

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100520\
 Data File : VD067084.D
 Acq On : 05 Oct 2020 15:30
 Operator : VA/SY
 Sample : L4190-07
 Misc : 6.78G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B14-092920-15-16

Quant Time: Oct 06 07:18:34 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	541038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	891689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	806216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	362551	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	248647	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
35) Dibromofluoromethane	7.92	113	282477	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
50) Toluene-d8	10.34	98	1059468	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.64	95	339842	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	

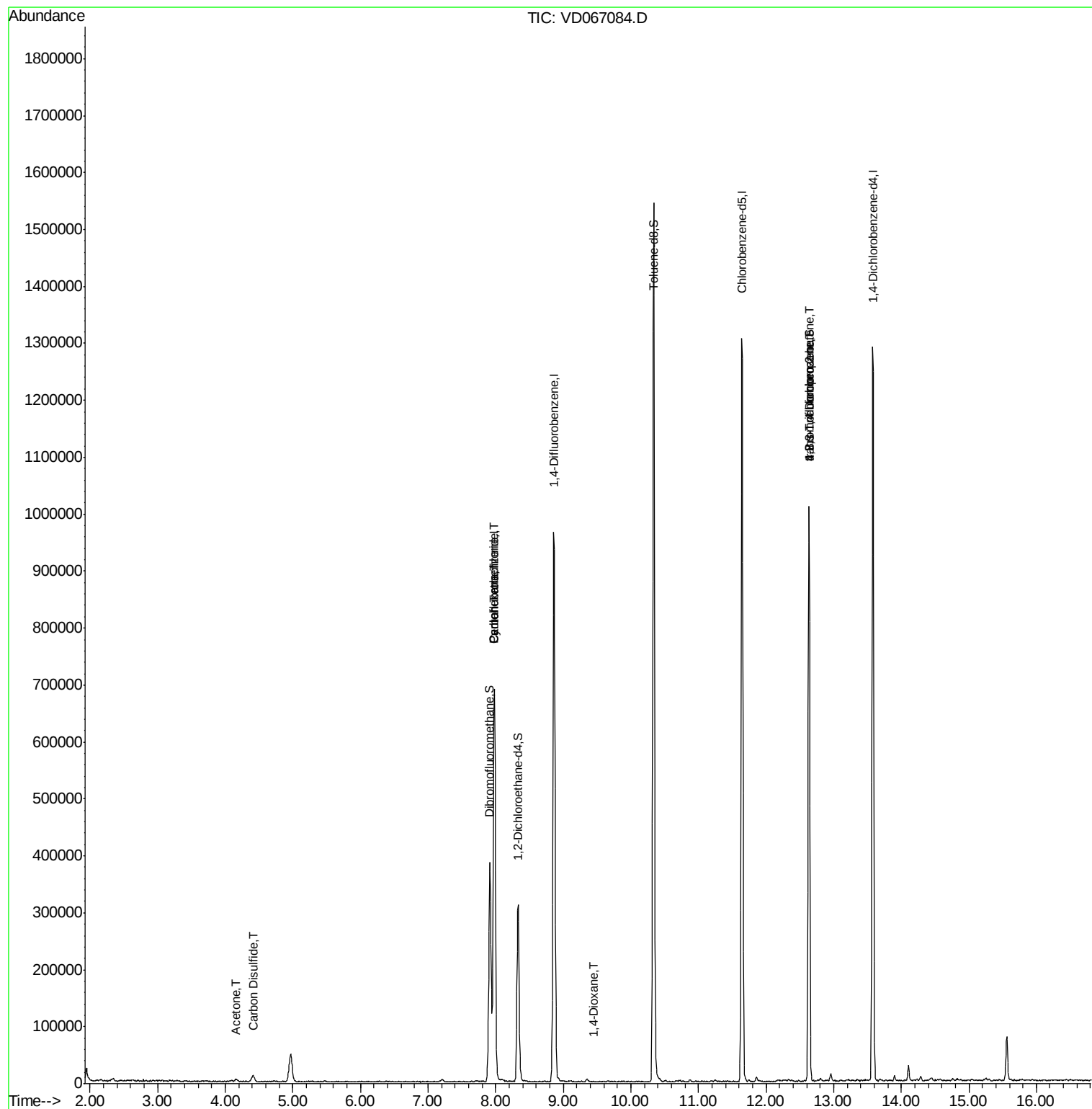
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	480	Below Cal		94
5) Bromomethane	2.77	94	889	Below Cal		86
11) Tert butyl alcohol	5.23	59	354	Below Cal	#	72
16) Acetone	4.16	43	7929	9.967	ug/l #	64
17) Carbon Disulfide	4.41	76	24913	1.592	ug/l	97
26) 2,2-Dichloropropane	7.21	77	592	Below Cal		99
31) Cyclohexane	7.98	56	11032	1.410	ug/l #	1
38) Carbon Tetrachloride	7.98	117	52228	5.808	ug/l #	15
49) 1,4-Dioxane	9.44	88	114	3.504	ug/l #	32
76) 1,2,3-Trichloropropane	12.64	75	160370	50.783	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	160370	126.609	ug/l #	12

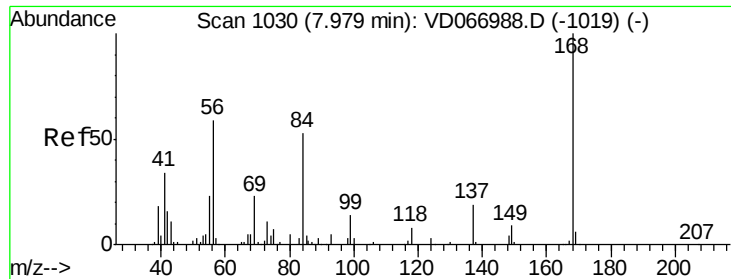
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100520\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
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# 1031

