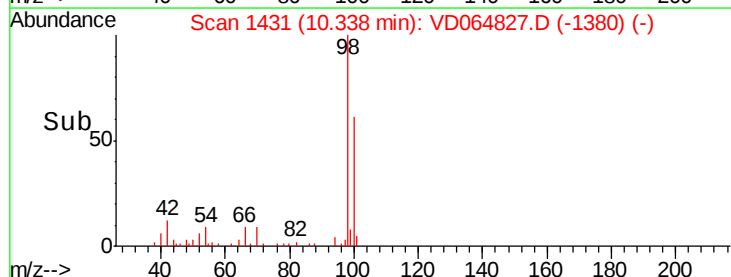


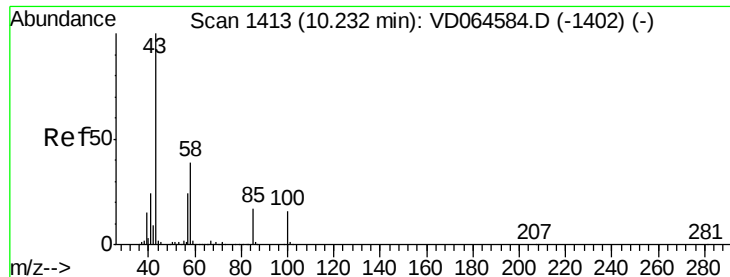
Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

Time--> 10.30 10.40





#51

4-Methyl-2-Pentanone

Concen: 1.645 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064827.D

Acq: 09 Jan 2020 20:19

Instrument :

MSVOA_D

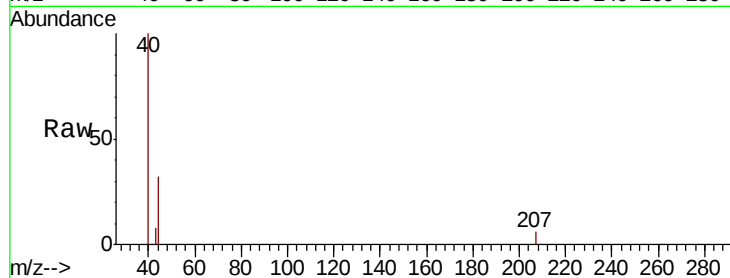
ClientSampleId :

Tot Ion: 43 Resp: 307

Ion Ratio Lower Upper

43 100

58 0.0 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

250

200

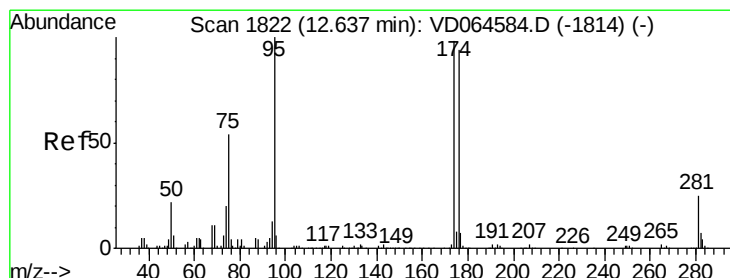
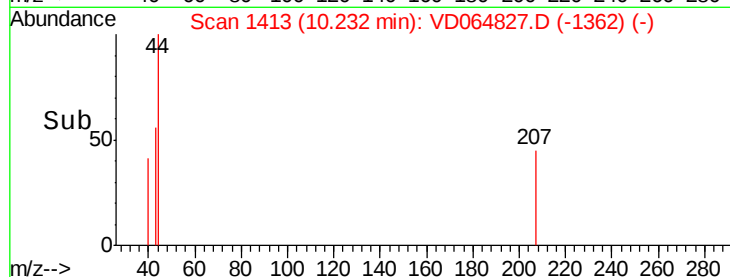
150

100

50

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.326 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064827.D

