

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD067004.D
 Acq On : 01 Oct 2020 20:32
 Operator : VA/SY
 Sample : L4198-10
 Misc : 8.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-24

Quant Time: Oct 02 00:42:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	471631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	807779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	744240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	328578	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	236462	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
35) Dibromofluoromethane	7.91	113	257564	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
50) Toluene-d8	10.34	98	953060	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.64	95	302122	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	

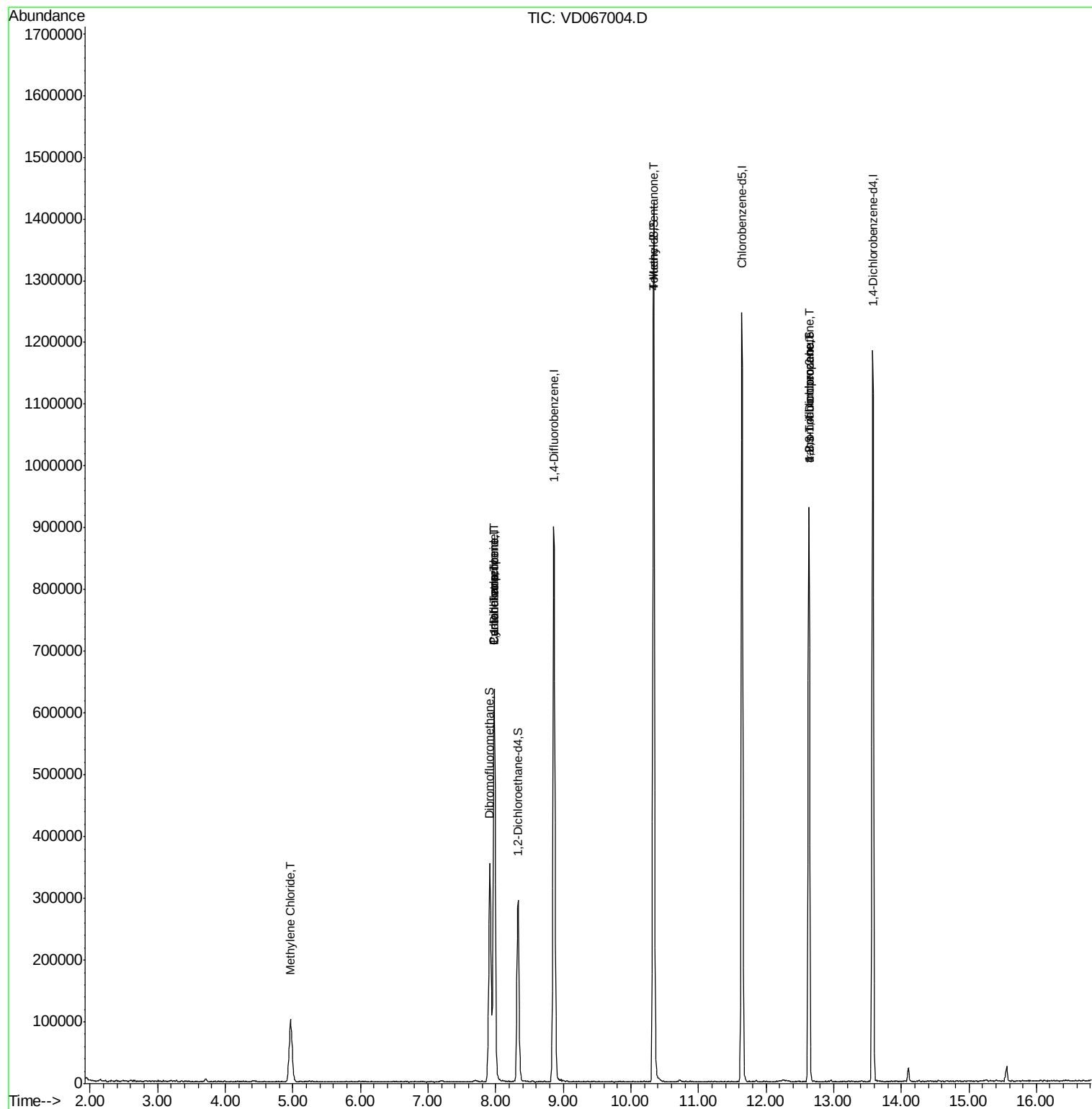
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	277	Below Cal	#	39
5) Bromomethane	2.78	94	115	Below Cal		96
11) Tert butyl alcohol	5.24	59	167	Below Cal	#	72
20) Methylene Chloride	4.97	84	80002	10.512	ug/l	96
26) 2,2-Dichloropropane	7.21	77	90	Below Cal	#	53
31) Cyclohexane	7.98	56	10036	1.471	ug/l	# 14
36) 1,1-Dichloropropene	7.98	75	35286	4.686	ug/l	# 49
38) Carbon Tetrachloride	7.98	117	48258	5.924	ug/l	# 15
51) 4-Methyl-2-Pentanone	10.34	43	3903	1.631	ug/l	# 1
76) 1,2,3-Trichloropropane	12.63	75	151642	52.984	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.63	75	151642	132.096	ug/l	# 12

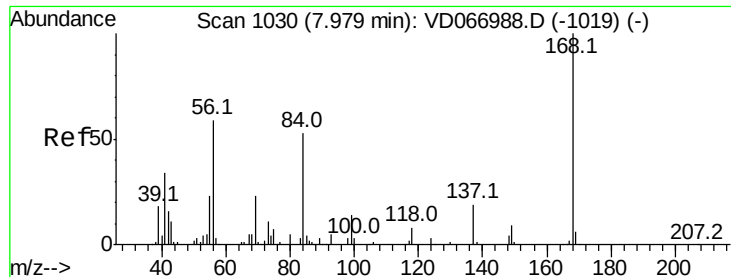
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100120\
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Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD067004.D

Acq: 01 Oct 2020 20:32

Instrument :

MSVOA_D

ClientSampleID :

