

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120420\
 Data File : VD067885.D
 Acq On : 04 Dec 2020 15:04
 Operator : VA/SY
 Sample : L4952-01
 Misc : 6.71G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-275

Quant Time: Dec 04 23:50:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	240952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	333823	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	286838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	140058	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	114630	44.31	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.62%
35) Dibromofluoromethane	7.92	113	97233	43.53	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.06%
50) Toluene-d8	10.34	98	370281	46.05	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.10%
62) 4-Bromofluorobenzene	12.64	95	116473	41.90	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	83.80%

Target Compounds

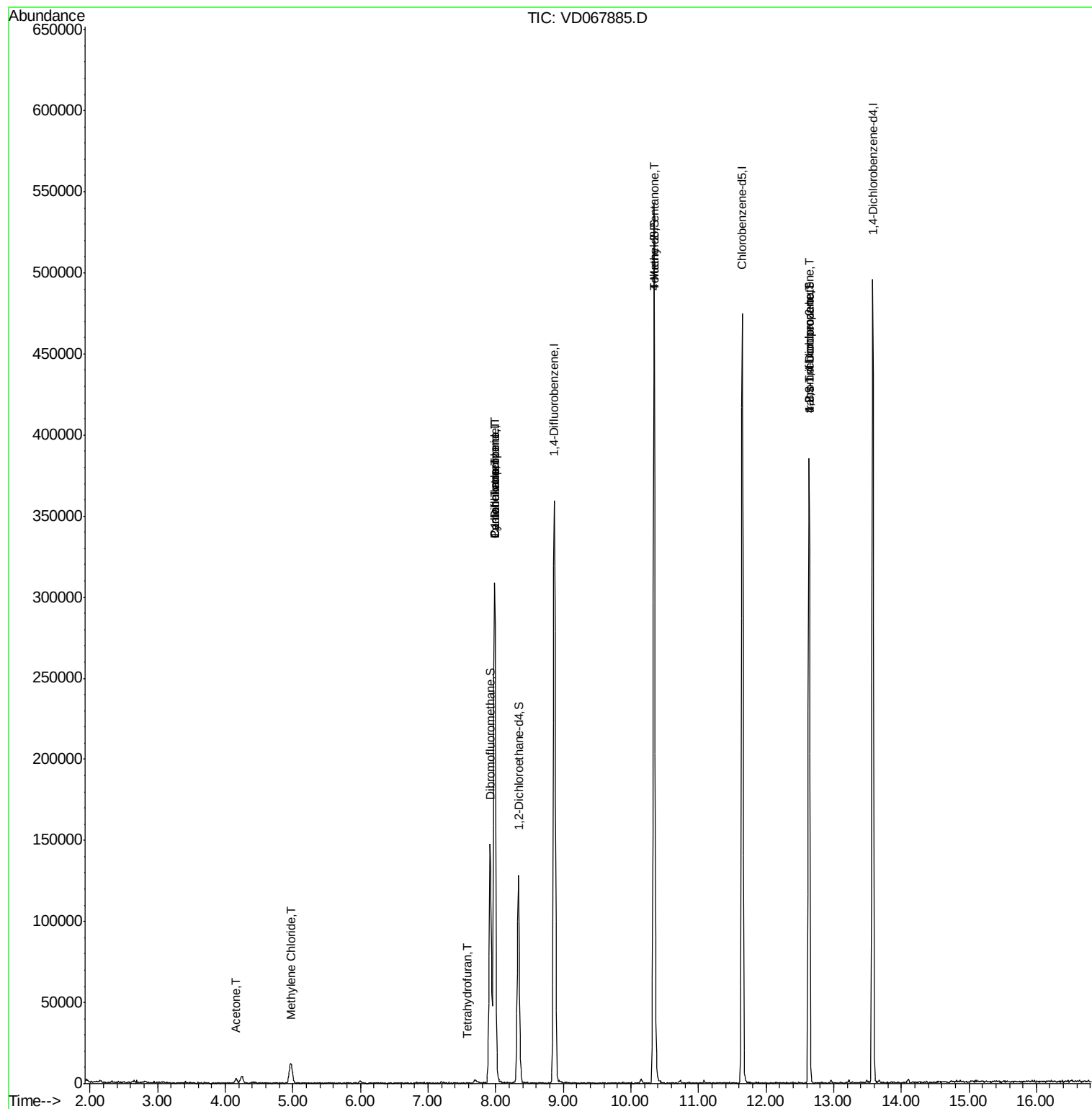
					Qvalue
11) Tert butyl alcohol	5.21	59	139	Below Cal	# 74
16) Acetone	4.16	43	4937	15.446	ug/l 96
18) Methyl Acetate	4.73	43	53	Below Cal	# 41
20) Methylene Chloride	4.98	84	10763	1.189	ug/l # 86
29) Tetrahydrofuran	7.58	42	228	1.191	ug/l # 39
31) Cyclohexane	7.98	56	4599	1.688	ug/l # 23
36) 1,1-Dichloropropene	7.98	75	16303	5.641	ug/l # 49
38) Carbon Tetrachloride	7.98	117	24606	5.627	ug/l # 15
41) Methacrylonitrile	7.54	41	53	Below Cal	# 14
51) 4-Methyl-2-Pentanone	10.34	43	1354	1.867	ug/l # 1
76) 1,2,3-Trichloropropane	12.64	75	64942	63.672	ug/l # 1
81) trans-1,4-Dichloro-2-buten	12.64	75	64942	152.309	ug/l # 7

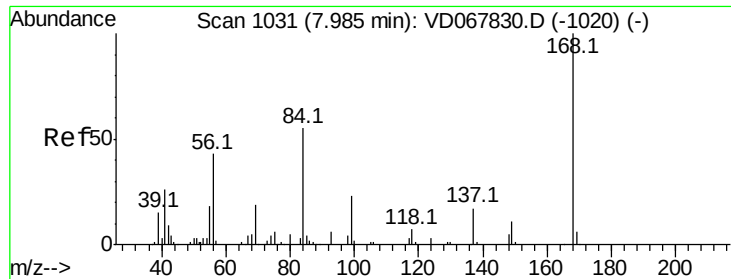
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120420\
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Quant Time: Dec 04 23:50:19 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 02 08:05:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067885.D