Acq: 09 Jan 2020 20:19

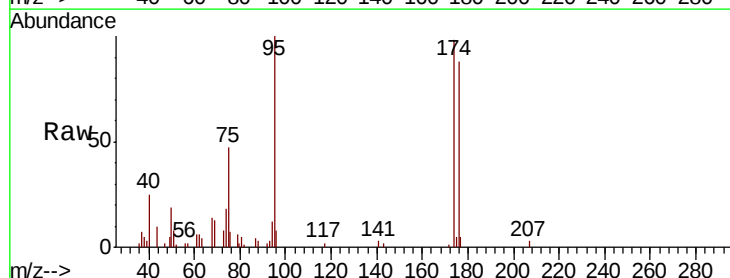
Tgt Ion: 95 Resp: 19503

Ion Ratio Lower Upper

95 100

174 93.8 0.0 193.2

176 91.0 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

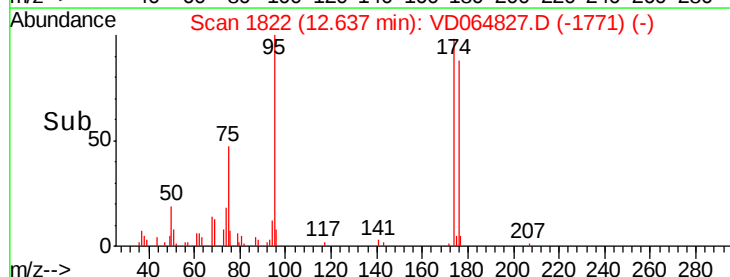
15000

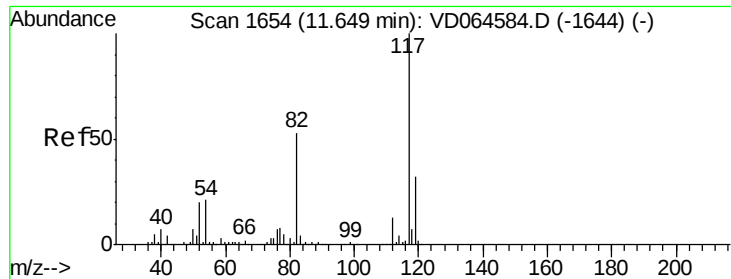
10000

5000

0

Time-->

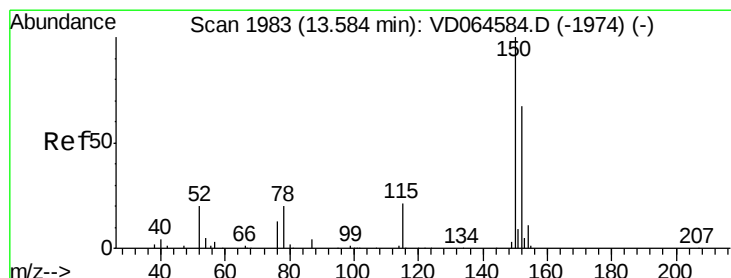
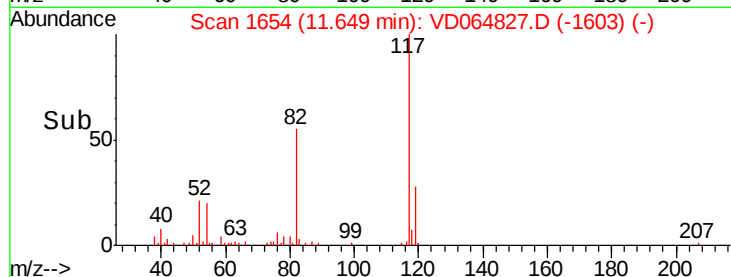
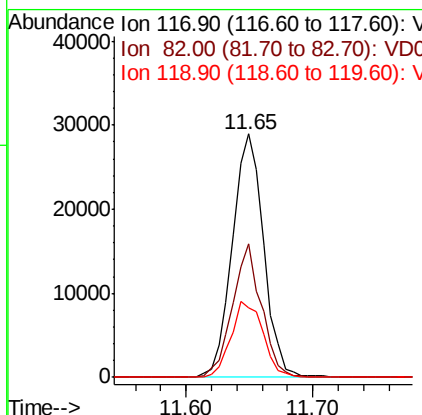
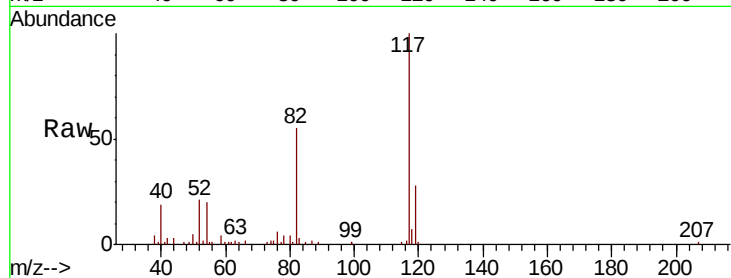




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064827.D
Acq: 09 Jan 2020 20:19

