

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101520\
 Data File : VD067280.D
 Acq On : 15 Oct 2020 13:43
 Operator : VA/SY
 Sample : L4392-01
 Misc : 4.99G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Quant Time: Oct 16 01:02:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	137718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	234764	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	236090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	115864	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	95930	69.53	ug/l	0.00
Spiked Amount			Recovery	=	139.06%	
35) Dibromofluoromethane	7.91	113	82158	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	
50) Toluene-d8	10.34	98	282406	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.64	95	94943	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	

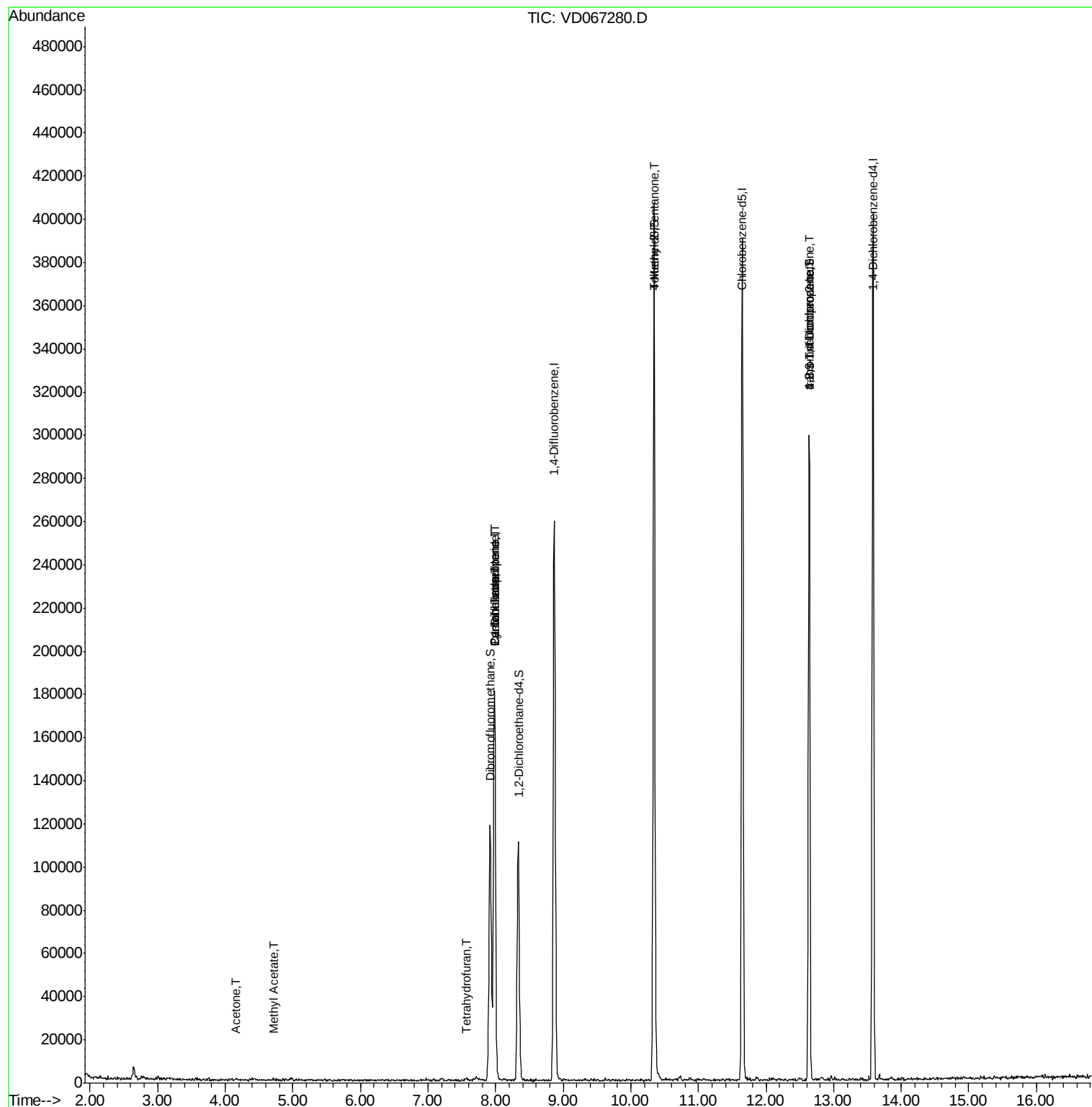
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	269	Below Cal	#	44
5) Bromomethane	2.76	94	860	Below Cal	#	3
16) Acetone	4.16	43	1579	8.172	ug/l	99
18) Methyl Acetate	4.71	43	711	1.613	ug/l #	62
20) Methylene Chloride	4.98	84	554	Below Cal	#	26
29) Tetrahydrofuran	7.57	42	825	6.738	ug/l #	60
31) Cyclohexane	7.98	56	2937	1.848	ug/l #	28
36) 1,1-Dichloropropene	7.98	75	9948	5.000	ug/l #	52
38) Carbon Tetrachloride	7.98	117	14788	5.815	ug/l #	17
51) 4-Methyl-2-Pentanone	10.35	43	924	1.595	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	50070	62.350	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	50070	141.391	ug/l #	10

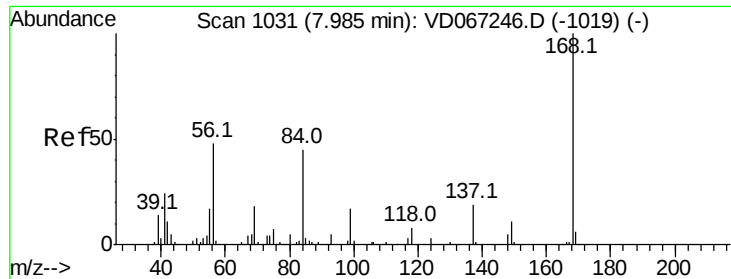
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101520\
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Quant Title : SW846 8260
QLast Update : Wed Oct 14 03:30:30 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067280.D

Acq: 15 Oct 2020 13:43

Instrument :

MSVOA_D

ClientSampled :

