

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110520\
 Data File : VD067541.D
 Acq On : 05 Nov 2020 17:07
 Operator : VA/SY
 Sample : L4657-04
 Misc : 7.29G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B49-110520-17-18

Quant Time: Nov 06 00:15:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	298004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	468569	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	475012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	227574	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	151290	58.06	ug/l	0.00
Spiked Amount			Recovery	=	116.12%	
35) Dibromofluoromethane	7.92	113	149956	53.12	ug/l	0.00
Spiked Amount			Recovery	=	106.24%	
50) Toluene-d8	10.34	98	556525	56.10	ug/l	0.00
Spiked Amount			Recovery	=	112.20%	
62) 4-Bromofluorobenzene	12.64	95	206043	60.15	ug/l	0.00
Spiked Amount			Recovery	=	120.30%	

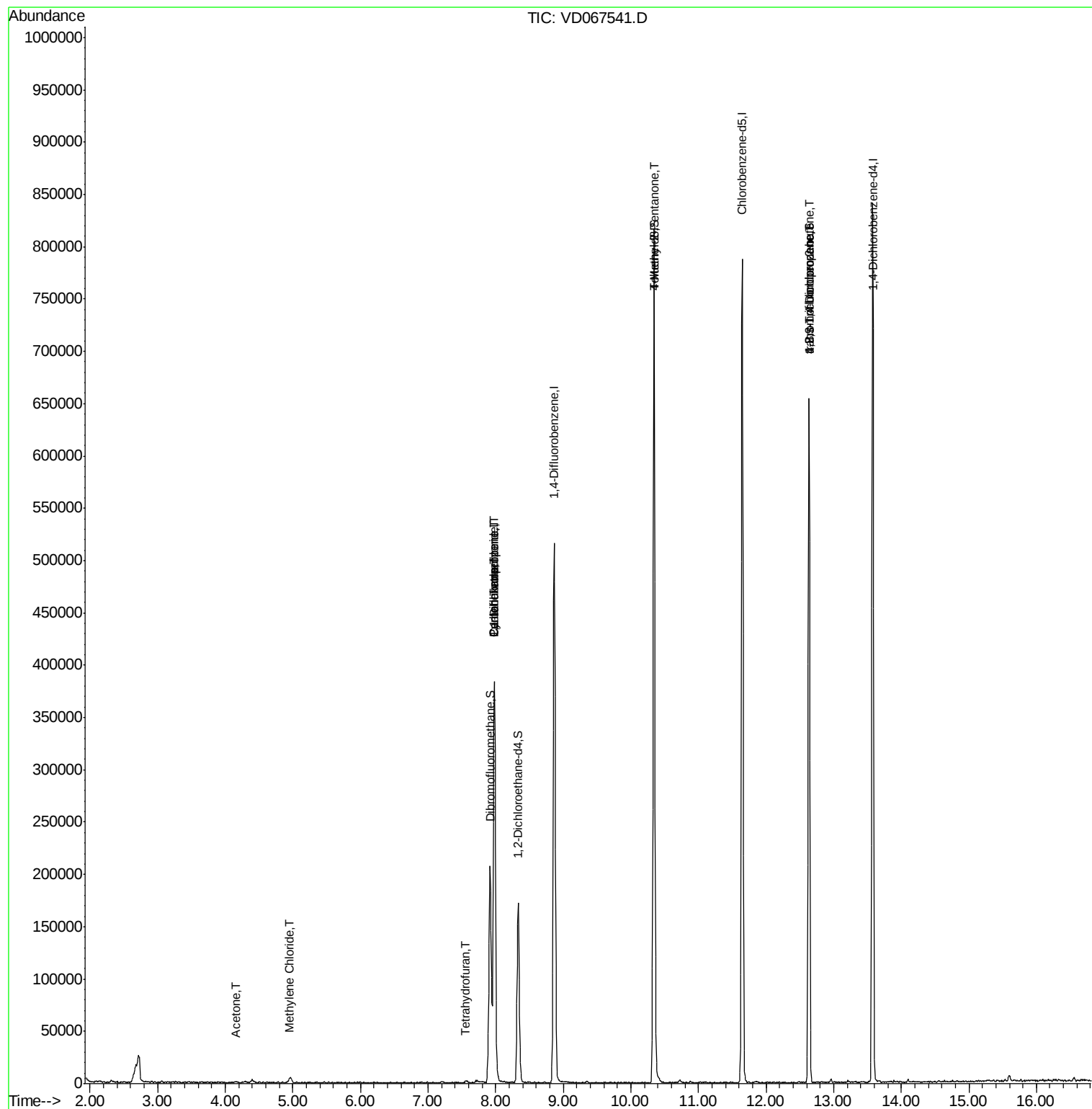
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	54	Below Cal	#	44
16) Acetone	4.16	43	904	2.318	ug/l #	43
20) Methylene Chloride	4.95	84	4544	1.650	ug/l #	75
29) Tetrahydrofuran	7.56	42	424	1.699	ug/l #	68
31) Cyclohexane	7.98	56	5946	1.573	ug/l #	49
36) 1,1-Dichloropropene	7.98	75	20939	5.221	ug/l #	49
38) Carbon Tetrachloride	7.98	117	30490	5.851	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	2351	2.387	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	107279	78.143	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	107279	158.651	ug/l #	10

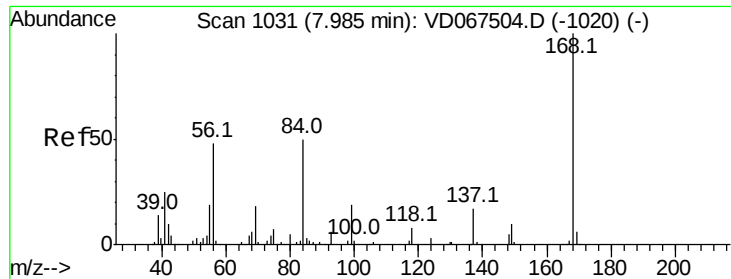
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110520\
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QLast Update : Wed Nov 04 00:56:28 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067541.D

Acq: 05 Nov 2020 17:07

Instrument :

MSVOA_D

ClientSampleId :