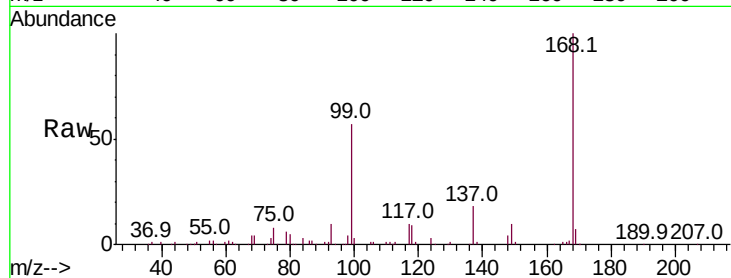
RO-24

Tot Ion:168 Resp: 471631

Ion Ratio Lower Upper

168 100

99 56.7 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

250000

200000

150000

100000

50000

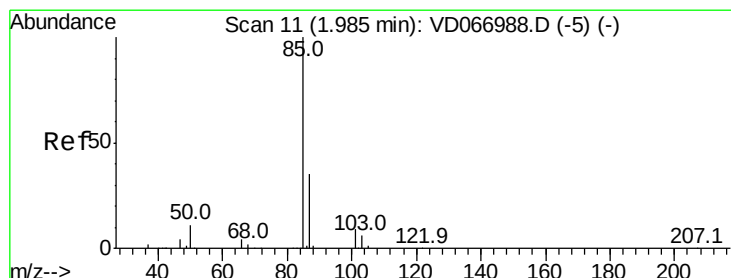
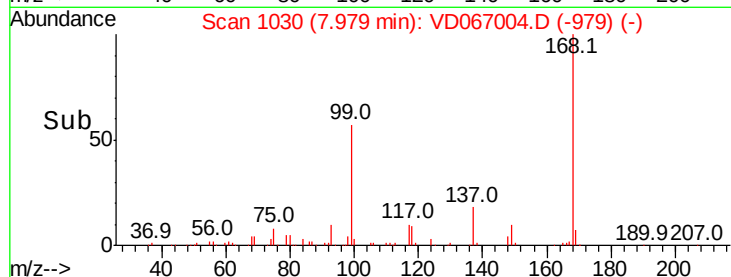
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067004.D

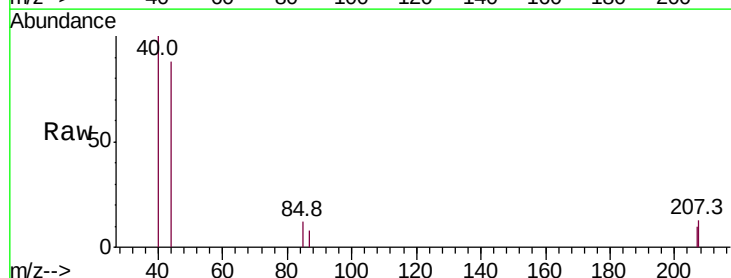
Acq: 01 Oct 2020 20:32

Tgt Ion: 85 Resp: 277

Ion Ratio Lower Upper

85 100

87 70.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

300

200

100

0

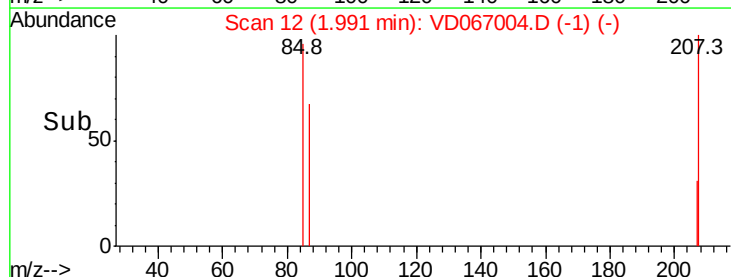
1.96

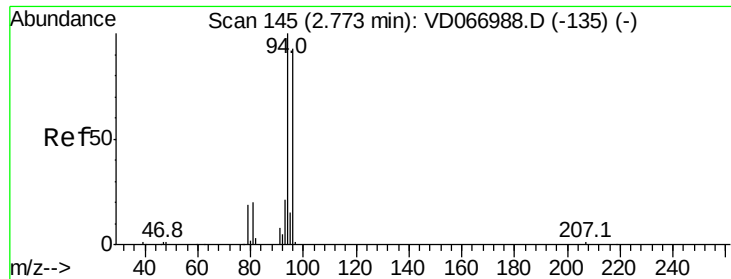
1.98

2.00

2.02

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067004.D

Acq: 01 Oct 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

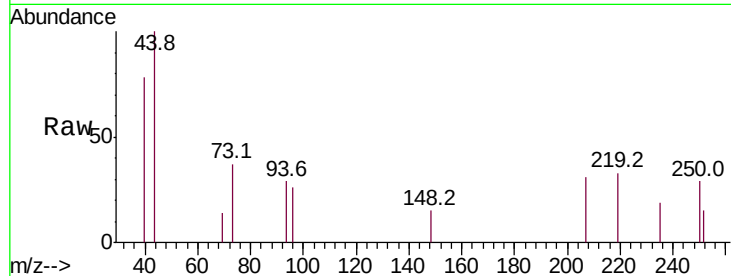
RO-24

Tot Ion: 94 Resp: 115

Ion Ratio Lower Upper

94 100

96 89.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

400

300

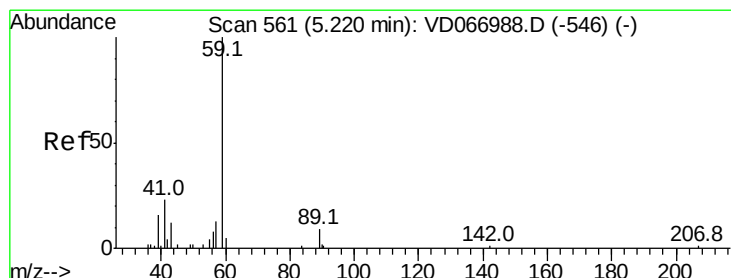
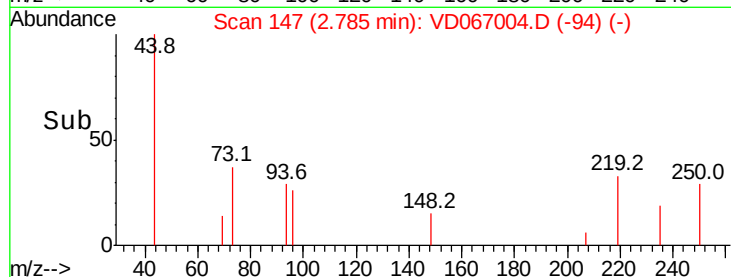
200

