

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120320\
 Data File : VD067869.D
 Acq On : 03 Dec 2020 15:50
 Operator : VA/SY
 Sample : L4910-07
 Misc : 4.70G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B47-113020-12-12.75

Quant Time: Dec 04 01:09:01 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	235281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	329232	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	258771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	82336	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	114998	45.53	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.06%
35) Dibromofluoromethane	7.92	113	100617	45.67	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.34%
50) Toluene-d8	10.34	98	361907	45.63	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.26%
62) 4-Bromofluorobenzene	12.64	95	88733	32.36	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	64.72%

Target Compounds

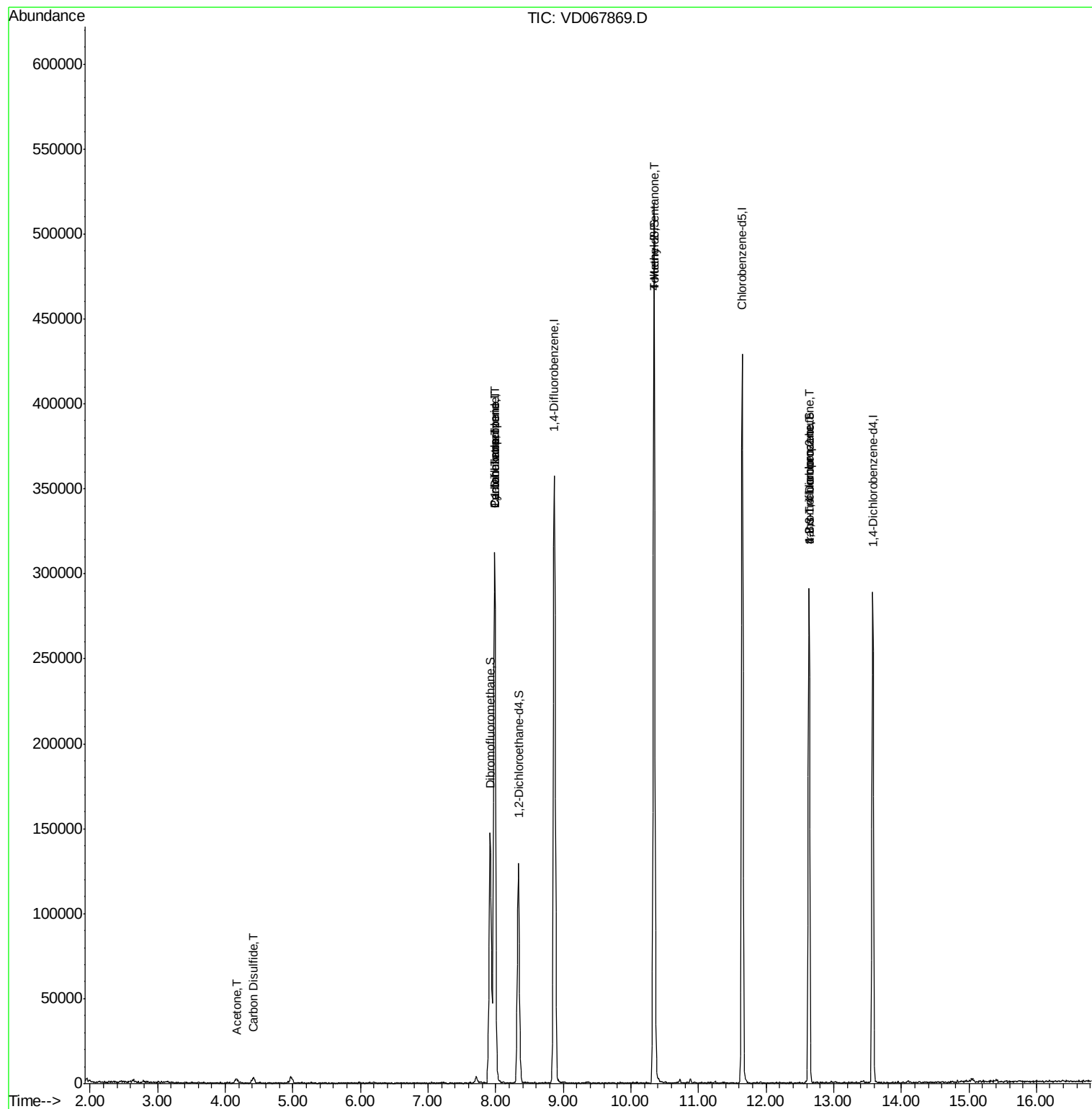
					Qvalue	
16) Acetone	4.17	43	3889	12.460	ug/l	97
17) Carbon Disulfide	4.42	76	6914	1.270	ug/l #	83
20) Methylene Chloride	4.99	84	3024	Below Cal	#	50
31) Cyclohexane	7.98	56	4485	1.685	ug/l #	30
36) 1,1-Dichloropropene	7.98	75	15336	5.381	ug/l #	52
38) Carbon Tetrachloride	7.98	117	24320	5.640	ug/l #	14
41) Methacrylonitrile	7.57	41	71	Below Cal	#	14
51) 4-Methyl-2-Pentanone	10.34	43	1269	1.774	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	47775	79.679	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	47775	190.599	ug/l #	7

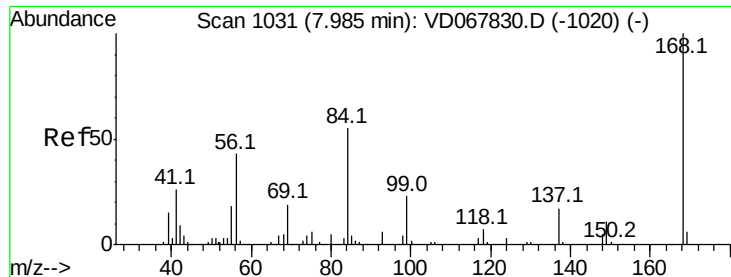
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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PAV-B47-113020-12-12.75

Quant Time: Dec 04 01:09:01 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# 1031

Delta R.T. -0.00 min

Lab File: VD067869.D

Acq: 03 Dec 2020 15:50

Instrument :

MSVOA_D

ClientSampleId :