Acq: 04 Dec 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

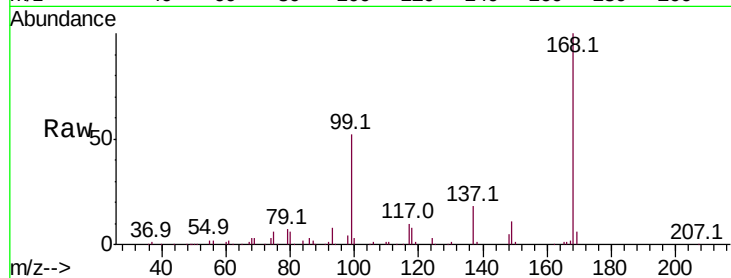
RO-275

Tot Ion:168 Resp: 240952

Ion Ratio Lower Upper

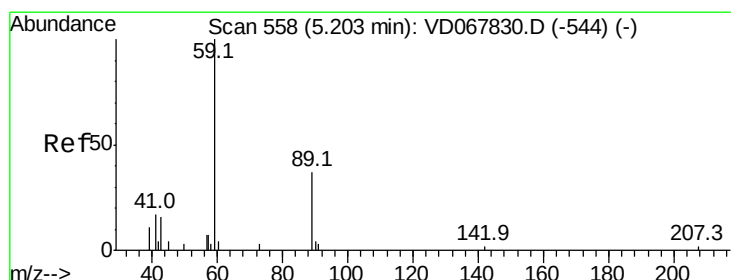
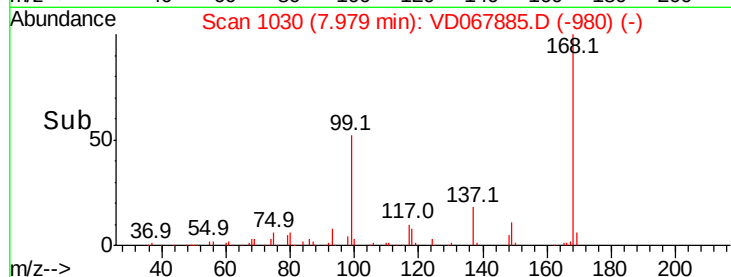
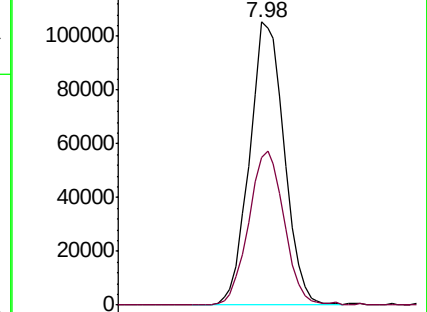
168 100

99 52.0 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD067885.D

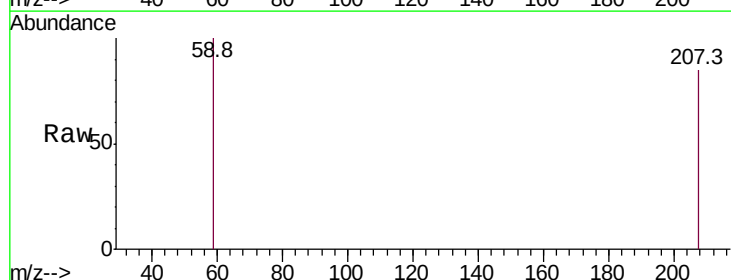
Acq: 04 Dec 2020 15:04

Tgt Ion: 59 Resp: 139

Ion Ratio Lower Upper

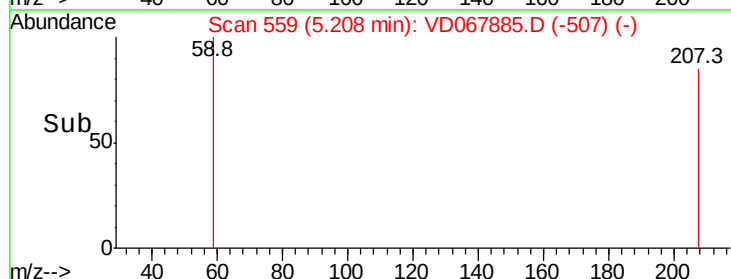
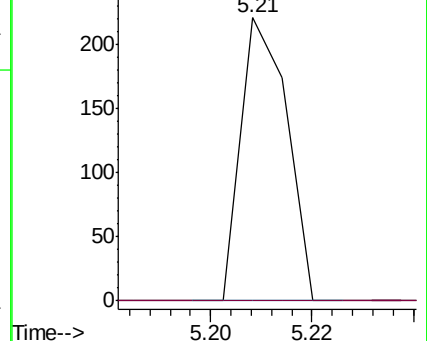
59 100

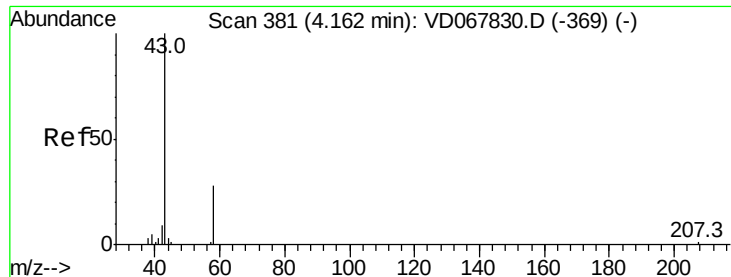
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 15.446 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD067885.D

Acq: 04 Dec 2020 15:04

Instrument :

MSVOA_D

ClientSampled :

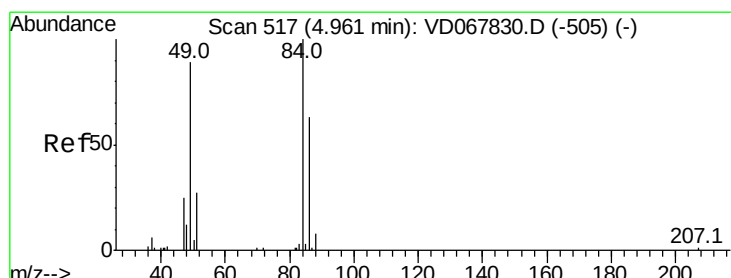
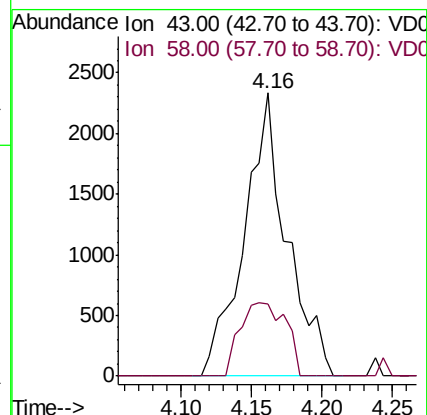
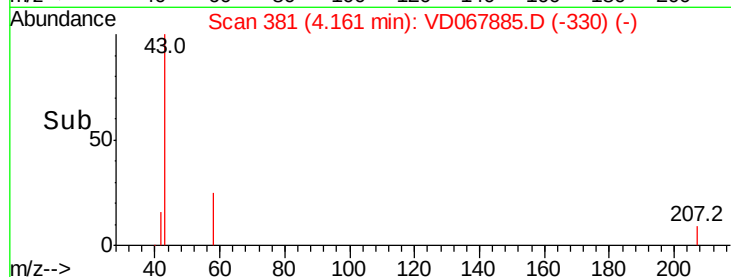
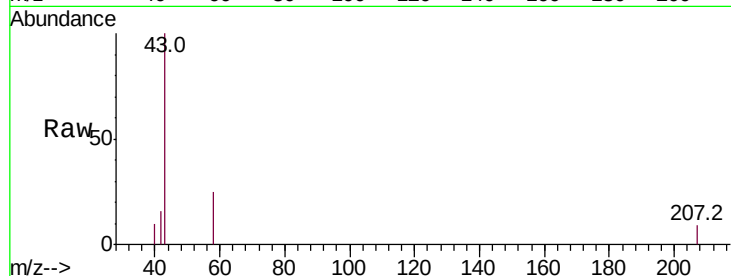
RO-275

