

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111020\
 Data File : VD067586.D
 Acq On : 10 Nov 2020 16:55
 Operator : VA/SY
 Sample : L4680-07RE
 Misc : 7.54G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B7-110920-19-20RE

Quant Time: Nov 11 00:05:32 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	256712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	421703	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	449565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	243300	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	144387	64.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	128.64%	
35) Dibromofluoromethane	7.92	113	140490	55.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.58%	
50) Toluene-d8	10.34	98	501658	56.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.36%	
62) 4-Bromofluorobenzene	12.64	95	198578	64.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	128.84%	

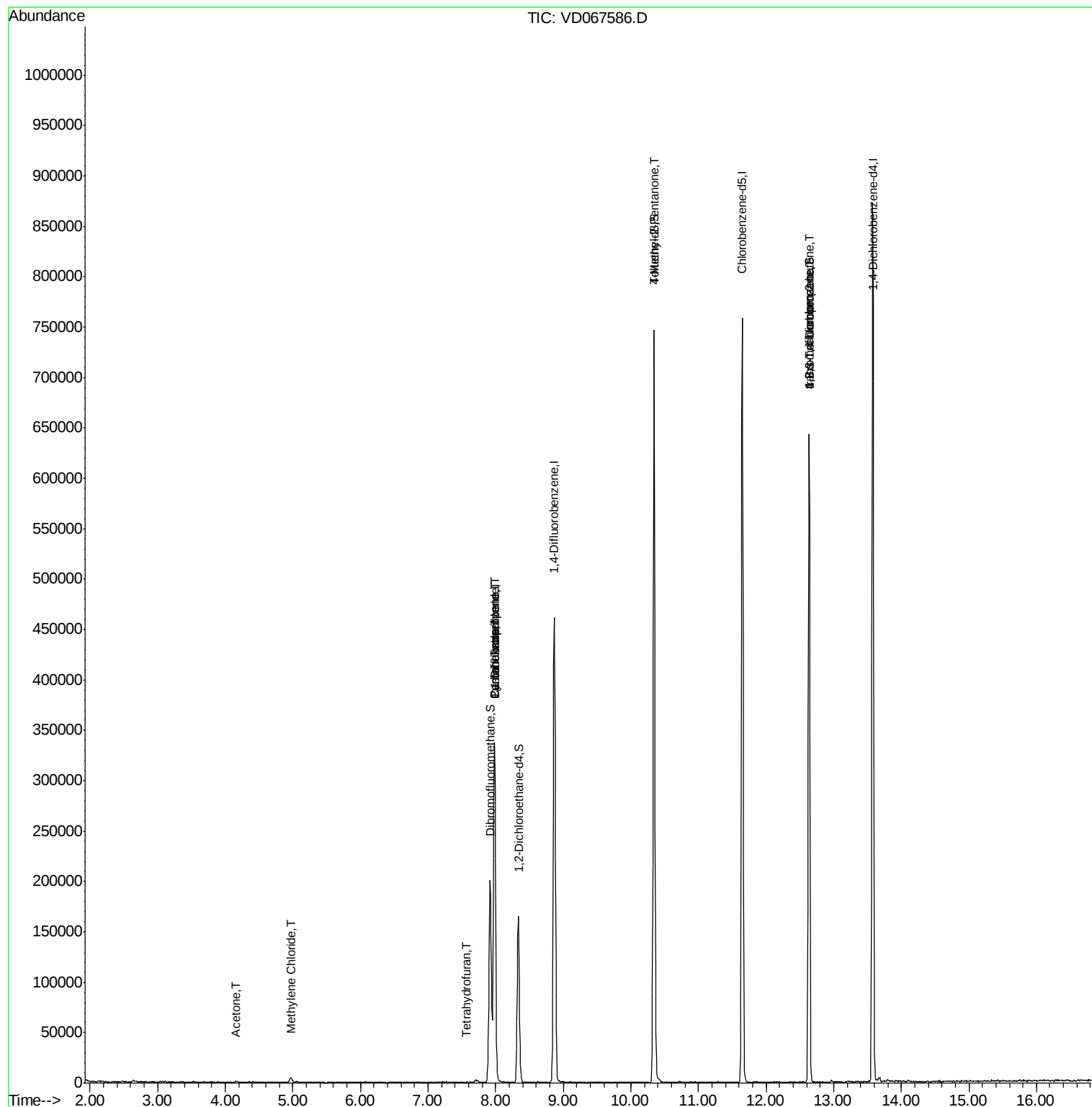
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	155	Below Cal	#	44
16) Acetone	4.16	43	2594	7.722	ug/l #	68
20) Methylene Chloride	4.97	84	3788	1.596	ug/l #	90
29) Tetrahydrofuran	7.57	42	358	1.665	ug/l #	49
31) Cyclohexane	7.98	56	5628	1.729	ug/l #	36
36) 1,1-Dichloropropene	7.98	75	17781	4.926	ug/l #	49
38) Carbon Tetrachloride	7.98	117	27053	5.768	ug/l #	17
51) 4-Methyl-2-Pentanone	10.35	43	1698	1.916	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	103375	70.432	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	103375	142.996	ug/l #	10

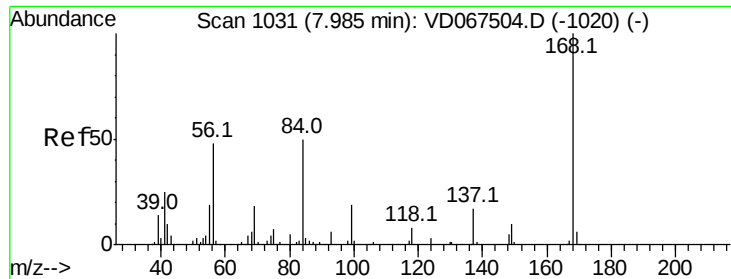
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111020\
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Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 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: VD067586.D

Acq: 10 Nov 2020 16:55

Instrument :

MSVOA_D

ClientSampleId :