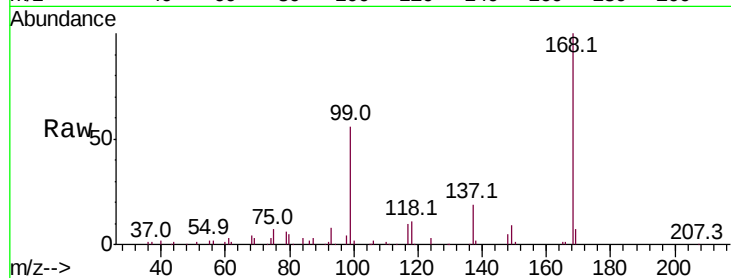
TP-1

Tot Ion:168 Resp: 137718

Ion Ratio Lower Upper

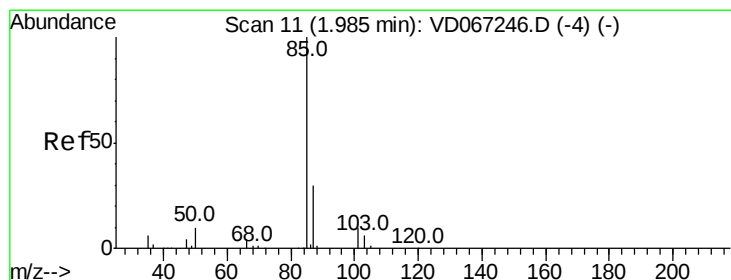
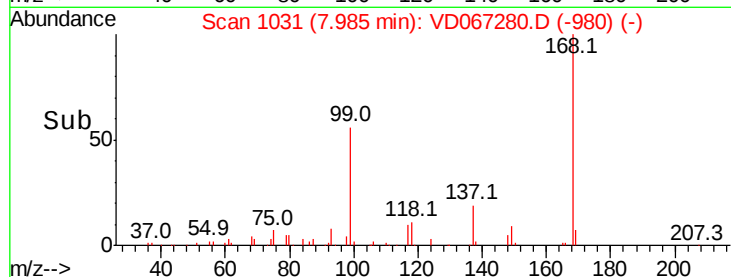
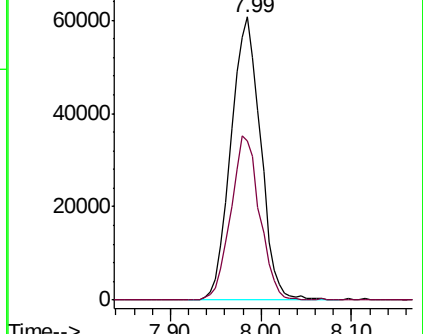
168 100

99 56.3 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD067280.D

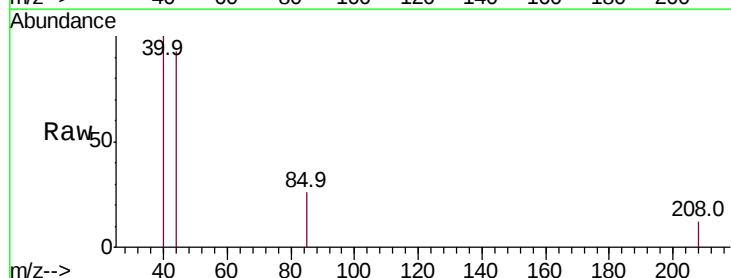
Acq: 15 Oct 2020 13:43

Tgt Ion: 85 Resp: 269

Ion Ratio Lower Upper

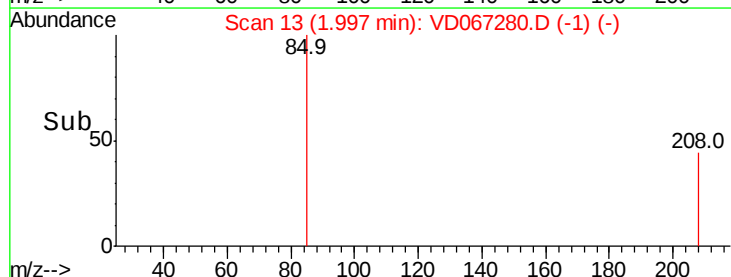
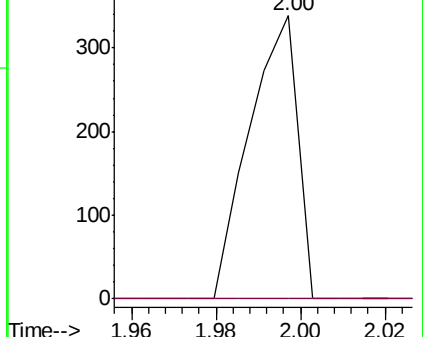
85 100

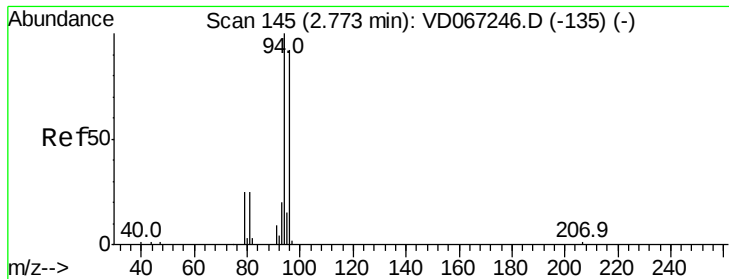
87 0.0 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067280.D

Acq: 15 Oct 2020 13:43

Instrument :

MSVOA_D

ClientSampled :

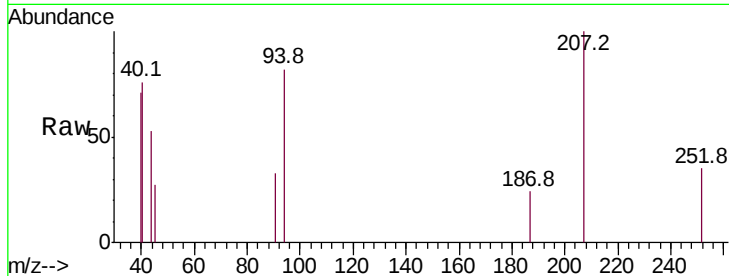
TP-1

Tot Ion: 94 Resp: 860

Ion Ratio Lower Upper

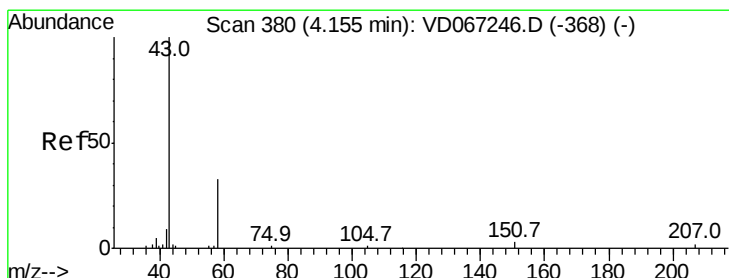
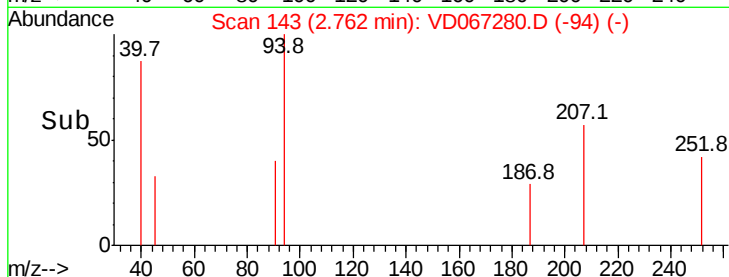
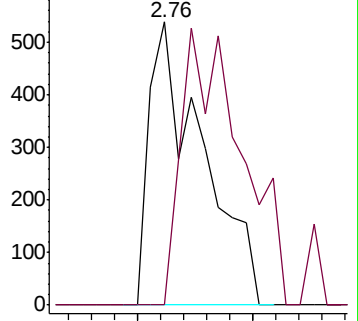
94 100

