

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD113020\
 Data File : VD067815.D
 Acq On : 30 Nov 2020 15:39
 Operator : VA/SY
 Sample : L4882-07
 Misc : 5.92G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B48-112320-15.5-16.5

Quant Time: Dec 01 00:16:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	165592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	246166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	194564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	60066	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	91259	56.68	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.36%
35) Dibromofluoromethane	7.91	113	83387	53.23	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.46%
50) Toluene-d8	10.34	98	257193	44.90	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	89.80%
62) 4-Bromofluorobenzene	12.64	95	63230	32.30	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	64.60%

Target Compounds

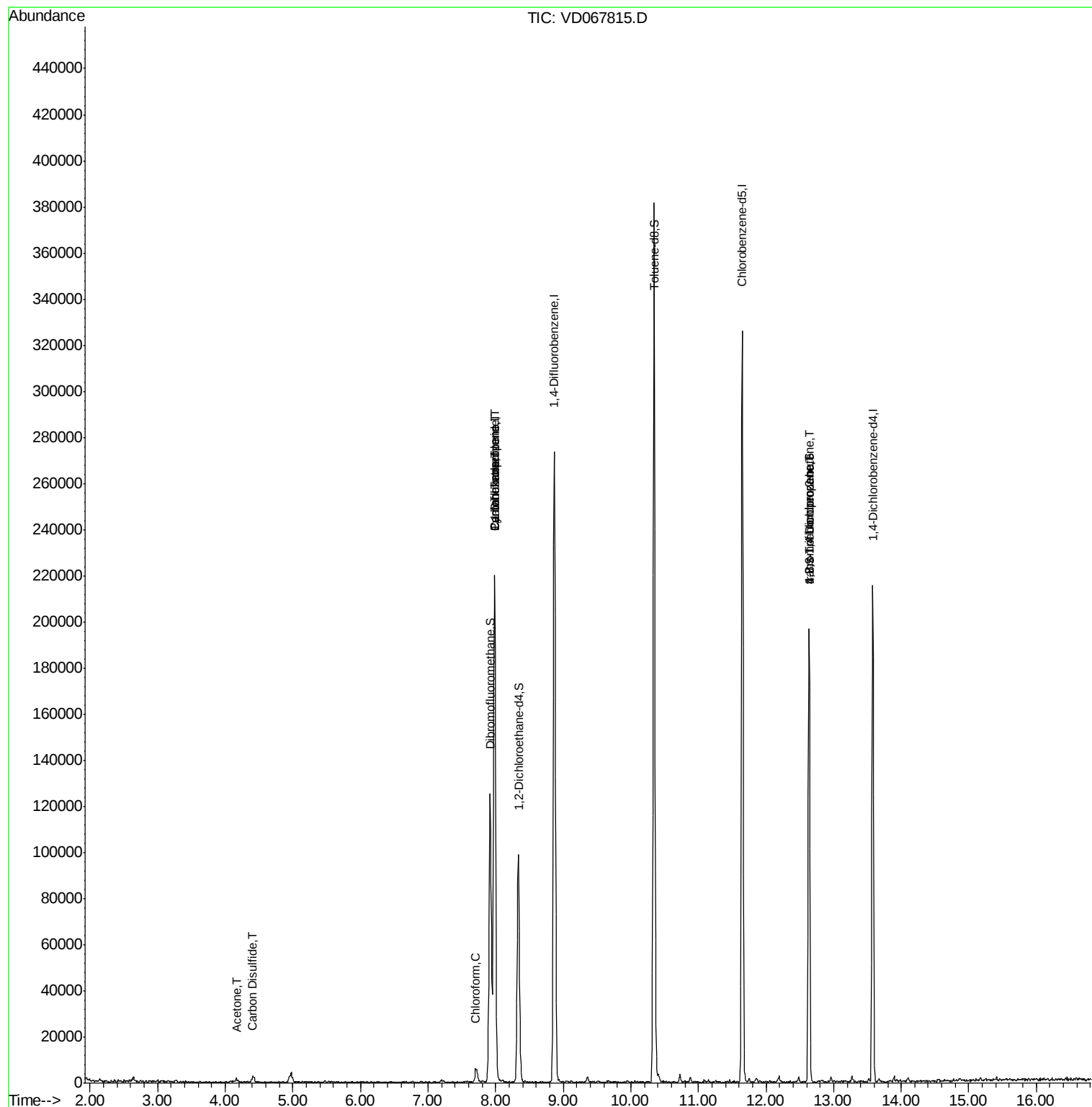
					Qvalue	
16) Acetone	4.17	43	2428	11.673	ug/l #	81
17) Carbon Disulfide	4.41	76	4987	1.268	ug/l	97
20) Methylene Chloride	4.98	84	3957	Below Cal	#	87
30) Chloroform	7.70	83	4575	1.591	ug/l #	52
31) Cyclohexane	7.99	56	3563	1.829	ug/l #	60
36) 1,1-Dichloropropene	7.99	75	10894	5.157	ug/l #	45
38) Carbon Tetrachloride	7.99	117	18178	5.937	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	31675	75.663	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	31675	176.971	ug/l #	11

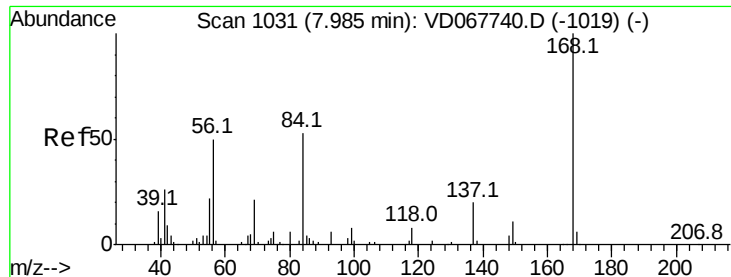
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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PAV-B48-112320-15.5-16.5

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Quant Title : SW846 8260
QLast Update : Tue Nov 24 00:51:35 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: VD067815.D