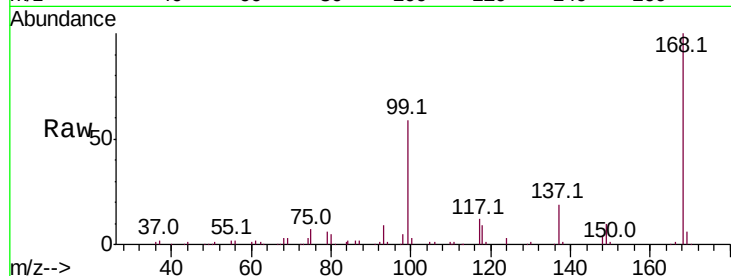
PAV-B47-113020-12-12.75

Tot Ion:168 Resp: 235281

Ion Ratio Lower Upper

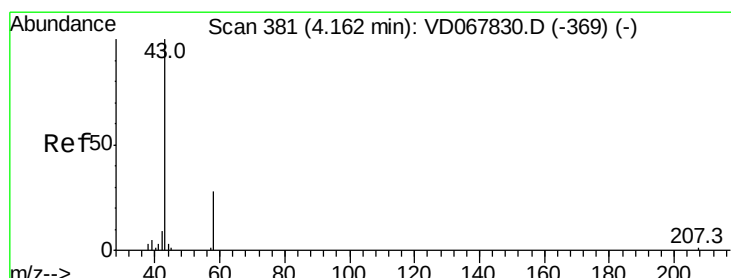
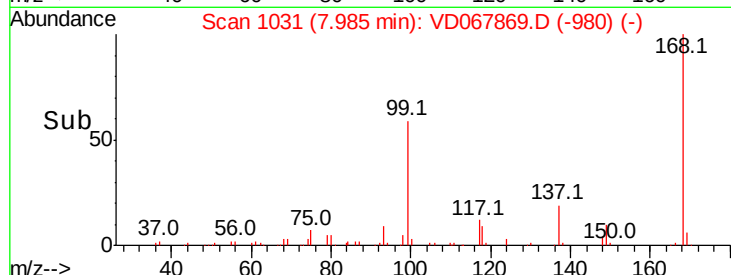
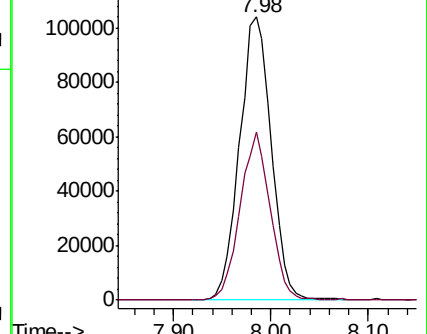
168 100

99 59.3 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 12.460 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD067869.D

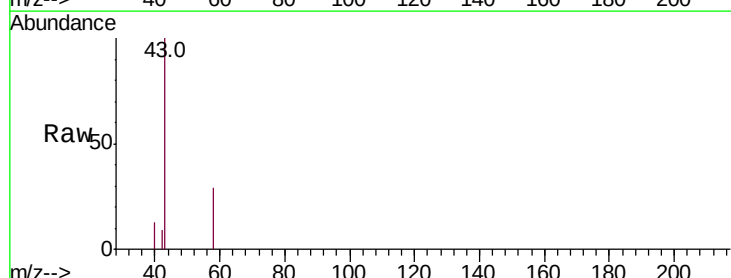
Acq: 03 Dec 2020 15:50

Tgt Ion: 43 Resp: 3889

Ion Ratio Lower Upper

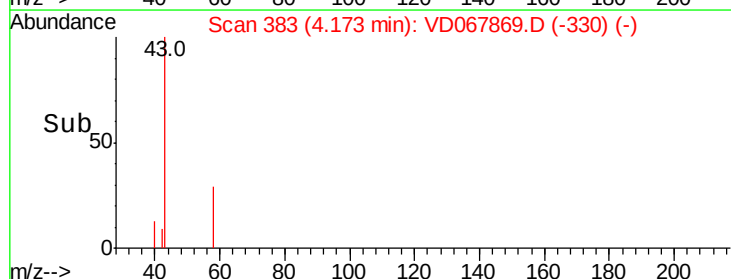
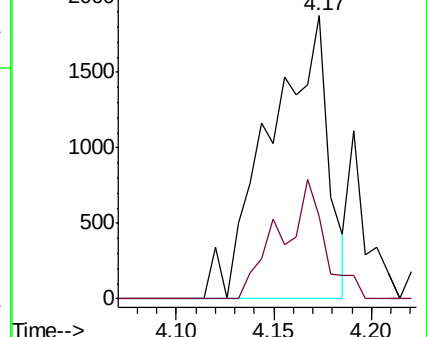
43 100

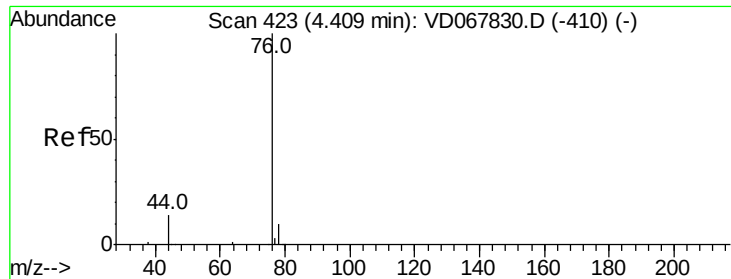
58 29.1 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

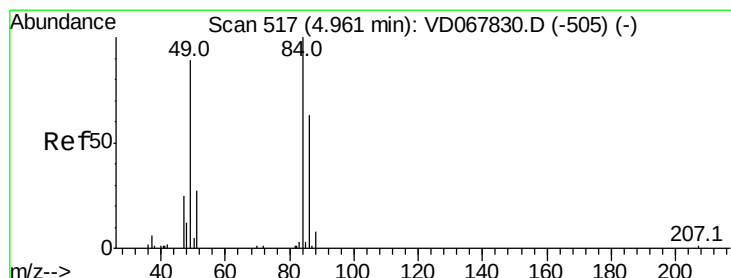
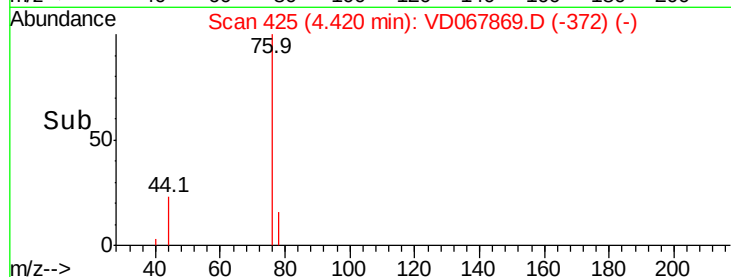
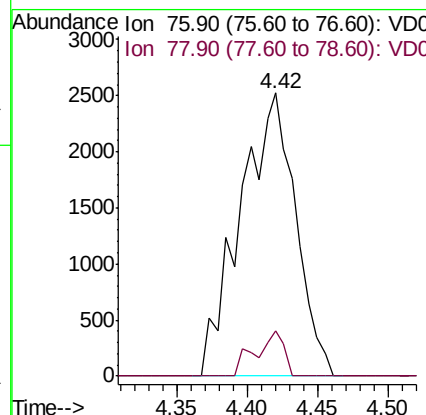
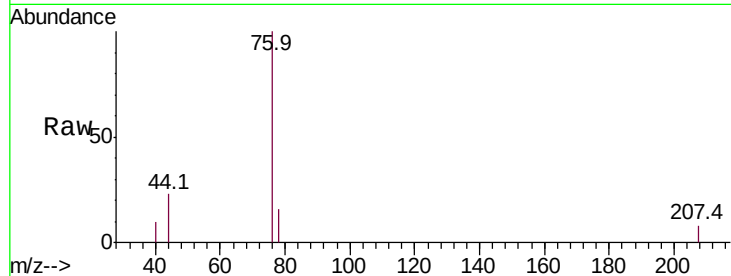