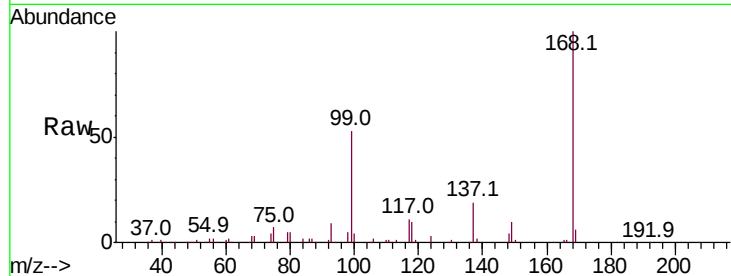
PAV-B49-110520-17-18

Tot Ion:168 Resp: 298004

Ion Ratio Lower Upper

168 100

99 52.7 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

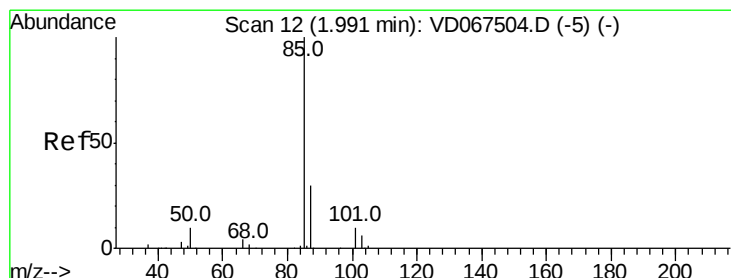
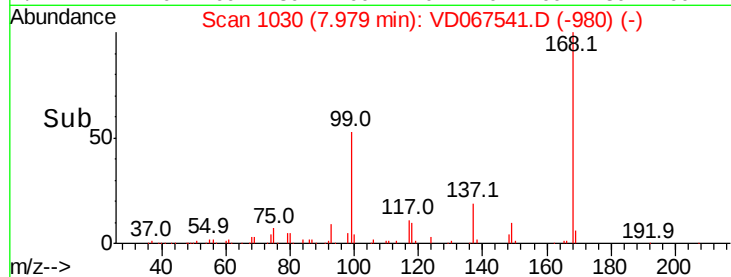
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067541.D

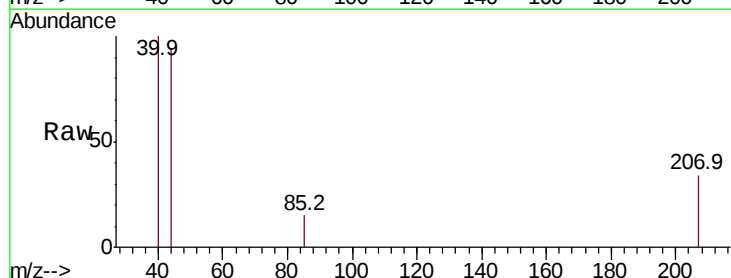
Acq: 05 Nov 2020 17:07

Tgt Ion: 85 Resp: 54

Ion Ratio Lower Upper

85 100

87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

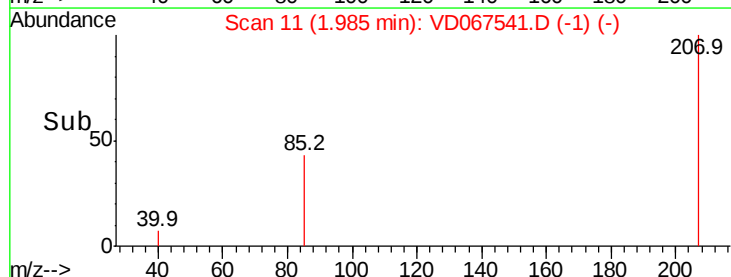
150

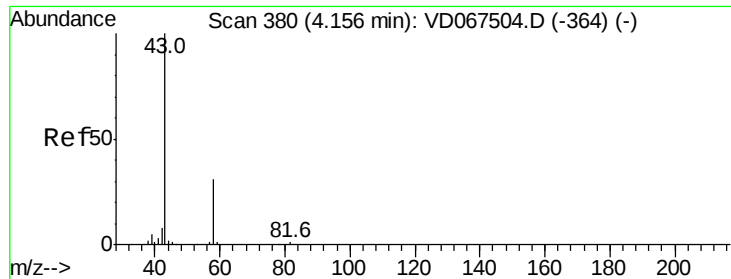
100

50

0

Time-->





#16

Acetone

Concen: 2.318 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067541.D

Acq: 05 Nov 2020 17:07

Instrument :

MSVOA_D

ClientSampleId :

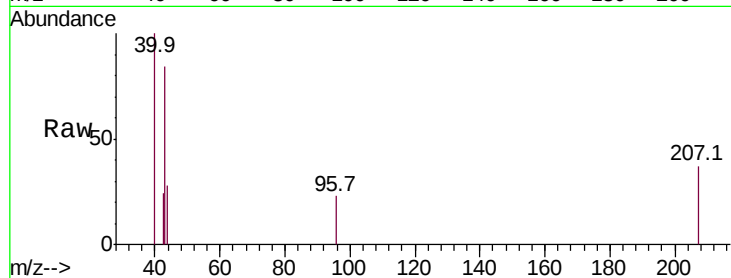
PAV-B49-110520-17-18

Tot Ion: 43 Resp: 904

Ion Ratio Lower Upper

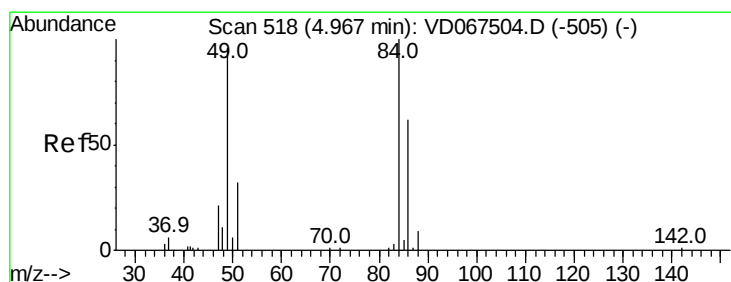
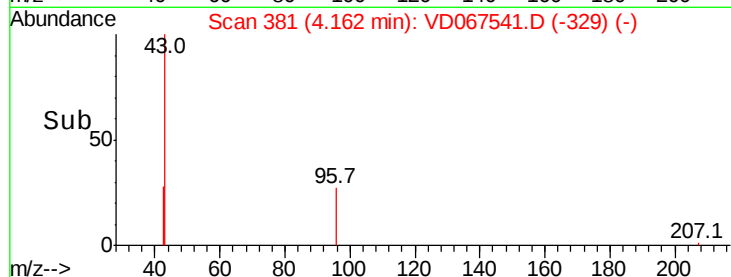
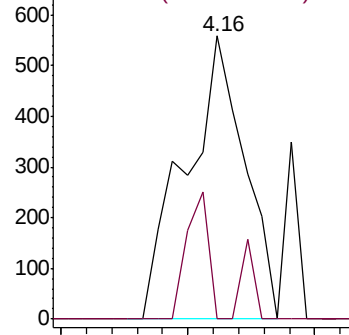
43 100