Acq: 30 Nov 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

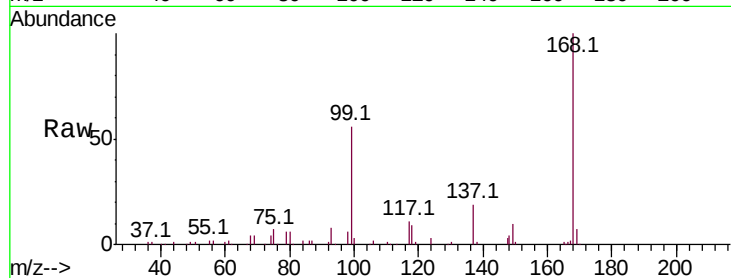
PAV-B48-112320-15.5-16.5

Tot Ion:168 Resp: 165592

Ion Ratio Lower Upper

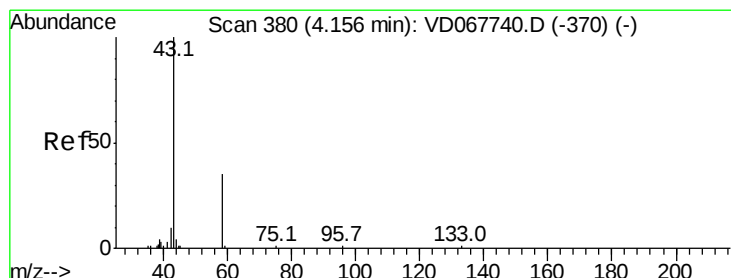
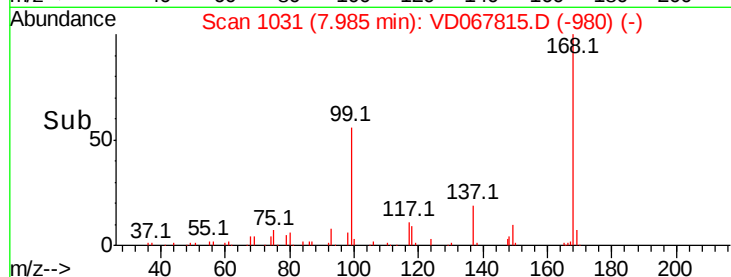
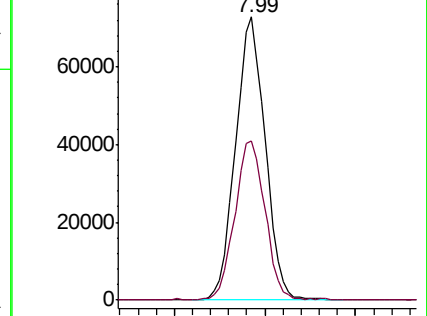
168 100

99 56.5 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 11.673 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067815.D

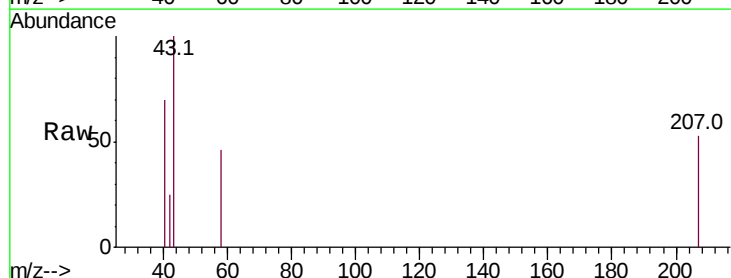
Acq: 30 Nov 2020 15:39

Tgt Ion: 43 Resp: 2428

Ion Ratio Lower Upper

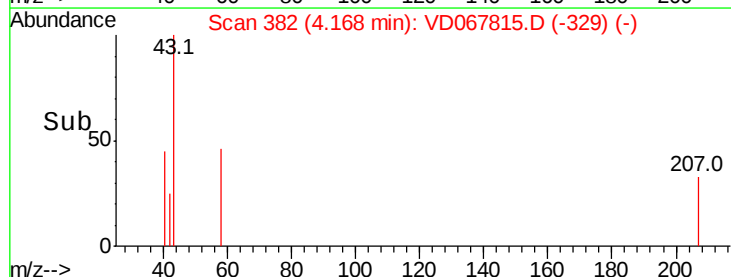
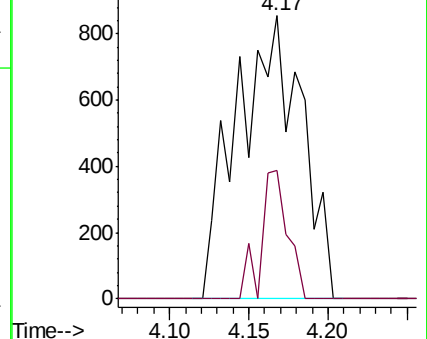
43 100

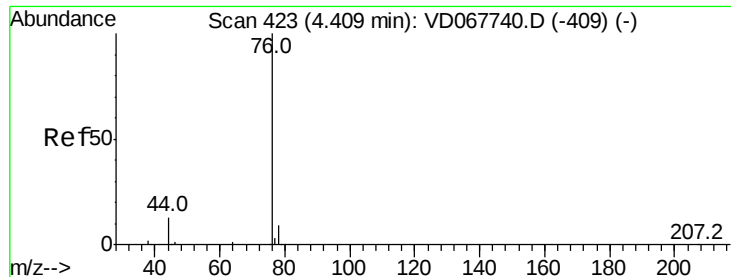
58 45.6 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 1.268 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067815.D