100

0

2.77 2.78 2.79 2.80

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 565

Delta R.T. 0.02 min

Lab File: VD067004.D

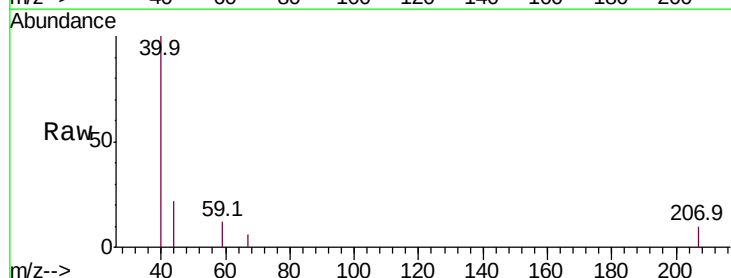
Acq: 01 Oct 2020 20:32

Tgt Ion: 59 Resp: 167

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

300

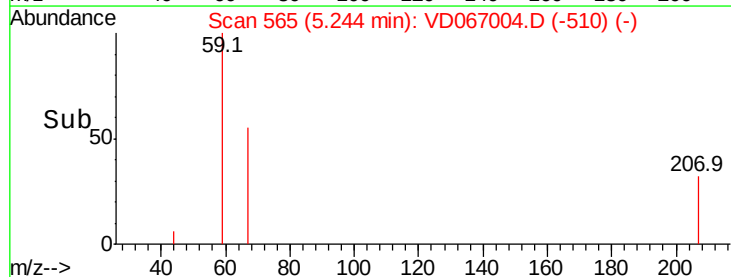
200

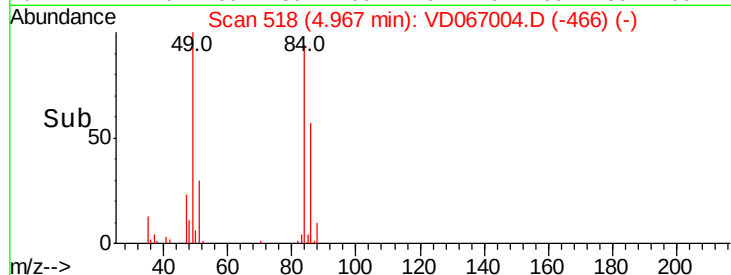
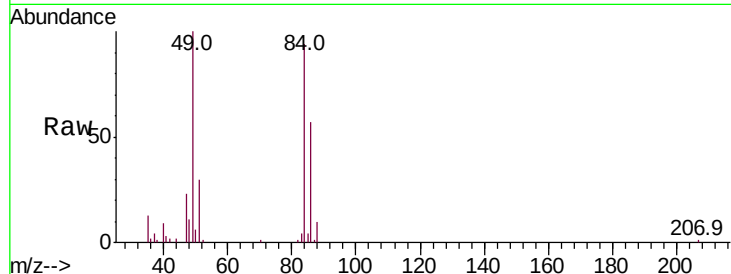
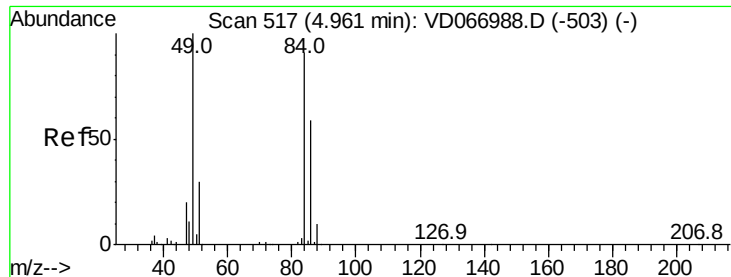
100

0

5.22 5.24 5.26

Time-->

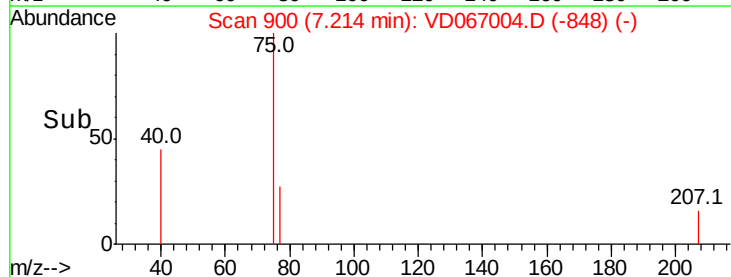
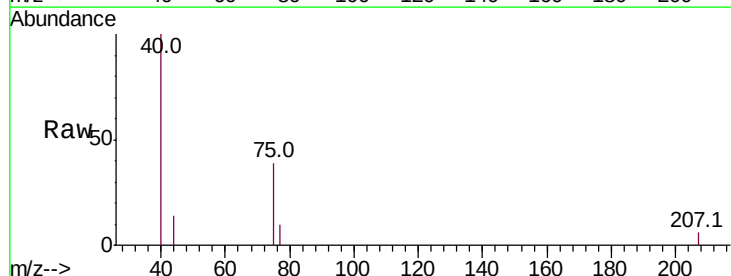
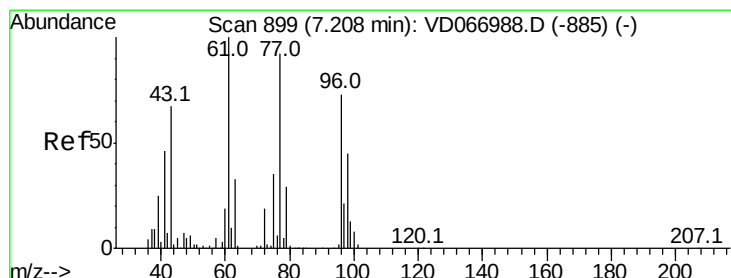
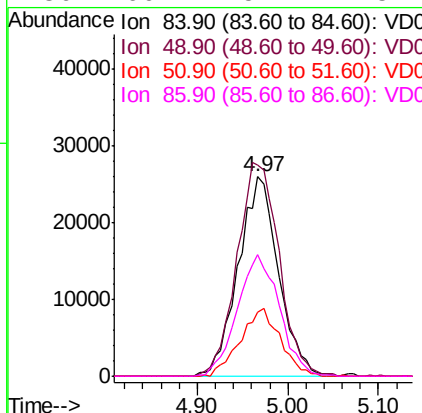




#20
Methylene Chloride
Concen: 10.512 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067004.D
Acq: 01 Oct 2020 20:32

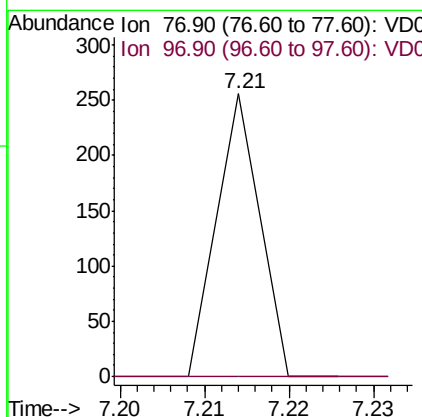
Instrument :
MSVOA_D
ClientSampleId :
RO-24

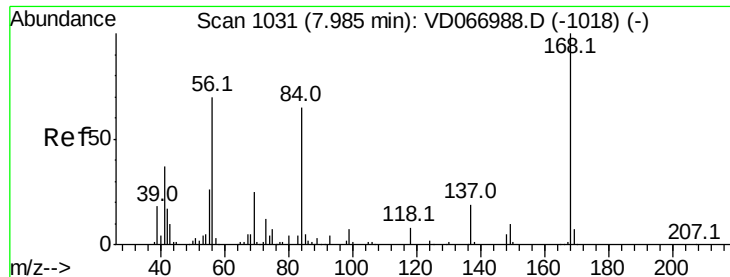
Tot Ion: 84 Resp: 80002
Ion Ratio Lower Upper
84 100
49 105.9 88.2 132.2
51 32.2 26.6 39.8
86 60.7 52.1 78.1