58 0.0 25.2 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 1.650 ug/l

RT: 4.95 min Scan# 515

Delta R.T. -0.02 min

Lab File: VD067541.D

Acq: 05 Nov 2020 17:07

Tgt Ion: 84 Resp: 4544

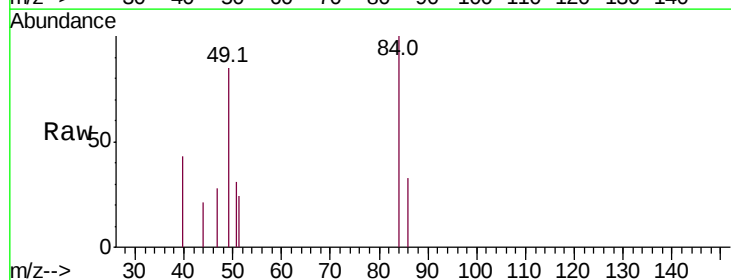
Ion Ratio Lower Upper

84 100

49 84.6 77.0 115.4

51 55.8 25.4 38.2#

86 33.5 49.4 74.0#

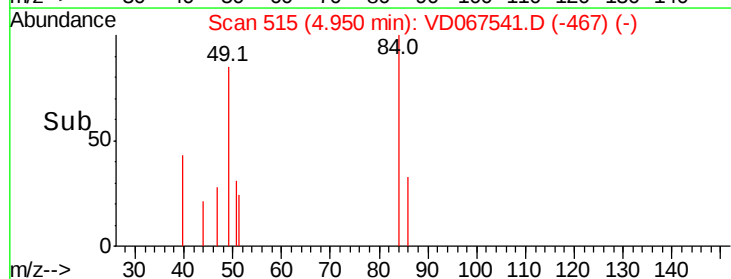
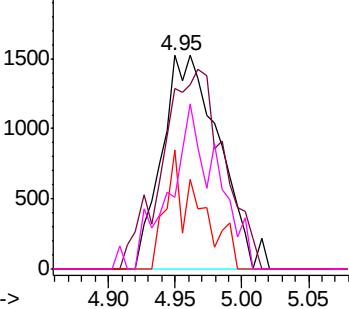


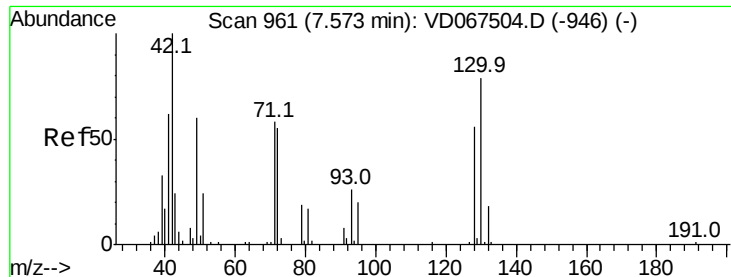
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#29

Tetrahydrofuran

Concen: 1.699 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.02 min

Lab File: VD067541.D

Acq: 05 Nov 2020 17:07

Instrument :

MSVOA_D

ClientSampleId :

PAV-B49-110520-17-18

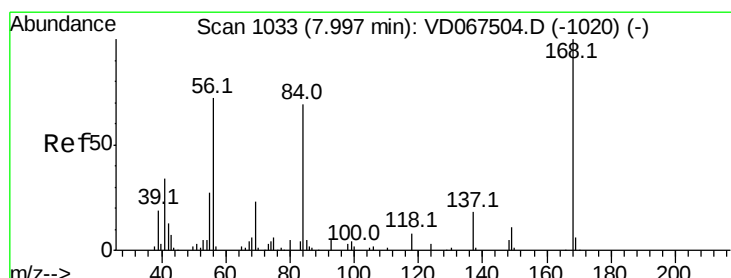
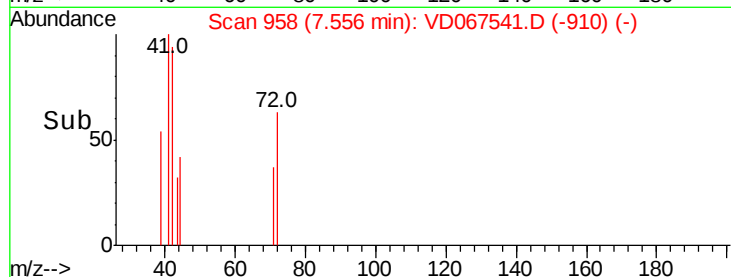
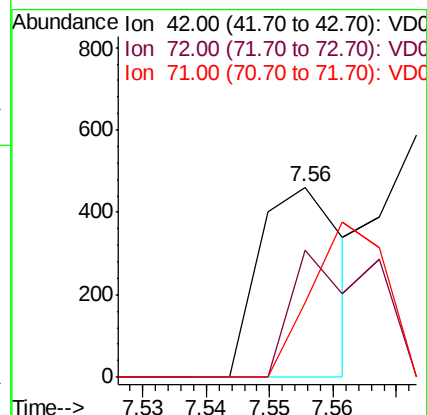
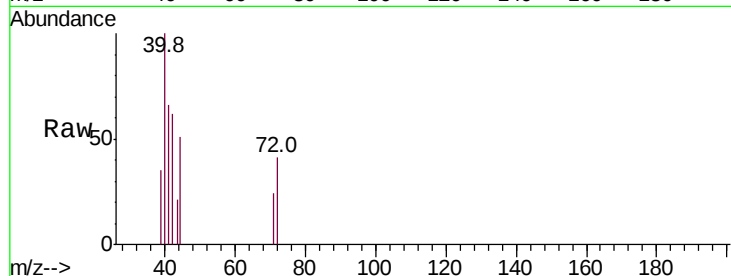
Tot Ion: 42 Resp: 424