Acq: 30 Nov 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

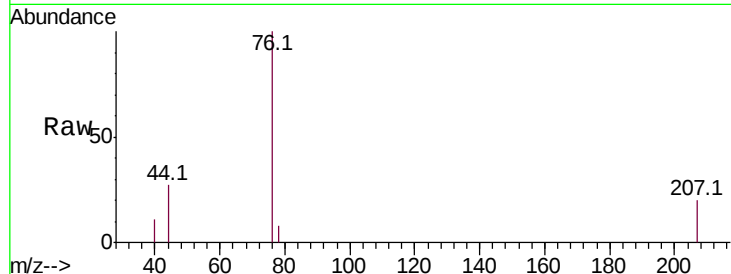
PAV-B48-112320-15.5-16.5

Tot Ion: 76 Resp: 4987

Ion Ratio Lower Upper

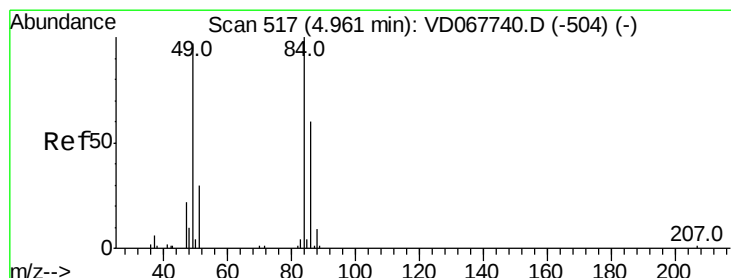
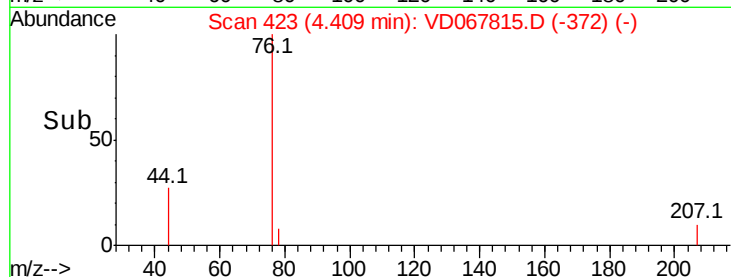
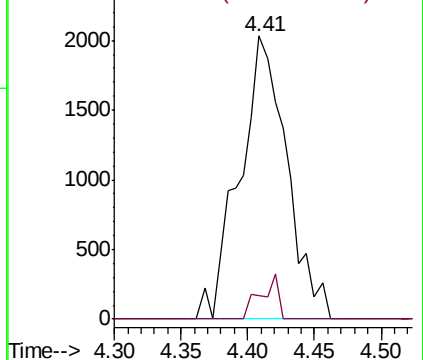
76 100

78 8.2 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.98 min Scan# 520

Delta R.T. 0.02 min

Lab File: VD067815.D

Acq: 30 Nov 2020 15:39

Tgt Ion: 84 Resp: 3957

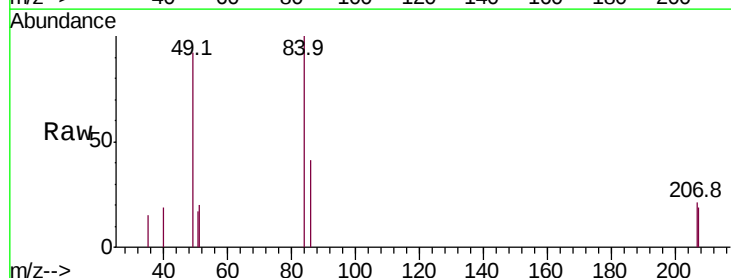
Ion Ratio Lower Upper

84 100

49 91.7 77.4 116.2

51 37.1 24.1 36.1#

86 40.8 48.2 72.2#

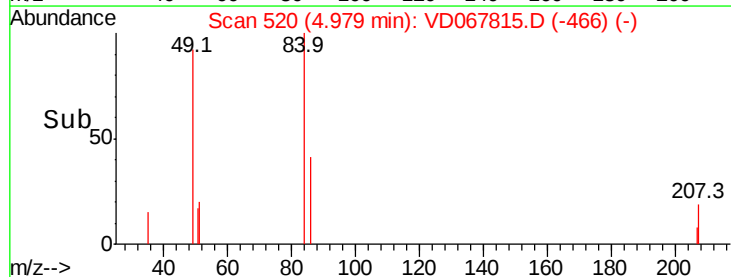
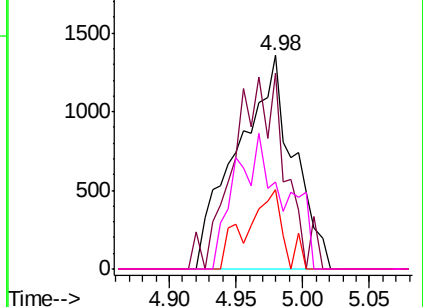


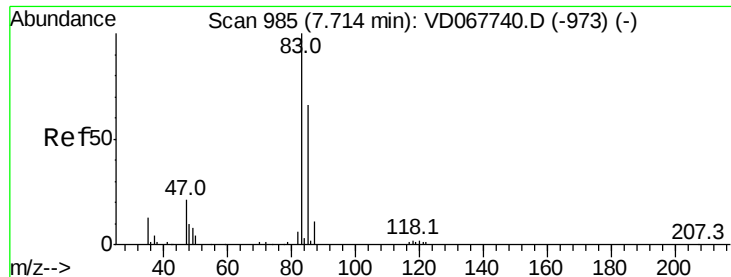
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

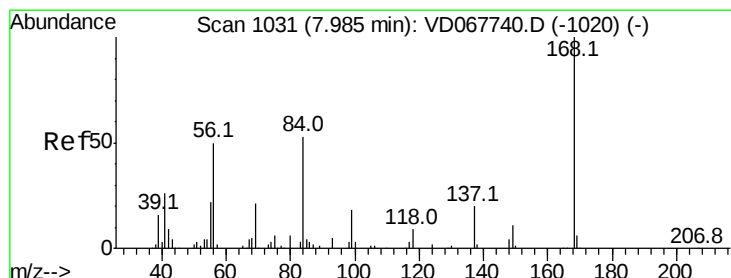
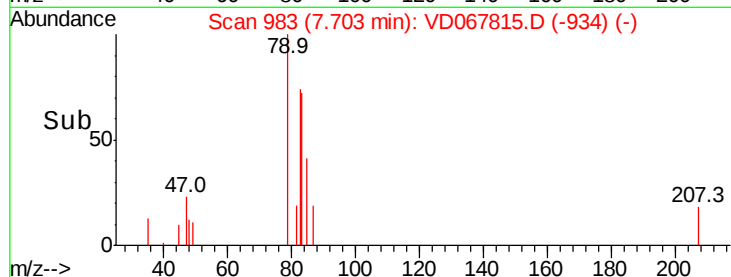
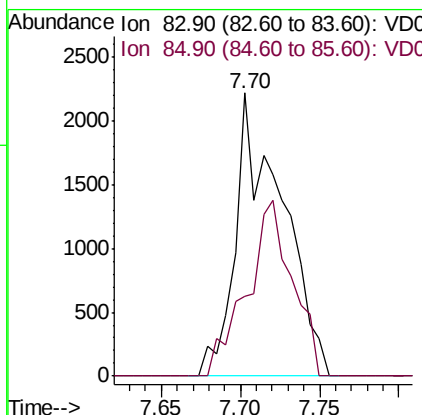
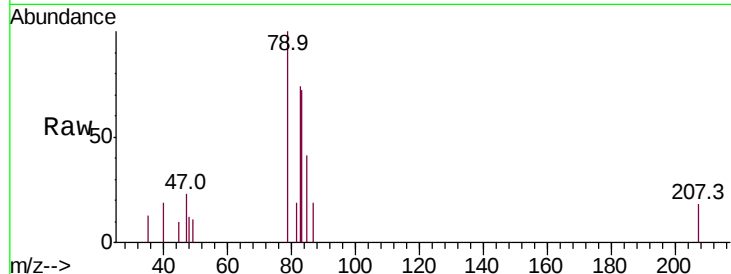