#17
Carbon Disulfide
Concen: 1.270 ug/l
RT: 4.42 min Scan# 425
Delta R.T. 0.01 min
Lab File: VD067869.D
Acq: 03 Dec 2020 15:50

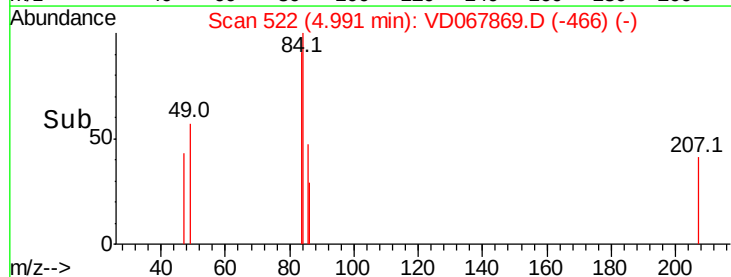
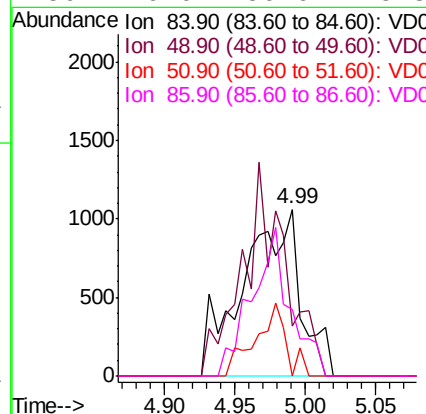
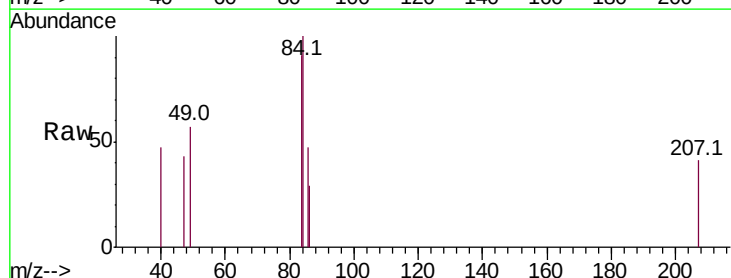
Instrument :
MSVOA_D
ClientSampleId :
PAV-B47-113020-12-12.75

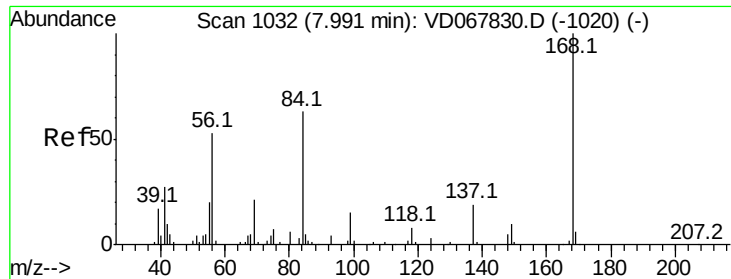
Tot Ion: 76 Resp: 6914
Ion Ratio Lower Upper
76 100
78 16.1 7.8 11.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.99 min Scan# 522
Delta R.T. 0.03 min
Lab File: VD067869.D
Acq: 03 Dec 2020 15:50

Tgt Ion: 84 Resp: 3024
Ion Ratio Lower Upper
84 100
49 30.0 71.4 107.0#
51 0.0 21.8 32.8#
86 40.0 50.6 75.8#

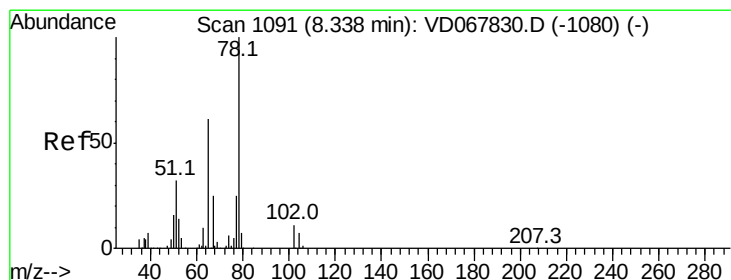
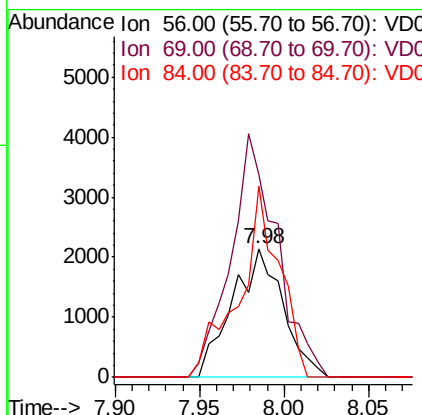
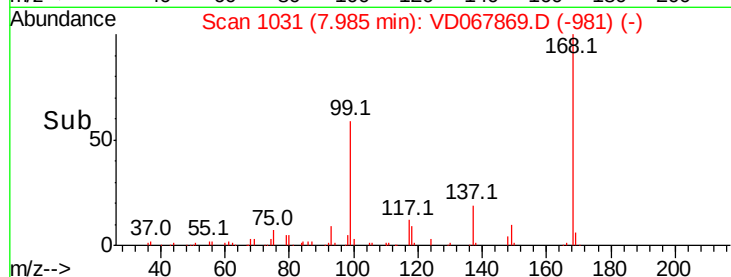
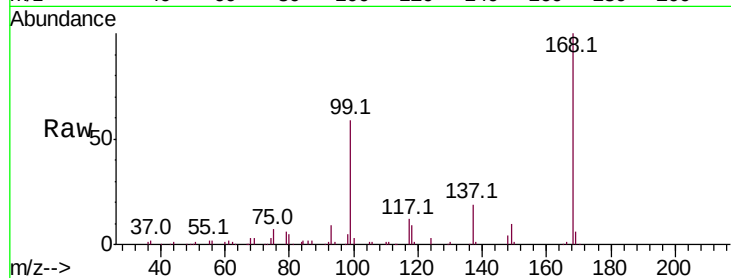




#31
Cyclohexane
Concen: 1.685 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067869.D
Acq: 03 Dec 2020 15:50