Tot Ion: 43 Resp: 4937

Ion Ratio Lower Upper

43 100

58 25.4 21.9 32.9



#20

Methylene Chloride

Concen: 1.189 ug/l

RT: 4.98 min Scan# 520

Delta R.T. 0.02 min

Lab File: VD067885.D

Acq: 04 Dec 2020 15:04

Tgt Ion: 84 Resp: 10763

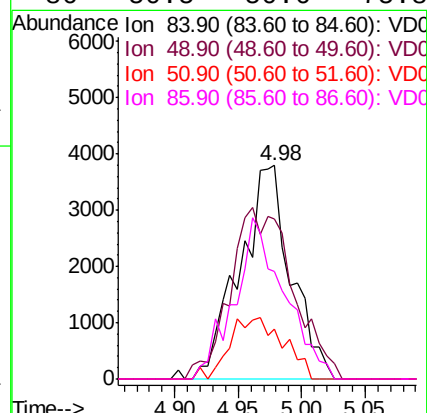
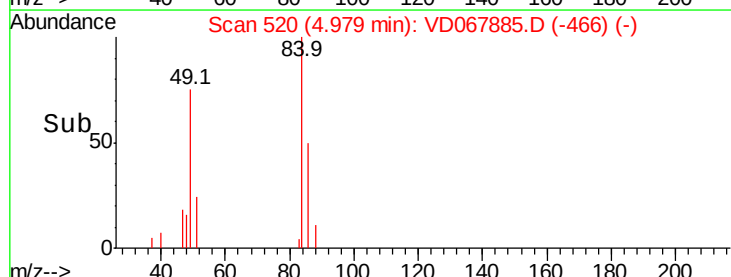
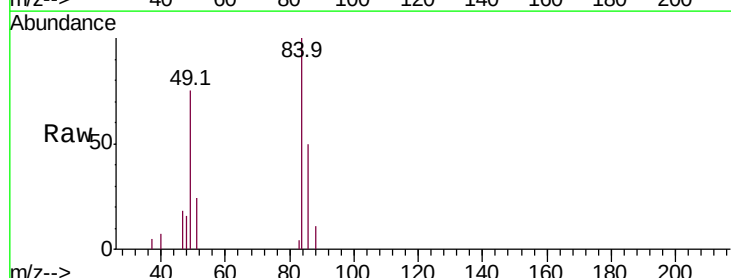
Ion Ratio Lower Upper

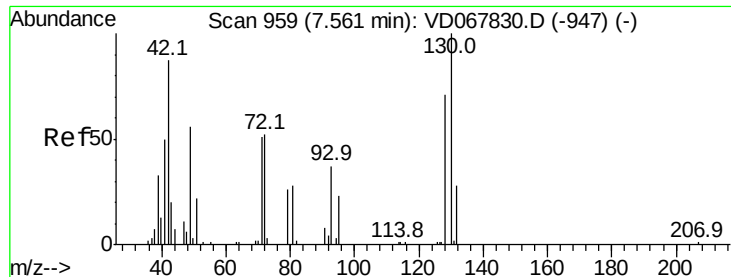
84 100

49 74.8 71.4 107.0

51 23.7 21.8 32.8

86 50.5 50.6 75.8#

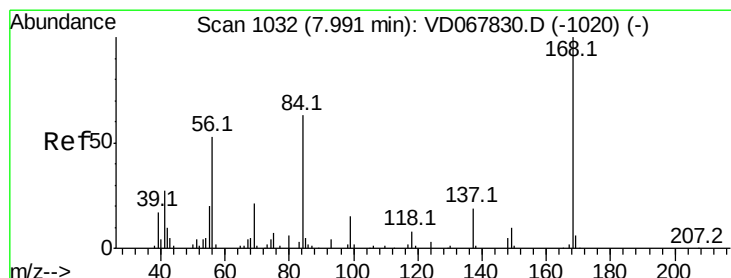
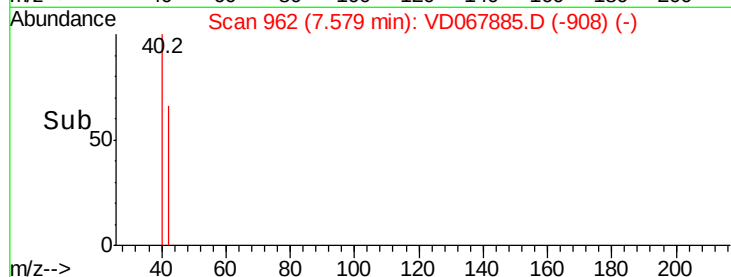
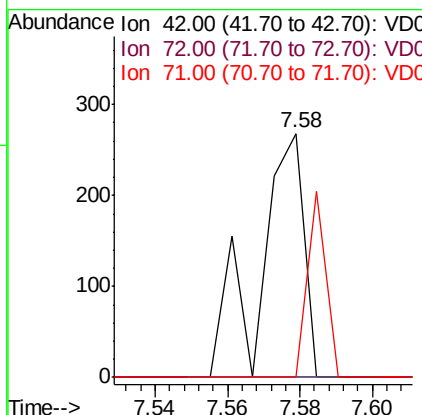
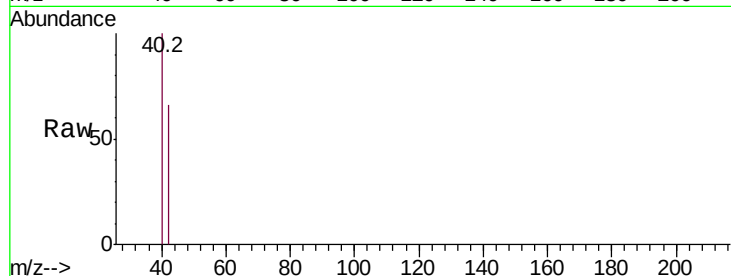




#29
Tetrahydrofuran
Concen: 1.191 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.02 min
Lab File: VD067885.D
Acq: 04 Dec 2020 15:04

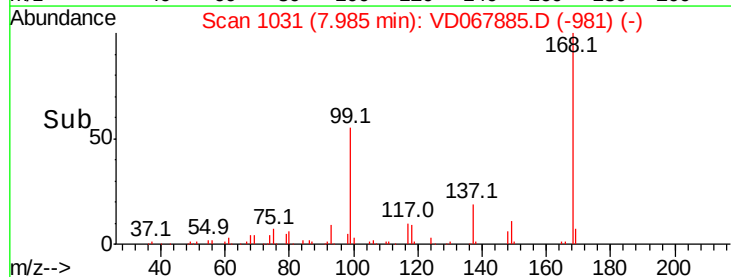
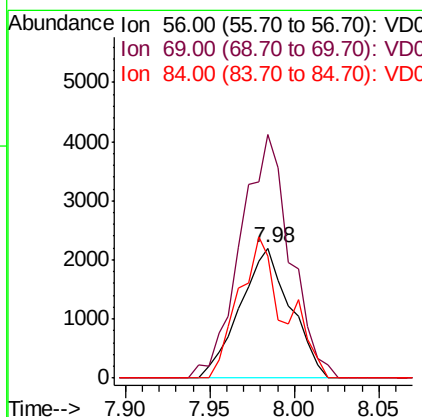
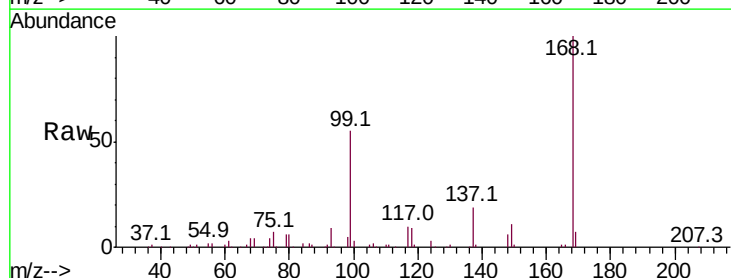
Instrument :
MSVOA_D
ClientSampleId :
RO-275