#30
Chloroform
Concen: 1.591 ug/l
RT: 7.70 min Scan# 983
Delta R.T. -0.01 min
Lab File: VD067815.D
Acq: 30 Nov 2020 15:39

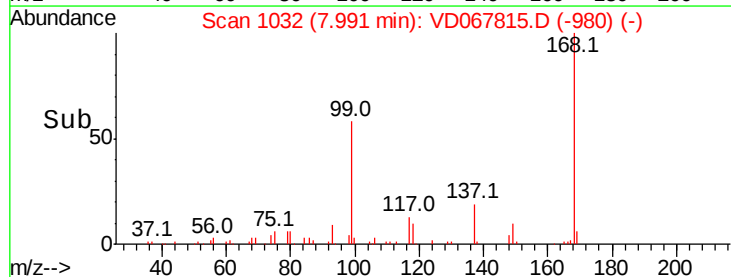
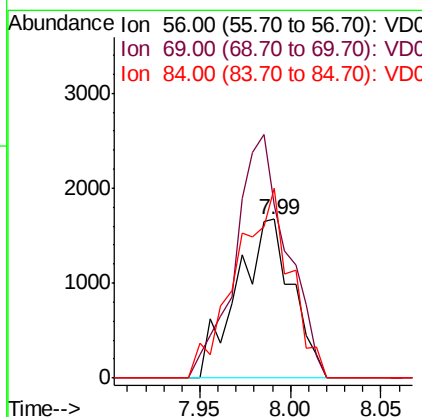
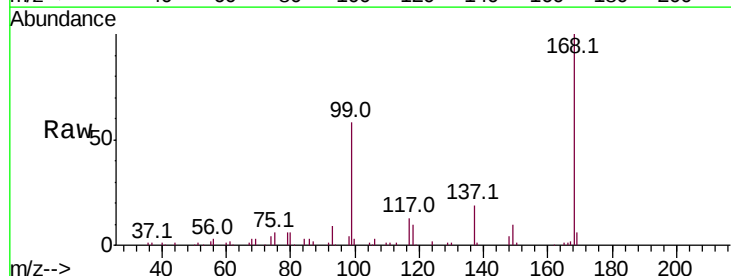
Instrument :
MSVOA_D
ClientSampleId :
PAV-B48-112320-15.5-16.5

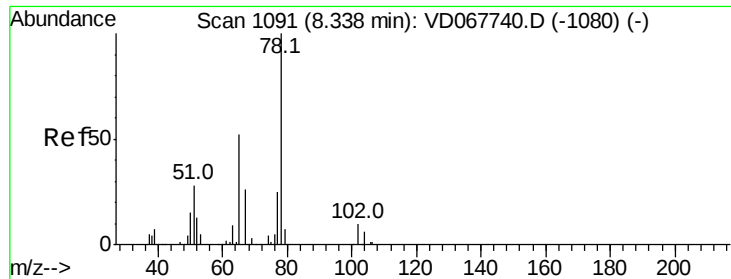
Tot Ion: 83 Resp: 4575
Ion Ratio Lower Upper
83 100
85 28.1 53.1 79.7#



#31
Cyclohexane
Concen: 1.829 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067815.D
Acq: 30 Nov 2020 15:39

Tgt Ion: 56 Resp: 3563
Ion Ratio Lower Upper
56 100
69 109.3 33.2 49.8#
84 119.3 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 56.680 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067815.D

Acq: 30 Nov 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

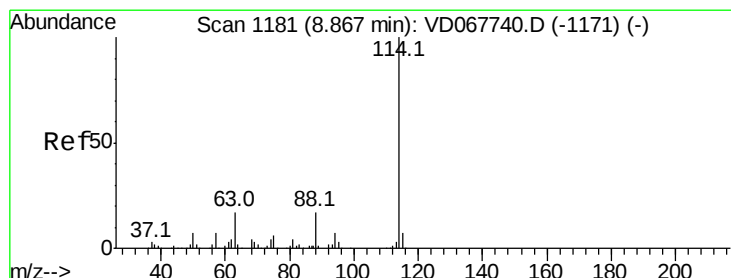
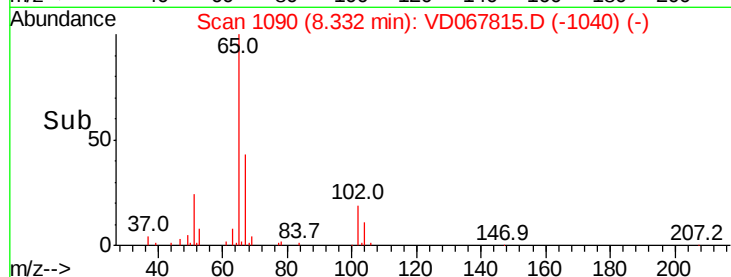
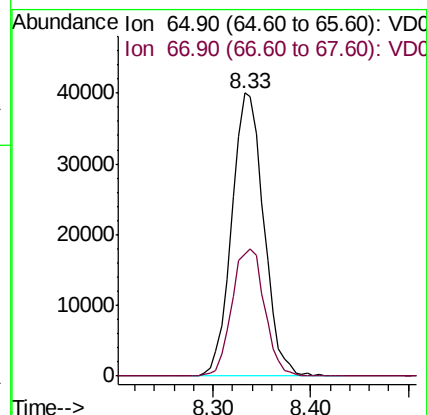
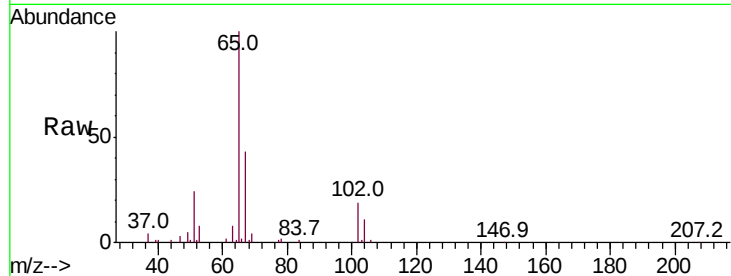
PAV-B48-112320-15.5-16.5