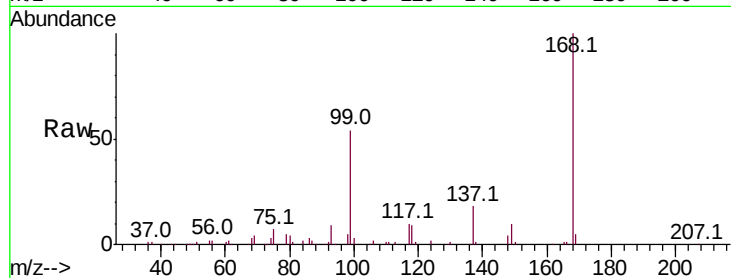
PAV-B7-110920-19-20RE

Tot Ion:168 Resp: 256712

Ion Ratio Lower Upper

168 100

99 54.5 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

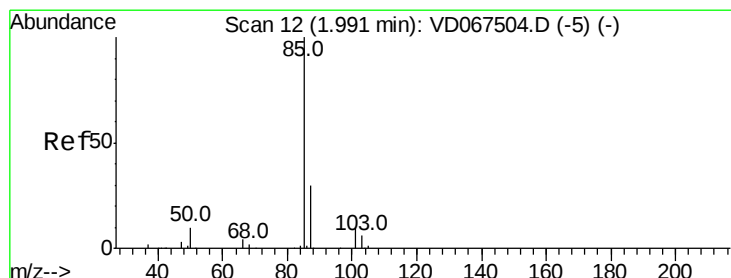
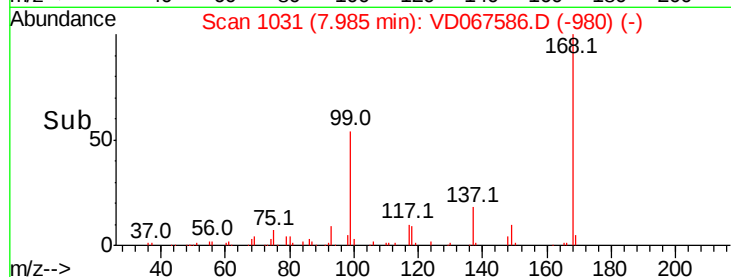
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067586.D

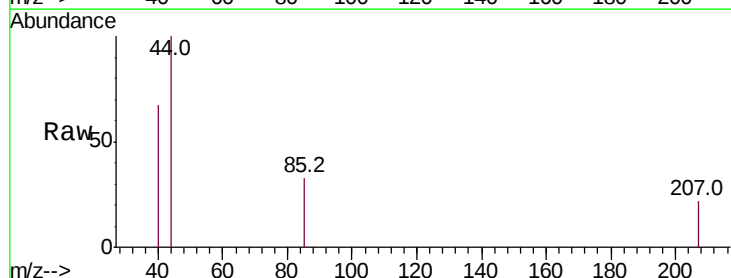
Acq: 10 Nov 2020 16:55

Tgt Ion: 85 Resp: 155

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

300

250

200

150

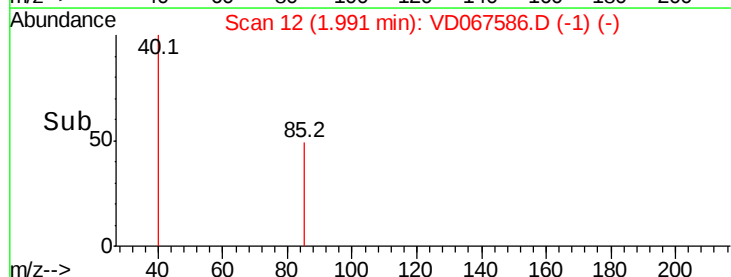
100

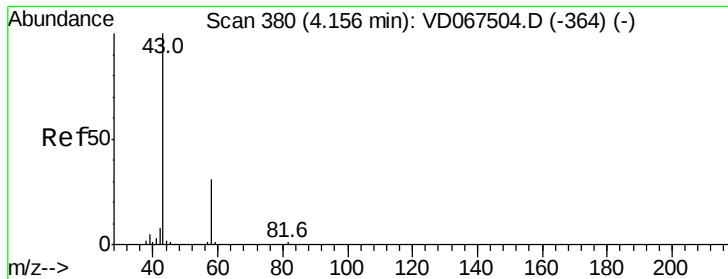
50

0

Time-->

1.98 2.00





#16

Acetone

Concen: 7.722 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067586.D

Acq: 10 Nov 2020 16:55

Instrument :

MSVOA_D

ClientSampleId :

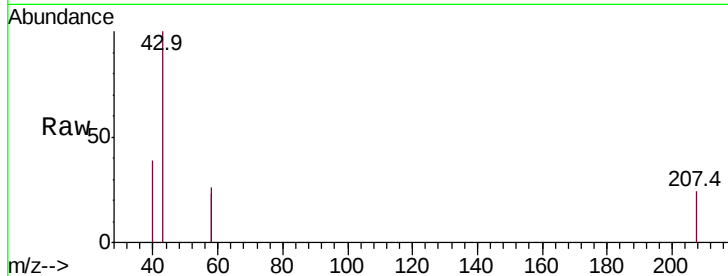
PAV-B7-110920-19-20RE

Tot Ion: 43 Resp: 2594

Ion Ratio Lower Upper

43 100

58 49.4 25.2 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

1000

800

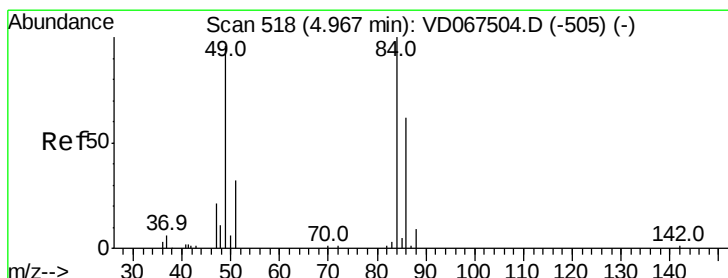
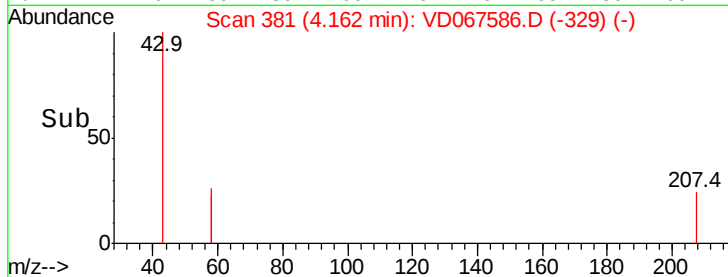
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 1.596 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067586.D

