

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067127.D
 Acq On : 07 Oct 2020 01:24
 Operator : VA/SY
 Sample : L4260-15
 Misc : 7.27G/5.00ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B23-100220-18-19

Quant Time: Oct 07 02:08:51 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	412343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	672404	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	609036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	285132	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	189780	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	
35) Dibromofluoromethane	7.91	113	211673	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
50) Toluene-d8	10.34	98	771080	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	
62) 4-Bromofluorobenzene	12.64	95	255262	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	

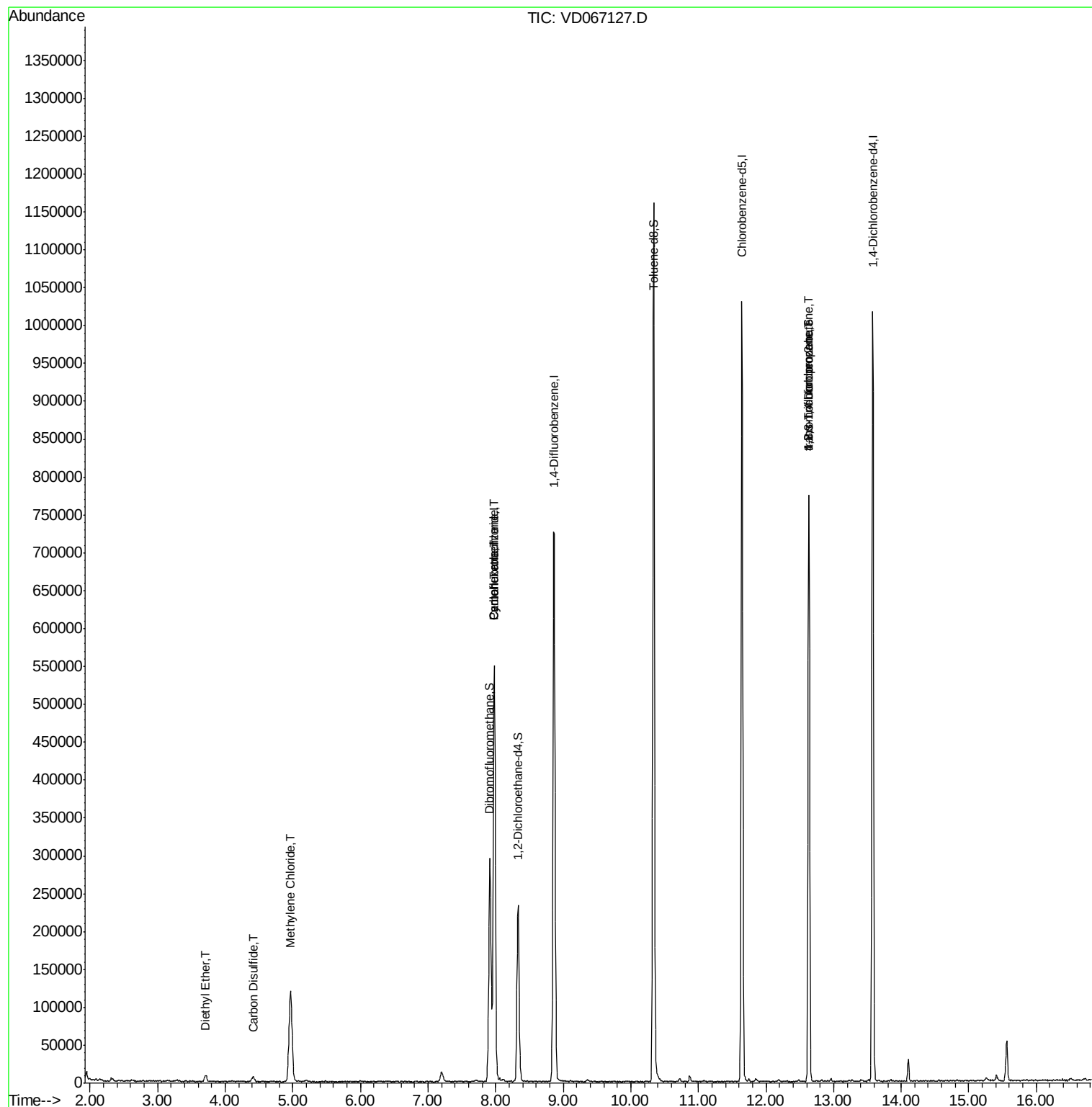
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	718	Below Cal	#	40
5) Bromomethane	2.78	94	619	Below Cal	#	65
8) Diethyl Ether	3.71	74	4608	2.540	ug/l	99
11) Tert butyl alcohol	5.19	59	551	Below Cal	#	72
17) Carbon Disulfide	4.41	76	14407	1.208	ug/l #	87
20) Methylene Chloride	4.97	84	102488	19.364	ug/l	96
26) 2,2-Dichloropropane	7.20	77	949	Below Cal	#	53
31) Cyclohexane	7.97	56	9038	1.515	ug/l #	32
38) Carbon Tetrachloride	7.98	117	42084	6.206	ug/l #	15
76) 1,2,3-Trichloropropane	12.63	75	127047	51.154	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	127047	127.535	ug/l #	12