Tot Ion: 65 Resp: 91259

Ion Ratio Lower Upper

65 100

67 45.9 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067815.D

Acq: 30 Nov 2020 15:39

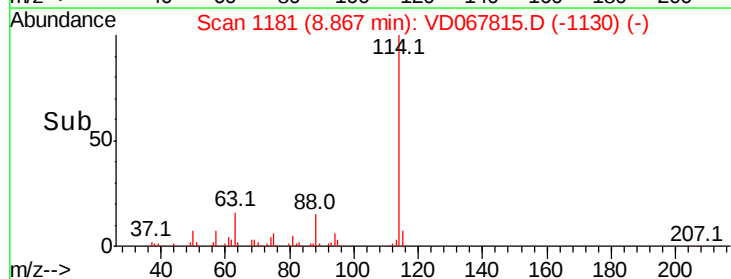
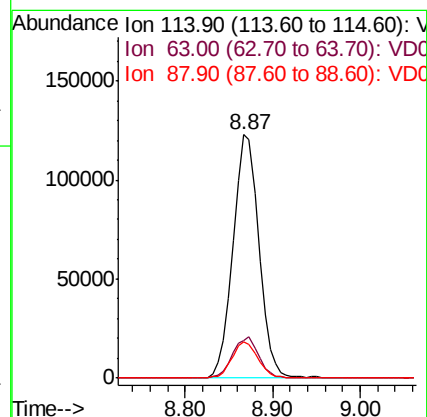
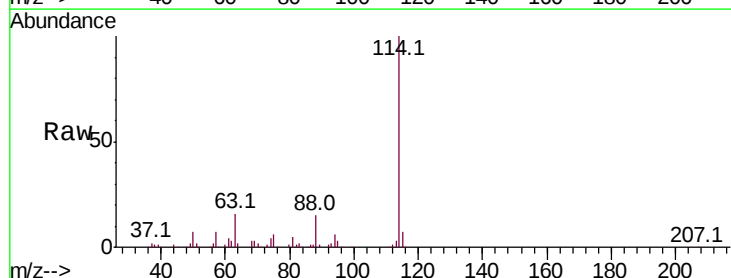
Tgt Ion: 114 Resp: 246166

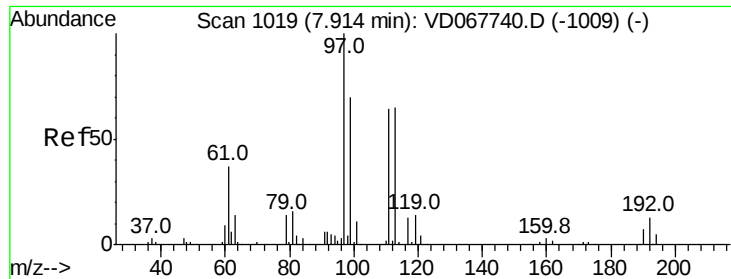
Ion Ratio Lower Upper

114 100

63 15.6 0.0 34.8

88 14.6 0.0 34.4

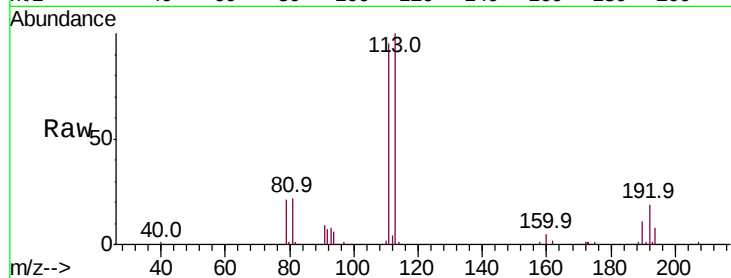




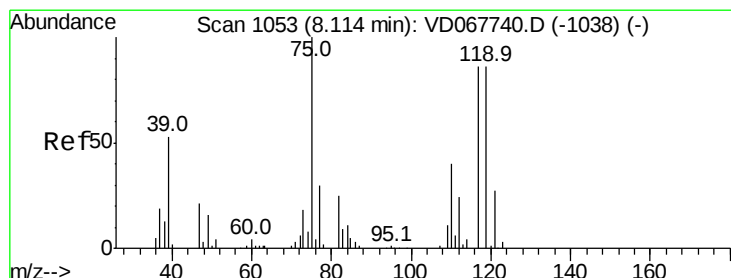
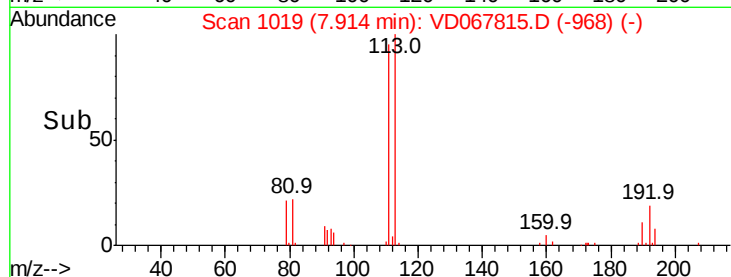
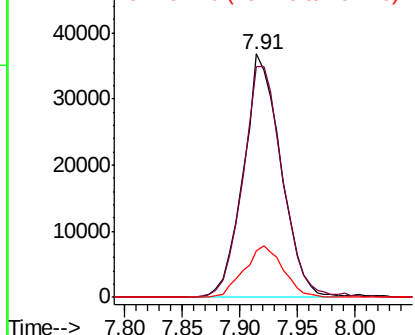
#35
 Dibromofluoromethane
 Concen: 53.228 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067815.D
 Acq: 30 Nov 2020 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B48-112320-15.5-16.5

Tot Ion:113 Resp: 83387
 Ion Ratio Lower Upper
 113 100
 111 100.0 81.4 122.0
 192 22.0 17.0 25.4