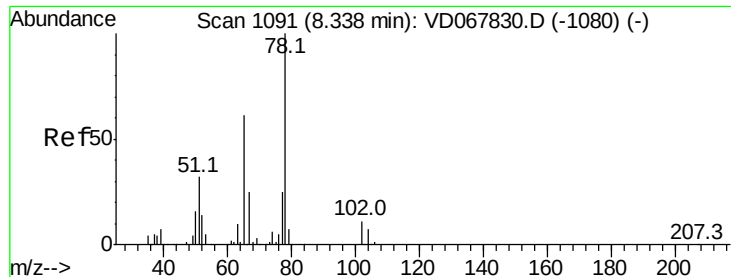
Tot Ion: 42 Resp: 228
Ion Ratio Lower Upper
42 100
72 0.0 51.9 77.9#
71 31.6 48.2 72.4#



#31
Cyclohexane
Concen: 1.688 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067885.D
Acq: 04 Dec 2020 15:04

Tgt Ion: 56 Resp: 4599
Ion Ratio Lower Upper
56 100
69 187.0 32.1 48.1#
84 93.3 93.2 139.8

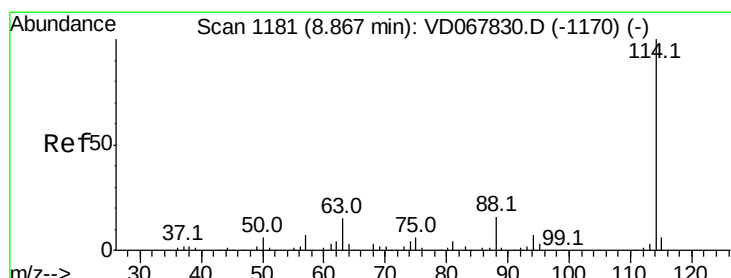
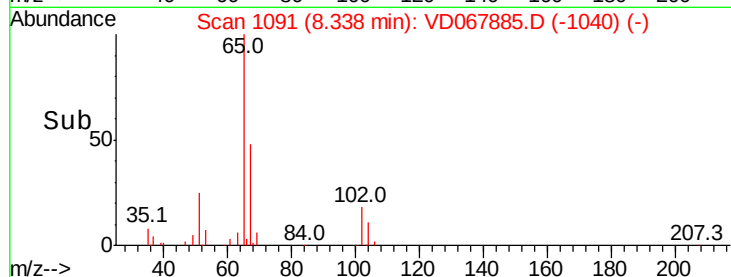
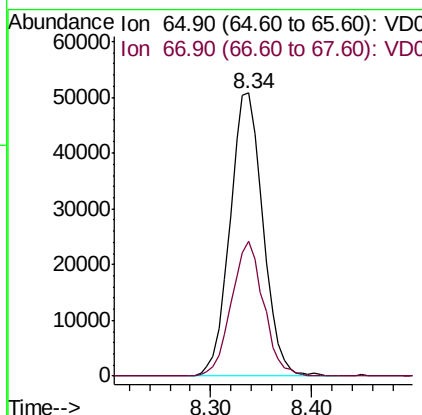
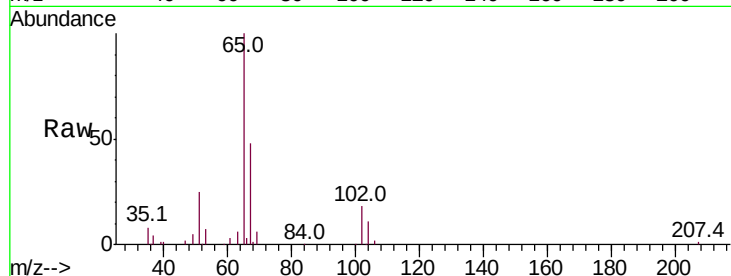




#33
 1,2-Dichloroethane-d4
 Concen: 44.315 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067885.D
 Acq: 04 Dec 2020 15:04

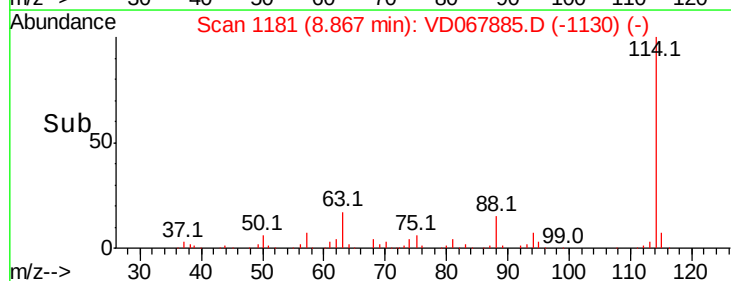
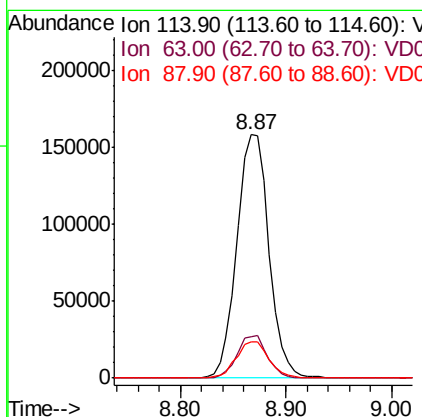
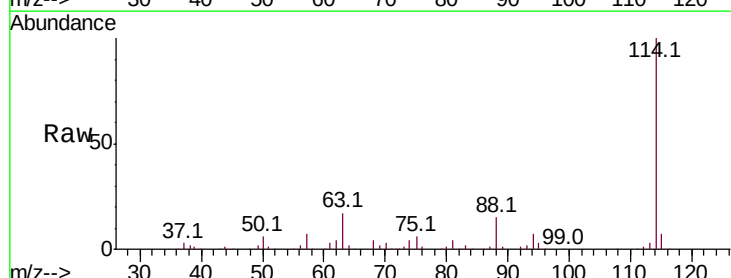
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-275

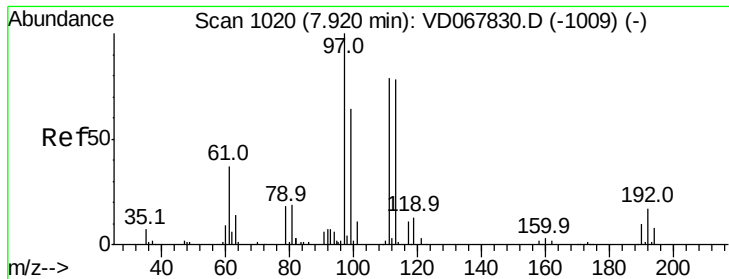
Tot Ion: 65 Resp: 114630
 Ion Ratio Lower Upper
 65 100
 67 46.4 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD067885.D
 Acq: 04 Dec 2020 15:04