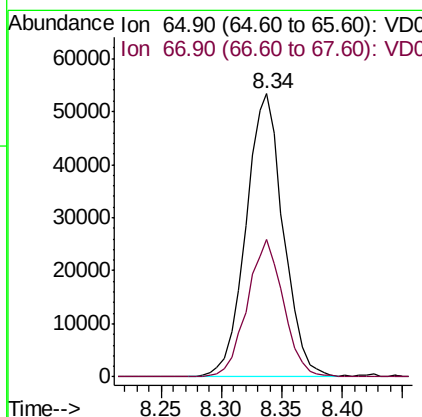
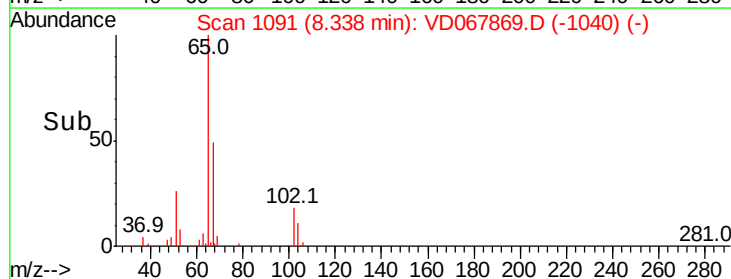
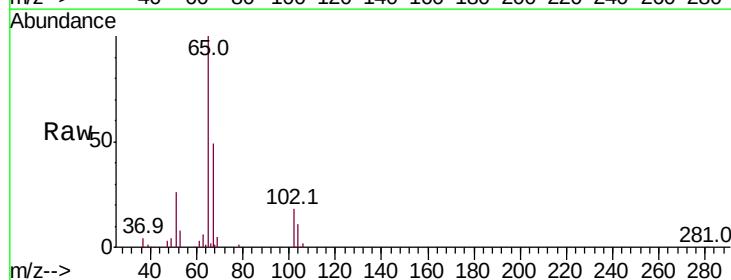
Instrument :
MSVOA_D
ClientSampleId :
PAV-B47-113020-12-12.75

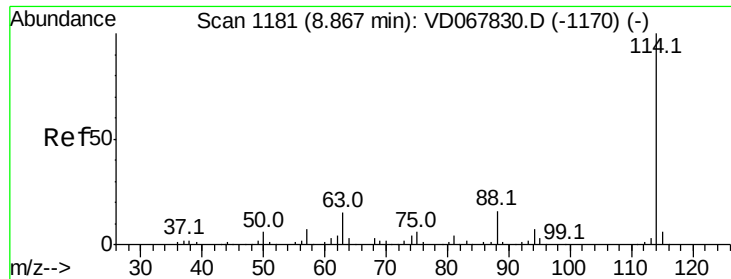
Tot Ion: 56 Resp: 4485
Ion Ratio Lower Upper
56 100
69 157.6 32.1 48.1#
84 148.5 93.2 139.8#



#33
1,2-Dichloroethane-d4
Concen: 45.529 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD067869.D
Acq: 03 Dec 2020 15:50

Tgt Ion: 65 Resp: 114998
Ion Ratio Lower Upper
65 100
67 47.2 0.0 92.0

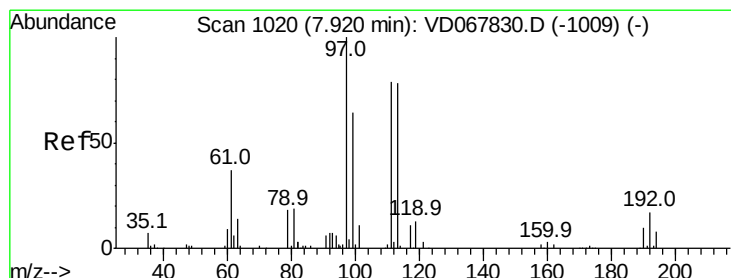
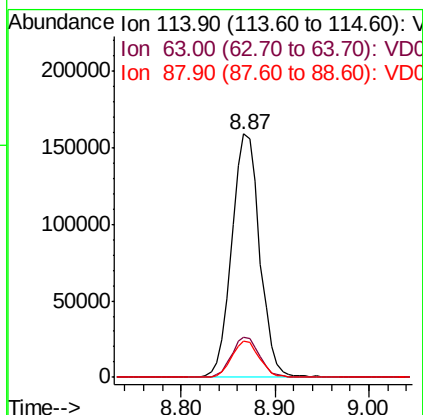
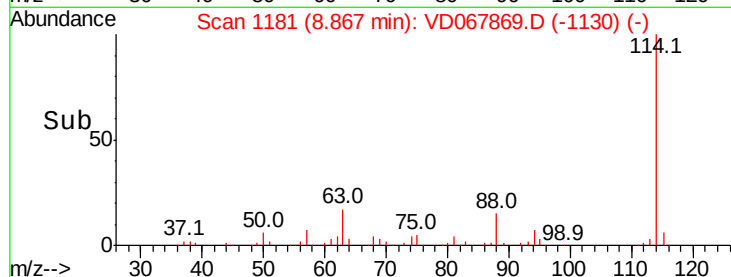
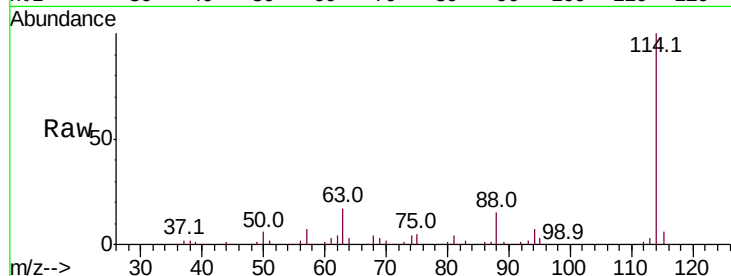




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD067869.D
 Acq: 03 Dec 2020 15:50

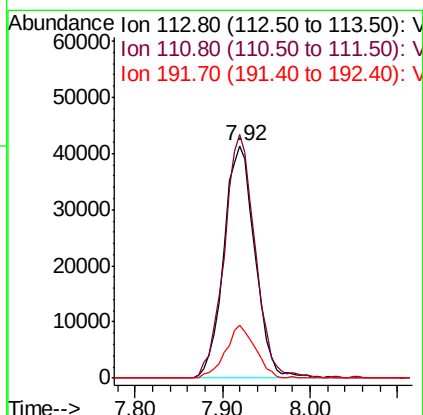
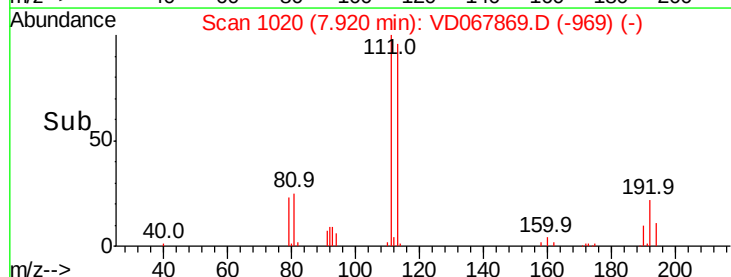
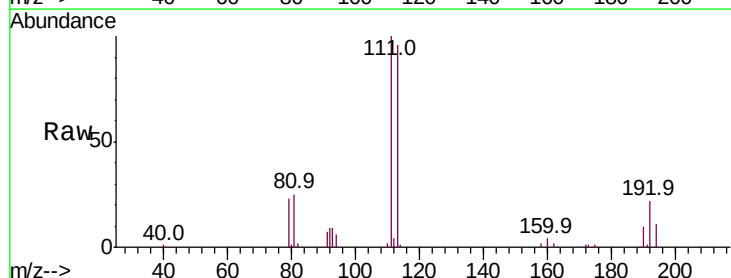
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B47-113020-12-12.75