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067004.D
Acq: 01 Oct 2020 20:32

Tgt Ion: 77 Resp: 90
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#

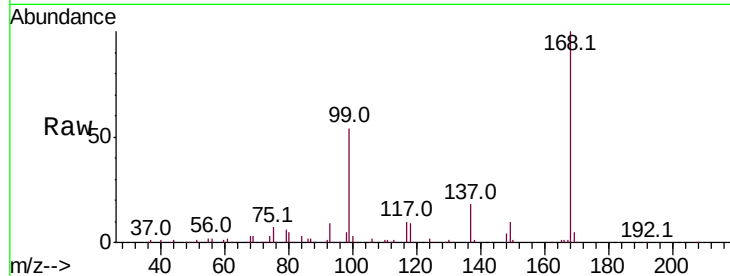




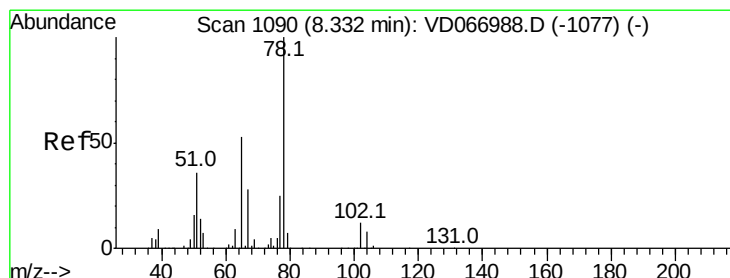
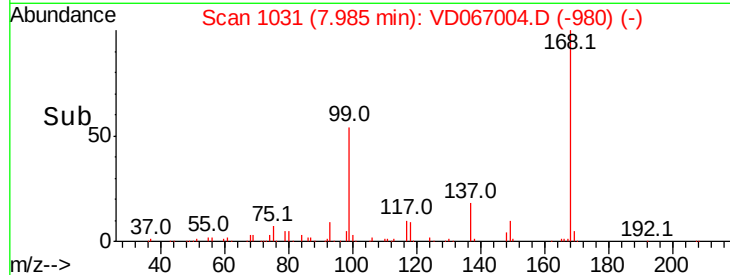
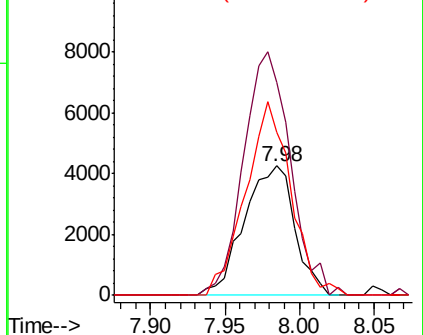
#31
Cyclohexane
Concen: 1.471 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD067004.D
Acq: 01 Oct 2020 20:32

Instrument :
MSVOA_D
ClientSampled :
RO-24

Tot Ion: 56 Resp: 10036
Ion Ratio Lower Upper
56 100
69 165.1 29.0 43.6#
84 126.1 74.2 111.2#

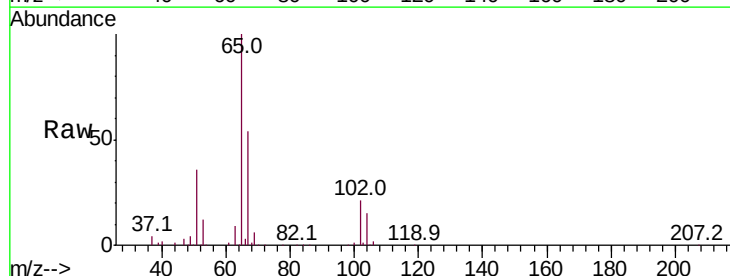


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

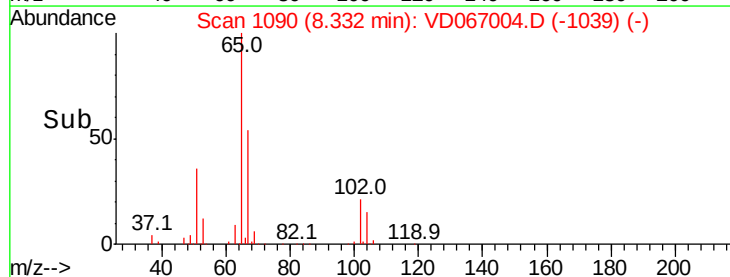
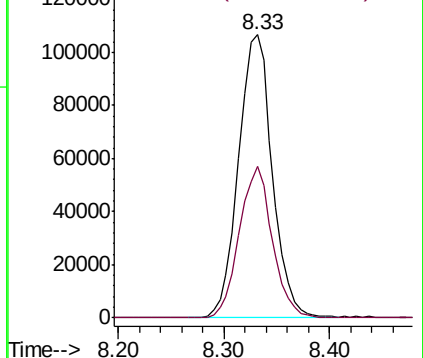


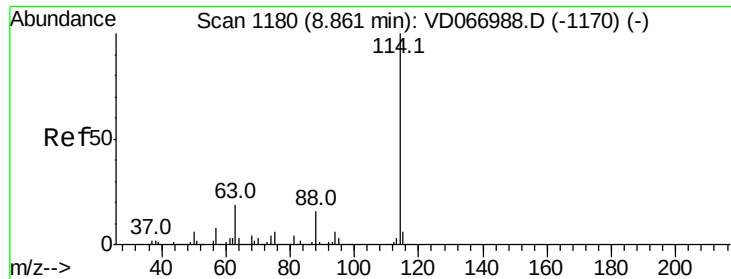
#33
1,2-Dichloroethane-d4
Concen: 52.053 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD067004.D
Acq: 01 Oct 2020 20:32