Tgt Ion: 114 Resp: 333823
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 30.8
 88 14.9 0.0 31.8

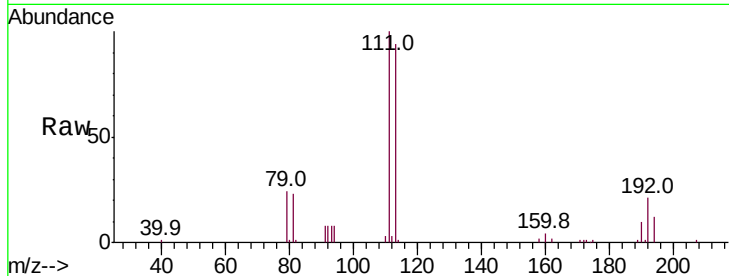




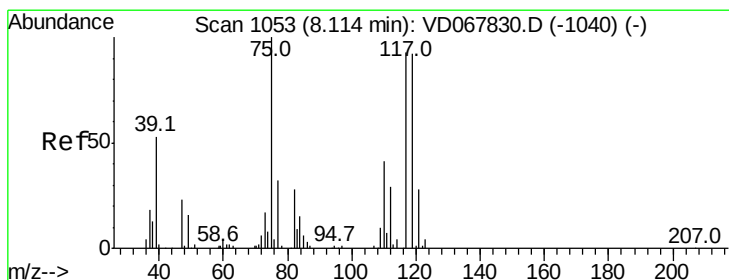
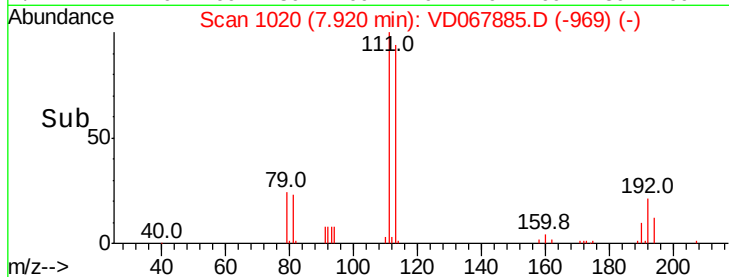
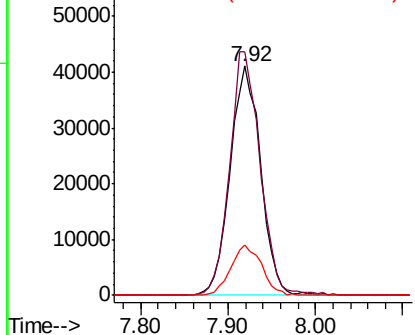
#35
 Dibromofluoromethane
 Concen: 43.529 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067885.D
 Acq: 04 Dec 2020 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-275

Tot Ion:113 Resp: 97233
 Ion Ratio Lower Upper
 113 100
 111 106.1 81.2 121.8
 192 22.2 16.8 25.2

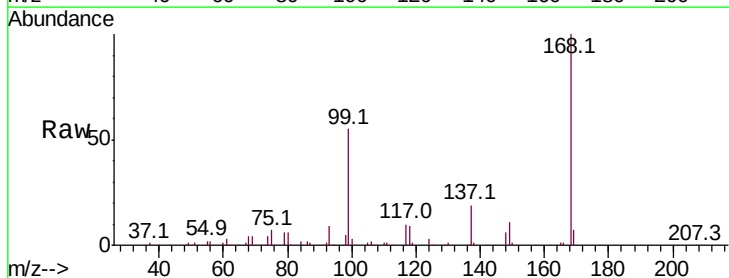


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

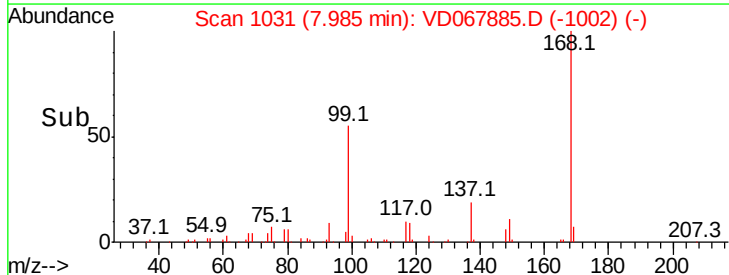
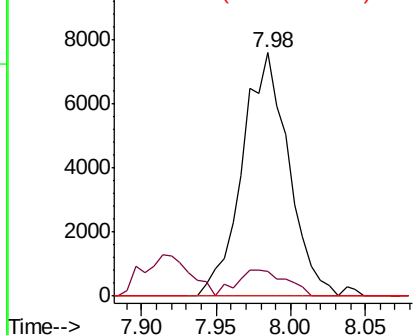


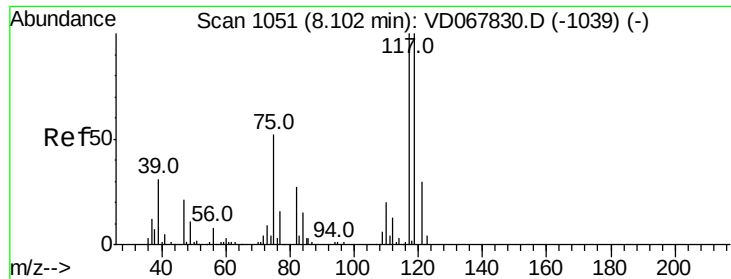
#36
 1,1-Dichloropropene
 Concen: 5.641 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067885.D
 Acq: 04 Dec 2020 15:04

Tgt Ion: 75 Resp: 16303
 Ion Ratio Lower Upper
 75 100
 110 11.3 20.3 61.0#
 77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC





#38

Carbon Tetrachloride

Concen: 5.627 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067885.D

Acq: 04 Dec 2020 15:04

Instrument :

MSVOA_D

ClientSampled :