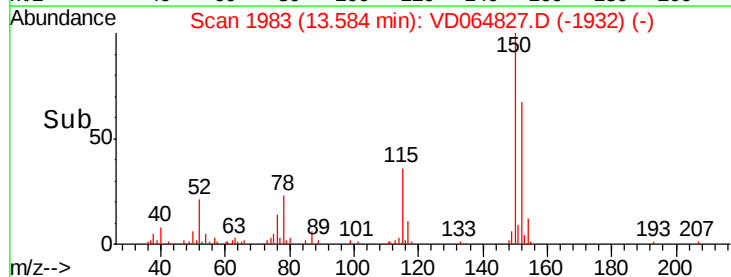
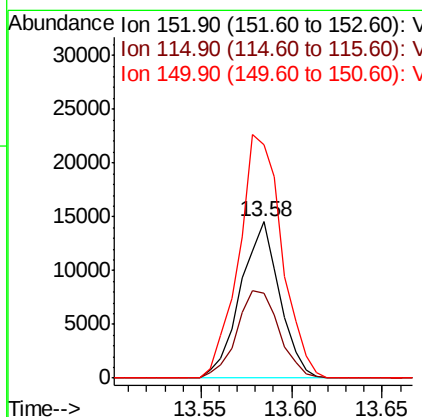
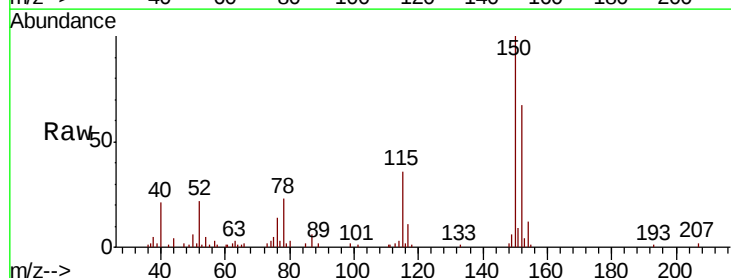
Instrument :
MSVOA_D
ClientSampleId :

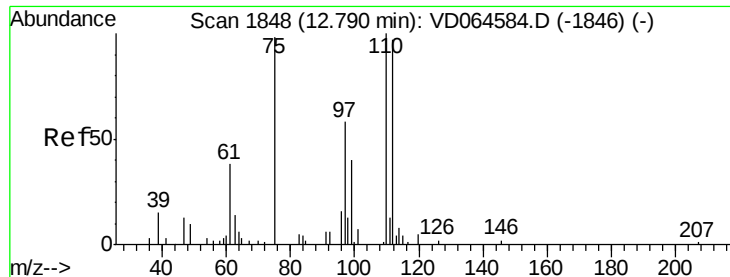
Tot Ion:117 Resp: 49305
Ion Ratio Lower Upper
117 100
82 54.7 42.2 63.4
119 28.4 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064827.D
Acq: 09 Jan 2020 20:19

Tgt Ion:152 Resp: 21873
Ion Ratio Lower Upper
152 100
115 60.5 27.8 83.4
150 170.4 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 57.838 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064827.D

Acq: 09 Jan 2020 20:19

Instrument :

MSVOA_D

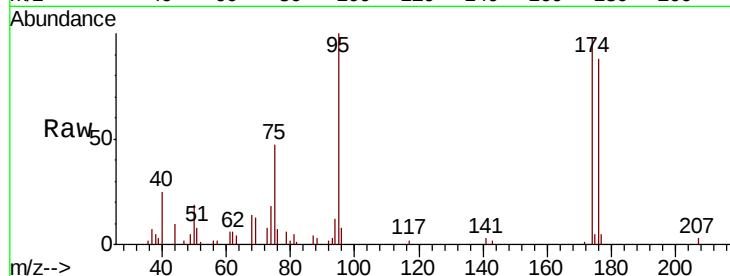
ClientSampleId :