96 0.0 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#16

Acetone

Concen: 8.172 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067280.D

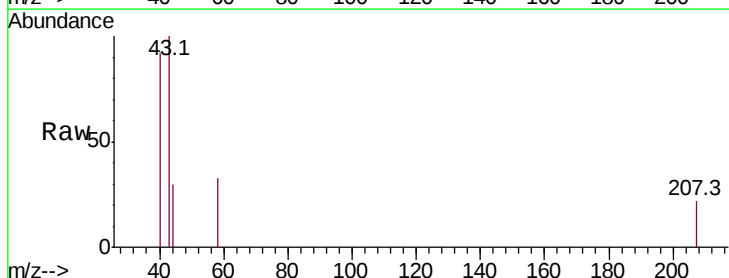
Acq: 15 Oct 2020 13:43

Tgt Ion: 43 Resp: 1579

Ion Ratio Lower Upper

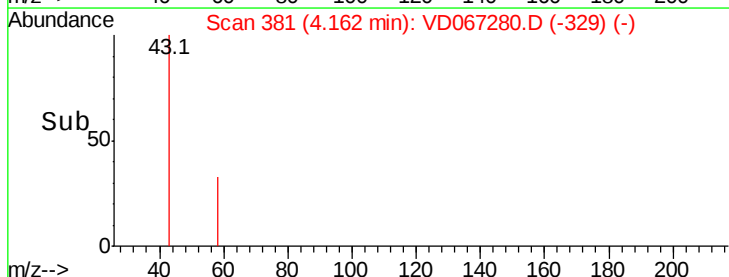
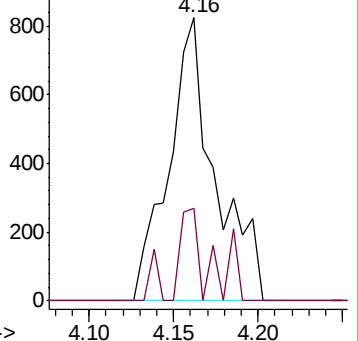
43 100

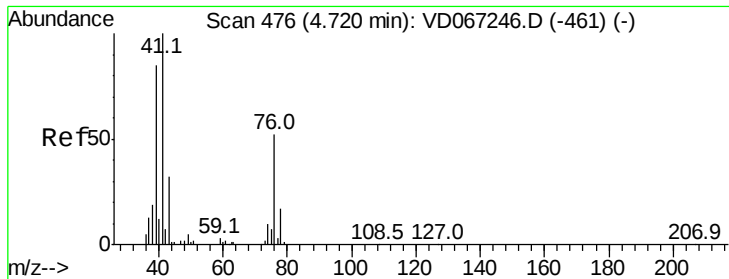
58 32.9 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

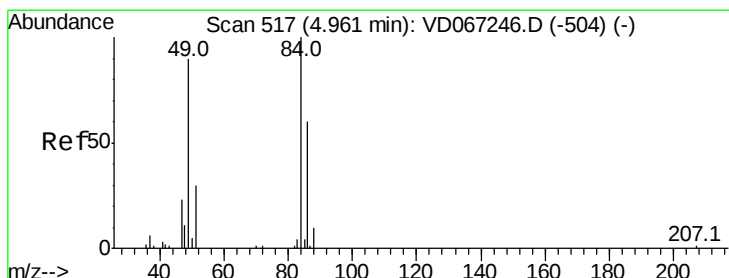
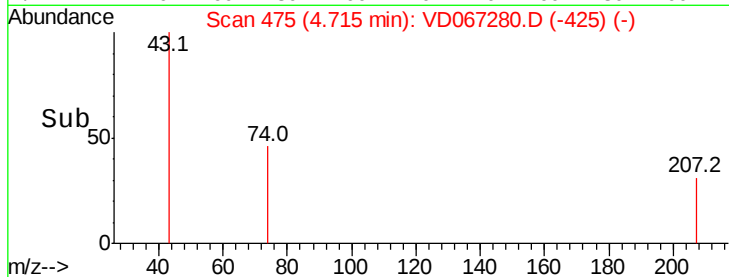
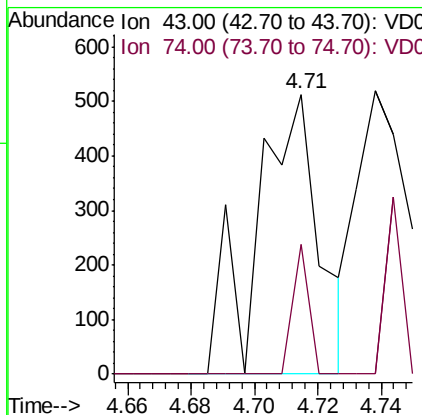
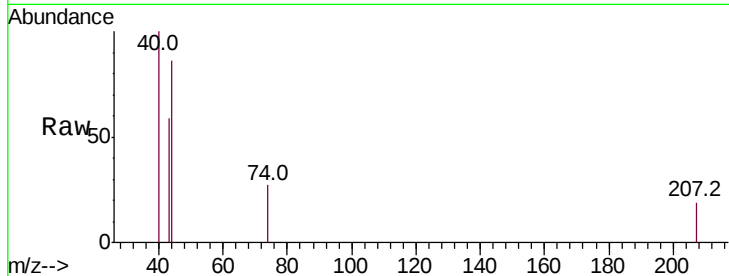




#18
Methyl Acetate
Concen: 1.613 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067280.D
Acq: 15 Oct 2020 13:43

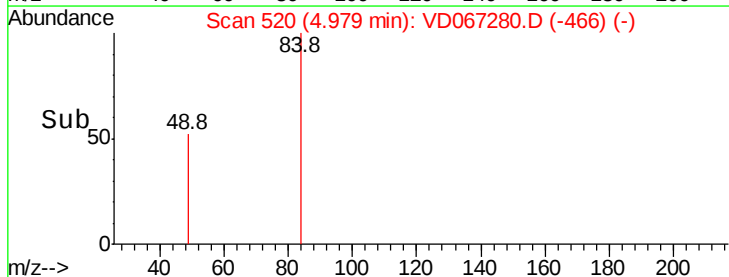
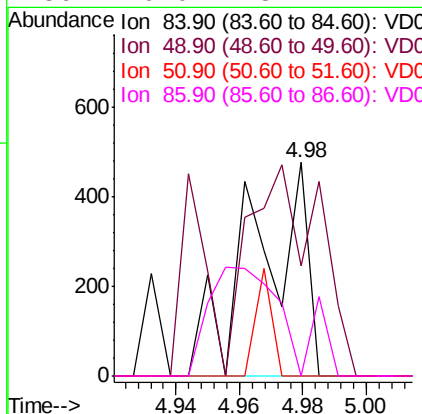
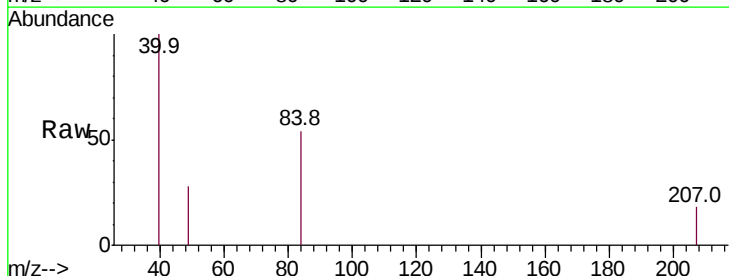
Instrument :
MSVOA_D
ClientSampled :
TP-1

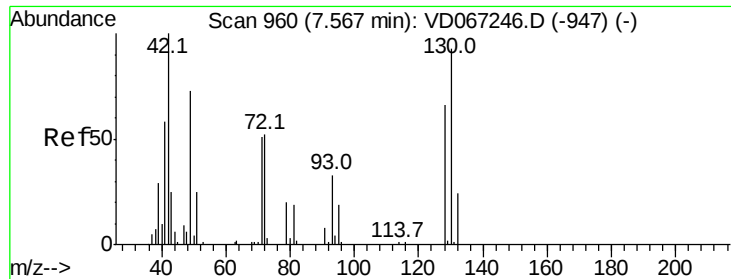
Tot Ion: 43 Resp: 711
Ion Ratio Lower Upper
43 100
74 11.8 26.6 39.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.98 min Scan# 520
Delta R.T. 0.02 min
Lab File: VD067280.D
Acq: 15 Oct 2020 13:43