Acq: 10 Nov 2020 16:55

Tgt Ion: 84 Resp: 3788

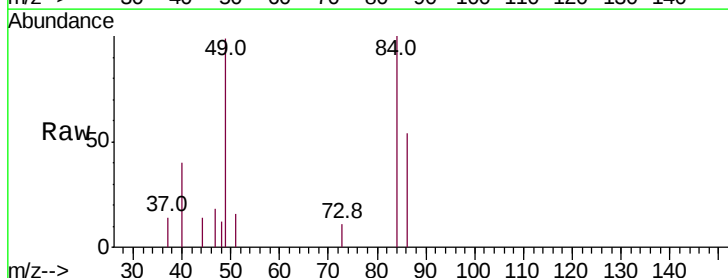
Ion Ratio Lower Upper

84 100

49 99.1 77.0 115.4

51 16.3 25.4 38.2#

86 53.6 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

2000

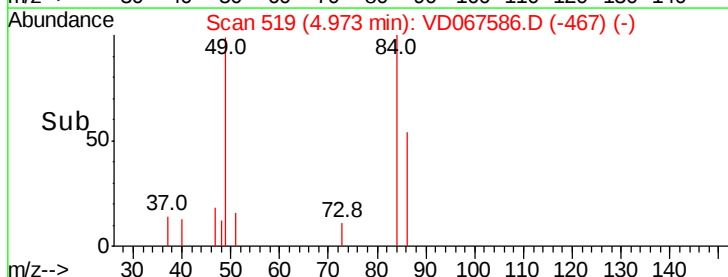
1500

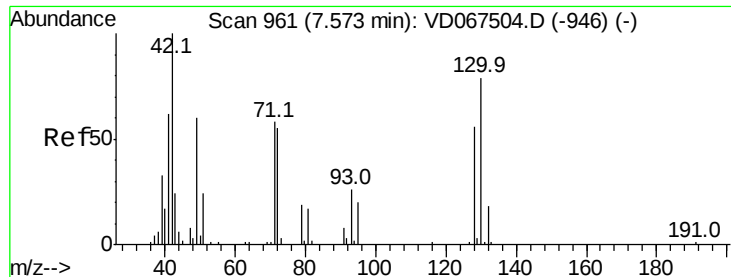
1000

500

0

Time-->





#29

Tetrahydrofuran

Concen: 1.665 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD067586.D

Acq: 10 Nov 2020 16:55

Instrument :

MSVOA_D

ClientSampleId :

PAV-B7-110920-19-20RE

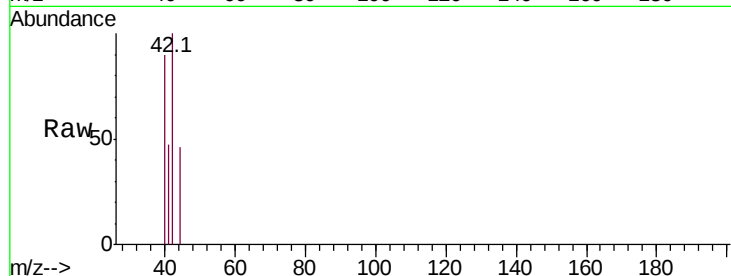
Tot Ion: 42 Resp: 358

Ion Ratio Lower Upper

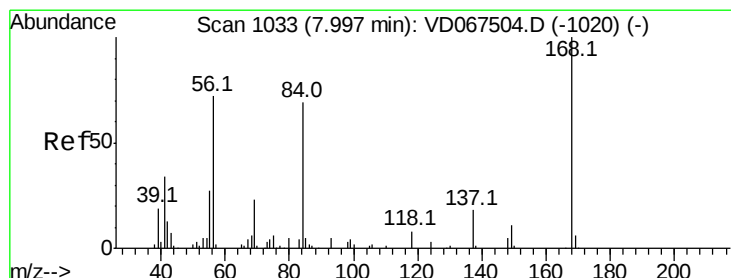
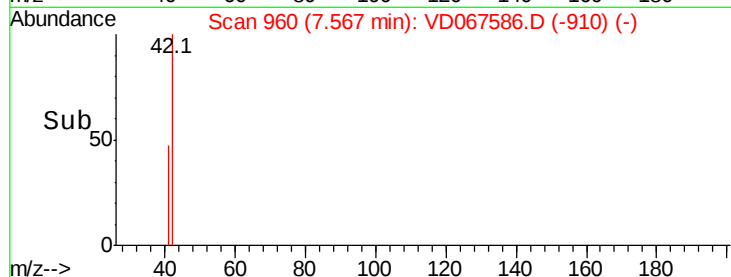
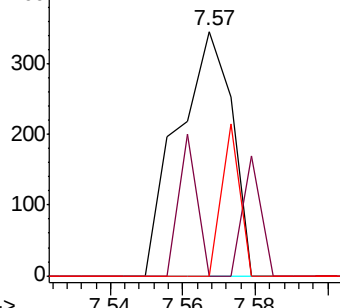
42 100

72 16.8 46.3 69.5#

71 21.2 44.0 66.0#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 1.729 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VD067586.D

Acq: 10 Nov 2020 16:55

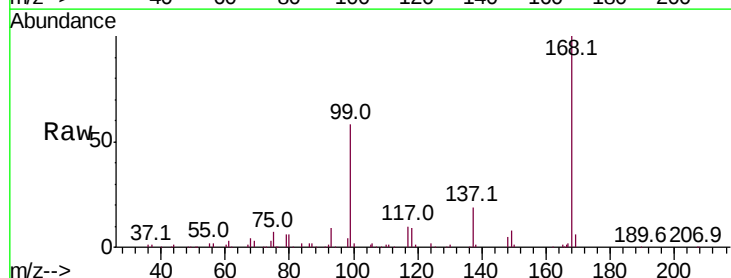
Tgt Ion: 56 Resp: 5628

Ion Ratio Lower Upper

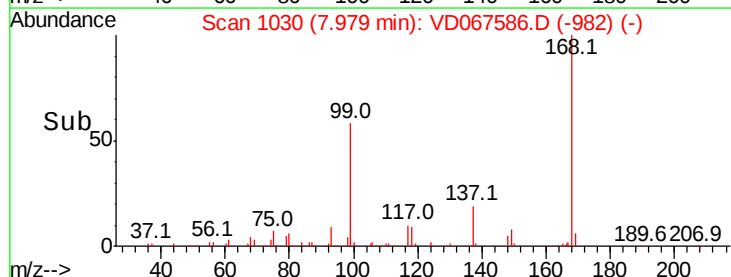
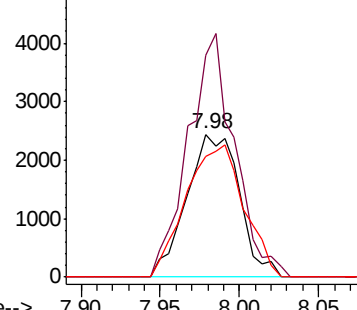
56 100