Ion Ratio Lower Upper

42 100

72 66.3 46.3 69.5

71 94.3 44.0 66.0#



#31

Cyclohexane

Concen: 1.573 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VD067541.D

Acq: 05 Nov 2020 17:07

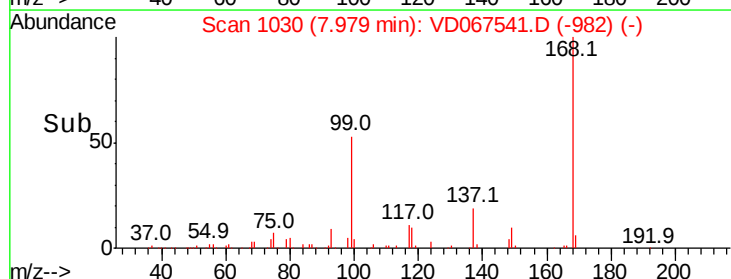
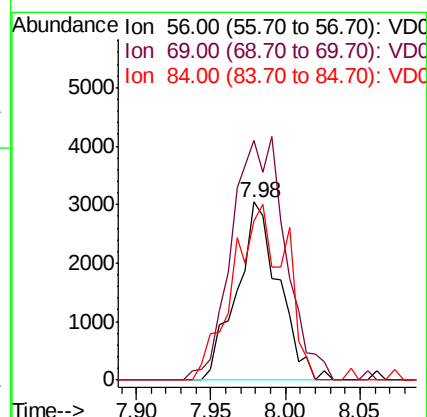
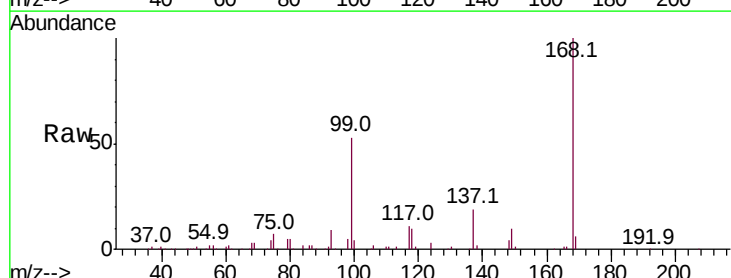
Tgt Ion: 56 Resp: 5946

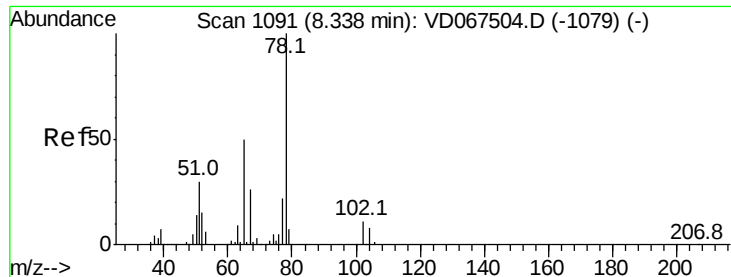
Ion Ratio Lower Upper

56 100

69 134.9 25.9 38.9#

84 89.3 76.2 114.4





#33

1,2-Dichloroethane-d4

Concen: 58.061 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067541.D

Acq: 05 Nov 2020 17:07

Instrument :

MSVOA_D

ClientSampleId :

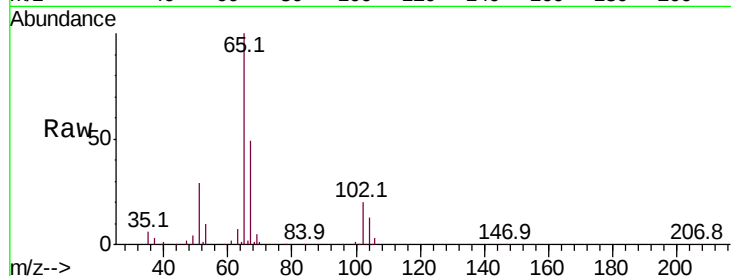
PAV-B49-110520-17-18

Tot Ion: 65 Resp: 151290

Ion Ratio Lower Upper

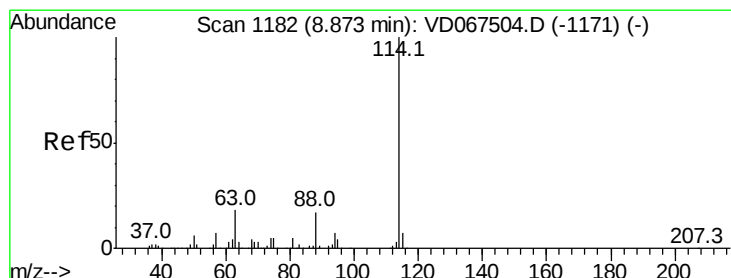
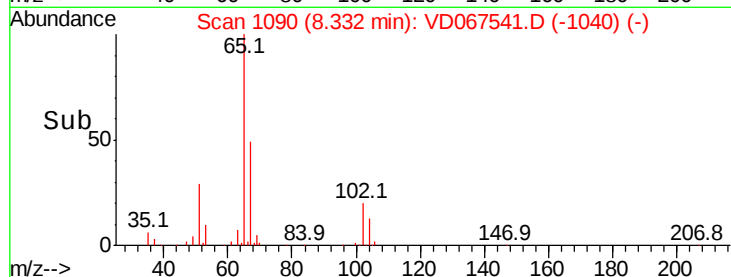
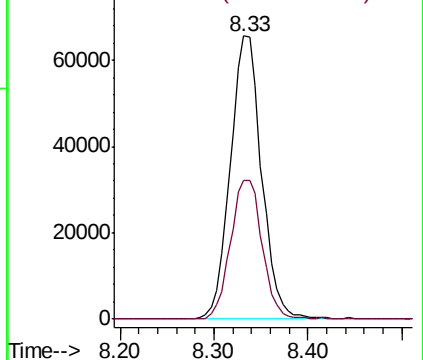
65 100

67 49.6 0.0 99.4



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: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067541.D

Acq: 05 Nov 2020 17:07

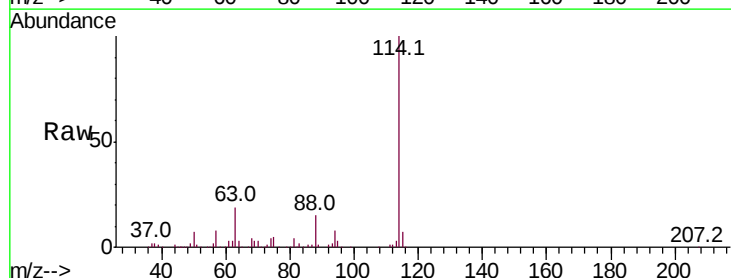
Tgt Ion:114 Resp: 468569

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.0

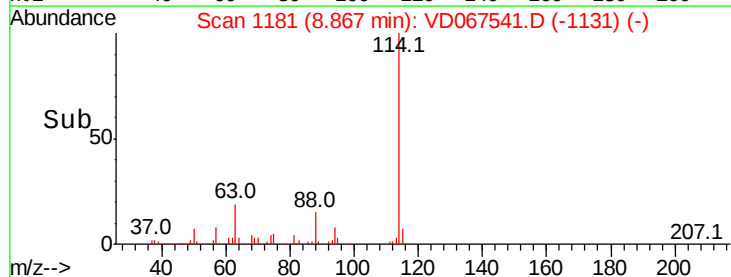
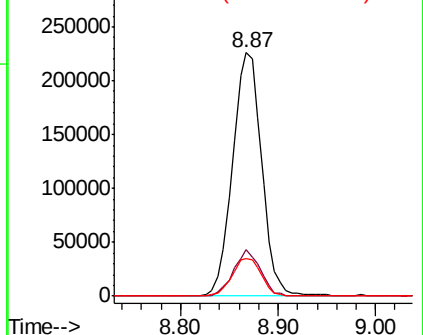
88 15.3 0.0 33.0