Tgt Ion: 84 Resp: 554
Ion Ratio Lower Upper
84 100
49 18.9 72.2 108.2#
51 0.0 23.8 35.8#
86 0.0 48.2 72.4#

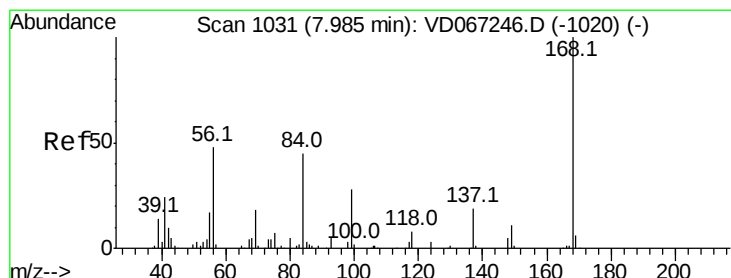
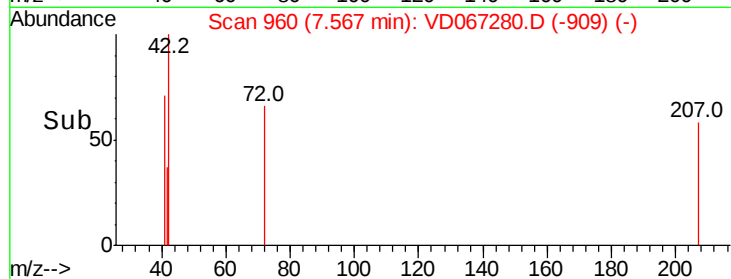
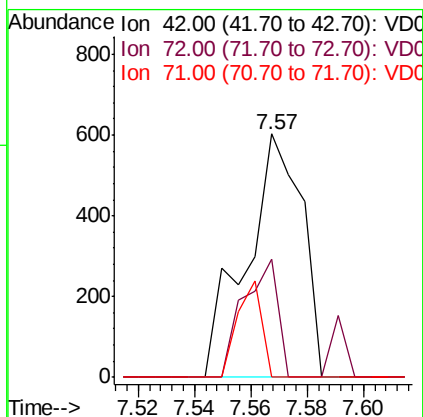
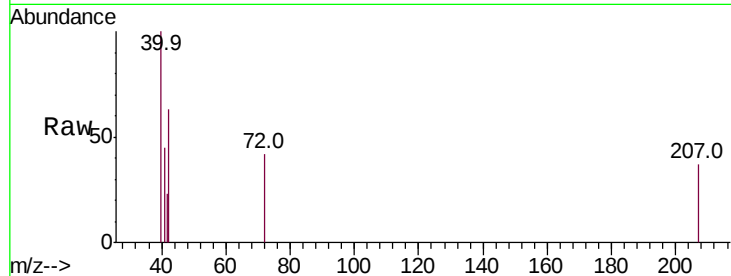




#29
Tetrahydrofuran
Concen: 6.738 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067280.D
Acq: 15 Oct 2020 13:43

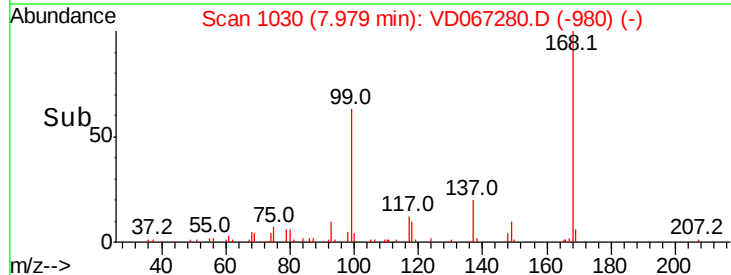
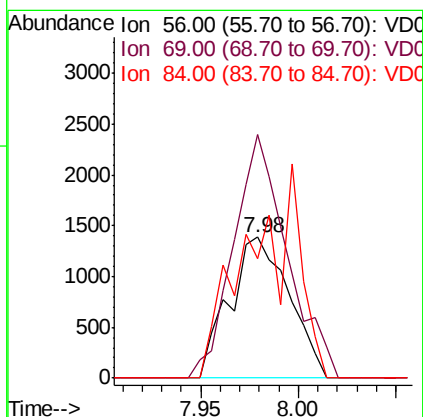
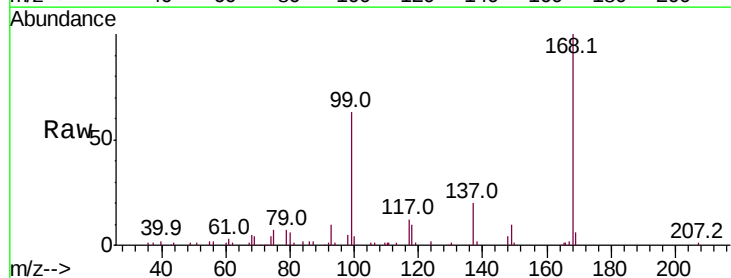
Instrument :
MSVOA_D
ClientSampleId :
TP-1

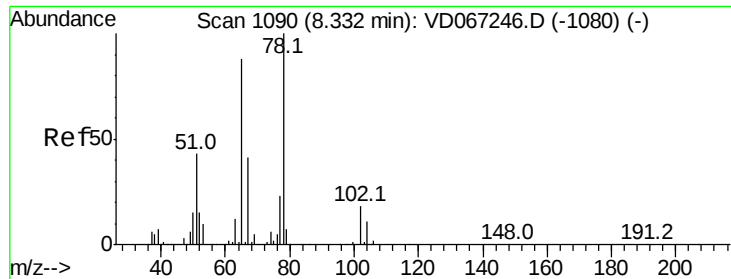
Tot Ion: 42 Resp: 825
Ion Ratio Lower Upper
42 100
72 29.8 43.2 64.8#
71 17.1 39.4 59.0#



#31
Cyclohexane
Concen: 1.848 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067280.D
Acq: 15 Oct 2020 13:43

Tgt Ion: 56 Resp: 2937
Ion Ratio Lower Upper
56 100
69 172.8 29.8 44.6#
84 84.6 76.6 114.8