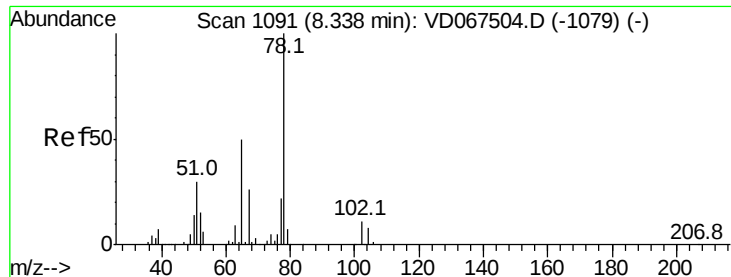
69 155.9 25.9 38.9#

84 85.1 76.2 114.4



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 64.325 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067586.D

Acq: 10 Nov 2020 16:55

Instrument :

MSVOA_D

ClientSampleId :

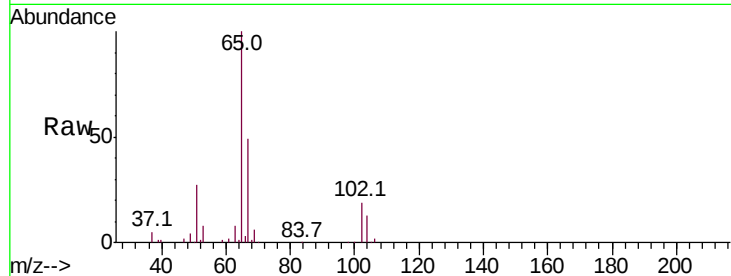
PAV-B7-110920-19-20RE

Tot Ion: 65 Resp: 144387

Ion Ratio Lower Upper

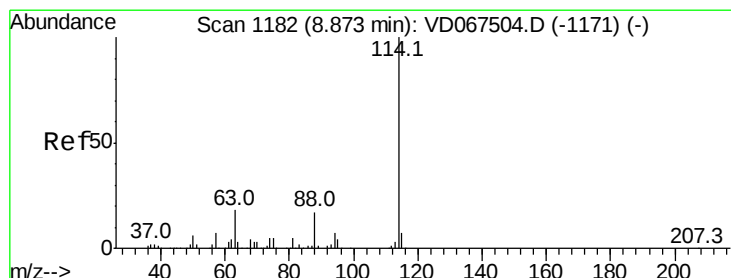
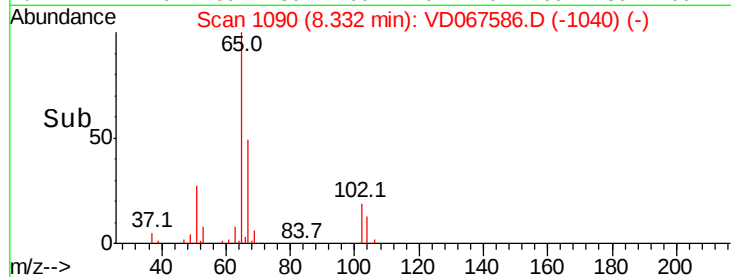
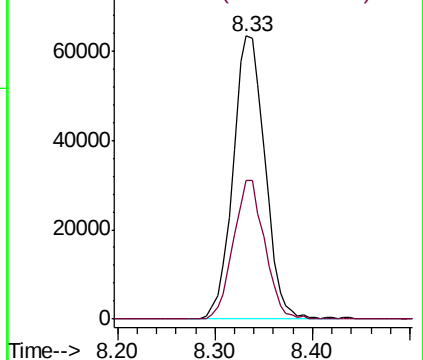
65 100

67 48.3 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: VD067586.D

Acq: 10 Nov 2020 16:55

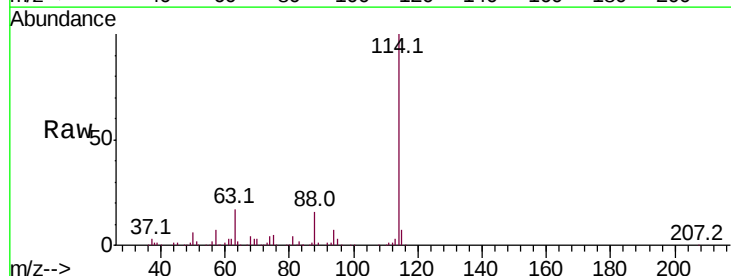
Tgt Ion:114 Resp: 421703

Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.0

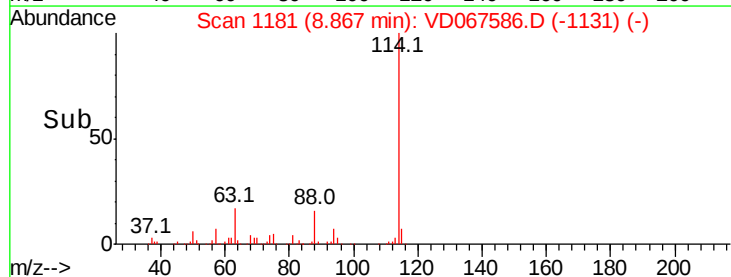
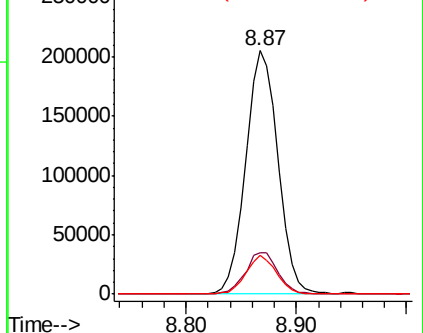
88 15.8 0.0 33.0