Delta R.T. 0.01 min

Lab File: VD067084.D

Acq: 05 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

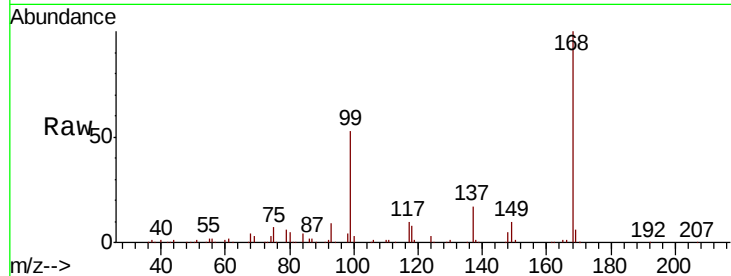
PAV-B14-092920-15-16

Tot Ion:168 Resp: 541038

Ion Ratio Lower Upper

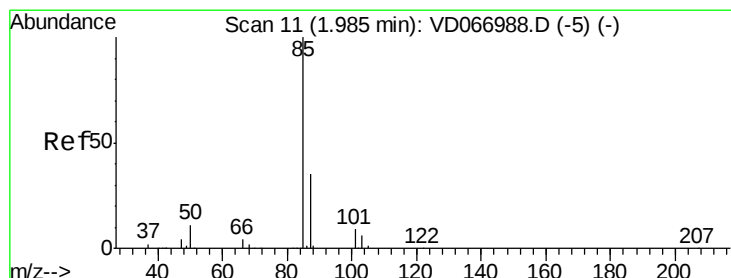
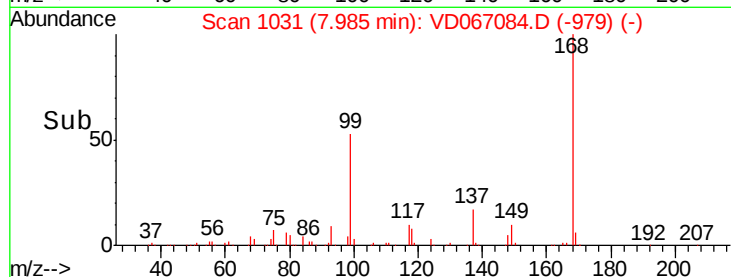
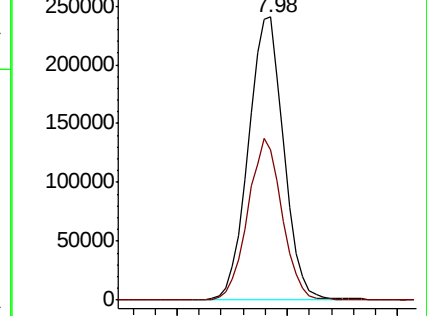
168 100

99 53.0 44.1 66.1



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: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067084.D

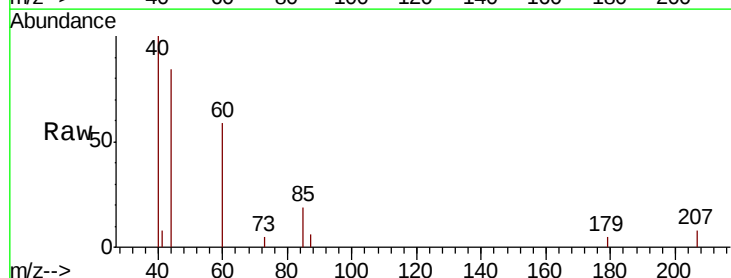
Acq: 05 Oct 2020 15:30

Tgt Ion: 85 Resp: 480

Ion Ratio Lower Upper

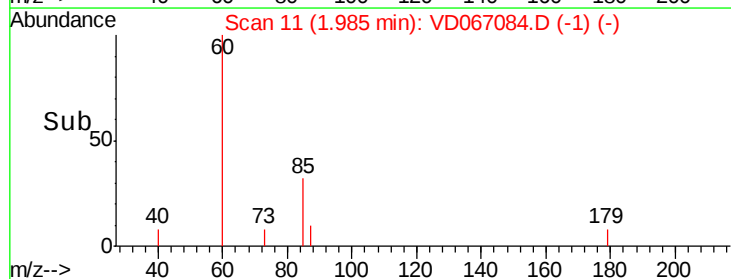
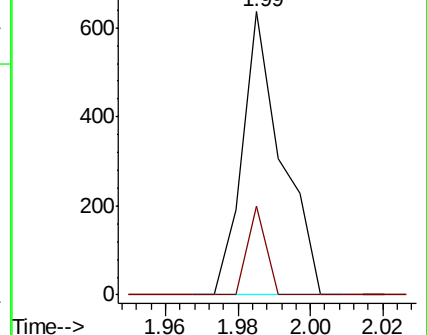
85 100

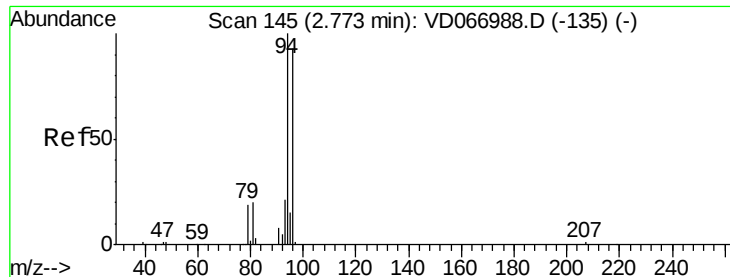
87 31.4 17.3 52.0



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: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067084.D

Acq: 05 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

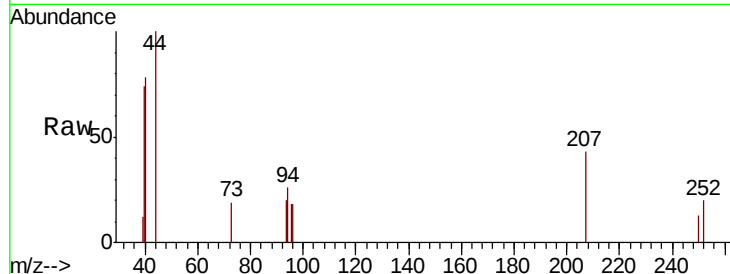
PAV-B14-092920-15-16

Tot Ion: 94 Resp: 889

Ion Ratio Lower Upper

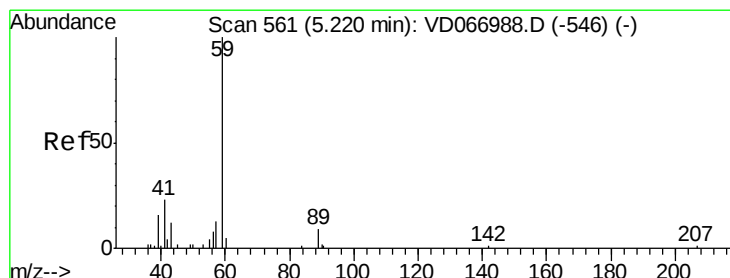
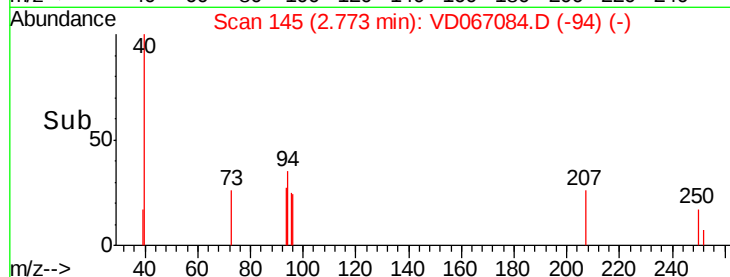
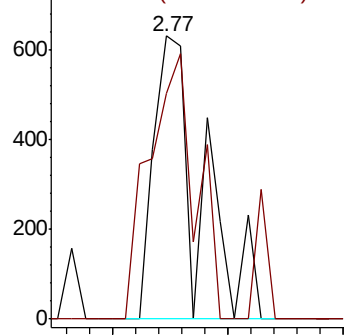
94 100