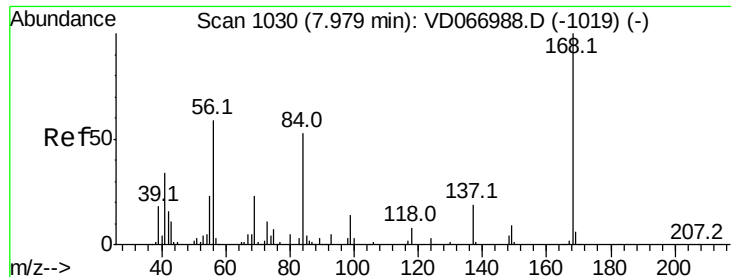
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1030

Delta R.T. 0.00 min

Lab File: VD067127.D

Acq: 07 Oct 2020 01:24

Instrument :

MSVOA_D

ClientSampleId :

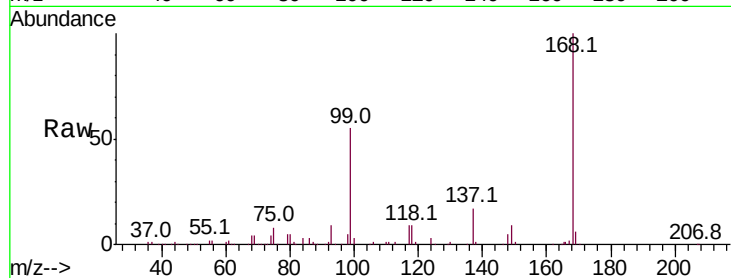
PAV-B23-100220-18-19

Tot Ion:168 Resp: 412343

Ion Ratio Lower Upper

168 100

99 55.2 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

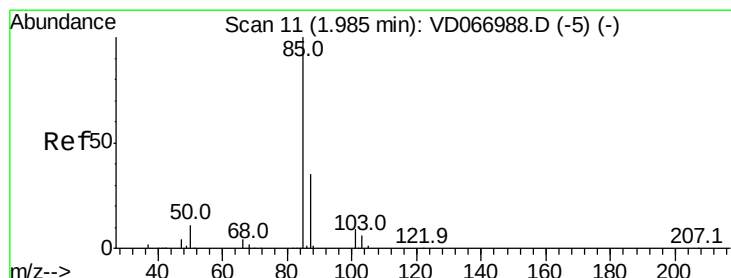
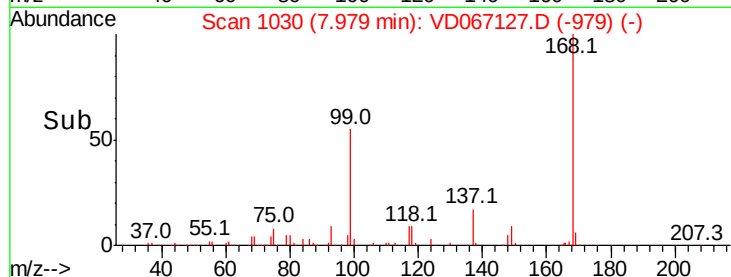
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067127.D