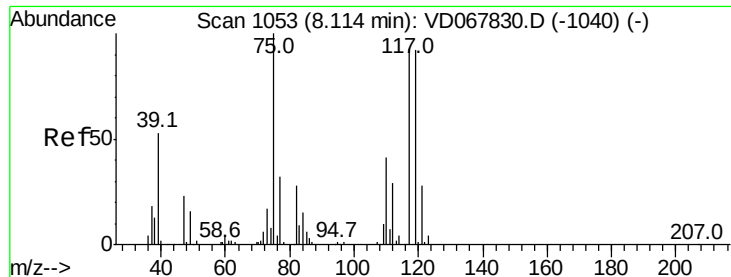
Tot Ion:114 Resp: 329232
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 30.8
 88 15.1 0.0 31.8



#35
 Dibromofluoromethane
 Concen: 45.672 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067869.D
 Acq: 03 Dec 2020 15:50

Tgt Ion:113 Resp: 100617
 Ion Ratio Lower Upper
 113 100
 111 103.9 81.2 121.8
 192 21.5 16.8 25.2

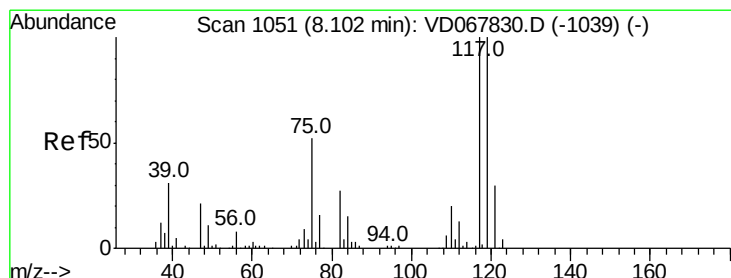
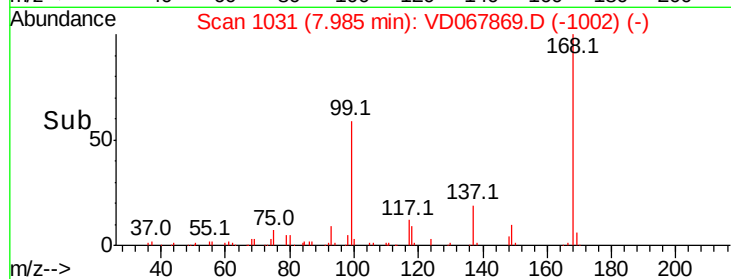
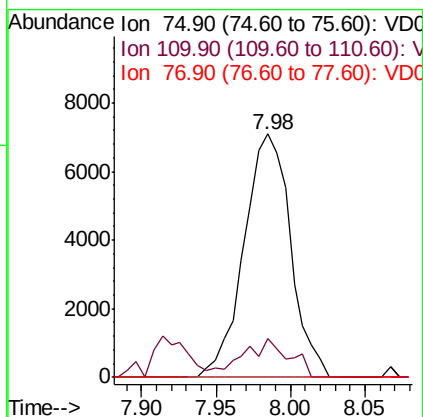
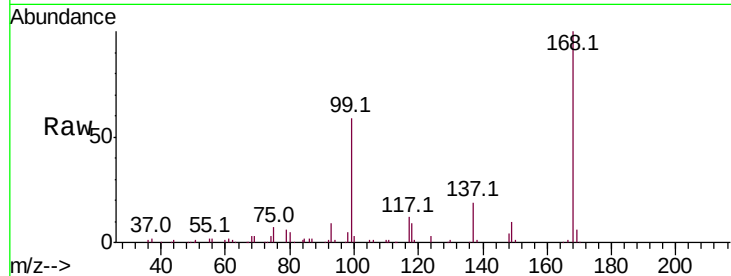




#36
 1,1-Dichloropropene
 Concen: 5.381 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067869.D
 Acq: 03 Dec 2020 15:50

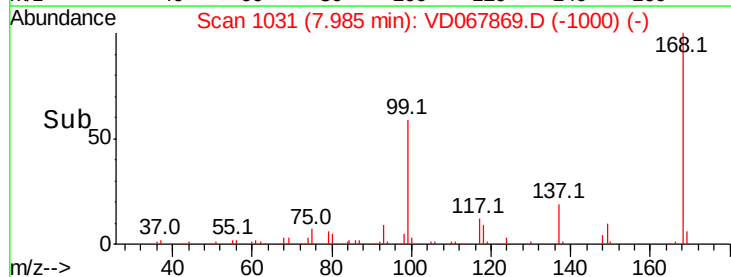
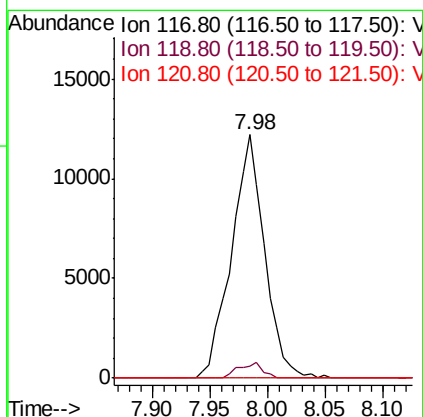
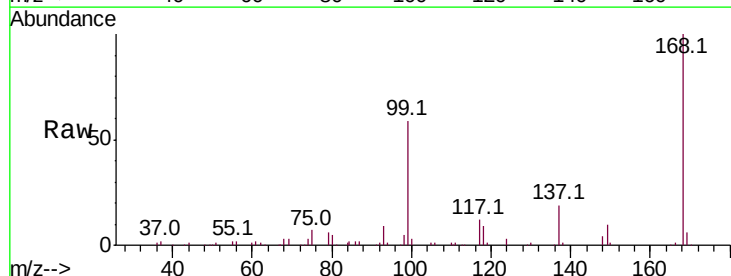
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B47-113020-12-12.75

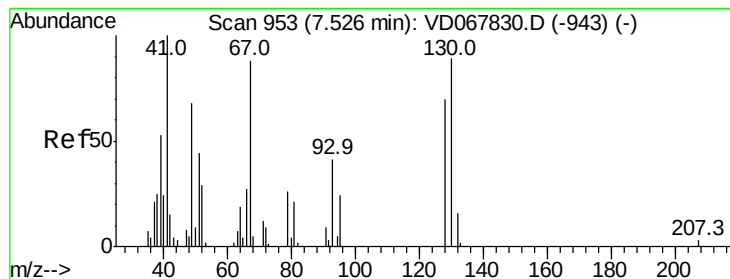
Tot Ion: 75 Resp: 15336
 Ion Ratio Lower Upper
 75 100
 110 14.7 20.3 61.0#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.640 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD067869.D
 Acq: 03 Dec 2020 15:50

Tgt Ion: 117 Resp: 24320
 Ion Ratio Lower Upper
 117 100
 119 4.8 79.7 119.5#
 121 0.0 23.8 35.6#