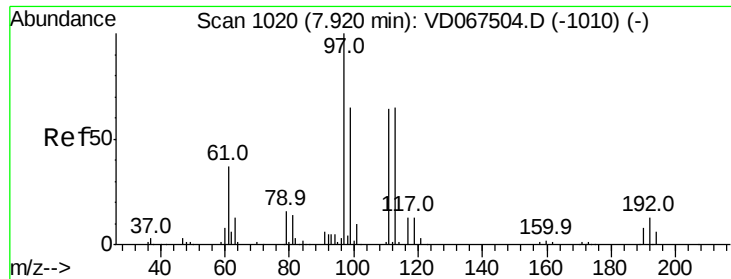


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

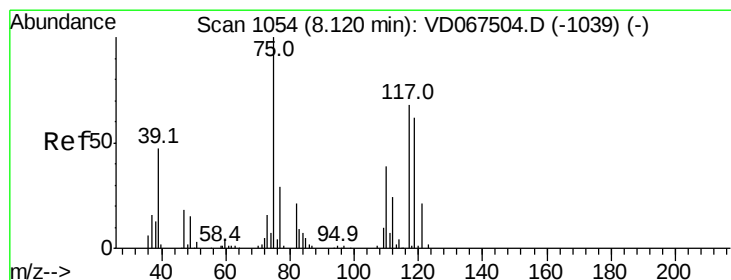
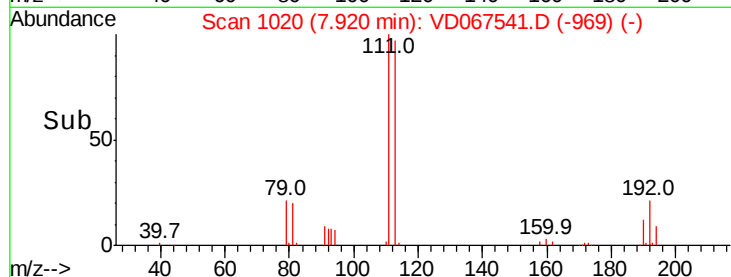
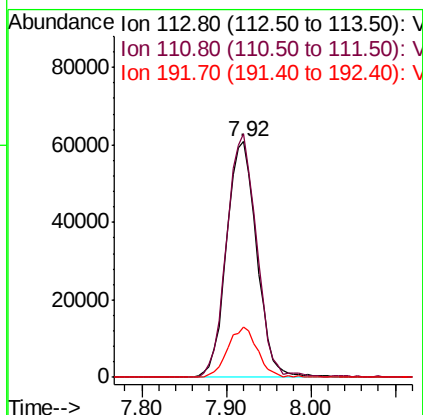
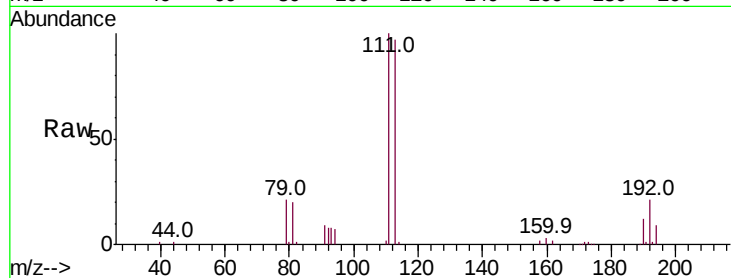




#35
 Dibromofluoromethane
 Concen: 53.117 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067541.D
 Acq: 05 Nov 2020 17:07

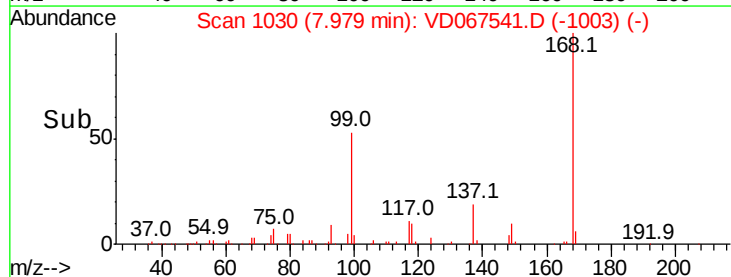
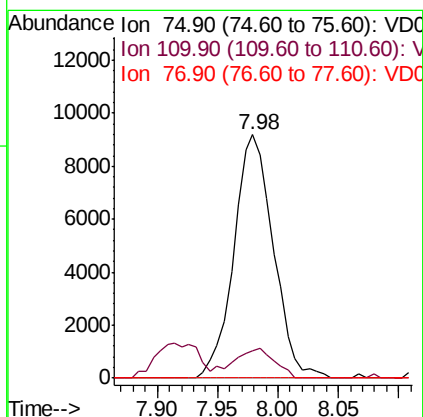
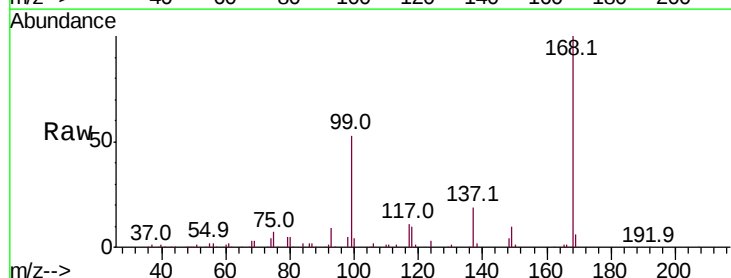
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B49-110520-17-18

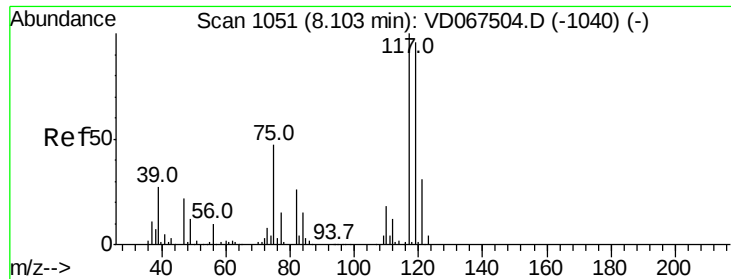
Tot Ion:113 Resp: 149956
 Ion Ratio Lower Upper
 113 100
 111 102.7 80.0 120.0
 192 20.9 16.3 24.5