96 79.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD067084.D

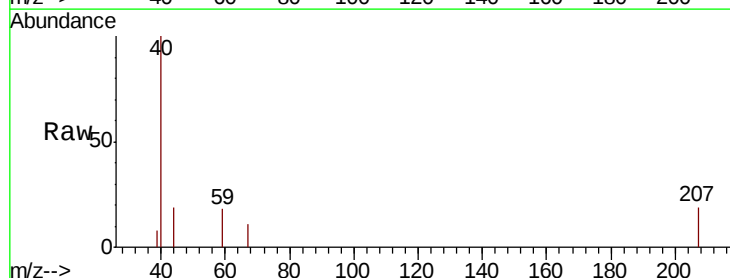
Acq: 05 Oct 2020 15:30

Tgt Ion: 59 Resp: 354

Ion Ratio Lower Upper

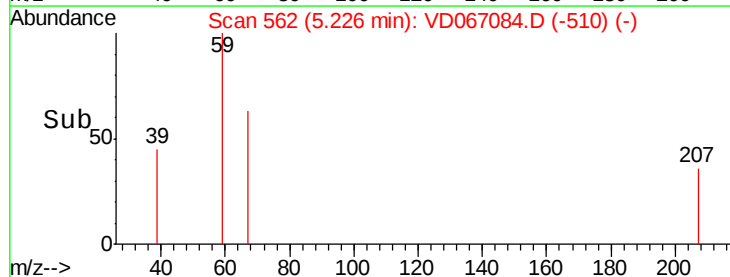
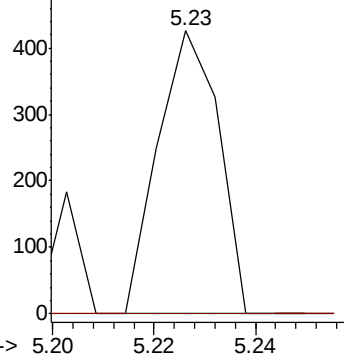
59 100

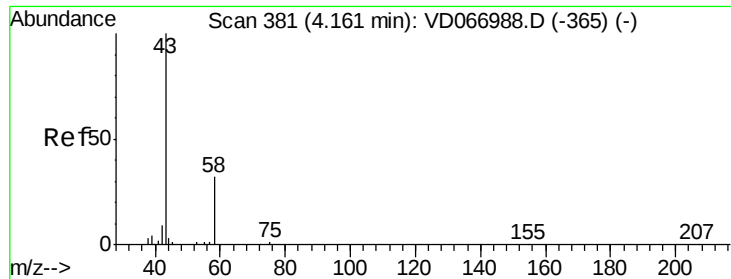
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

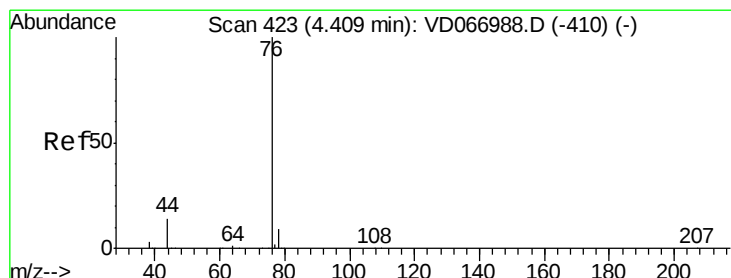
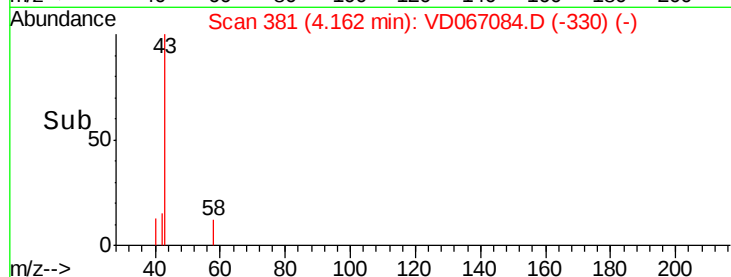
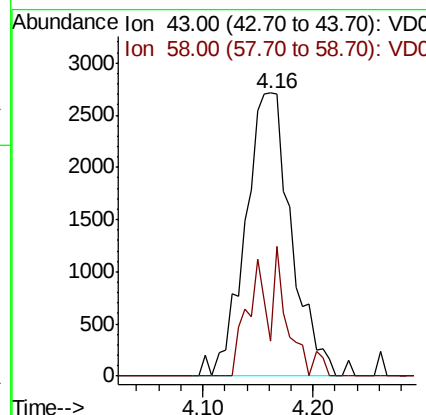
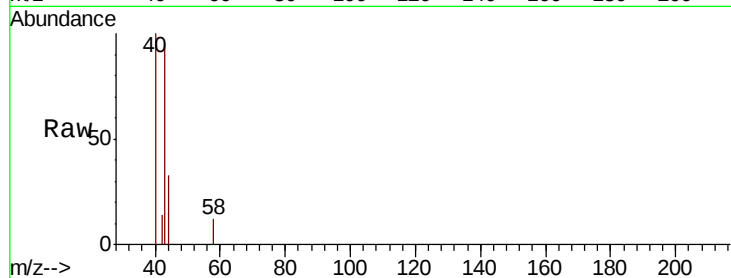




#16
Acetone
Concen: 9.967 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.00 min
Lab File: VD067084.D
Acq: 05 Oct 2020 15:30

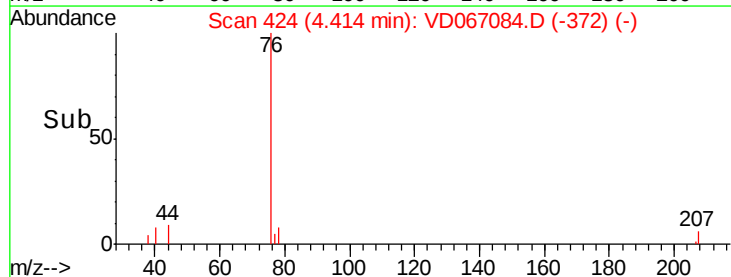
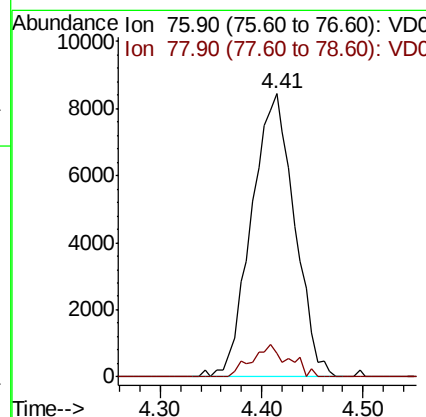
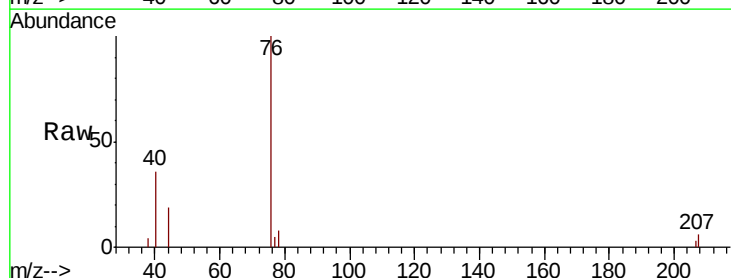
Instrument :
MSVOA_D
ClientSampleId :
PAV-B14-092920-15-16