Tot Ion: 75 Resp: 9990

Ion Ratio Lower Upper

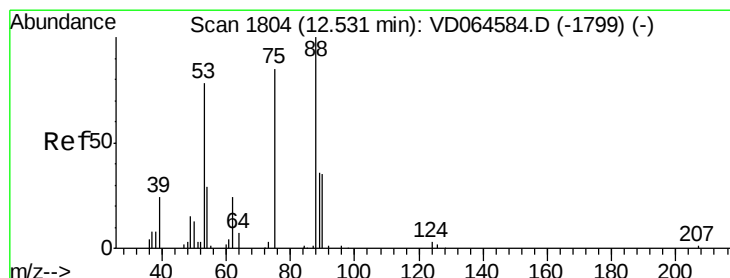
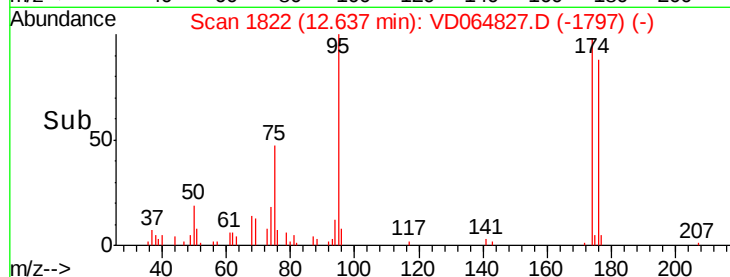
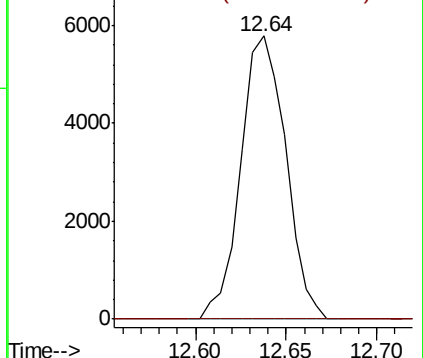
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 120.967 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064827.D

Acq: 09 Jan 2020 20:19

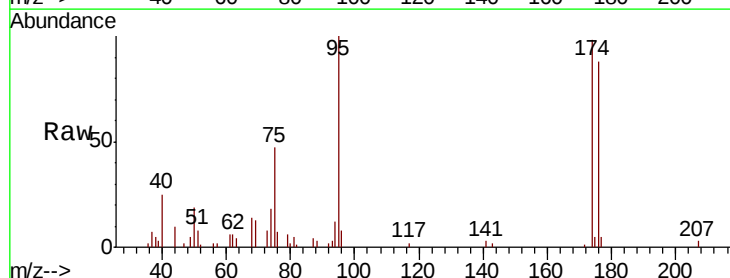
Tgt Ion: 75 Resp: 9990

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

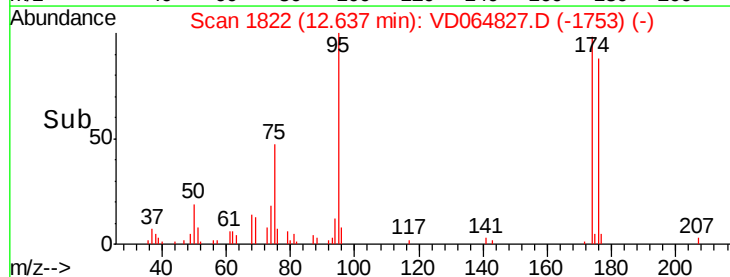
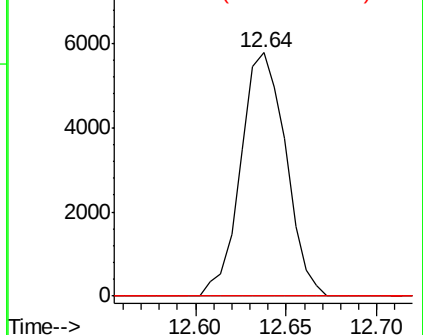
89 0.0 38.3 57.5#

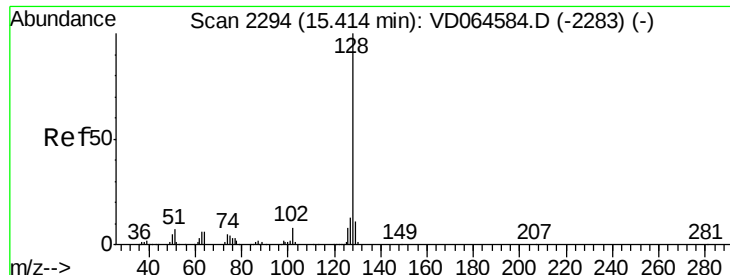


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 1.158 ug/l

RT: 15.42 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VD064827.D

Acq: 09 Jan 2020 20:19

Instrument :

MSVOA_D

ClientSampleId :

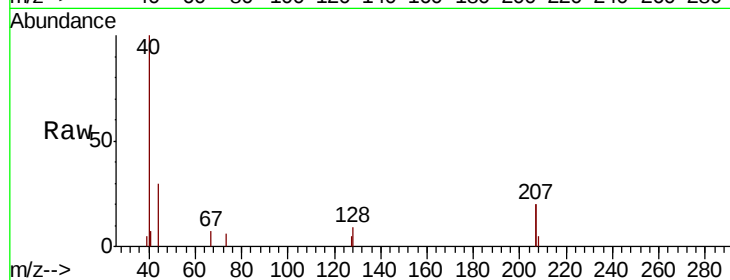
Tot Ion:128 Resp: 842

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