#36
 1,1-Dichloropropene
 Concen: 5.221 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067541.D
 Acq: 05 Nov 2020 17:07

Tgt Ion: 75 Resp: 20939
 Ion Ratio Lower Upper
 75 100
 110 11.3 19.9 59.7#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.851 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067541.D

Acq: 05 Nov 2020 17:07

Instrument :

MSVOA_D

ClientSampleId :

PAV-B49-110520-17-18

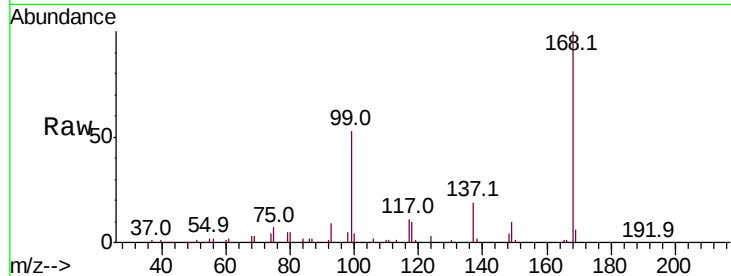
Tot Ion:117 Resp: 30490

Ion Ratio Lower Upper

117 100

119 5.8 76.9 115.3#

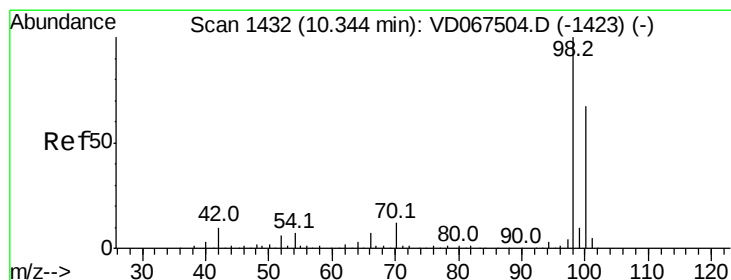
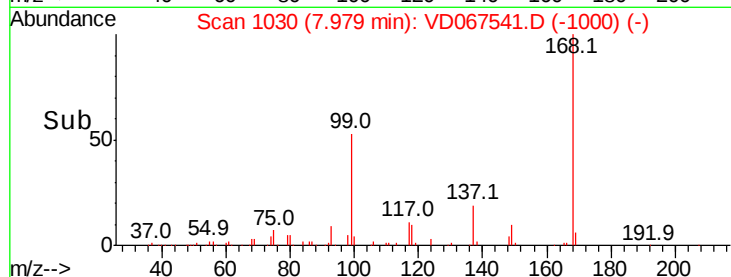
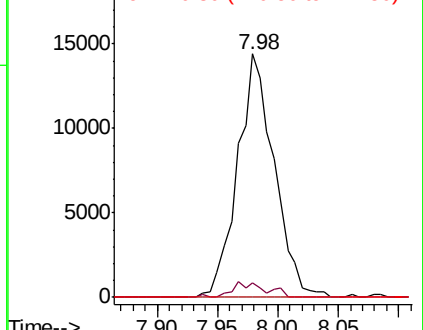
121 0.0 24.5 36.7#



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: 56.095 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067541.D

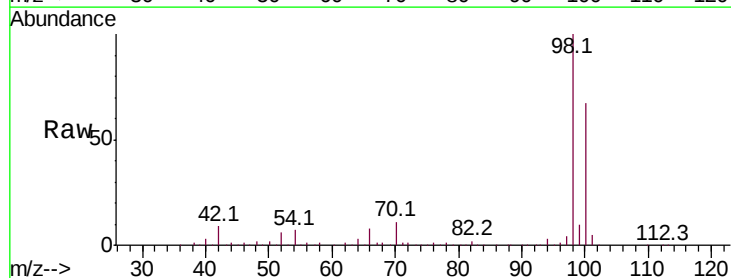
Acq: 05 Nov 2020 17:07

Tgt Ion: 98 Resp: 556525

Ion Ratio Lower Upper

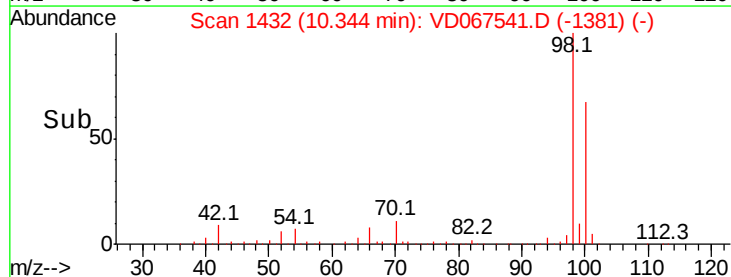
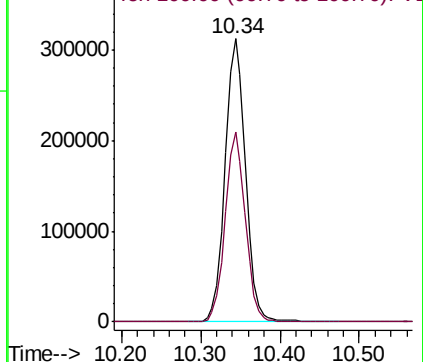
98 100

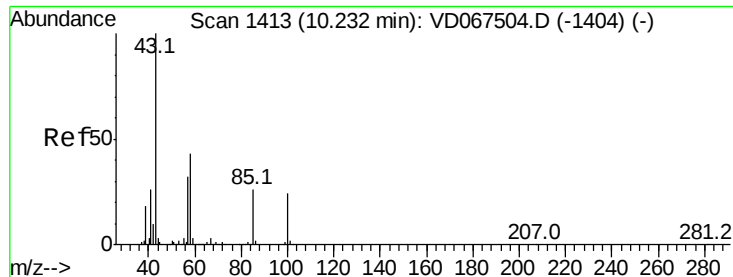
100 65.8 53.0 79.6



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: 2.387 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD067541.D

Acq: 05 Nov 2020 17:07

Instrument :

MSVOA_D

ClientSampleId :