Tgt Ion: 65 Resp: 236462
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

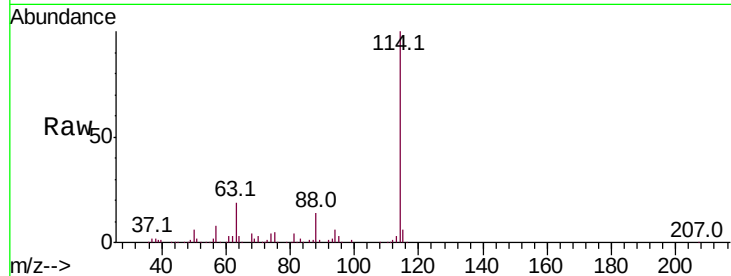




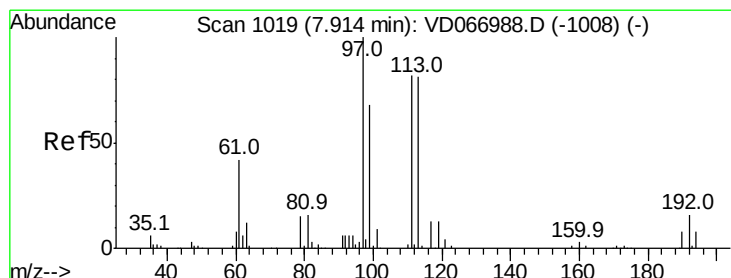
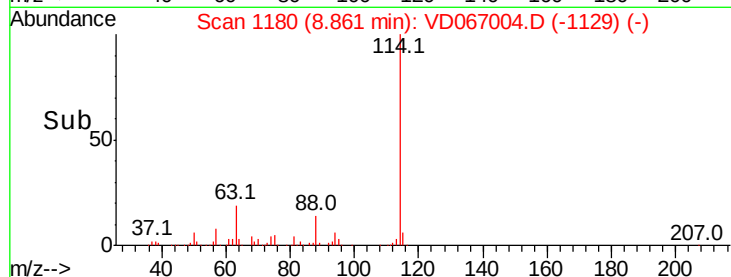
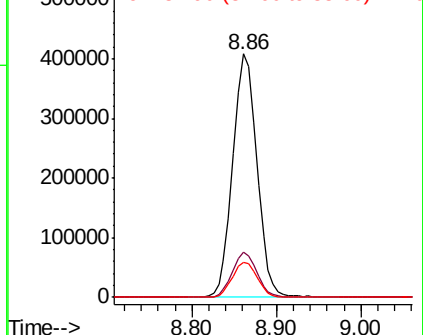
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD067004.D
 Acq: 01 Oct 2020 20:32

Instrument :
 MSVOA_D
 ClientSampled :
 RO-24

Tot Ion:114 Resp: 807779
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 38.4
 88 14.4 0.0 31.2

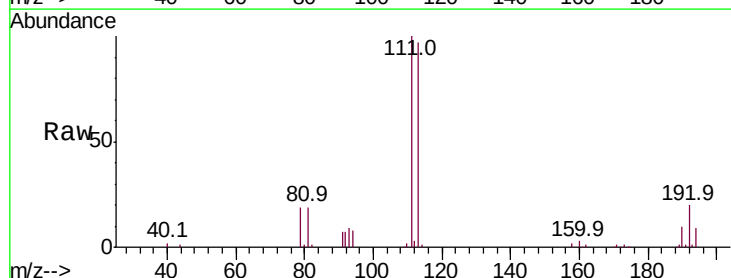


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

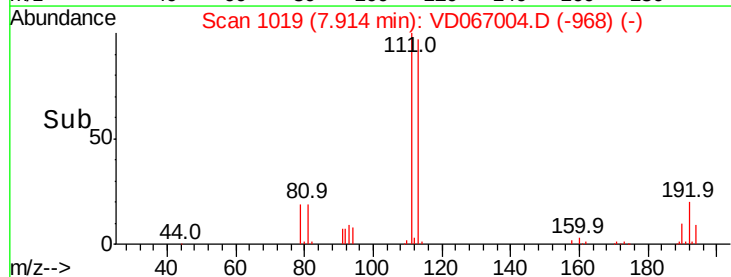
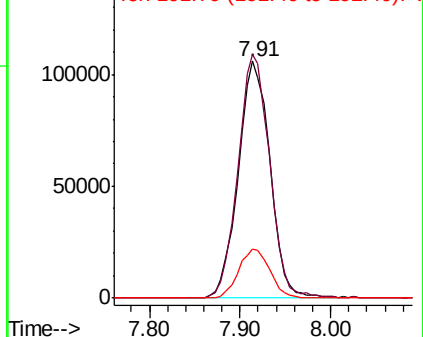


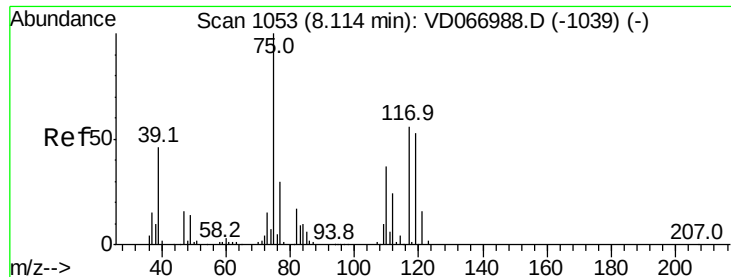
#35
 Dibromofluoromethane
 Concen: 48.704 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD067004.D
 Acq: 01 Oct 2020 20:32

Tgt Ion:113 Resp: 257564
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.0 124.4
 192 20.3 15.5 23.3



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: 4.686 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067004.D

Acq: 01 Oct 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

RO-24

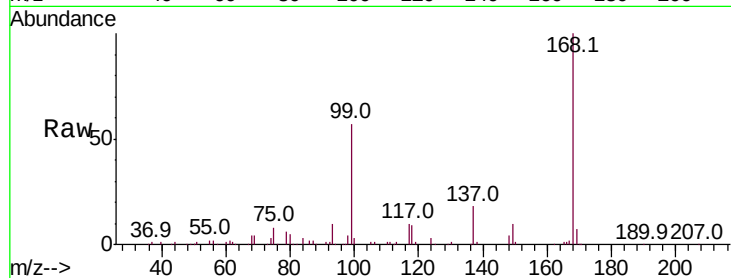
Tot Ion: 75 Resp: 35286

Ion Ratio Lower Upper

75 100

110 9.4 18.4 55.0#

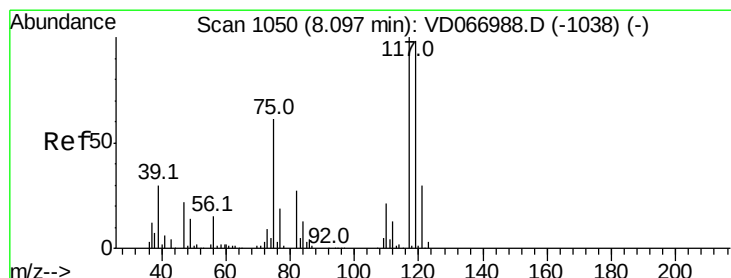
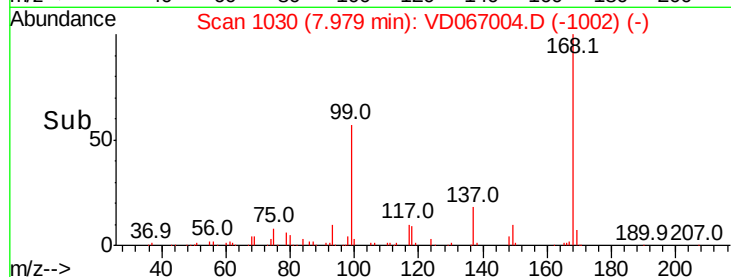
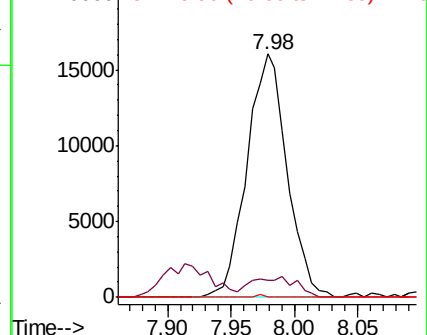
77 0.2 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