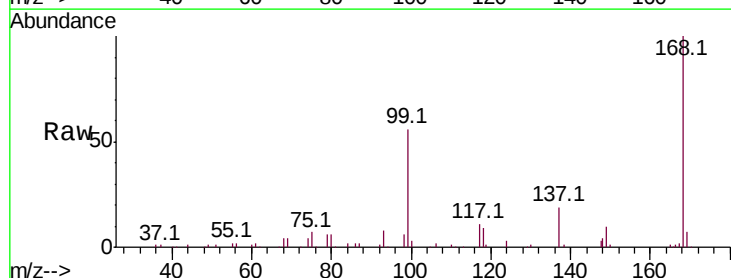


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

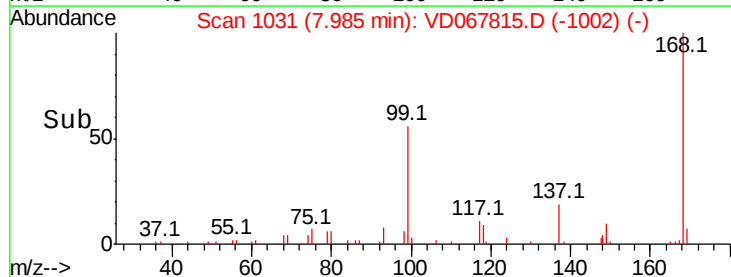
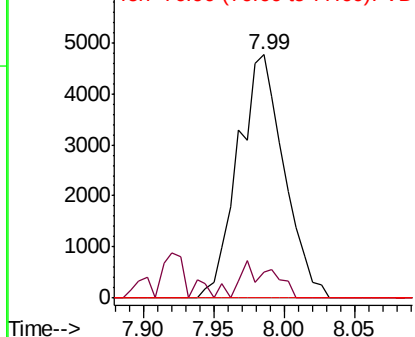


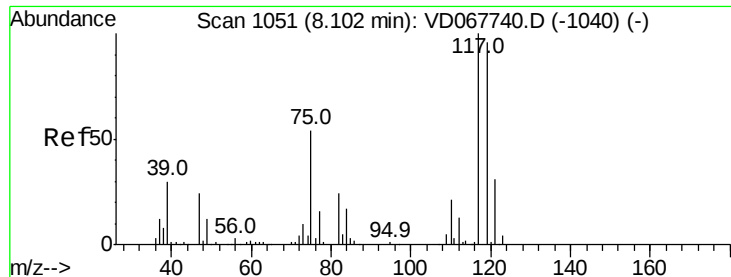
#36
 1,1-Dichloropropene
 Concen: 5.157 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067815.D
 Acq: 30 Nov 2020 15:39

Tgt Ion: 75 Resp: 10894
 Ion Ratio Lower Upper
 75 100
 110 7.1 20.1 60.2#
 77 0.0 24.8 37.2#



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: 5.937 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067815.D

Acq: 30 Nov 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

PAV-B48-112320-15.5-16.5

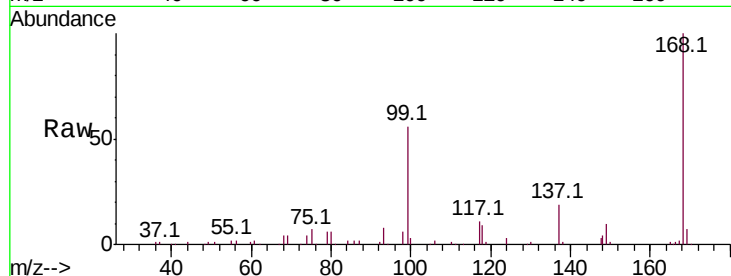
Tot Ion:117 Resp: 18178

Ion Ratio Lower Upper

117 100

119 5.6 76.6 115.0#

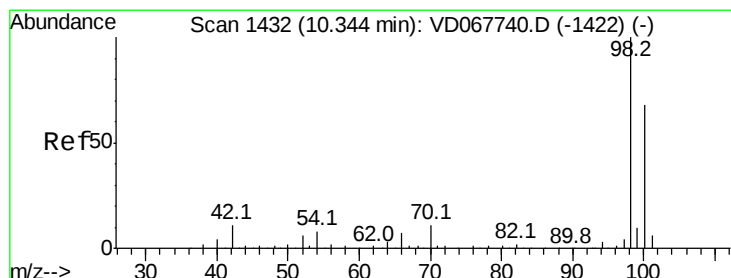
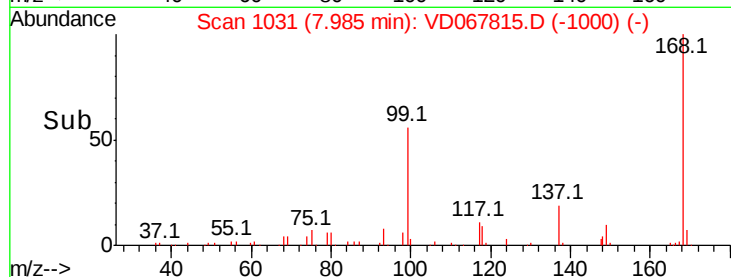
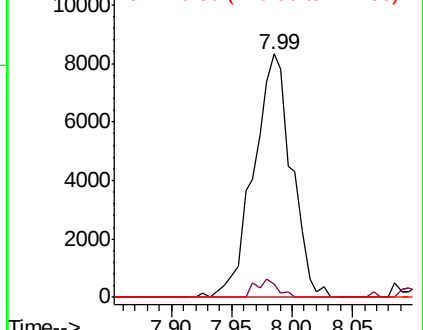
121 0.0 24.5 36.7#



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: 44.904 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067815.D

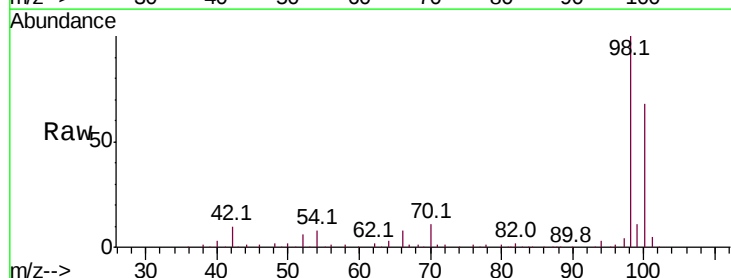
Acq: 30 Nov 2020 15:39

Tgt Ion: 98 Resp: 257193

Ion Ratio Lower Upper

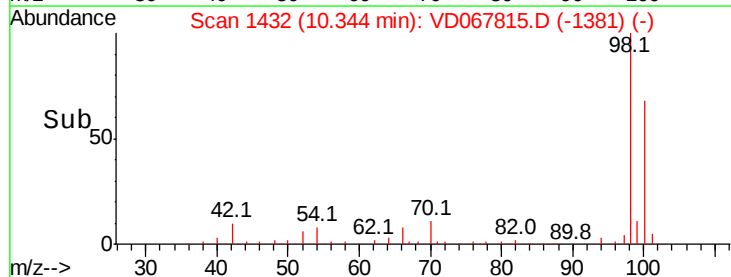
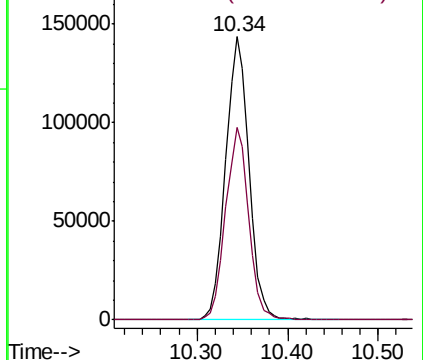
98 100