RO-275

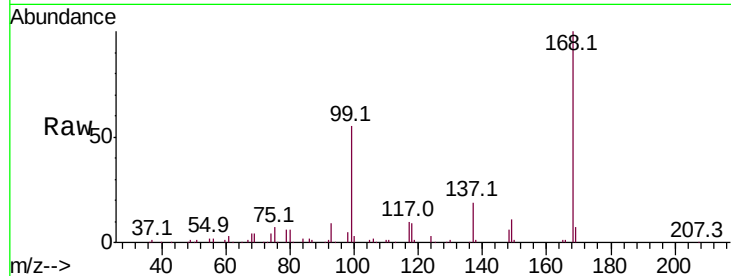
Tot Ion:117 Resp: 24606

Ion Ratio Lower Upper

117 100

119 6.1 79.7 119.5#

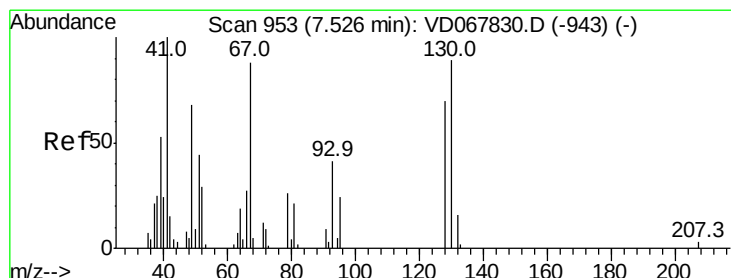
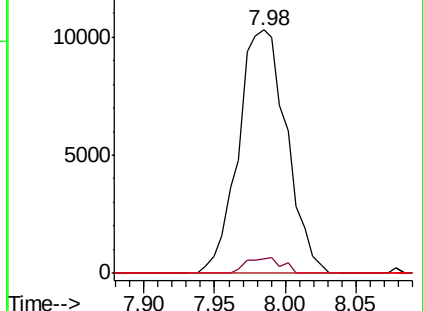
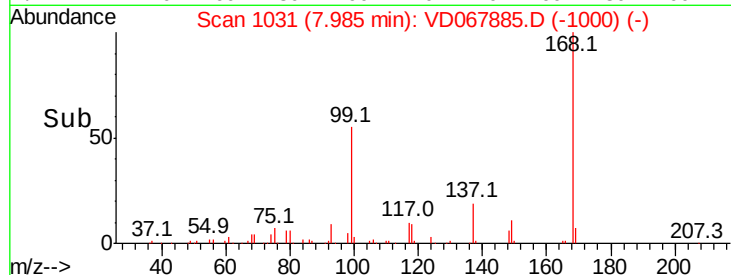
121 0.0 23.8 35.6#



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: Below Cal

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD067885.D

Acq: 04 Dec 2020 15:04

Tgt Ion: 41 Resp: 53

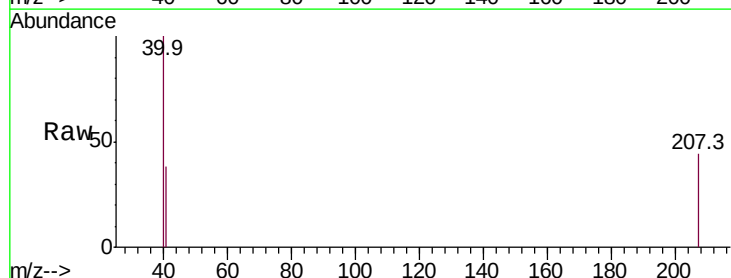
Ion Ratio Lower Upper

41 100

39 0.0 42.1 63.1#

67 0.0 82.4 123.6#

52 0.0 30.6 45.8#

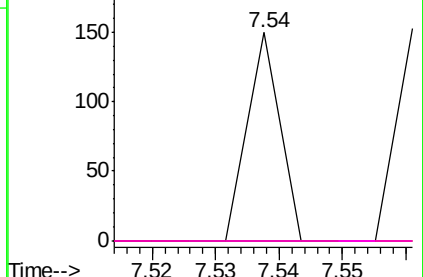
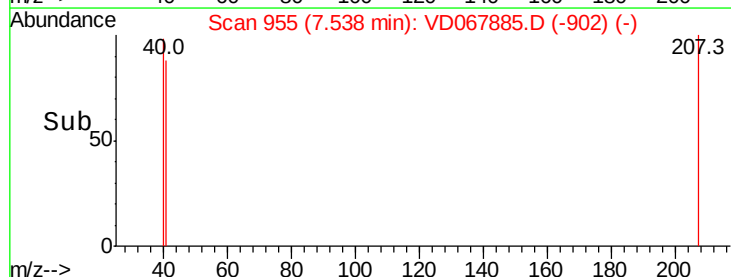


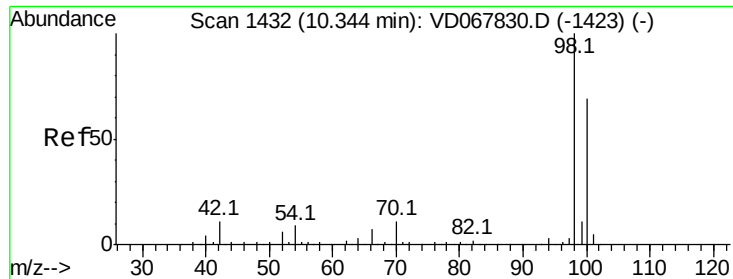
Abundance Ion 41.00 (40.70 to 41.70): VDC

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

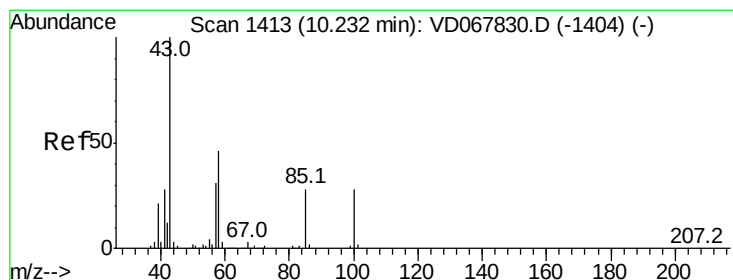
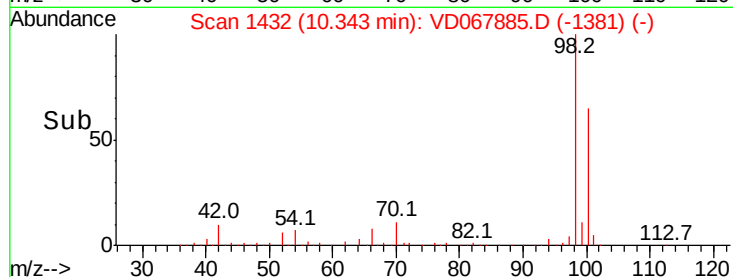
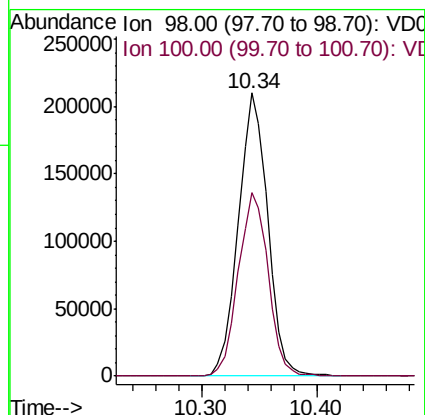
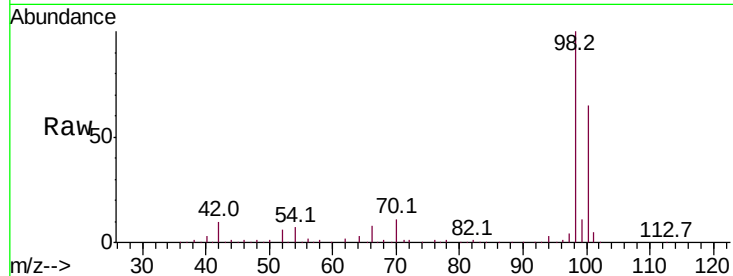




#50
Toluene-d8
Concen: 46.048 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067885.D
Acq: 04 Dec 2020 15:04