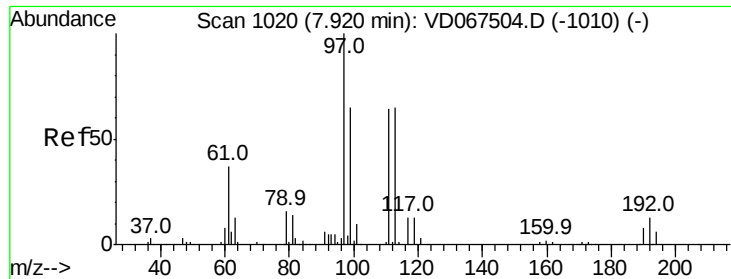


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

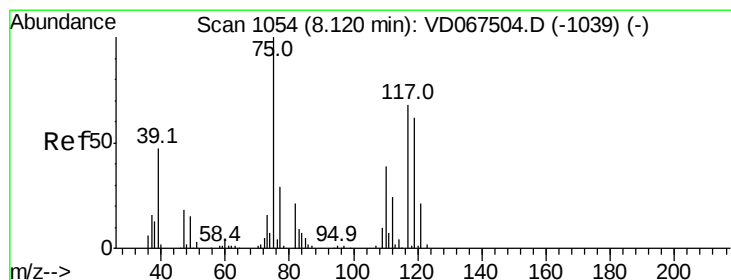
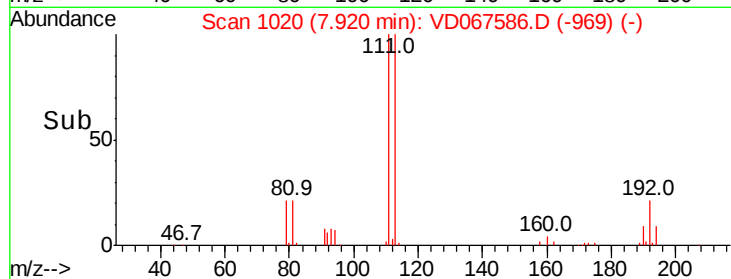
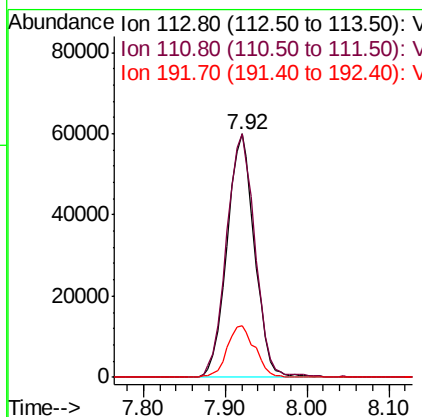
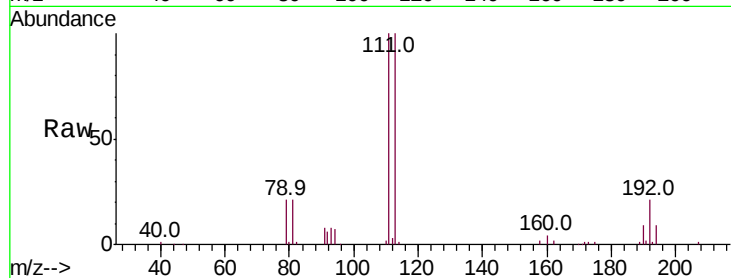




#35
 Dibromofluoromethane
 Concen: 55.295 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067586.D
 Acq: 10 Nov 2020 16:55

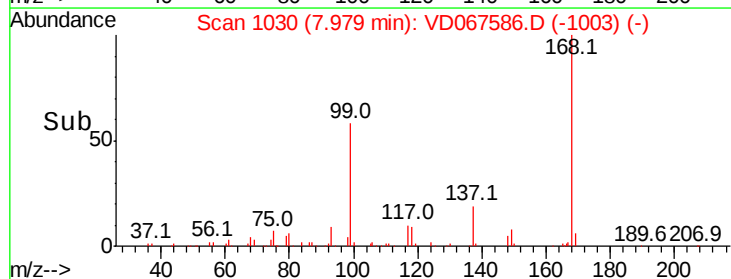
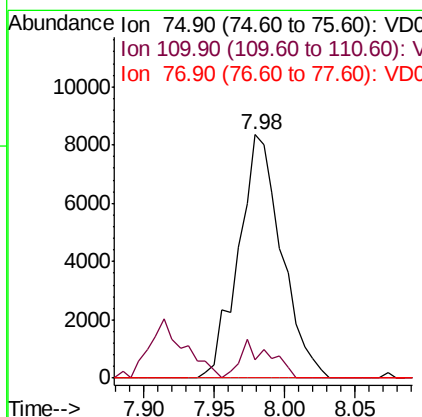
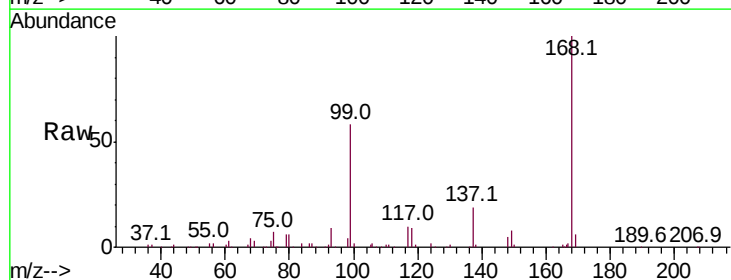
Instrument :
 MSVOA_D
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 PAV-B7-110920-19-20RE

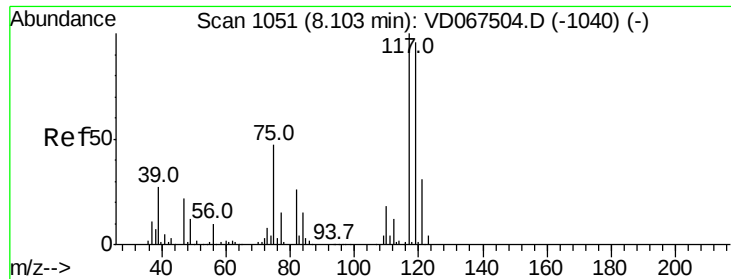
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.0	120.0
192	21.5	16.3	24.5



#36
 1,1-Dichloropropene
 Concen: 4.926 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067586.D
 Acq: 10 Nov 2020 16:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.9	19.9	59.7#
77	0.0	24.8	37.2#