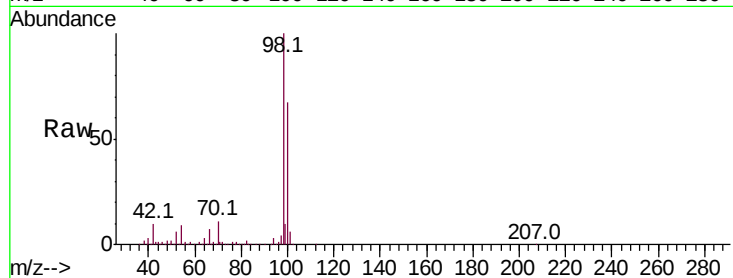
PAV-B49-110520-17-18

Tot Ion: 43 Resp: 2351

Ion Ratio Lower Upper

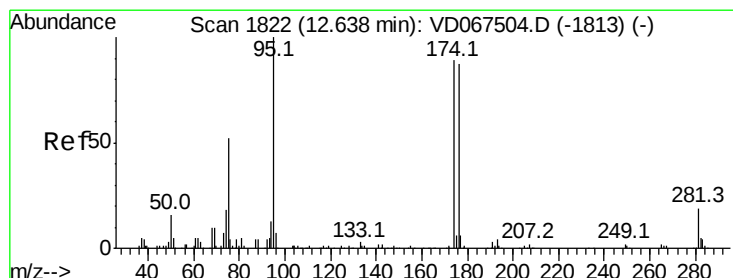
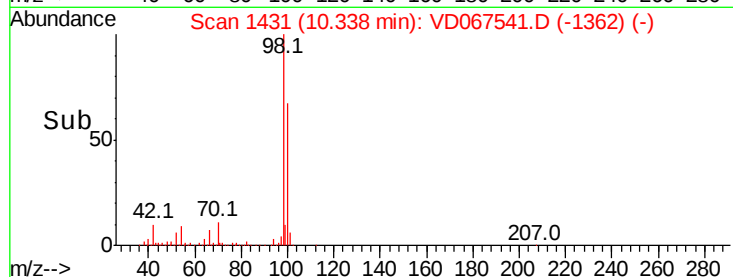
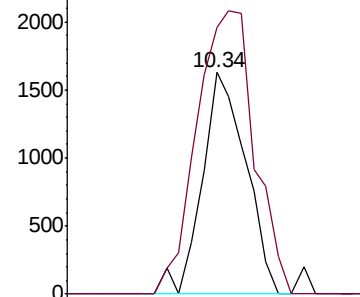
43 100

58 168.2 35.6 53.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 60.155 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067541.D

Acq: 05 Nov 2020 17:07

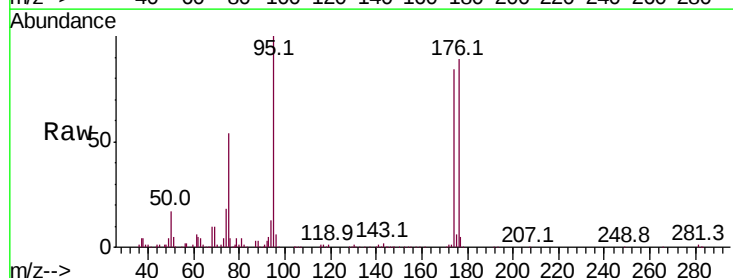
Tgt Ion: 95 Resp: 206043

Ion Ratio Lower Upper

95 100

174 88.2 0.0 177.8

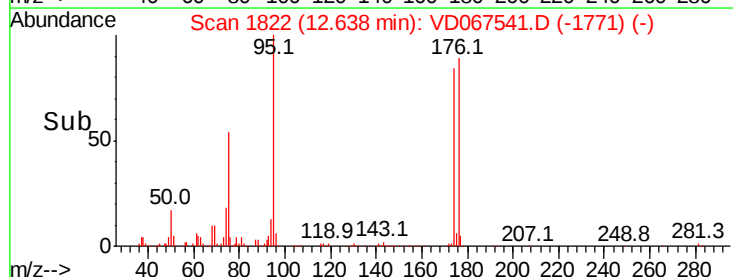
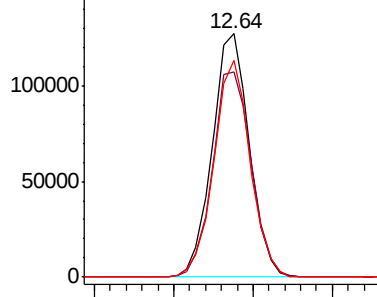
176 87.1 0.0 172.0

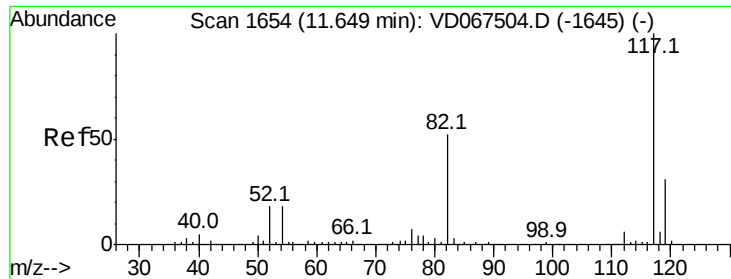


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

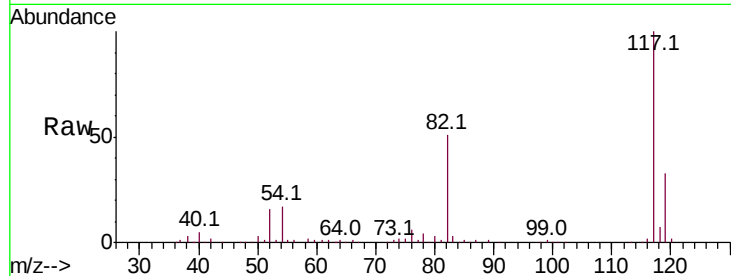




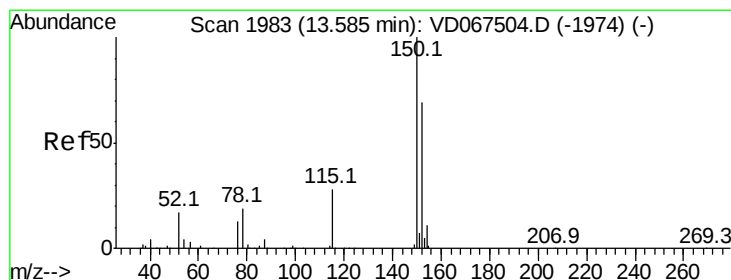
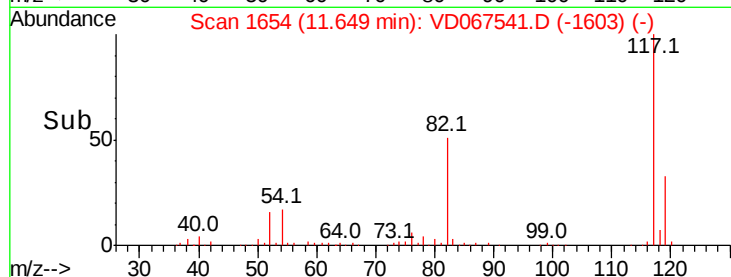
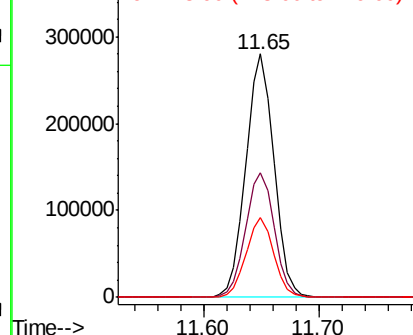
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067541.D
Acq: 05 Nov 2020 17:07