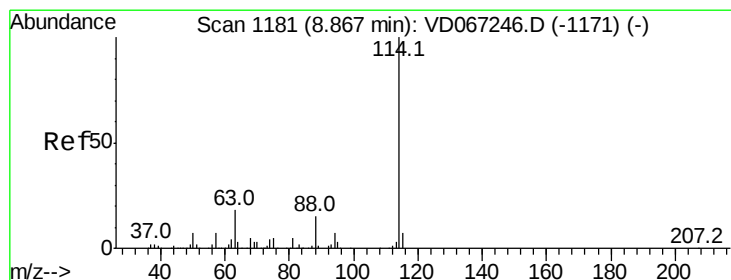
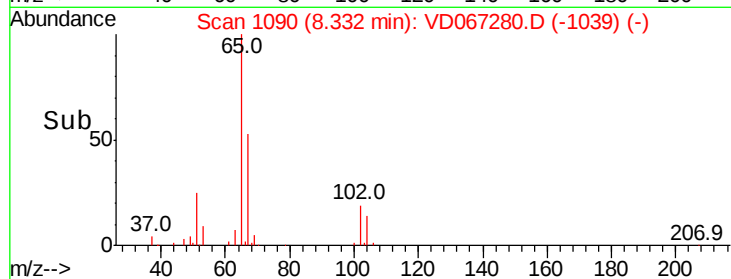
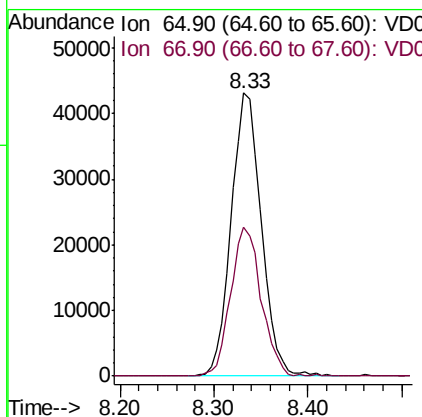
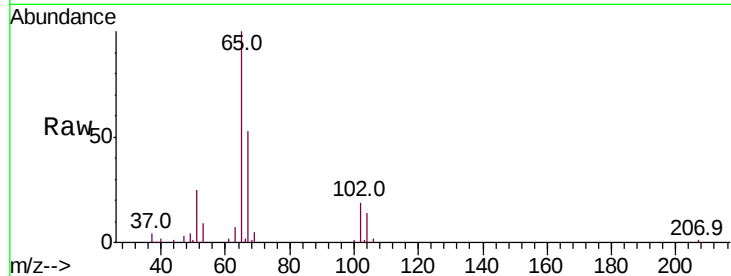




#33
 1,2-Dichloroethane-d4
 Concen: 69.528 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067280.D
 Acq: 15 Oct 2020 13:43

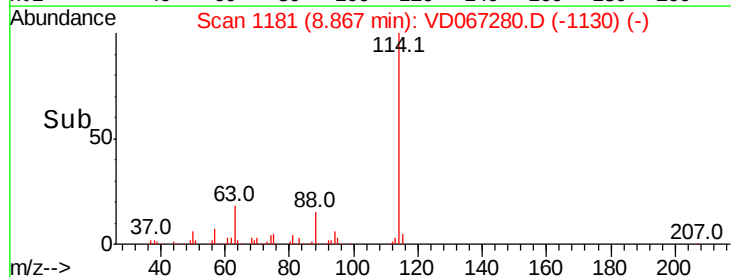
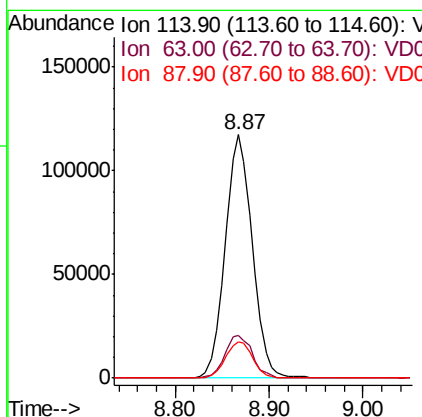
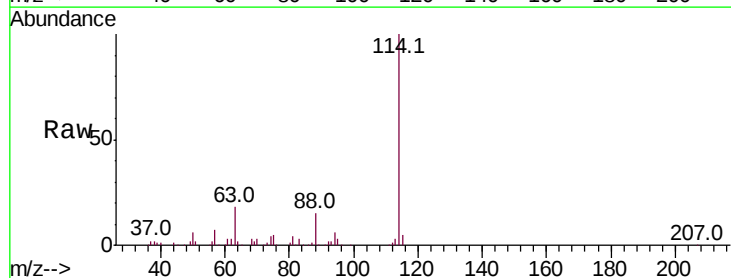
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

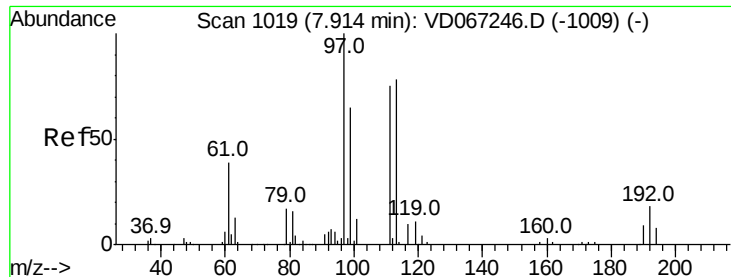
Tot Ion: 65 Resp: 95930
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067280.D
 Acq: 15 Oct 2020 13:43

Tgt Ion: 114 Resp: 234764
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 35.0
 88 14.9 0.0 30.6

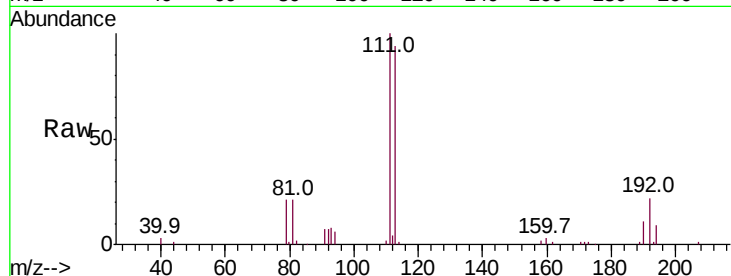




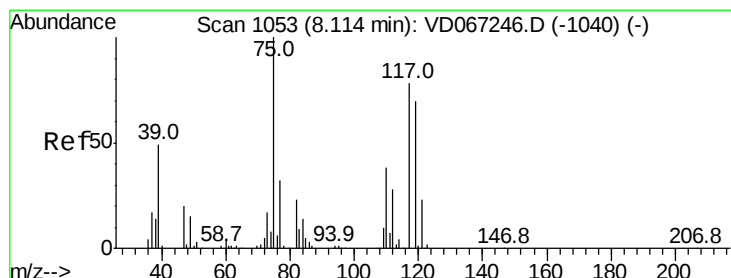
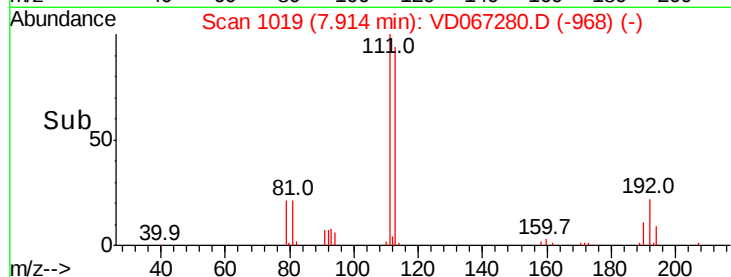
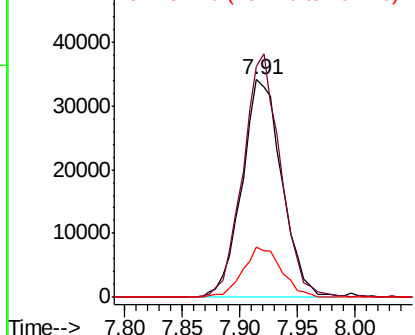
#35
 Dibromofluoromethane
 Concen: 52.586 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067280.D
 Acq: 15 Oct 2020 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Tot Ion:113 Resp: 82158
 Ion Ratio Lower Upper
 113 100
 111 105.5 81.6 122.4
 192 22.2 17.0 25.4