#38

Carbon Tetrachloride

Concen: 5.924 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067004.D

Acq: 01 Oct 2020 20:32

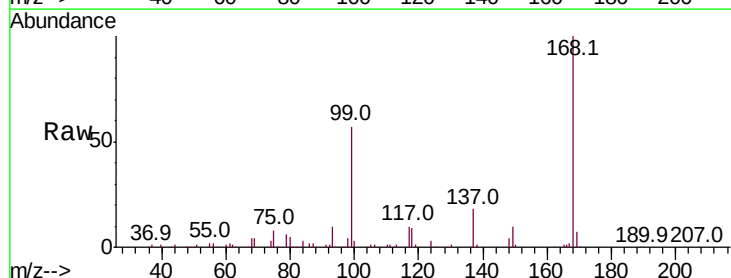
Tgt Ion: 117 Resp: 48258

Ion Ratio Lower Upper

117 100

119 5.6 78.7 118.1#

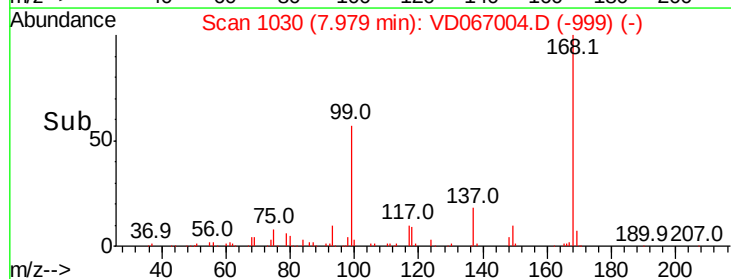
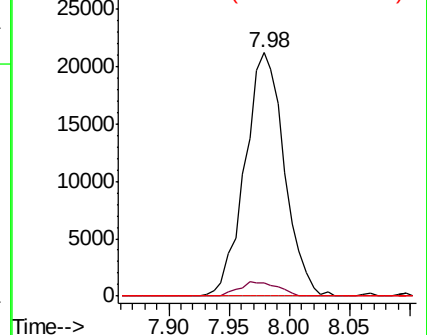
121 0.0 24.2 36.2#

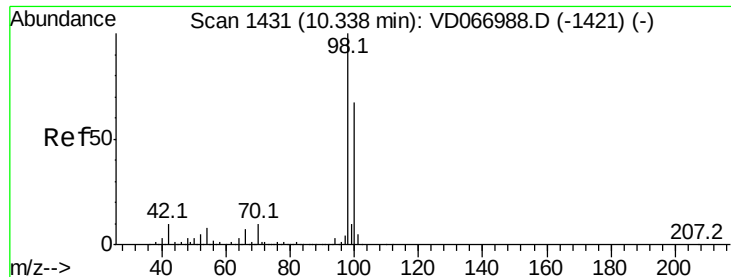


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

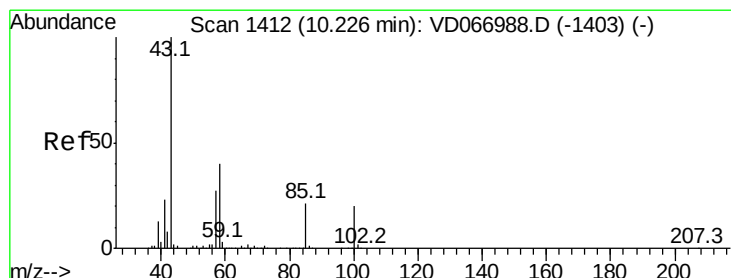
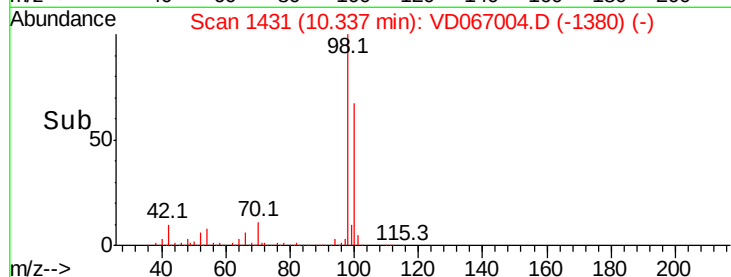
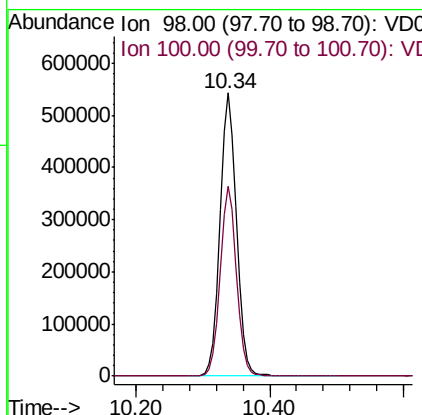
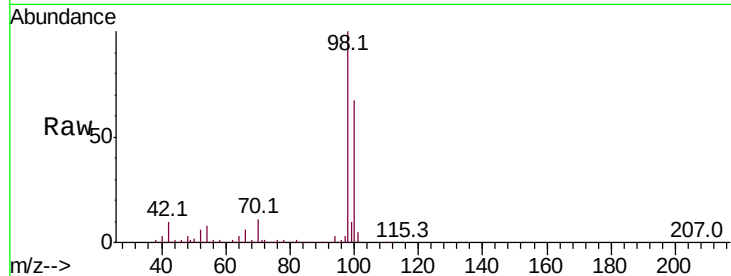




#50
Toluene-d8
Concen: 49.458 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD067004.D
Acq: 01 Oct 2020 20:32