Instrument :
MSVOA_D
ClientSampleId :
PAV-B49-110520-17-18

Tot Ion:117 Resp: 475012
Ion Ratio Lower Upper
117 100
82 50.9 41.6 62.4
119 32.5 25.1 37.7

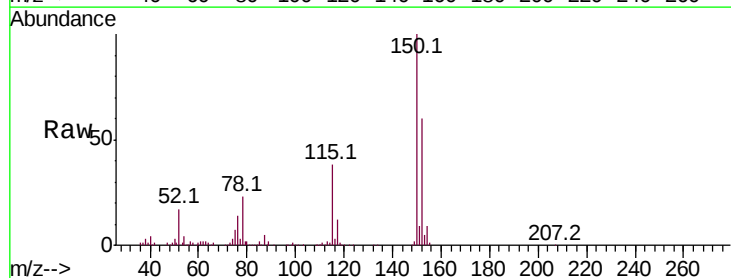


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

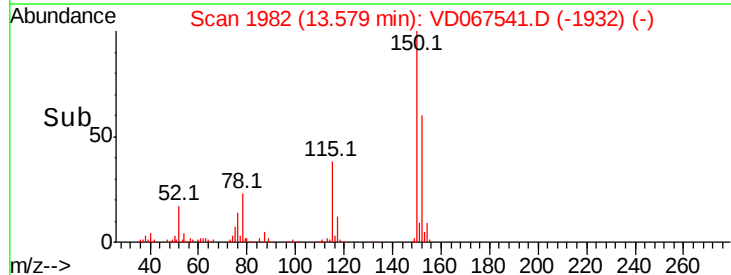
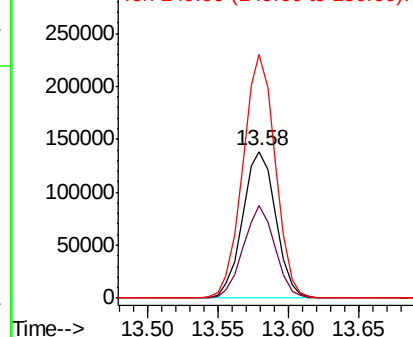


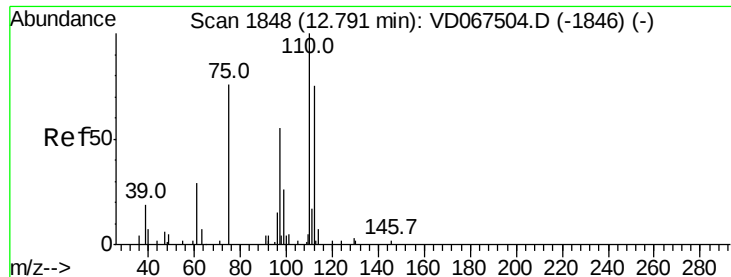
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067541.D
Acq: 05 Nov 2020 17:07

Tgt Ion:152 Resp: 227574
Ion Ratio Lower Upper
152 100
115 60.3 29.3 88.0
150 162.4 0.0 338.2



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: 78.143 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067541.D

Acq: 05 Nov 2020 17:07

Instrument :

MSVOA_D

ClientSampleId :

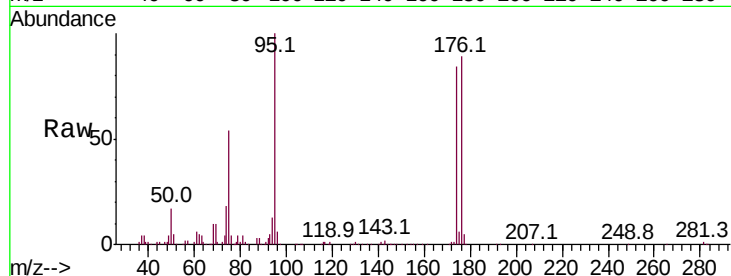
PAV-B49-110520-17-18

Tot Ion: 75 Resp: 107279

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

80000

60000

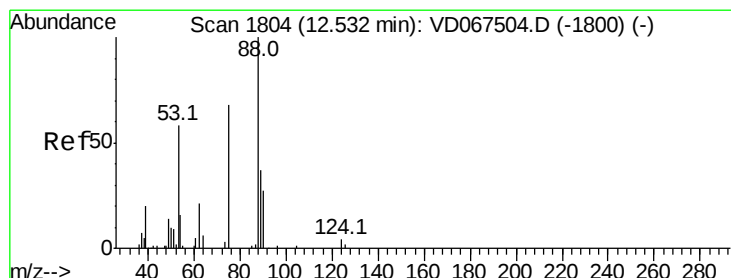
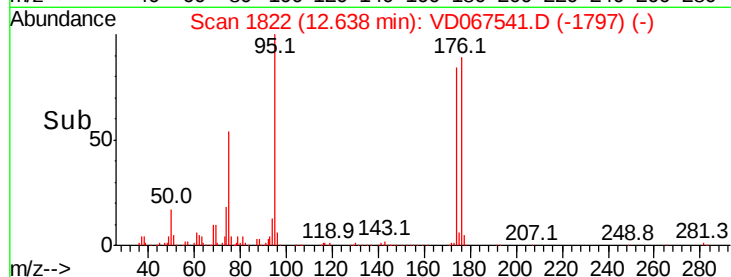
40000

20000

0

12.55 12.60 12.65 12.70

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 158.651 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067541.D

Acq: 05 Nov 2020 17:07

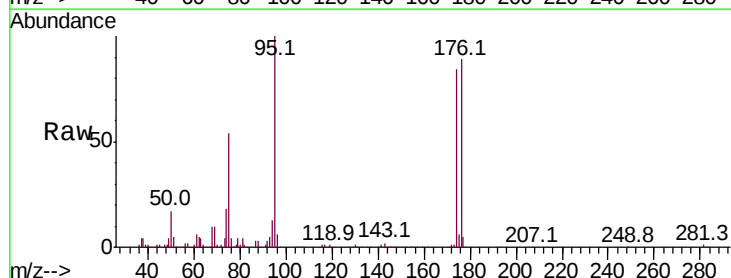
Tgt Ion: 75 Resp: 107279

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.2 44.6 67.0#



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

80000

60000

40000

20000

0

12.55 12.60 12.65 12.70

Time-->