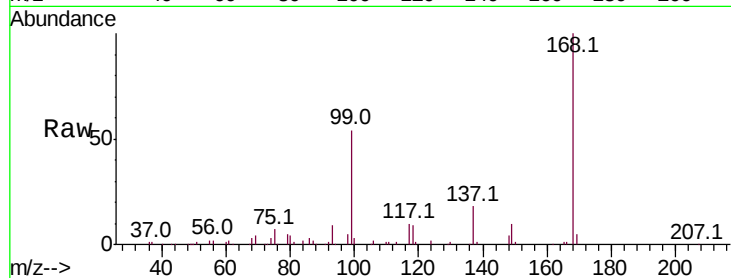




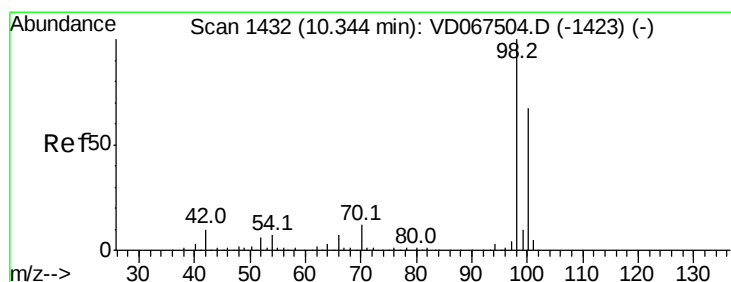
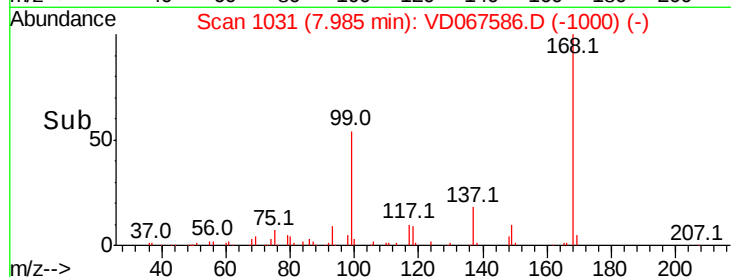
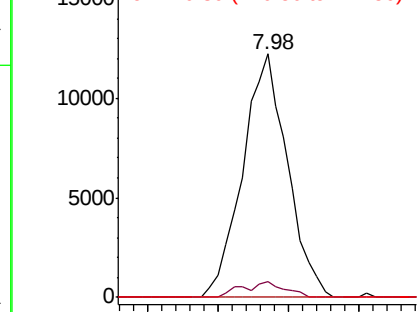
#38
Carbon Tetrachloride
Concen: 5.768 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD067586.D
Acq: 10 Nov 2020 16:55

Instrument :
MSVOA_D
ClientSampleId :
PAV-B7-110920-19-20RE

Tot Ion:117 Resp: 27053
Ion Ratio Lower Upper
117 100
119 6.7 76.9 115.3#
121 0.0 24.5 36.7#

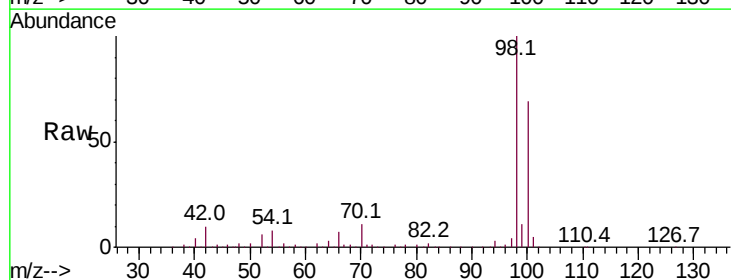


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

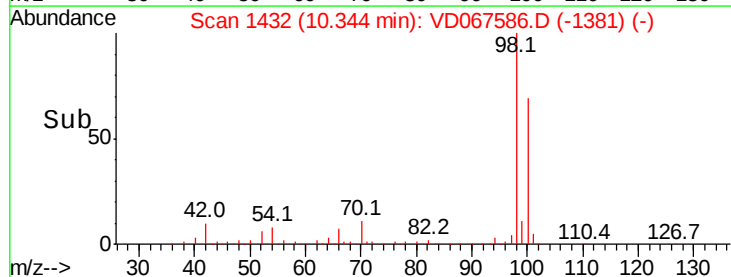
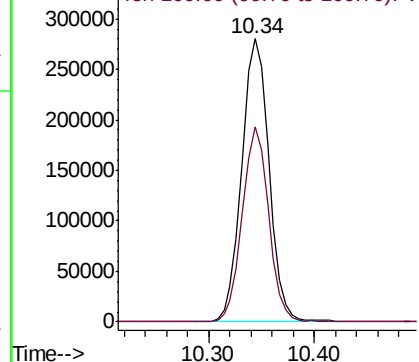


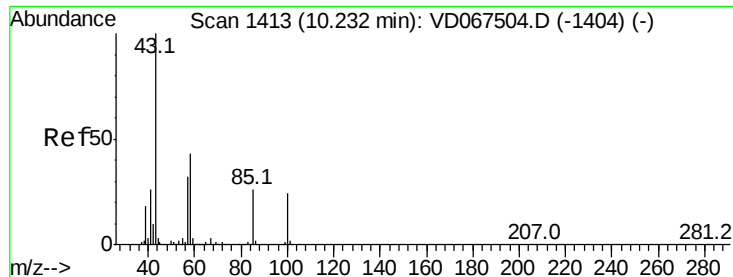
#50
Toluene-d8
Concen: 56.184 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067586.D
Acq: 10 Nov 2020 16:55

Tgt Ion: 98 Resp: 501658
Ion Ratio Lower Upper
98 100
100 66.7 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: 1.916 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.12 min

Lab File: VD067586.D

Acq: 10 Nov 2020 16:55

Instrument :

MSVOA_D

ClientSampleId :

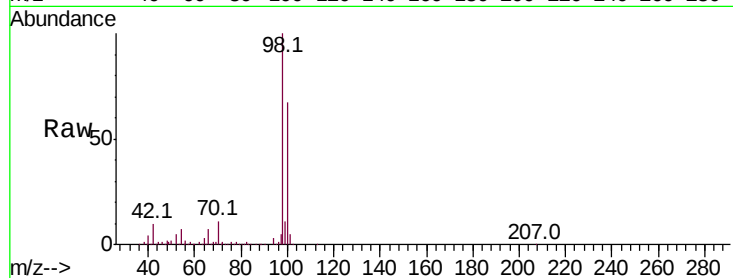
PAV-B7-110920-19-20RE

Tot Ion: 43 Resp: 1698

Ion Ratio Lower Upper

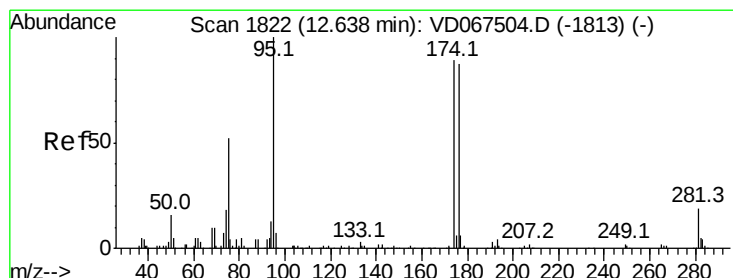
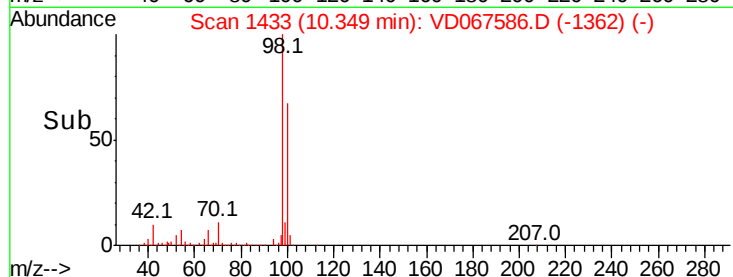
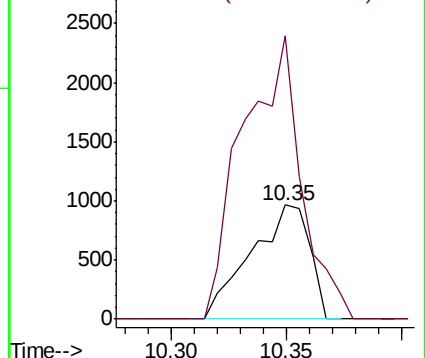
43 100