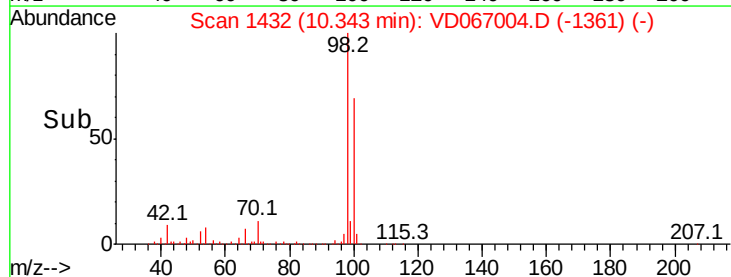
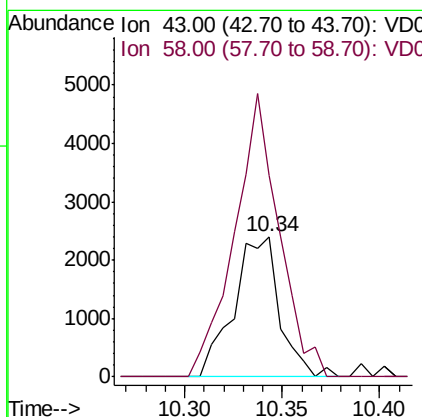
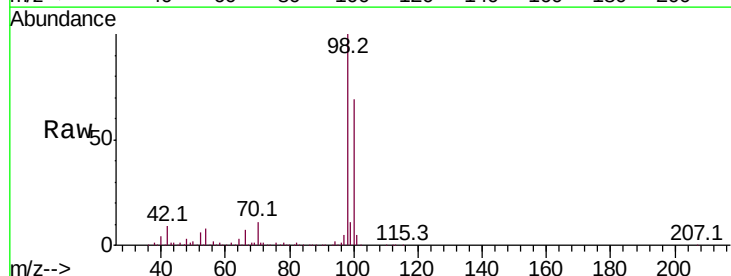
Instrument :
MSVOA_D
ClientSampleId :
RO-24

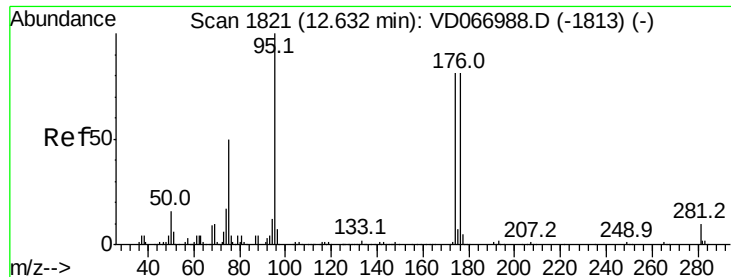
Tot Ion: 98 Resp: 953060
Ion Ratio Lower Upper
98 100
100 66.2 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.631 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.12 min
Lab File: VD067004.D
Acq: 01 Oct 2020 20:32

Tgt Ion: 43 Resp: 3903
Ion Ratio Lower Upper
43 100
58 196.3 33.8 50.8#

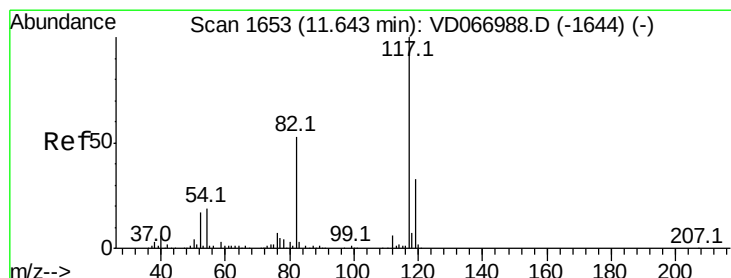
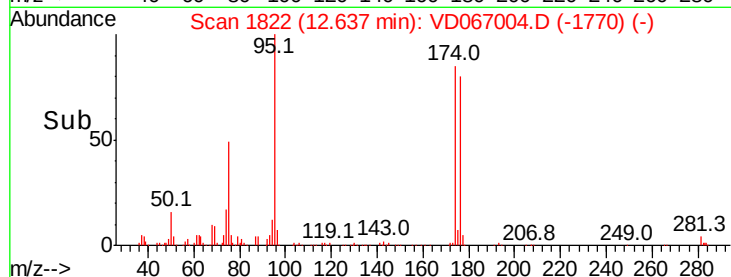
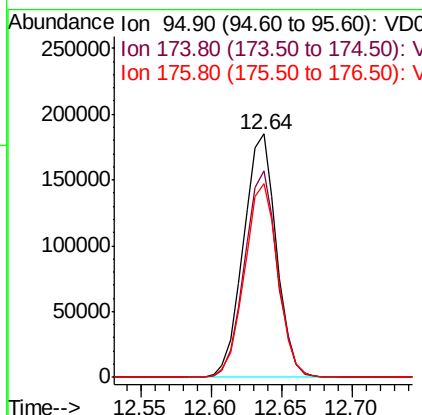
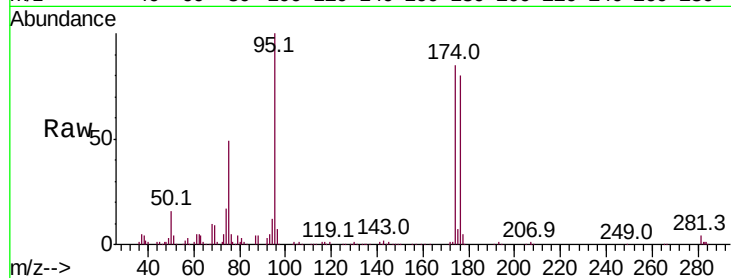




#62
4-Bromofluorobenzene
Concen: 46.183 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067004.D
Acq: 01 Oct 2020 20:32

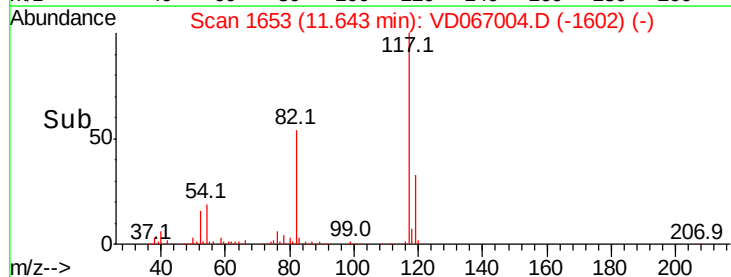
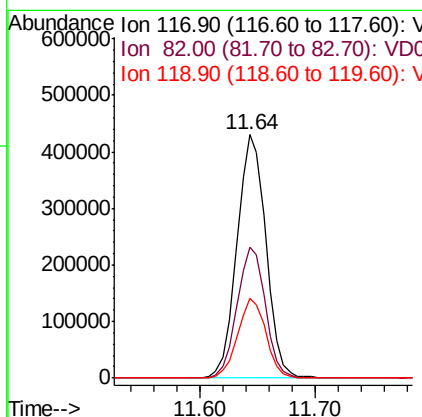
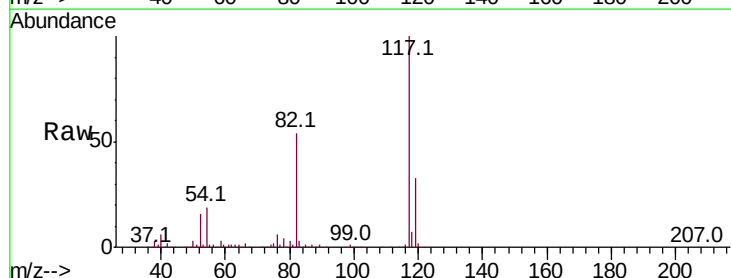
Instrument :
MSVOA_D
ClientSampleId :
RO-24