#41

Methacrylonitrile

Concen: Below Cal

RT: 7.57 min Scan# 960

Delta R.T. 0.04 min

Lab File: VD067869.D

Acq: 03 Dec 2020 15:50

Instrument :

MSVOA_D

ClientSampleId :

PAV-B47-113020-12-12.75

Tot Ion: 41 Resp: 71

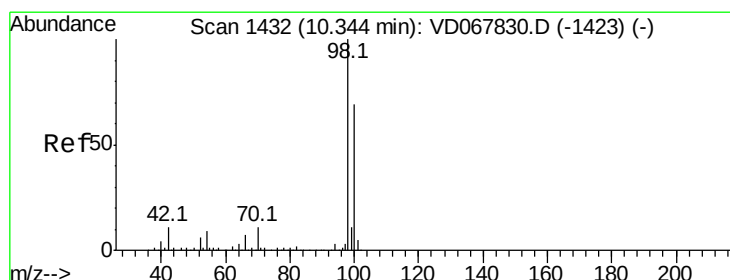
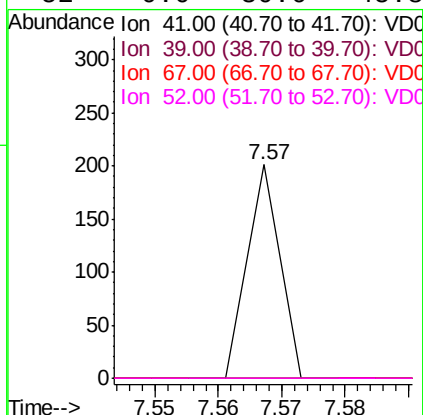
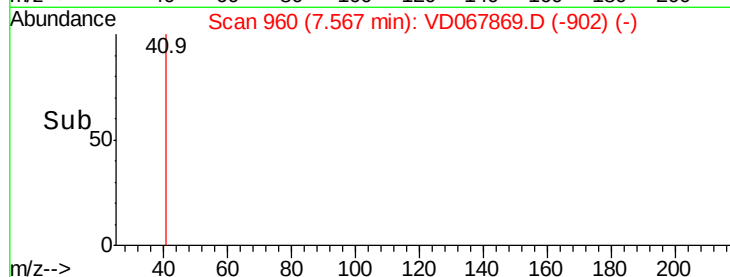
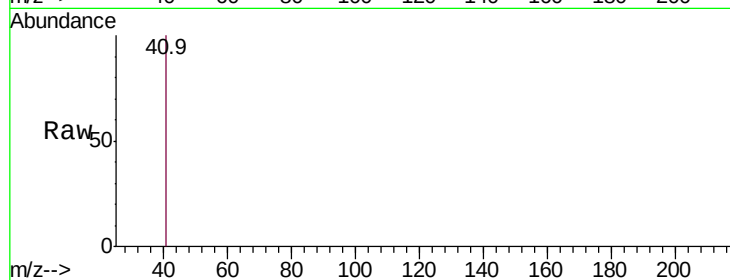
Ion Ratio Lower Upper

41 100

39 0.0 42.1 63.1#

67 0.0 82.4 123.6#

52 0.0 30.6 45.8#



#50

Toluene-d8

Concen: 45.635 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067869.D

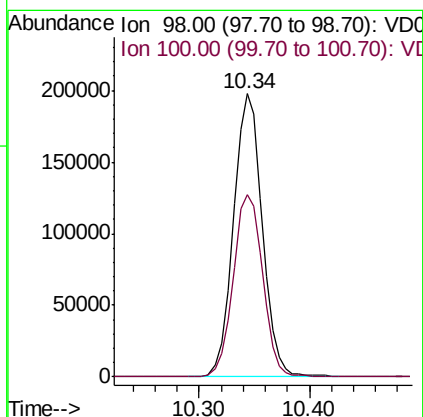
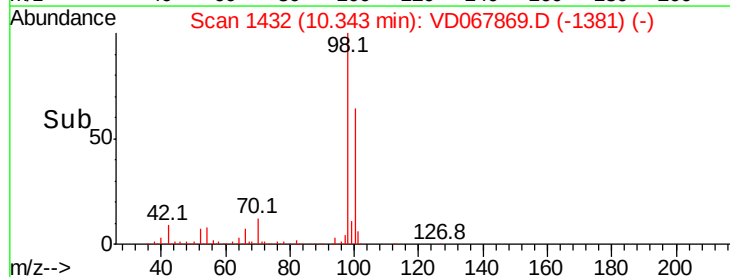
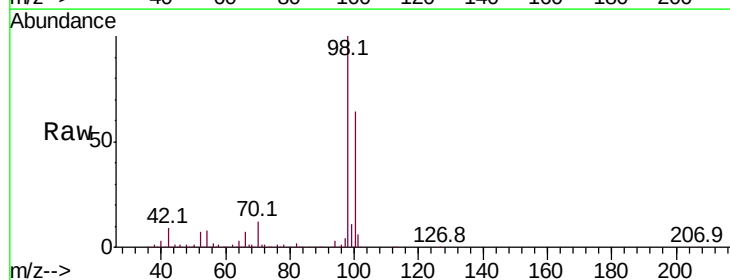
Acq: 03 Dec 2020 15:50

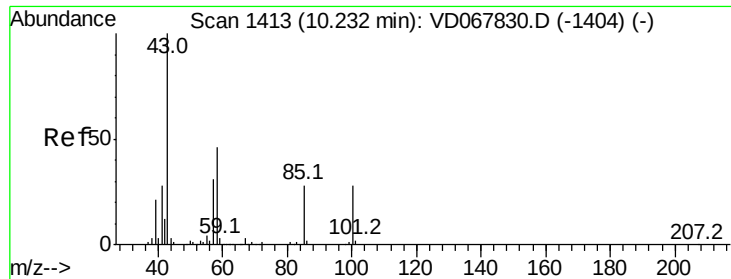
Tgt Ion: 98 Resp: 361907

Ion Ratio Lower Upper

98 100

100 66.2 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 1.774 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD067869.D

Acq: 03 Dec 2020 15:50

Instrument :

MSVOA_D

ClientSampleId :