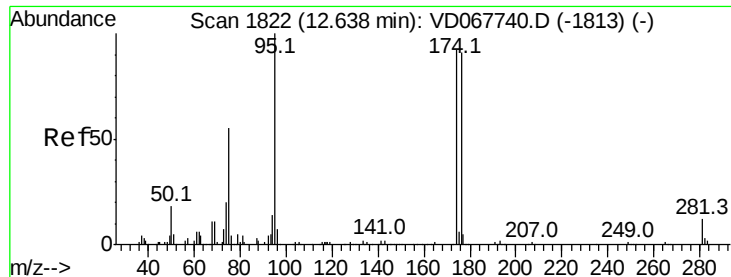
100 67.1 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 32.298 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067815.D

Acq: 30 Nov 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

PAV-B48-112320-15.5-16.5

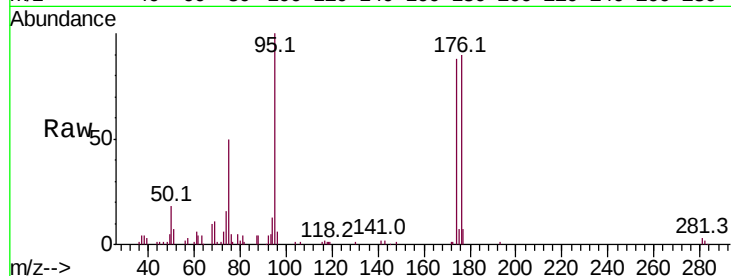
Tot Ion: 95 Resp: 63230

Ion Ratio Lower Upper

95 100

174 94.3 0.0 182.4

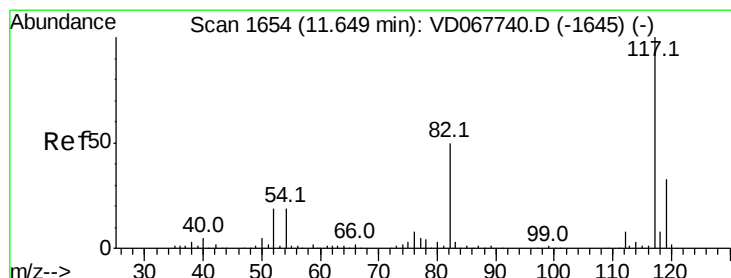
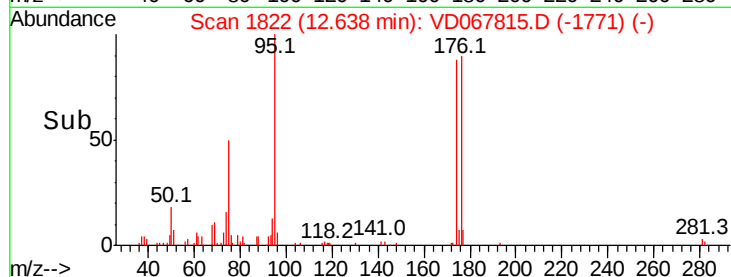
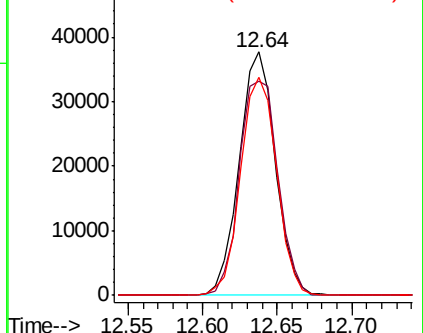
176 89.4 0.0 178.2



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD067815.D

Acq: 30 Nov 2020 15:39

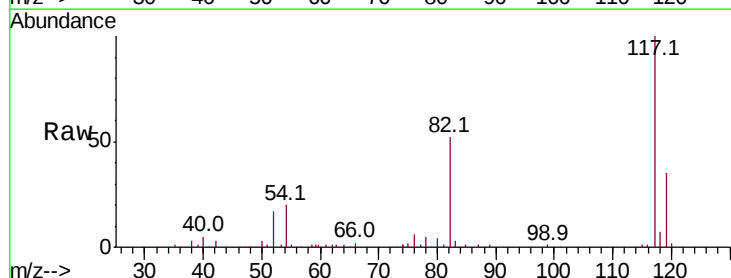
Tgt Ion: 117 Resp: 194564

Ion Ratio Lower Upper

117 100

82 52.3 40.2 60.4

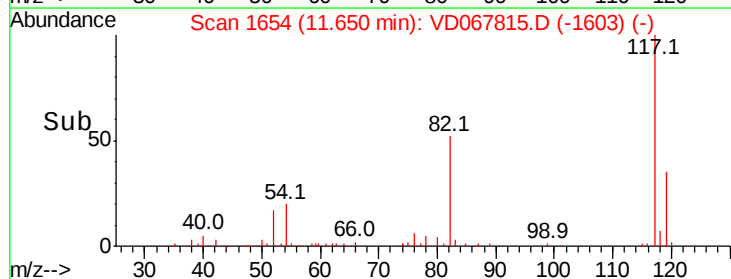
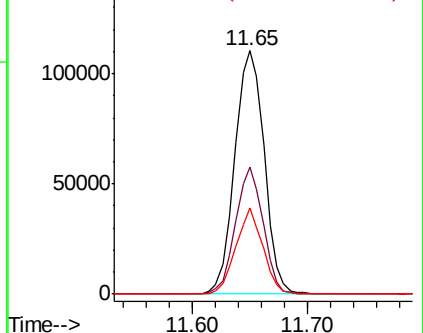
119 35.3 26.5 39.7