58 249.6 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: 64.418 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067586.D

Acq: 10 Nov 2020 16:55

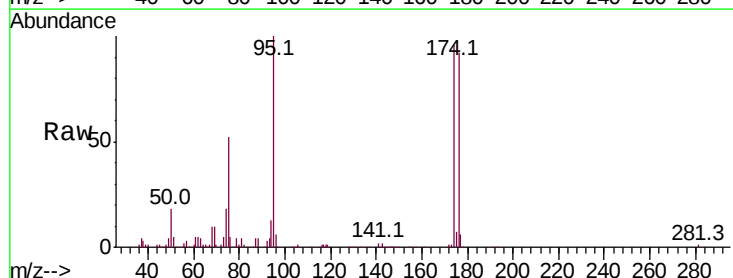
Tgt Ion: 95 Resp: 198578

Ion Ratio Lower Upper

95 100

174 92.5 0.0 177.8

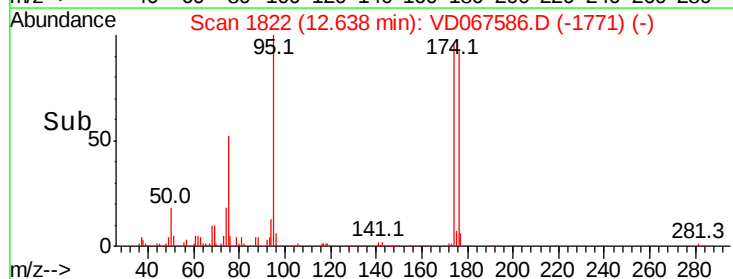
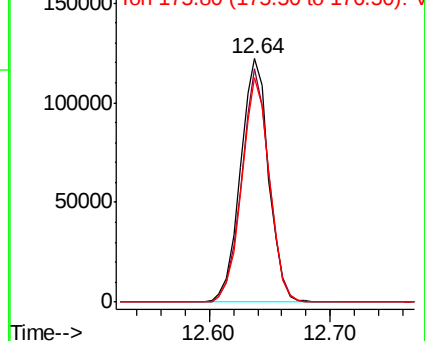
176 90.4 0.0 172.0

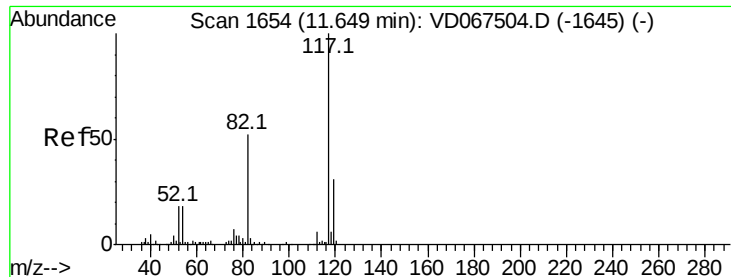


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

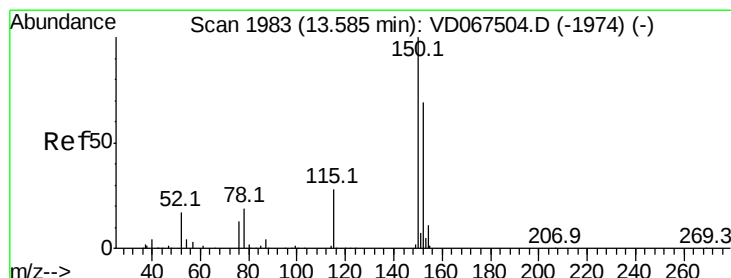
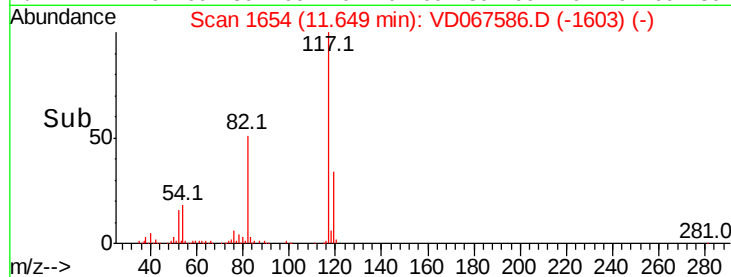
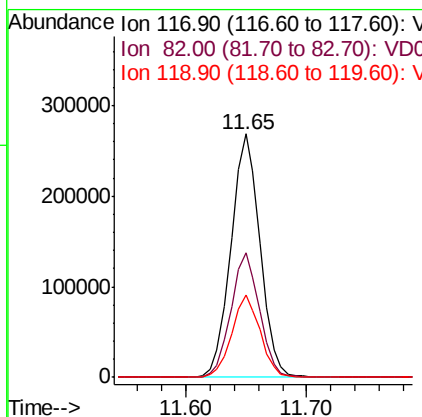
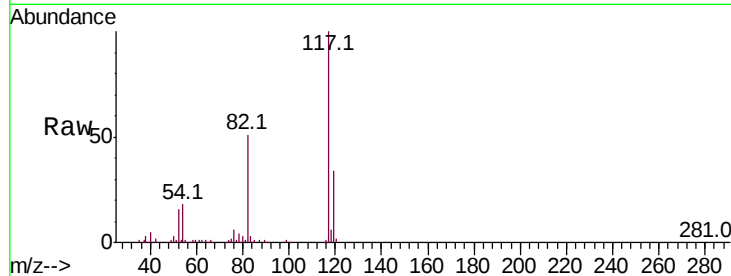




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067586.D
Acq: 10 Nov 2020 16:55