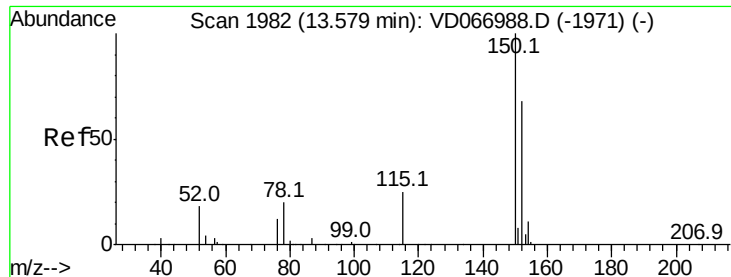
Tot Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	167.6
176	80.5	0.0	162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD067004.D
Acq: 01 Oct 2020 20:32

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.6	63.8
119	32.7	26.3	39.5

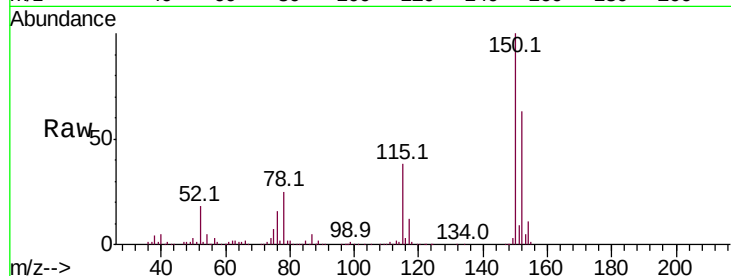




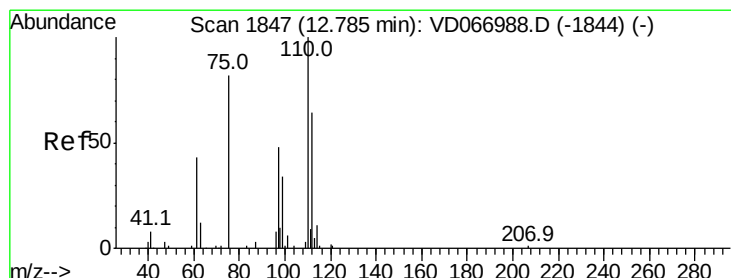
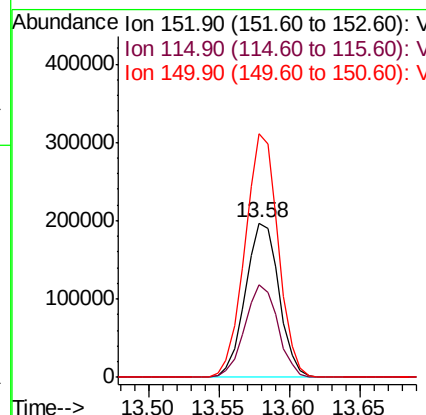
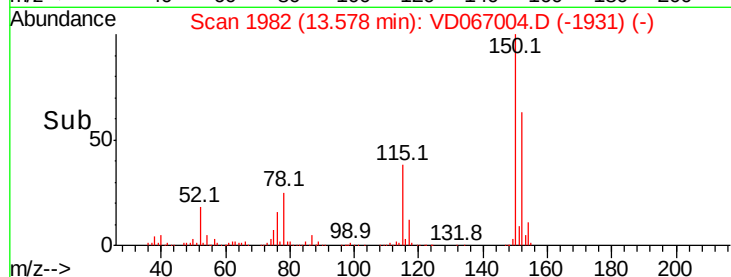
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VD067004.D
 Acq: 01 Oct 2020 20:32

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-24

Tot Ion:152 Resp: 328578
 Ion Ratio Lower Upper
 152 100
 115 59.2 29.6 88.8
 150 156.0 0.0 344.8

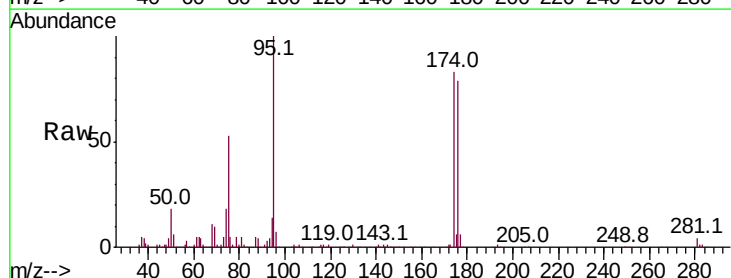


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

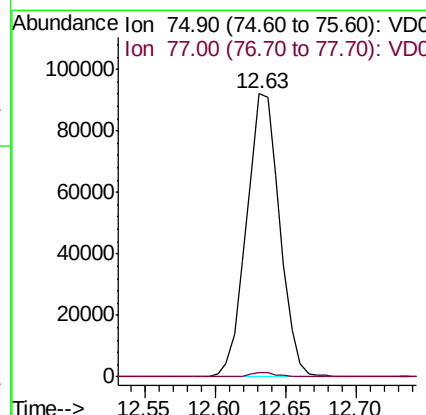
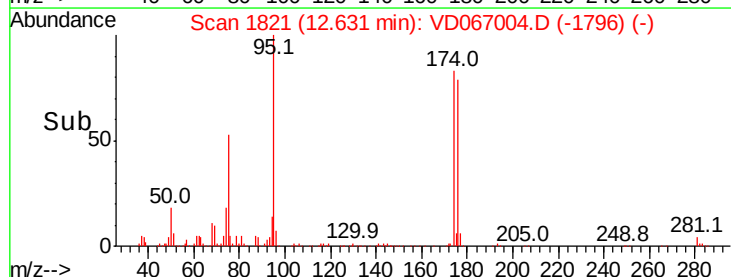


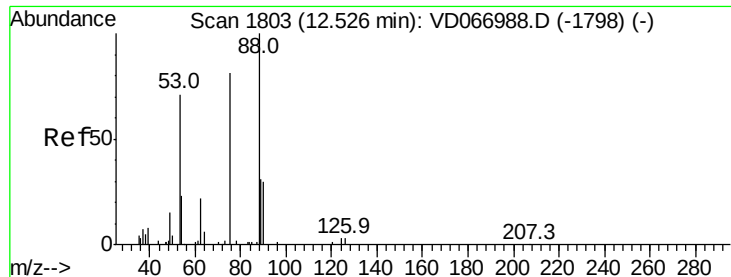
#76
 1,2,3-Trichloropropane
 Concen: 52.984 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD067004.D
 Acq: 01 Oct 2020 20:32

Tgt Ion: 75 Resp: 151642
 Ion Ratio Lower Upper
 75 100
 77 1.3 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: 132.096 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067004.D

Acq: 01 Oct 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

RO-24

Tot Ion: 75 Resp: 151642

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.2 38.9 58.3#