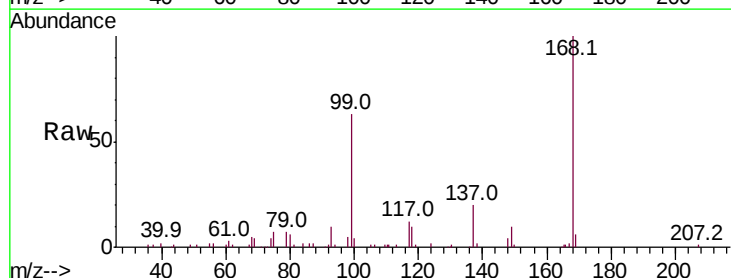


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

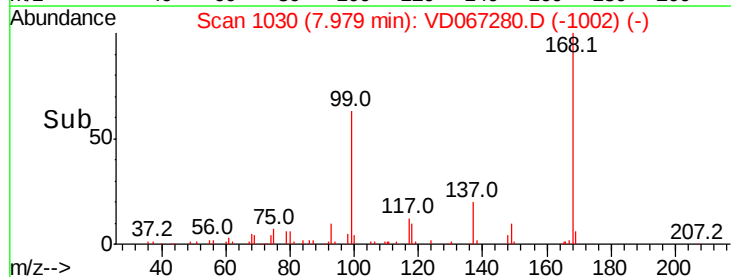
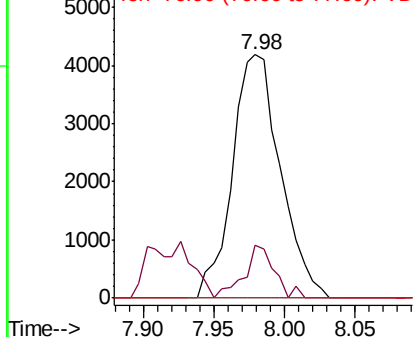


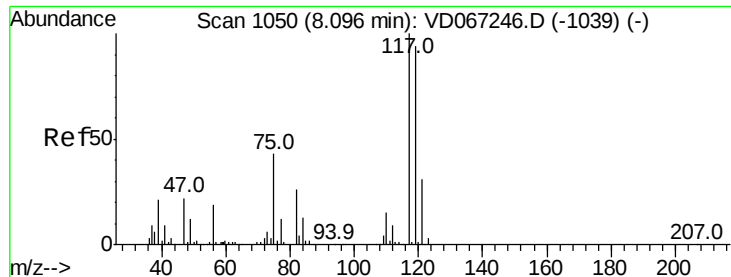
#36
 1,1-Dichloropropene
 Concen: 5.000 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD067280.D
 Acq: 15 Oct 2020 13:43

Tgt Ion: 75 Resp: 9948
 Ion Ratio Lower Upper
 75 100
 110 13.6 19.6 58.7#
 77 0.0 24.6 37.0#



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: 5.815 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067280.D

Acq: 15 Oct 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

TP-1

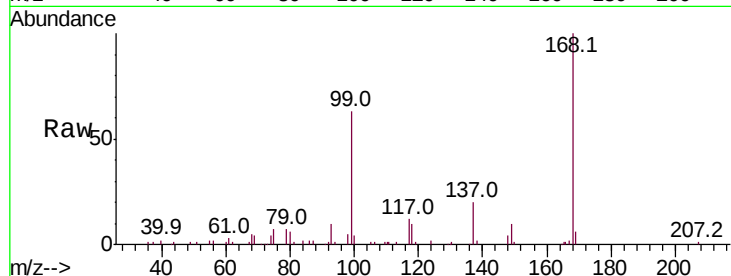
Tot Ion:117 Resp: 14788

Ion Ratio Lower Upper

117 100

119 5.7 75.0 112.4#

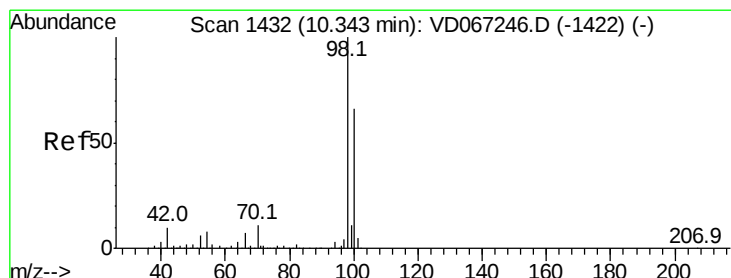
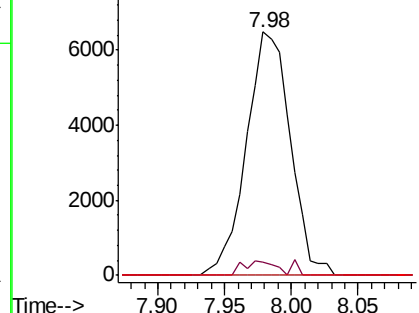
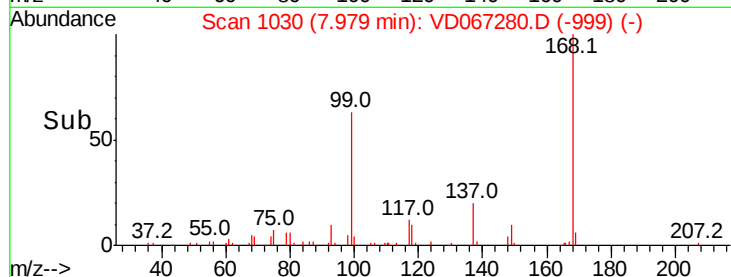
121 0.0 24.9 37.3#



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: 49.948 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067280.D

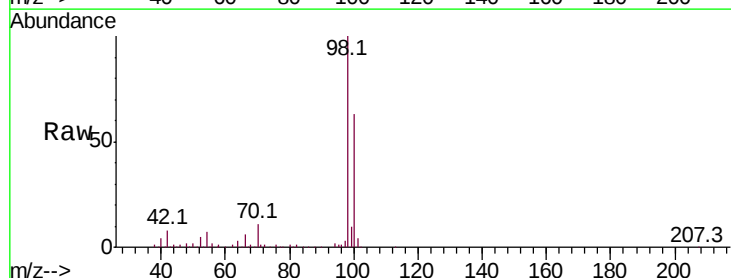
Acq: 15 Oct 2020 13:43

Tgt Ion: 98 Resp: 282406

Ion Ratio Lower Upper

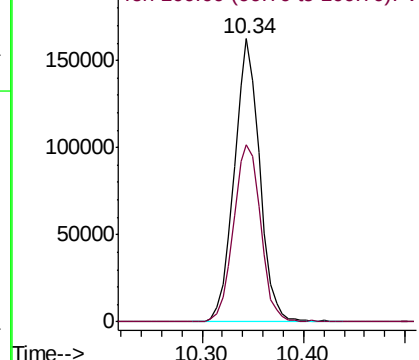
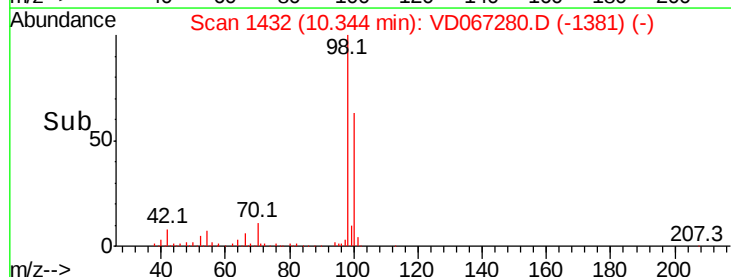
98 100