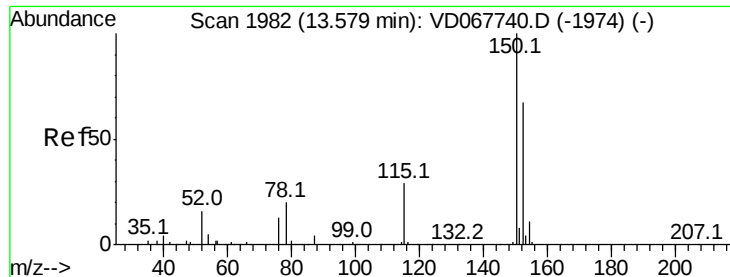


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1982

Delta R.T. 0.00 min

Lab File: VD067815.D

Acq: 30 Nov 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

PAV-B48-112320-15.5-16.5

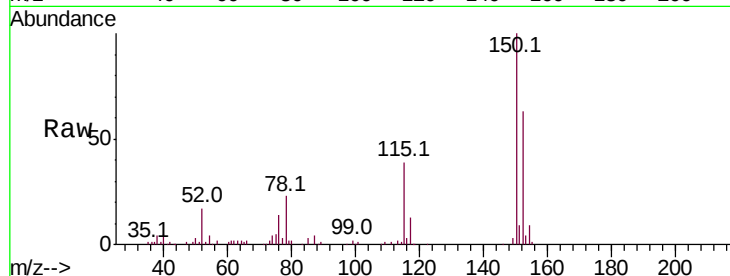
Tot Ion:152 Resp: 60066

Ion Ratio Lower Upper

152 100

115 60.3 29.4 88.3

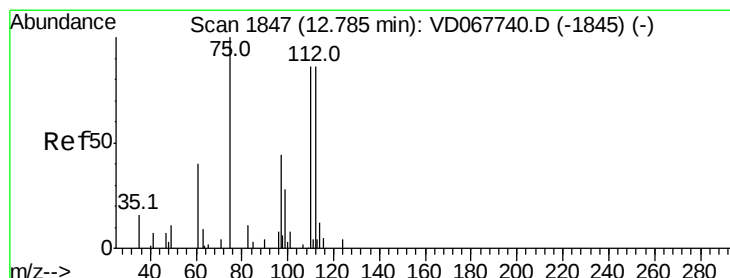
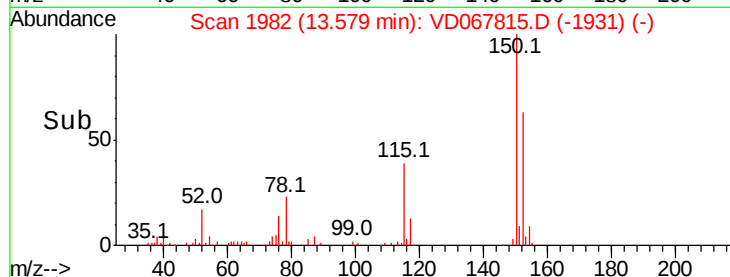
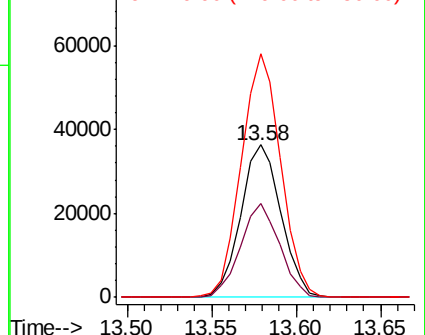
150 156.6 0.0 340.6



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: 75.663 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067815.D

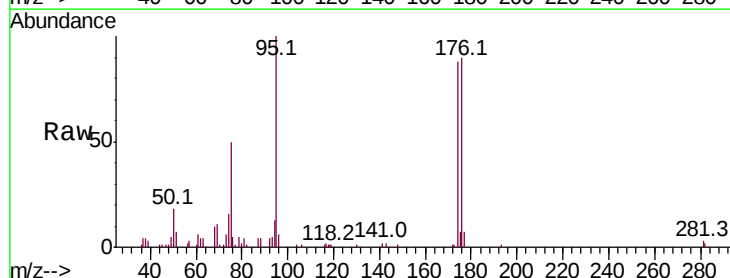
Acq: 30 Nov 2020 15:39

Tgt Ion: 75 Resp: 31675

Ion Ratio Lower Upper

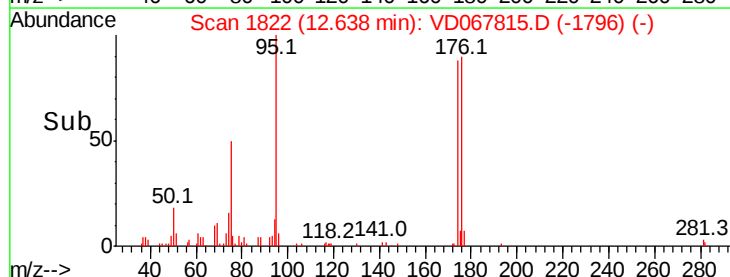
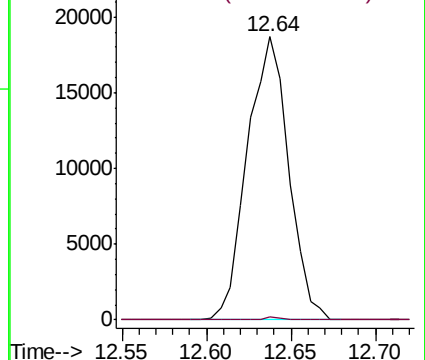
75 100

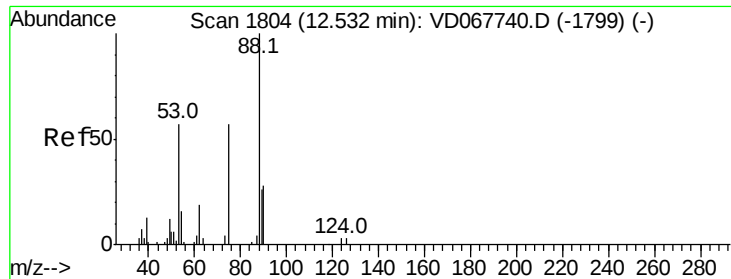
77 0.4 0.0 0.0#



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: 176.971 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067815.D

Acq: 30 Nov 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

PAV-B48-112320-15.5-16.5

Tot Ion: 75 Resp: 31675

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.0 40.2 60.4#