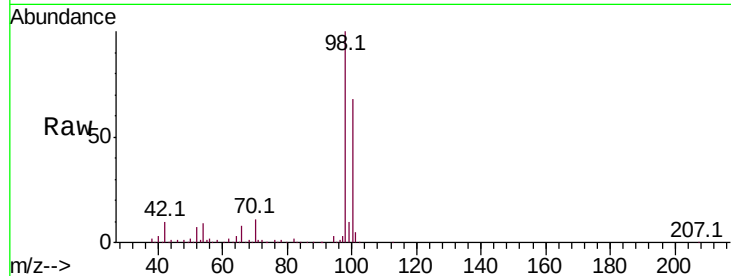
PAV-B47-113020-12-12.75

Tot Ion: 43 Resp: 1269

Ion Ratio Lower Upper

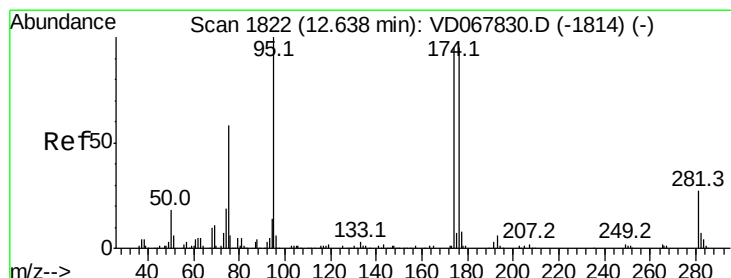
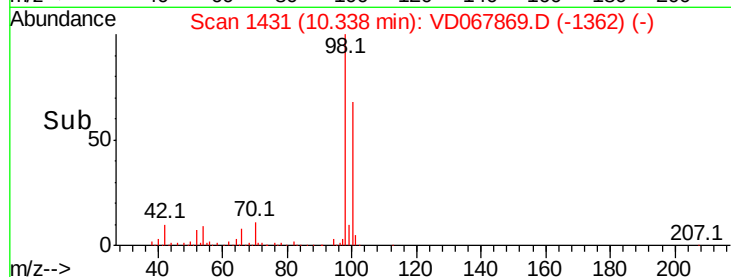
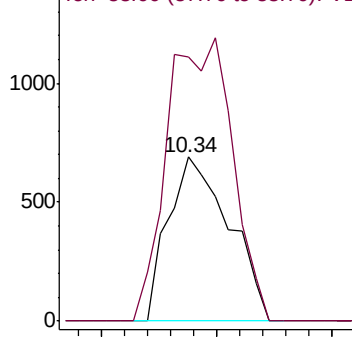
43 100

58 184.1 35.7 53.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 32.363 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067869.D

Acq: 03 Dec 2020 15:50

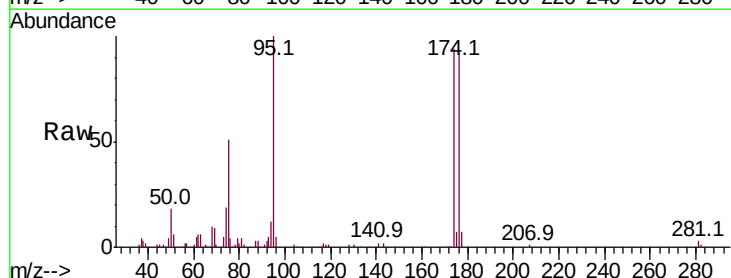
Tgt Ion: 95 Resp: 88733

Ion Ratio Lower Upper

95 100

174 97.2 0.0 186.0

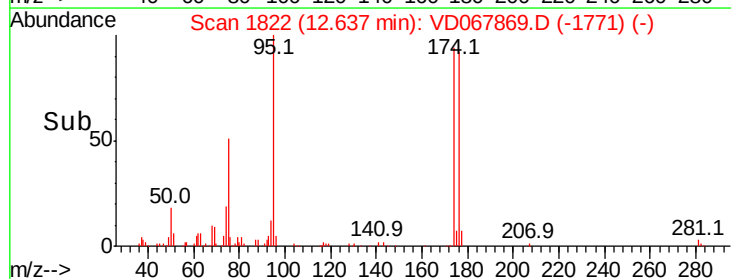
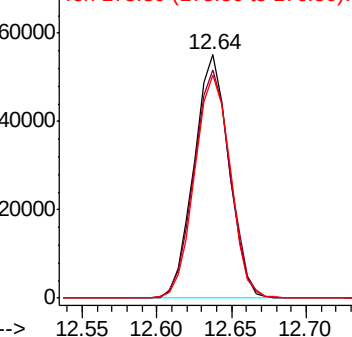
176 93.5 0.0 184.2

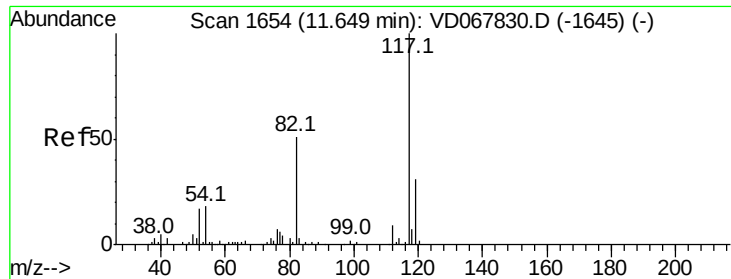


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

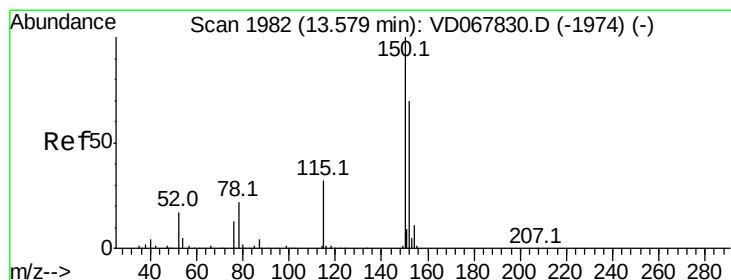
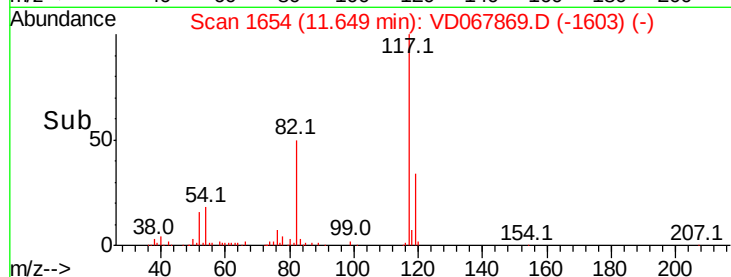
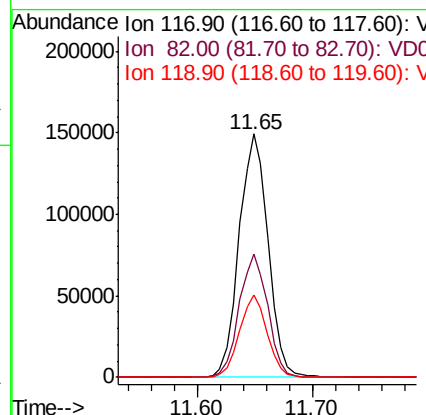
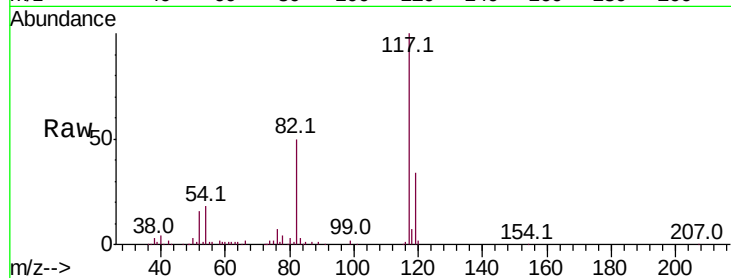