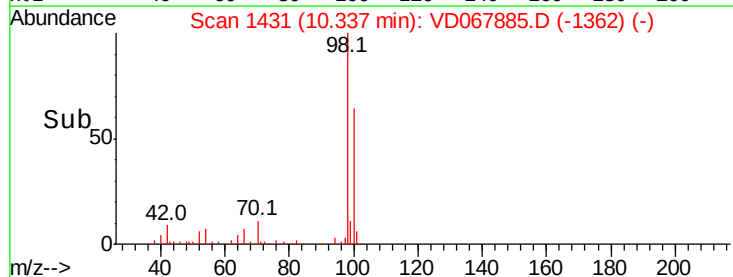
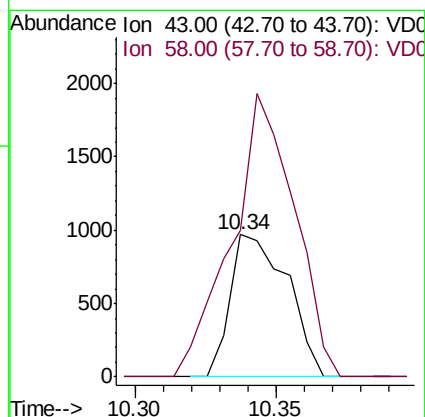
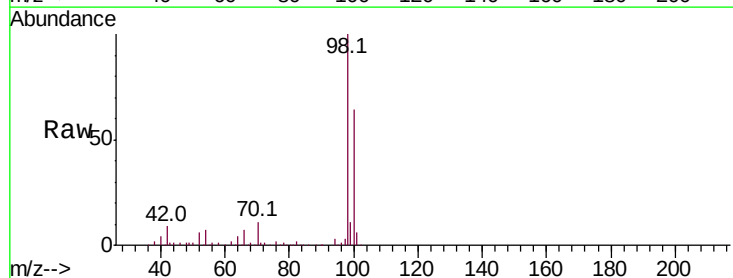
Instrument :
MSVOA_D
ClientSampleId :
RO-275

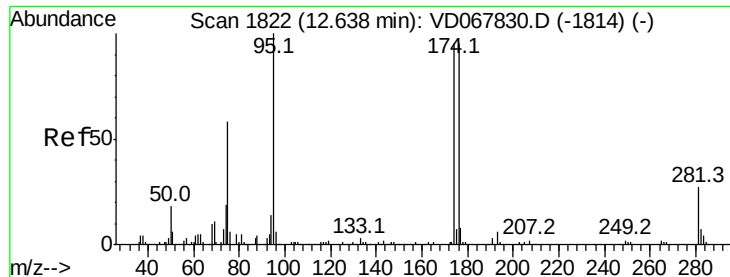
Tot Ion: 98 Resp: 370281
Ion Ratio Lower Upper
98 100
100 66.2 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.867 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD067885.D
Acq: 04 Dec 2020 15:04

Tgt Ion: 43 Resp: 1354
Ion Ratio Lower Upper
43 100
58 219.2 35.7 53.5#

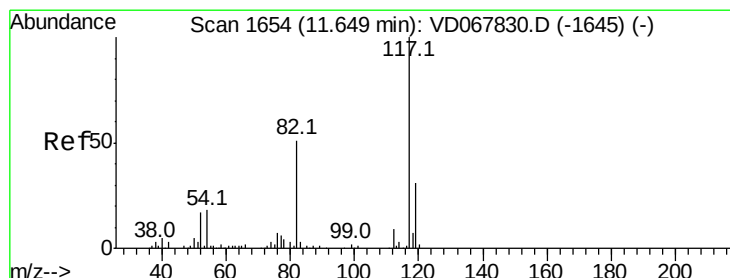
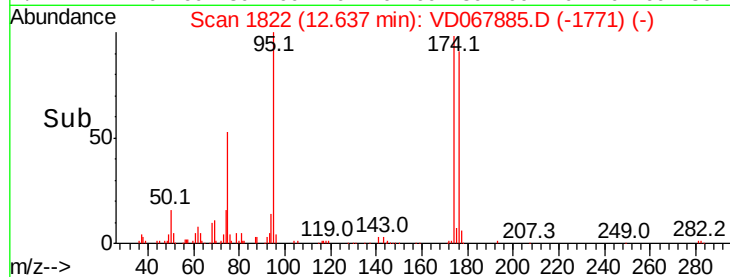
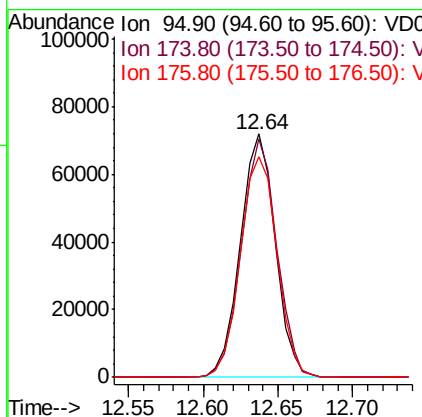
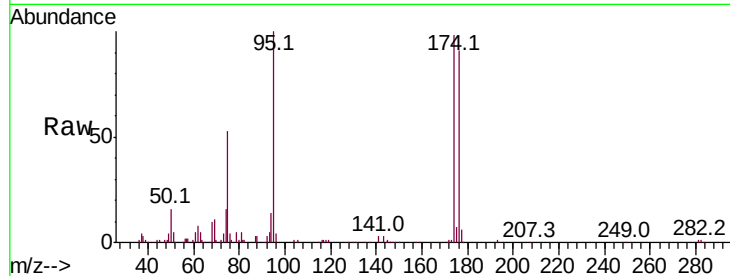




#62
4-Bromofluorobenzene
Concen: 41.896 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067885.D
Acq: 04 Dec 2020 15:04

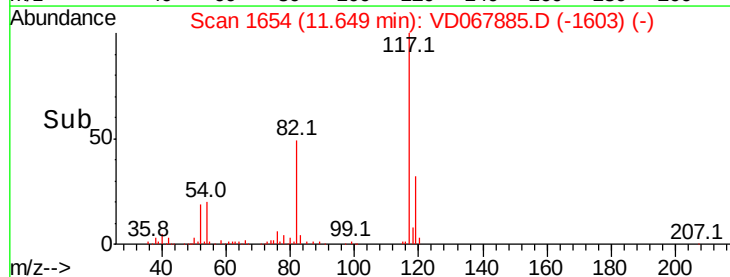
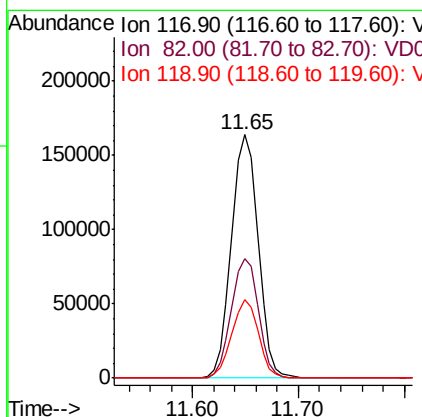
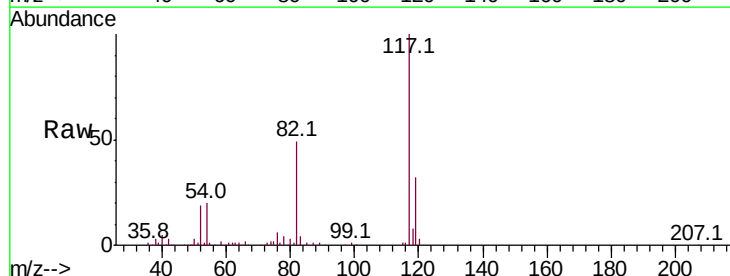
Instrument :
MSVOA_D
ClientSampleId :
RO-275