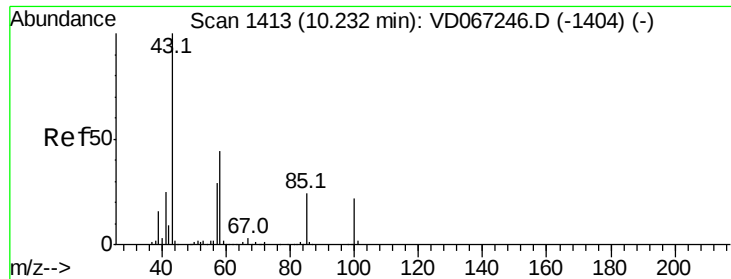
100 66.6 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.595 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.12 min

Lab File: VD067280.D

Acq: 15 Oct 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

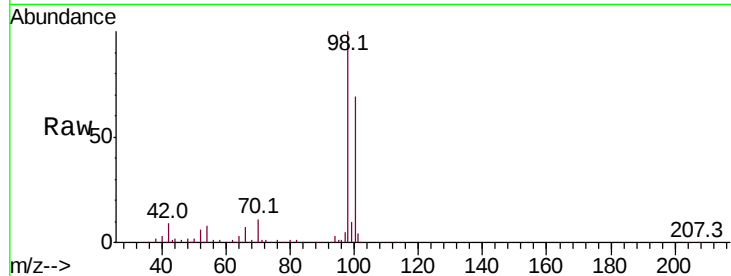
TP-1

Tot Ion: 43 Resp: 924

Ion Ratio Lower Upper

43 100

58 240.0 35.7 53.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

1500

1000

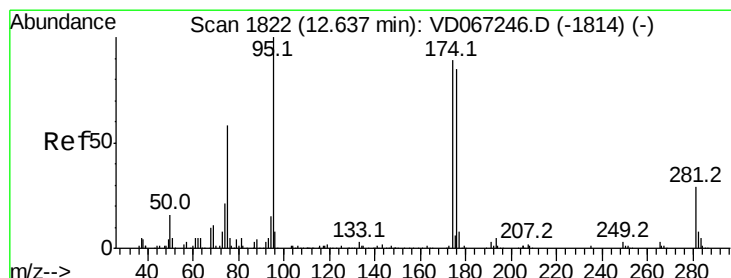
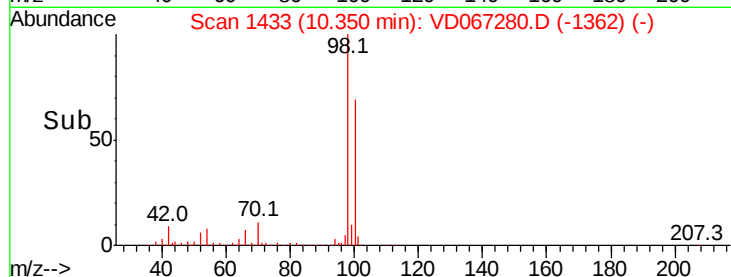
500

0

10.30

10.35

Time-->



#62

4-Bromofluorobenzene

Concen: 48.292 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067280.D

Acq: 15 Oct 2020 13:43

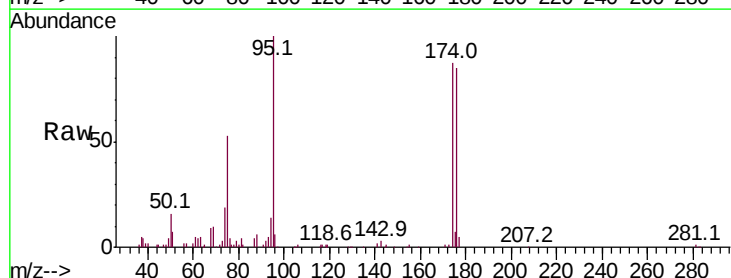
Tgt Ion: 95 Resp: 94943

Ion Ratio Lower Upper

95 100

174 91.8 0.0 175.2

176 88.4 0.0 168.6



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

80000

60000

40000

20000

0

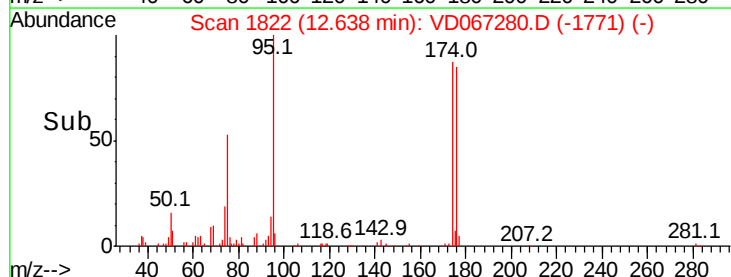
12.55

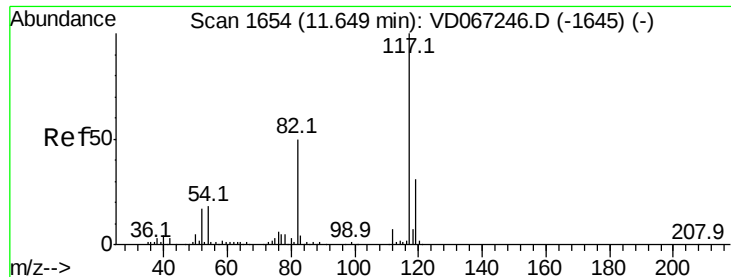
12.60

12.65

12.70

Time-->

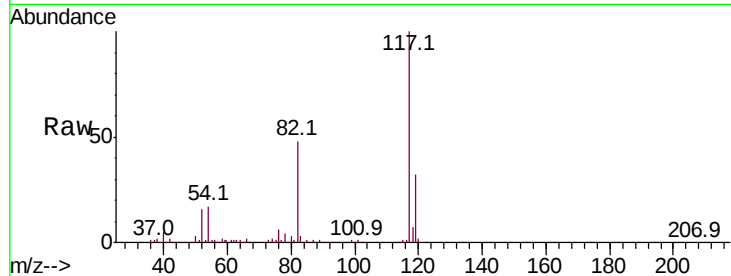




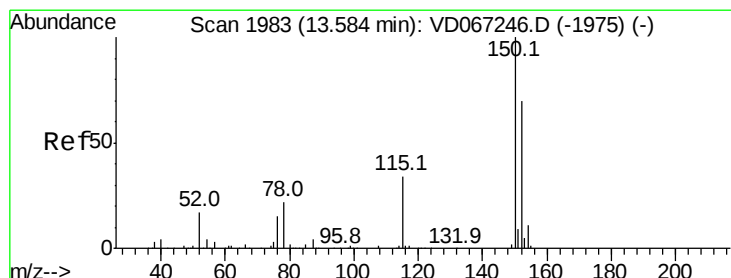
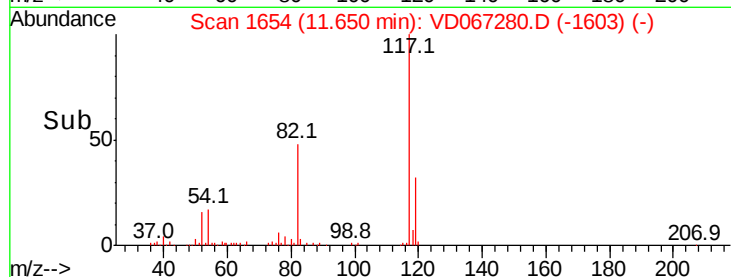
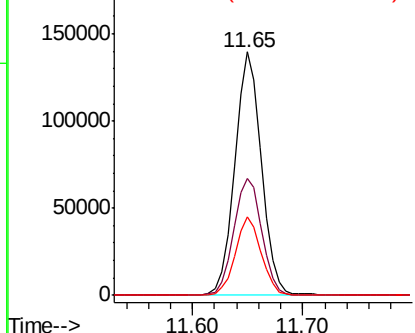
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067280.D
Acq: 15 Oct 2020 13:43