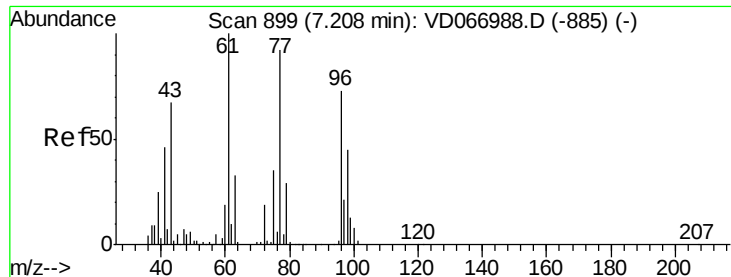
Tot Ion: 43 Resp: 7929
Ion Ratio Lower Upper
43 100
58 12.4 25.9 38.9#



#17
Carbon Disulfide
Concen: 1.592 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067084.D
Acq: 05 Oct 2020 15:30

Tgt Ion: 76 Resp: 24913
Ion Ratio Lower Upper
76 100
78 8.1 7.5 11.3

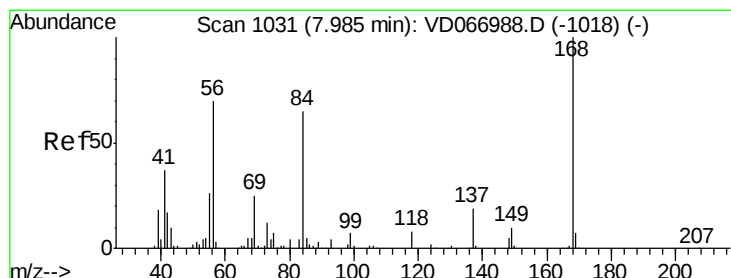
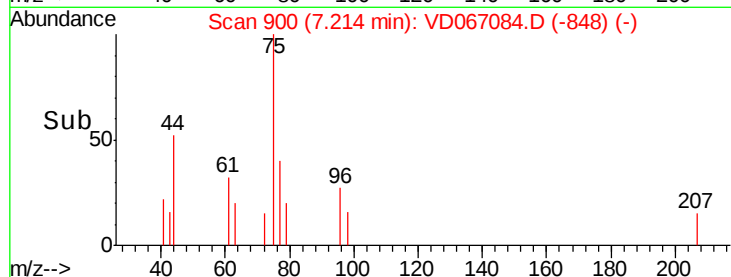
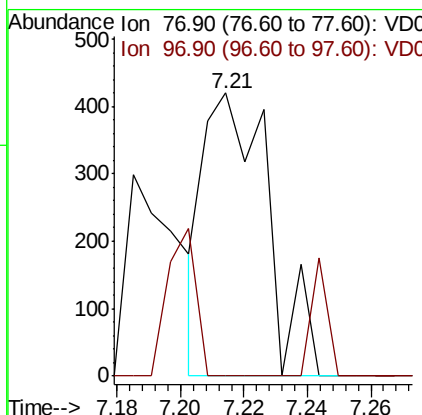
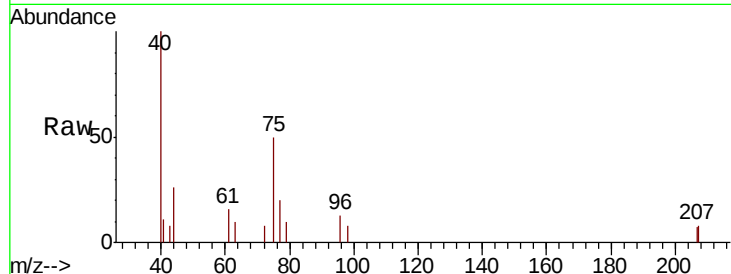




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD067084.D
 Acq: 05 Oct 2020 15:30

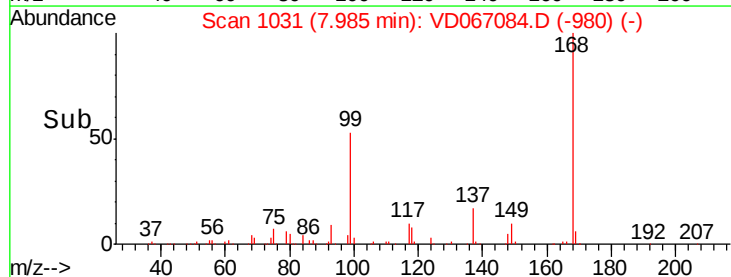
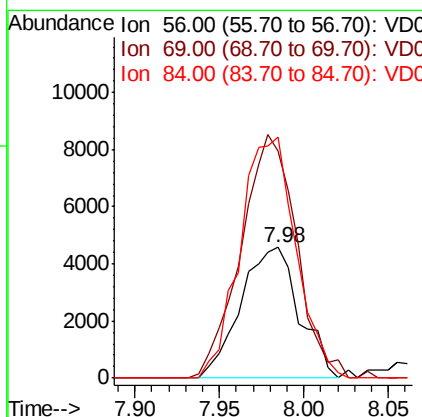
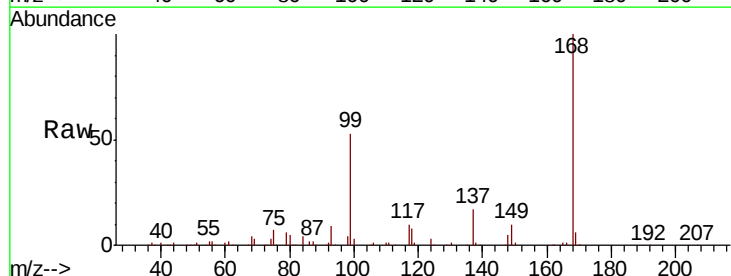
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B14-092920-15-16

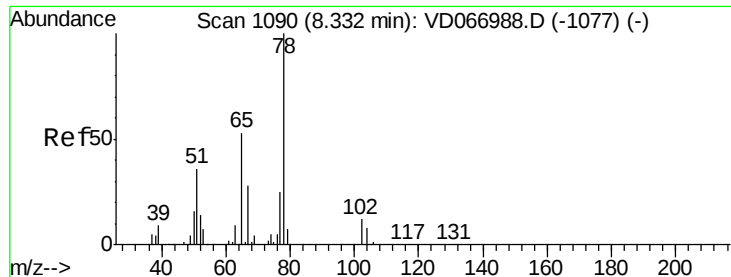
Tot Ion: 77 Resp: 592
 Ion Ratio Lower Upper
 77 100
 97 23.1 11.4 34.2



#31
 Cyclohexane
 Concen: 1.410 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VD067084.D
 Acq: 05 Oct 2020 15:30

Tgt Ion: 56 Resp: 11032
 Ion Ratio Lower Upper
 56 100
 69 173.8 29.0 43.6#
 84 184.4 74.2 111.2#