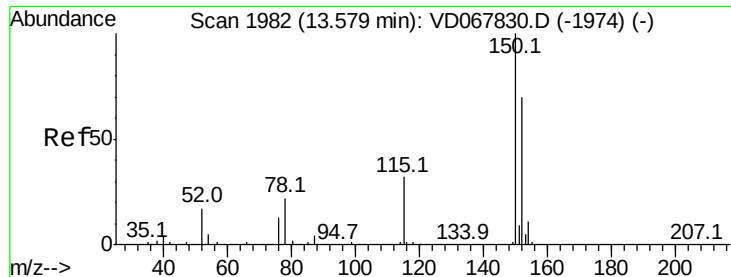
Tot Ion: 95 Resp: 116473
Ion Ratio Lower Upper
95 100
174 99.0 0.0 186.0
176 95.1 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067885.D
Acq: 04 Dec 2020 15:04

Tgt Ion: 117 Resp: 286838
Ion Ratio Lower Upper
117 100
82 48.8 40.6 60.8
119 32.0 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD067885.D

Acq: 04 Dec 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

RO-275

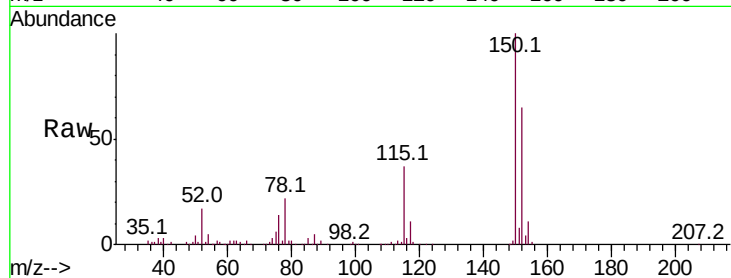
Tot Ion:152 Resp: 140058

Ion Ratio Lower Upper

152 100

115 56.3 29.1 87.4

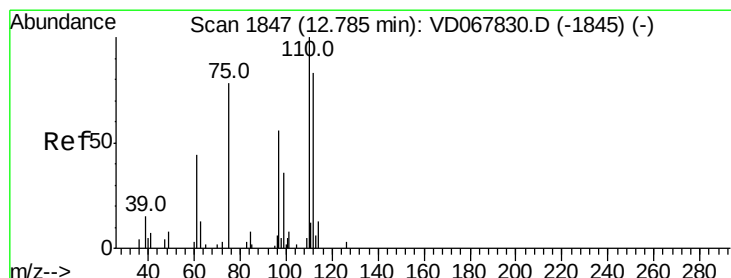
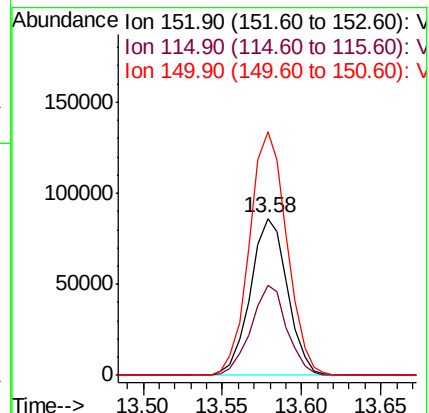
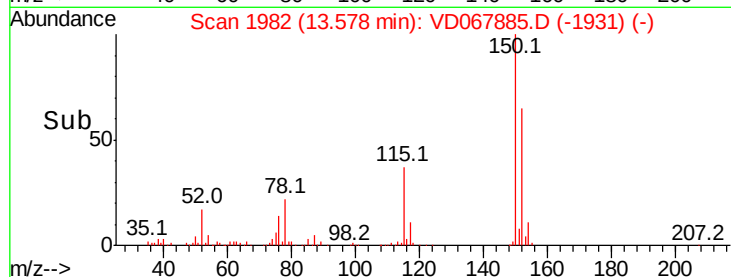
150 156.6 0.0 339.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 63.672 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067885.D

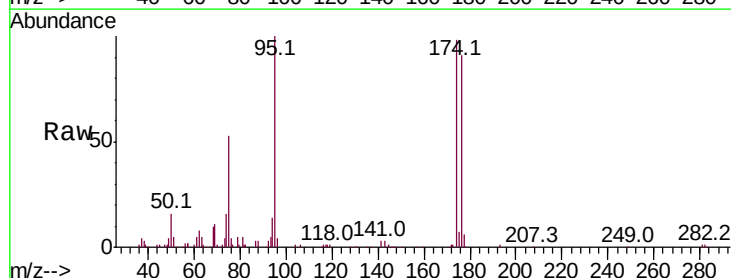
Acq: 04 Dec 2020 15:04

Tgt Ion: 75 Resp: 64942

Ion Ratio Lower Upper

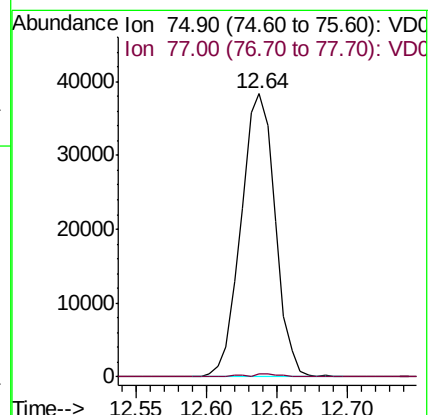
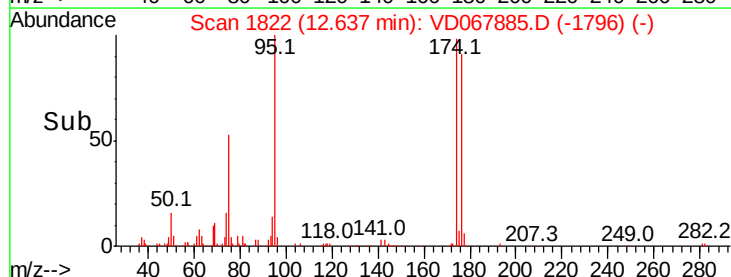
75 100

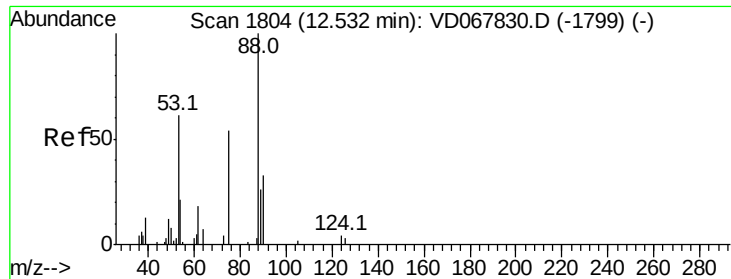
77 1.0 175.9 527.7#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 152.309 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067885.D

Acq: 04 Dec 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

RO-275

Tot Ion: 75 Resp: 64942

Ion Ratio Lower Upper

75 100

53 0.0 84.6 127.0#

89 0.0 41.0 61.6#