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067869.D
Acq: 03 Dec 2020 15:50

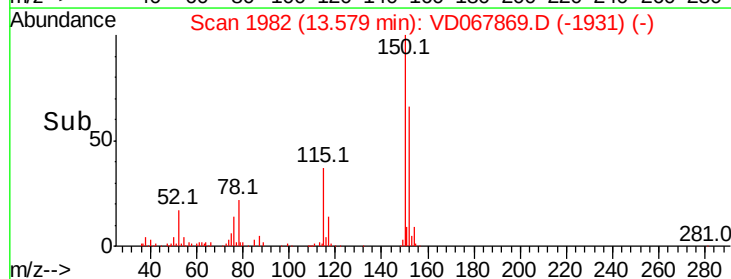
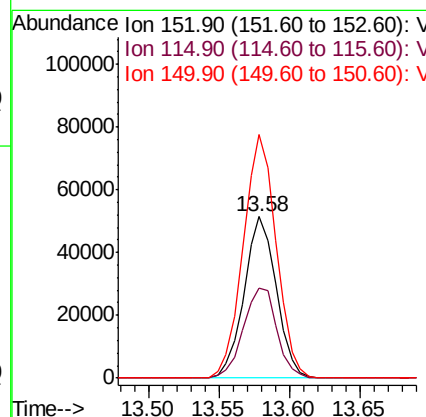
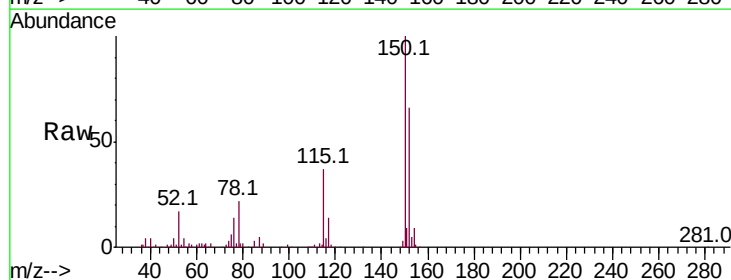
Instrument :
MSVOA_D
ClientSampleId :
PAV-B47-113020-12-12.75

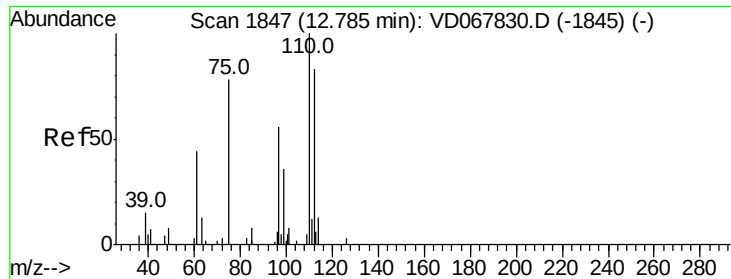
Tot Ion:117 Resp: 258771
Ion Ratio Lower Upper
117 100
82 50.5 40.6 60.8
119 33.7 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD067869.D
Acq: 03 Dec 2020 15:50

Tgt Ion:152 Resp: 82336
Ion Ratio Lower Upper
152 100
115 57.8 29.1 87.4
150 154.0 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 79.679 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067869.D

Acq: 03 Dec 2020 15:50

Instrument :

MSVOA_D

ClientSampleId :

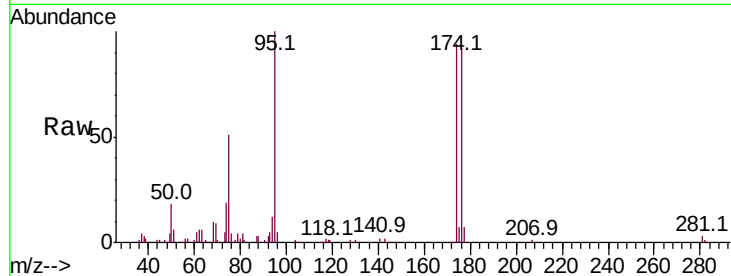
PAV-B47-113020-12-12.75

Tot Ion: 75 Resp: 47775

Ion Ratio Lower Upper

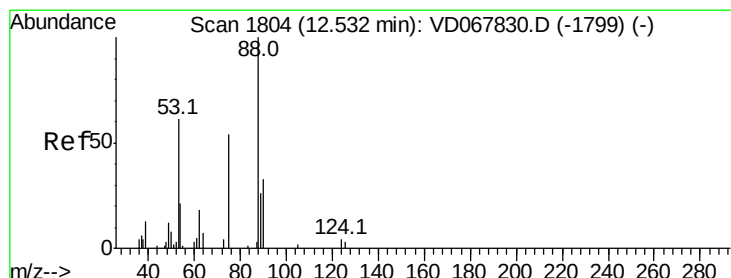
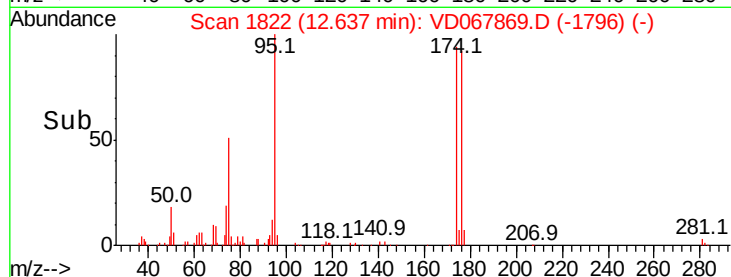
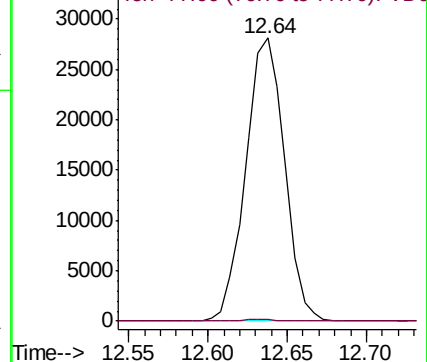
75 100

77 0.4 175.9 527.7#



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: 190.599 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067869.D

Acq: 03 Dec 2020 15:50

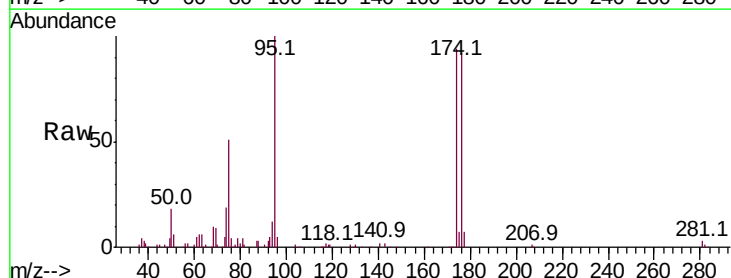
Tgt Ion: 75 Resp: 47775

Ion Ratio Lower Upper

75 100

53 0.0 84.6 127.0#

89 0.0 41.0 61.6#



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