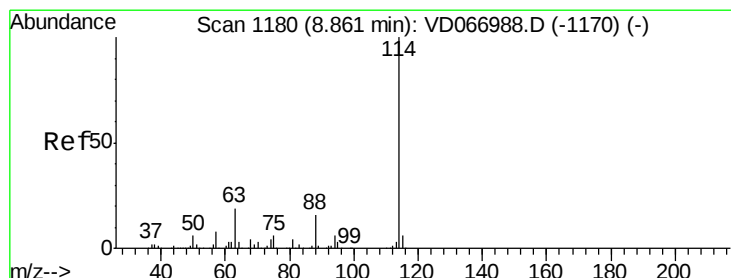
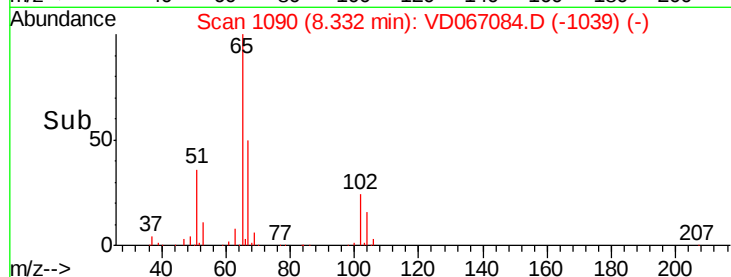
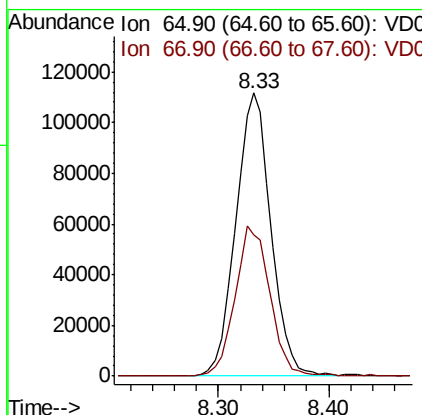
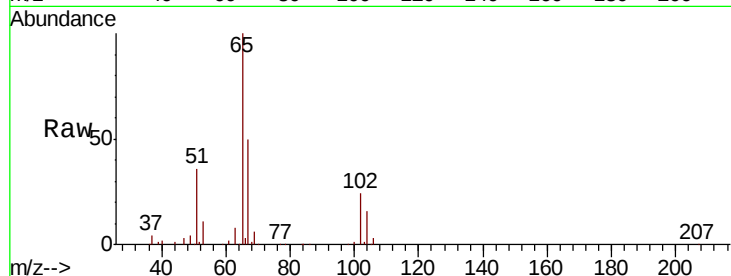




#33
 1,2-Dichloroethane-d4
 Concen: 47.713 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067084.D
 Acq: 05 Oct 2020 15:30

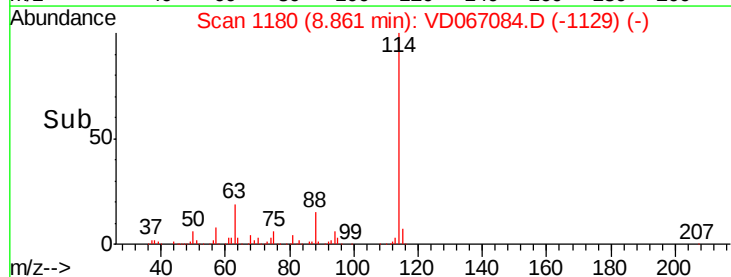
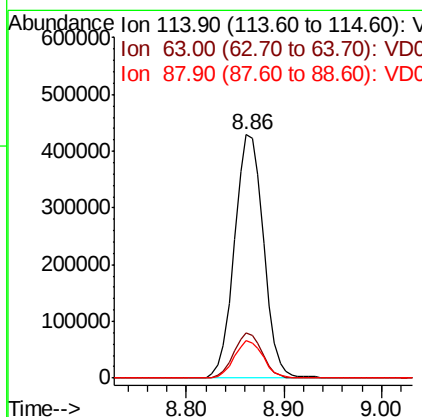
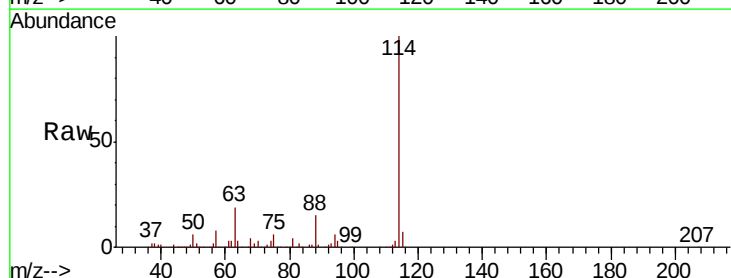
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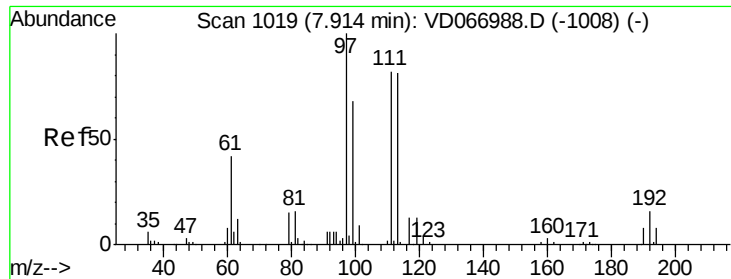
Tot Ion: 65 Resp: 248647
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067084.D
 Acq: 05 Oct 2020 15:30

Tgt Ion: 114 Resp: 891689
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.4
 88 15.4 0.0 31.2

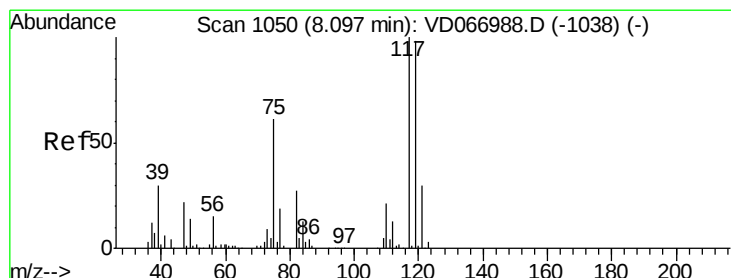
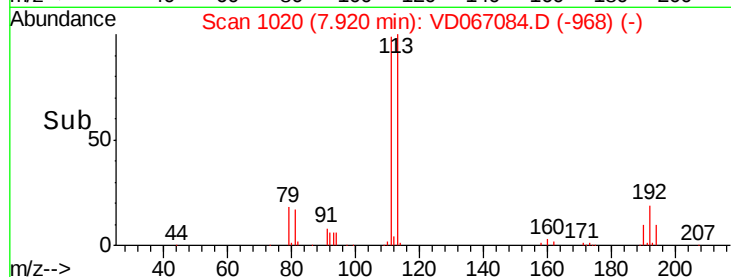
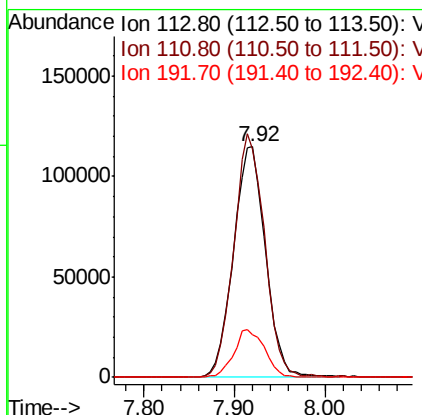
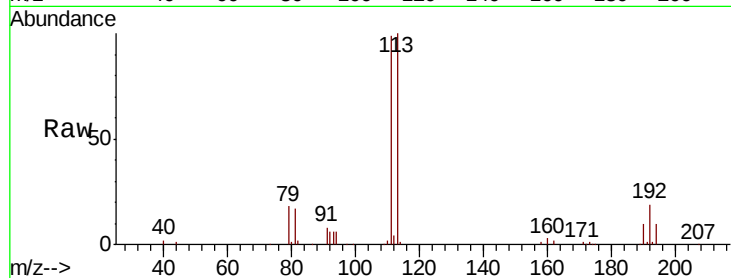