Instrument :
MSVOA_D
ClientSampleId :
TP-1

Tot Ion:117 Resp: 236090
Ion Ratio Lower Upper
117 100
82 48.1 39.9 59.9
119 32.3 24.9 37.3

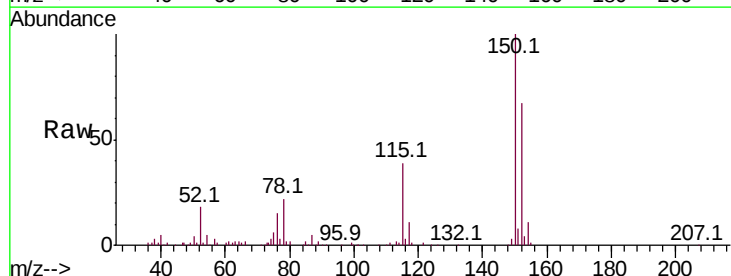


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

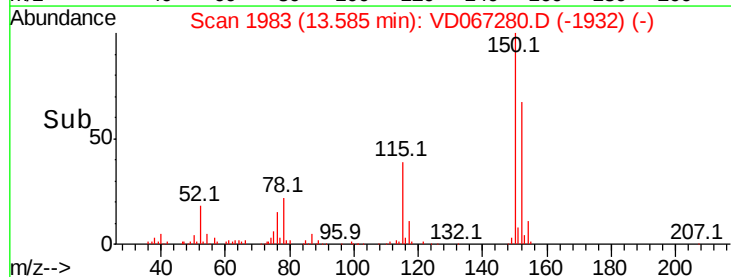
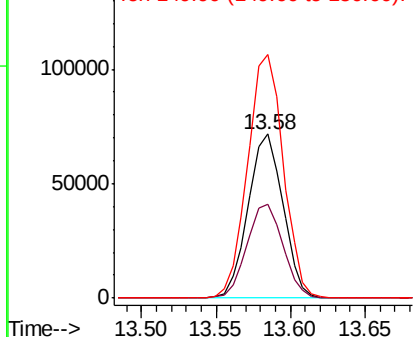


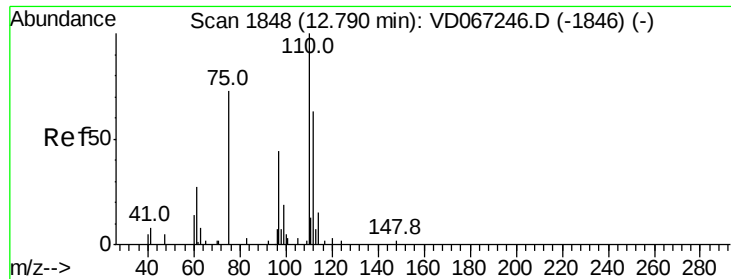
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067280.D
Acq: 15 Oct 2020 13:43

Tgt Ion:152 Resp: 115864
Ion Ratio Lower Upper
152 100
115 58.9 29.3 87.9
150 151.5 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: 62.350 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067280.D

Acq: 15 Oct 2020 13:43

Instrument :

MSVOA_D

ClientSampleId :

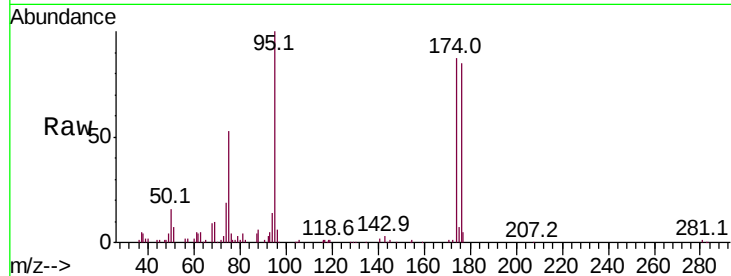
TP-1

Tot Ion: 75 Resp: 50070

Ion Ratio Lower Upper

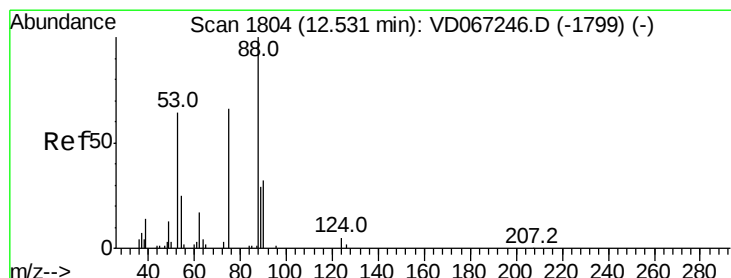
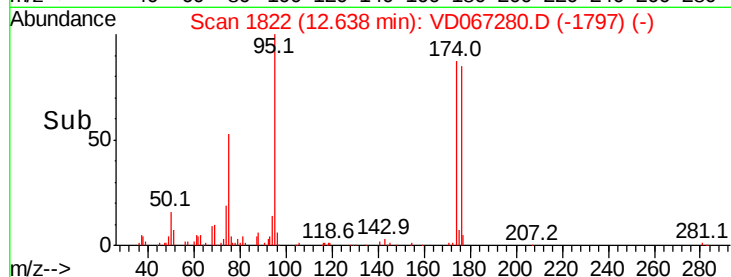
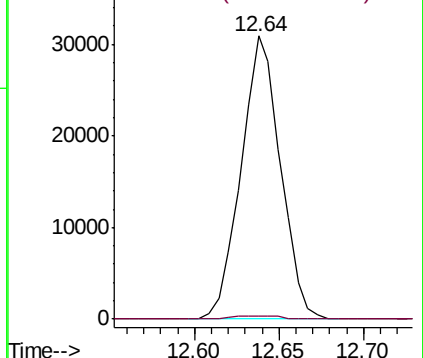
75 100

77 1.4 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: 141.391 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067280.D

Acq: 15 Oct 2020 13:43

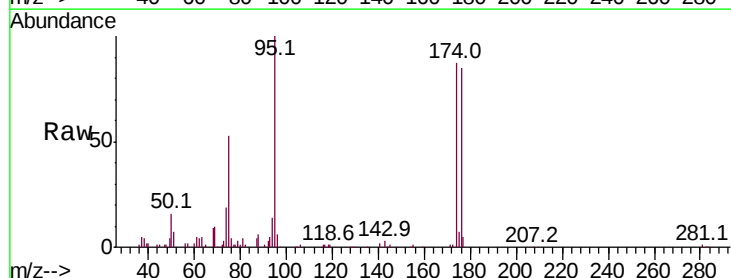
Tgt Ion: 75 Resp: 50070

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 39.9 59.9#



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