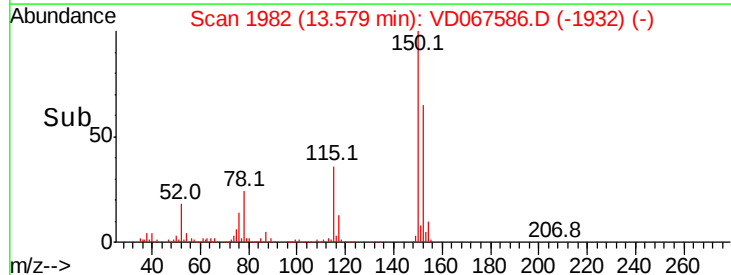
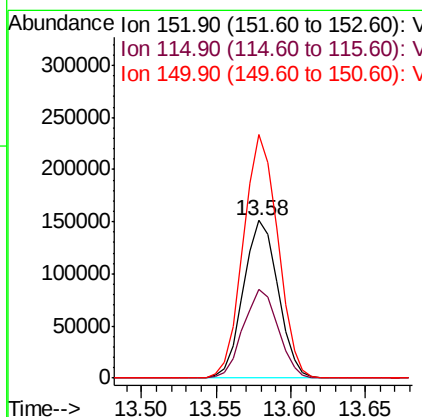
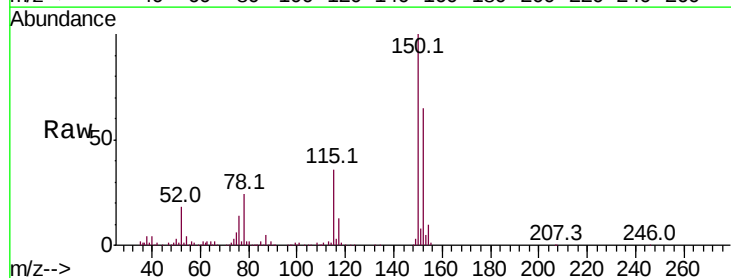
Instrument :
MSVOA_D
ClientSampleId :
PAV-B7-110920-19-20RE

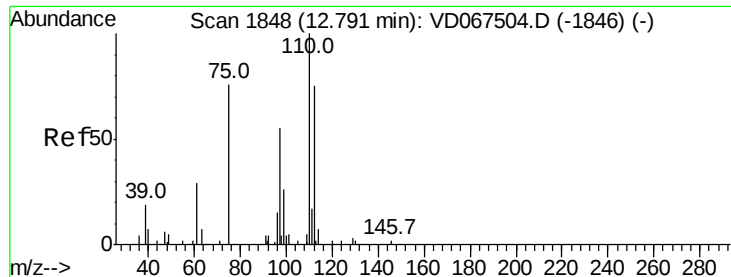
Tot Ion:117 Resp: 449565
Ion Ratio Lower Upper
117 100
82 51.0 41.6 62.4
119 34.0 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067586.D
Acq: 10 Nov 2020 16:55

Tgt Ion:152 Resp: 243300
Ion Ratio Lower Upper
152 100
115 56.8 29.3 88.0
150 154.0 0.0 338.2





#76

1,2,3-Trichloropropane

Concen: 70.432 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067586.D

Acq: 10 Nov 2020 16:55

Instrument :

MSVOA_D

ClientSampleId :

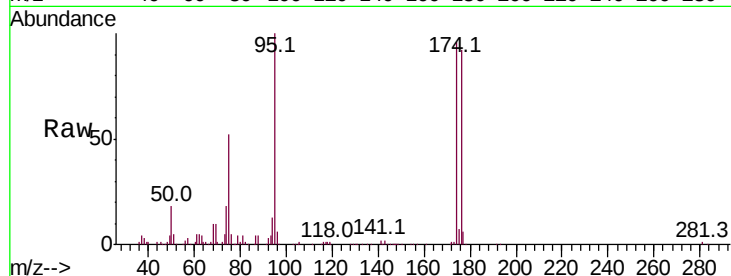
PAV-B7-110920-19-20RE

Tot Ion: 75 Resp: 103375

Ion Ratio Lower Upper

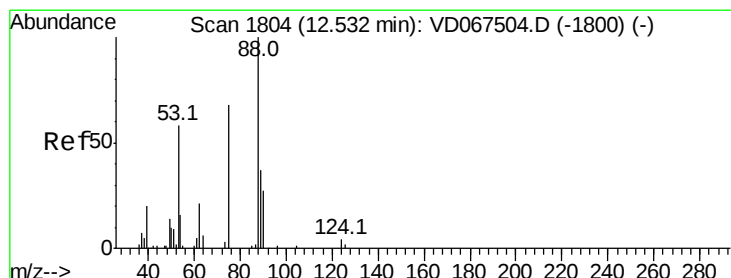
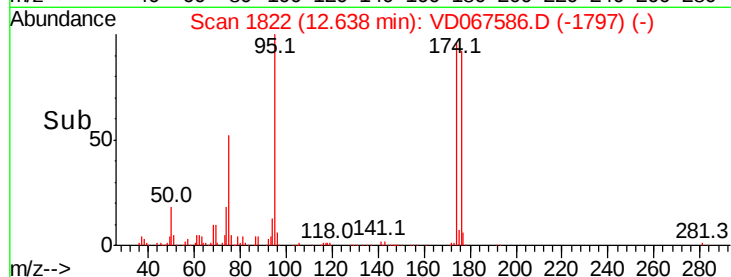
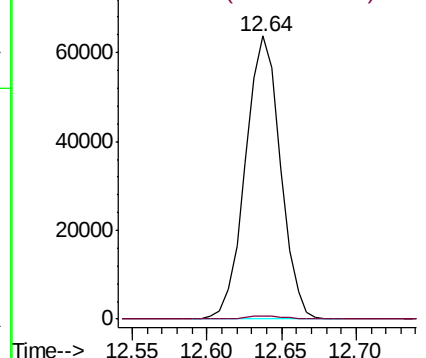
75 100

77 1.0 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: 142.996 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067586.D

Acq: 10 Nov 2020 16:55

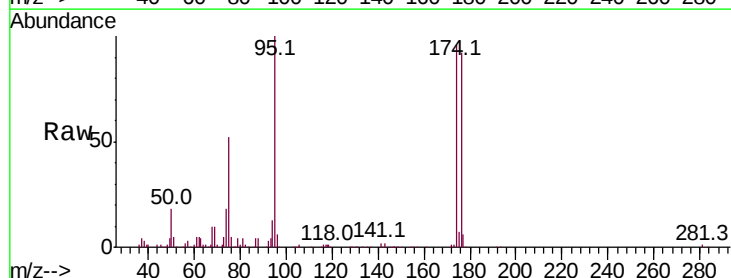
Tgt Ion: 75 Resp: 103375

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.1 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