#35
Dibromofluoromethane
Concen: 48.388 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067084.D
Acq: 05 Oct 2020 15:30

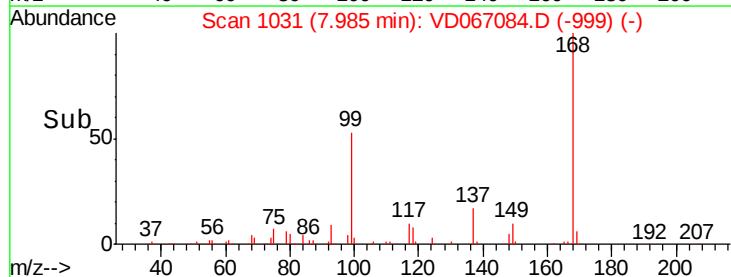
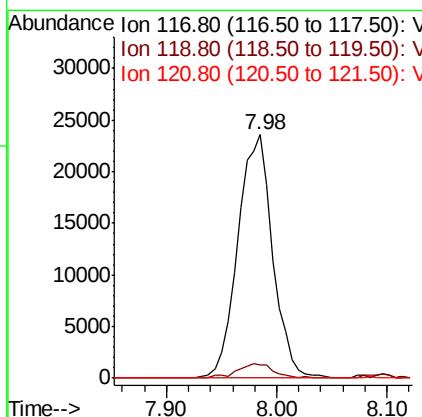
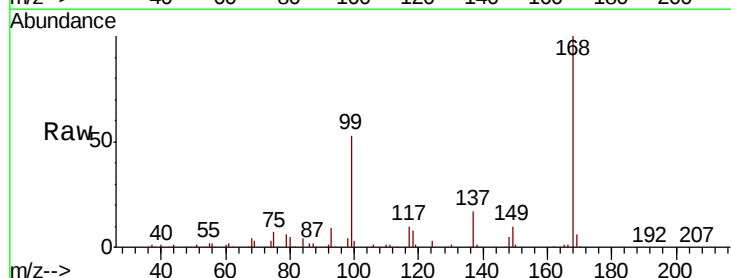
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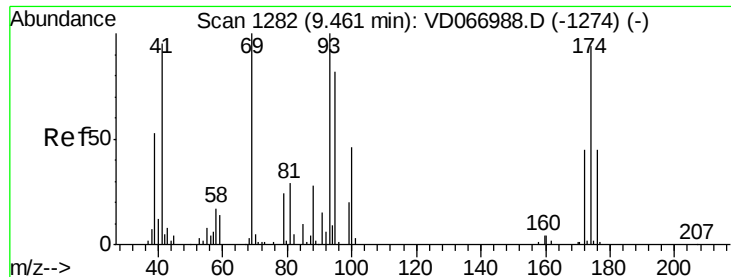
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	83.0	124.4
192	19.9	15.5	23.3



#38
Carbon Tetrachloride
Concen: 5.808 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD067084.D
Acq: 05 Oct 2020 15:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	78.7	118.1#
121	0.0	24.2	36.2#





#49

1,4-Dioxane

Concen: 3.504 ug/l

RT: 9.44 min Scan# 1279

Delta R.T. -0.02 min

Lab File: VD067084.D

Acq: 05 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

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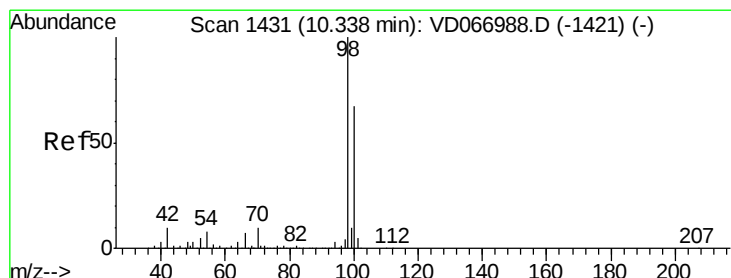
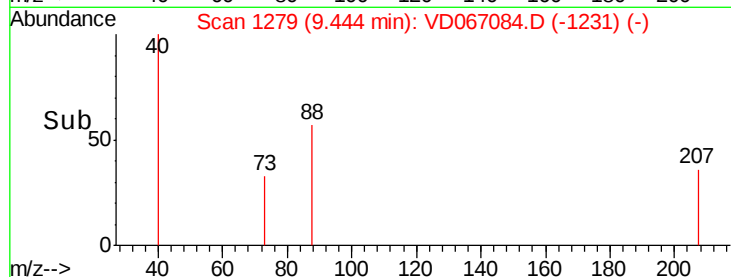
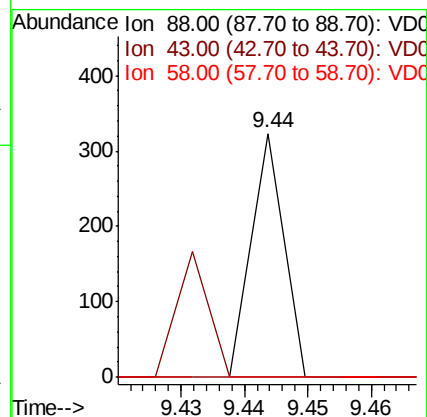
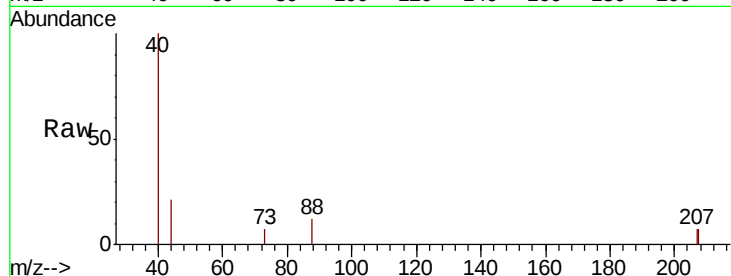
Tot Ion: 88 Resp: 114

Ion Ratio Lower Upper

88 100

43 51.8 25.6 38.4#

58 0.0 53.5 80.3#



#50

Toluene-d8

Concen: 49.806 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067084.D

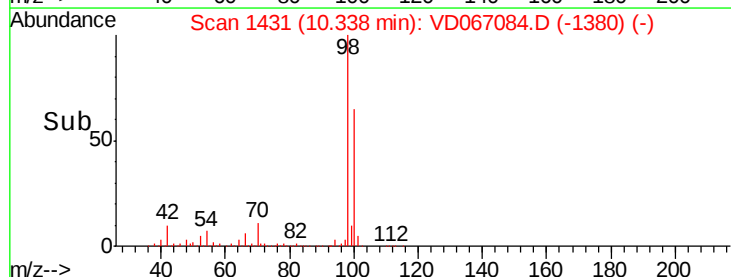
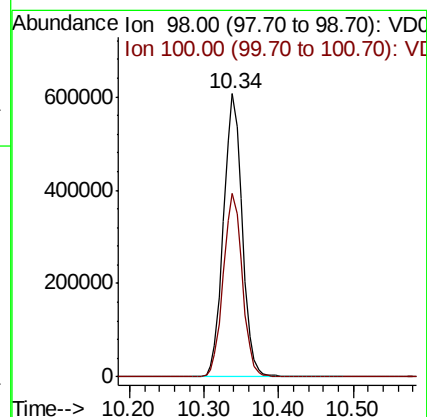
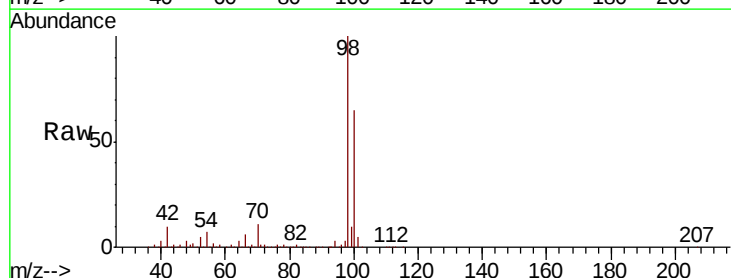
Acq: 05 Oct 2020 15:30

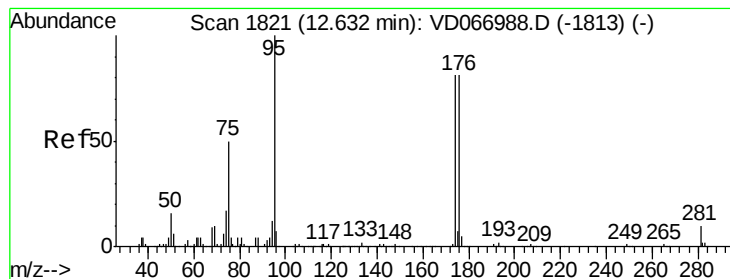
Tgt Ion: 98 Resp: 1059468

Ion Ratio Lower Upper

98 100

100 65.6 52.8 79.2





#62

4-Bromofluorobenzene

Concen: 47.061 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067084.D

Acq: 05 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

PAV-B14-092920-15-16

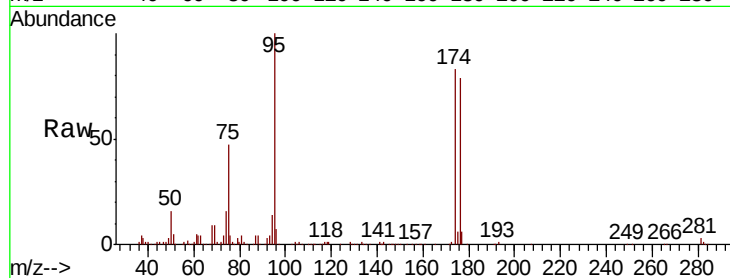
Tot Ion: 95 Resp: 339842

Ion Ratio Lower Upper

95 100

174 83.9 0.0 167.6

176 79.2 0.0 162.4



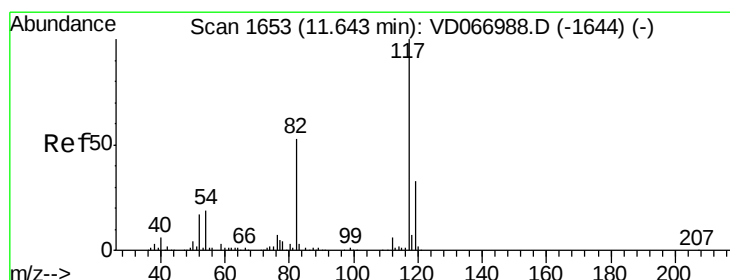
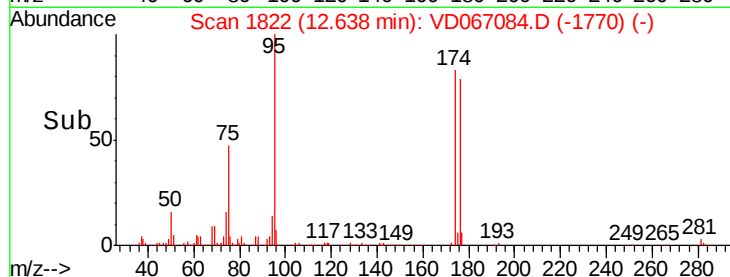
Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.64

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD067084.D

Acq: 05 Oct 2020 15:30

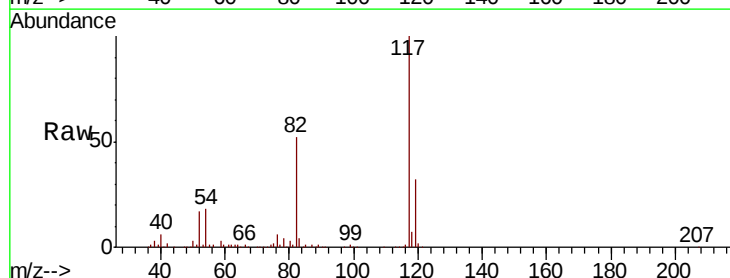
Tgt Ion: 117 Resp: 806216

Ion Ratio Lower Upper

117 100

82 52.2 42.6 63.8

119 32.4 26.3 39.5



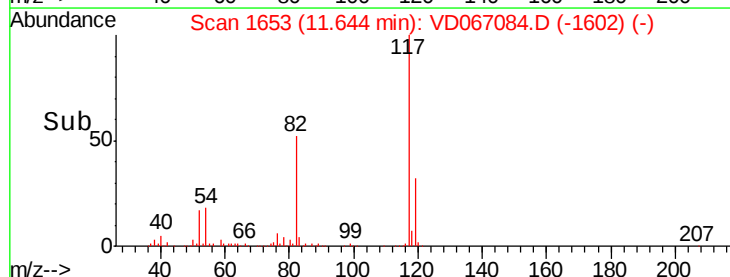
Abundance Ion 116.90 (116.60 to 117.60): V

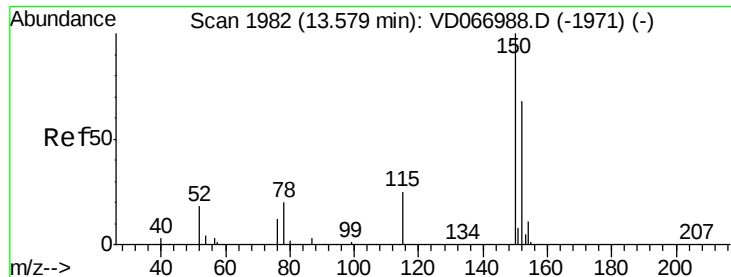
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

11.64

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067084.D

Acq: 05 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

PAV-B14-092920-15-16

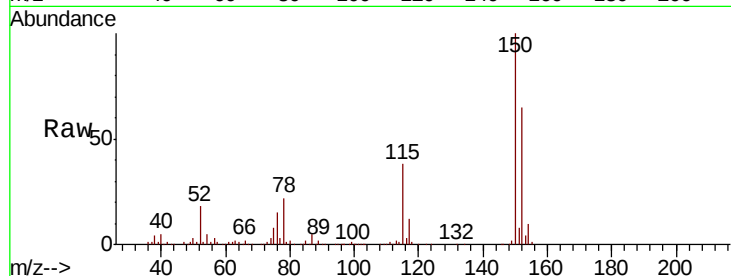
Tot Ion:152 Resp: 362551

Ion Ratio Lower Upper

152 100

115 58.1 29.6 88.8

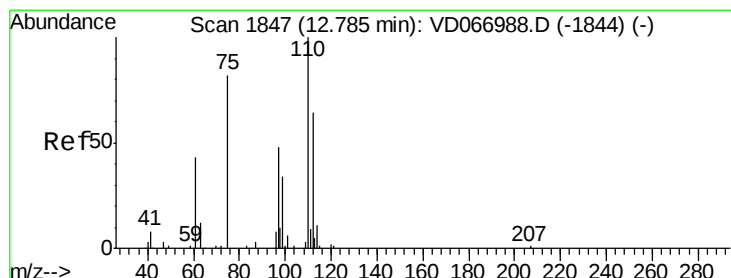
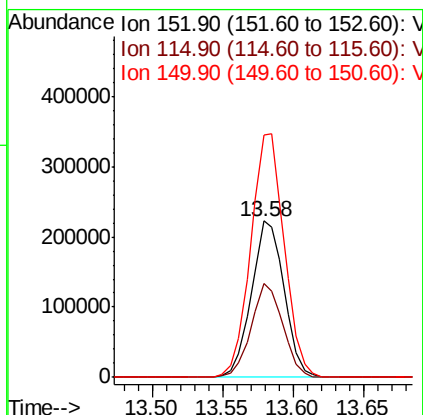
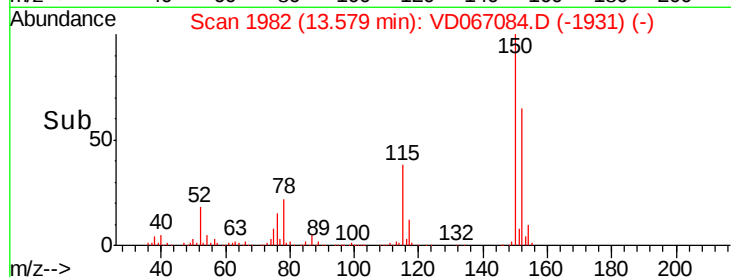
150 159.3 0.0 344.8



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: 50.783 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067084.D

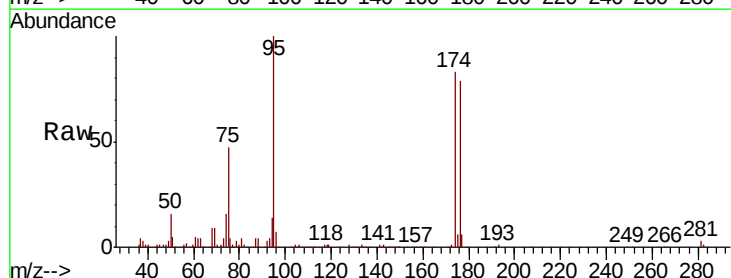
Acq: 05 Oct 2020 15:30

Tgt Ion: 75 Resp: 160370

Ion Ratio Lower Upper

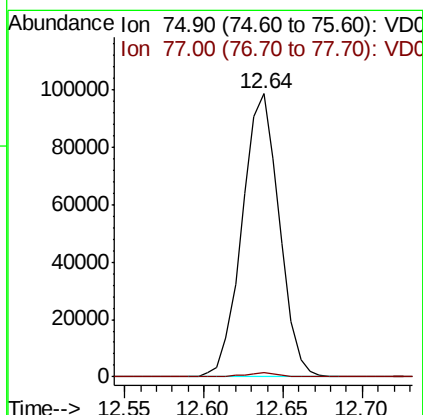
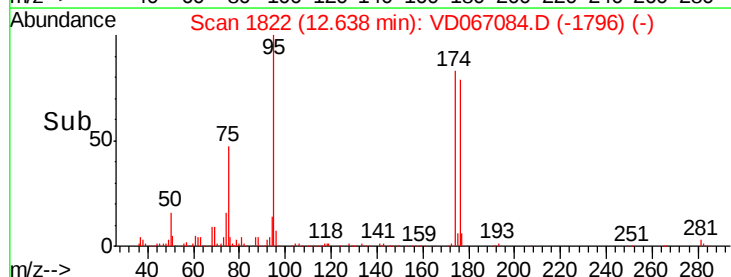
75 100

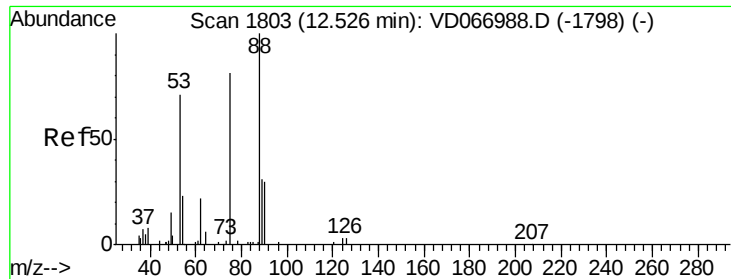
77 1.2 0.0 0.0#



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: 126.609 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067084.D

Acq: 05 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

PAV-B14-092920-15-16

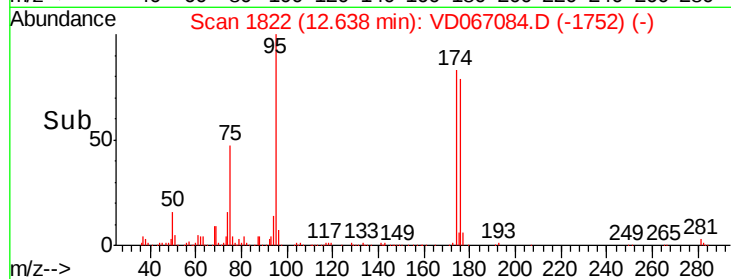
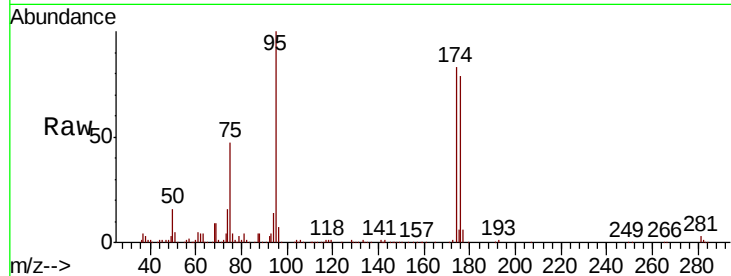
Tot Ion: 75 Resp: 160370

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.1 38.9 58.3#



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