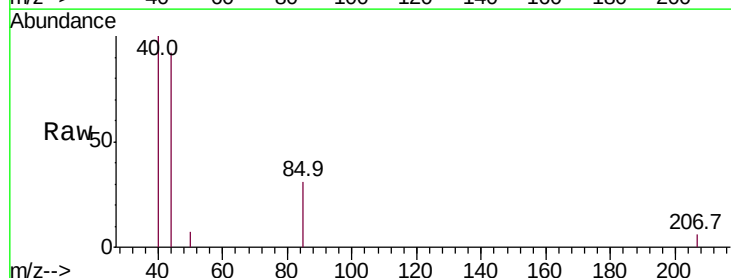
Acq: 07 Oct 2020 01:24

Tgt Ion: 85 Resp: 718

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

800

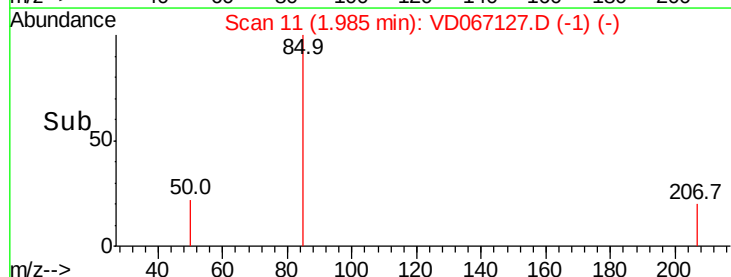
600

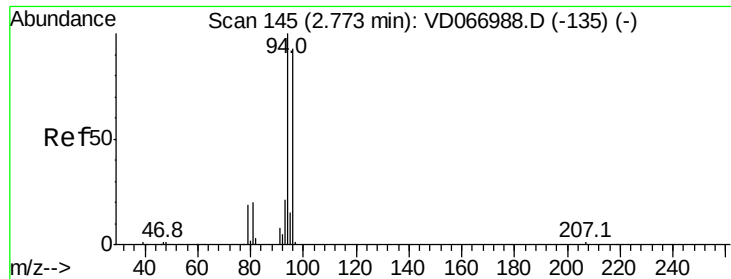
400

200

0

Time--> 1.94 1.96 1.98 2.00 2.02





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067127.D

Acq: 07 Oct 2020 01:24

Instrument :

MSVOA_D

ClientSampleId :

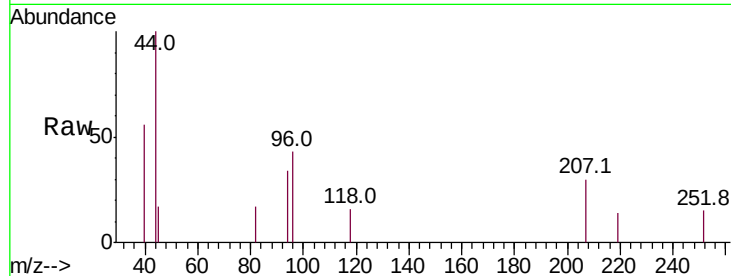
PAV-B23-100220-18-19

Tot Ion: 94 Resp: 619

Ion Ratio Lower Upper

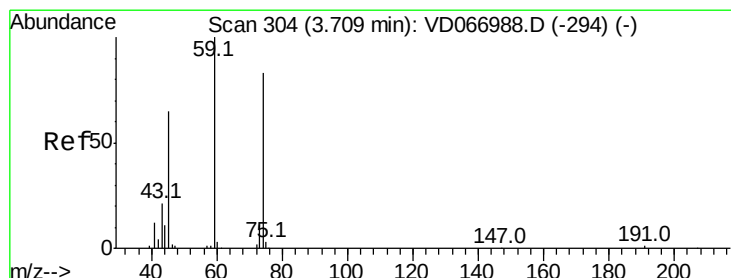
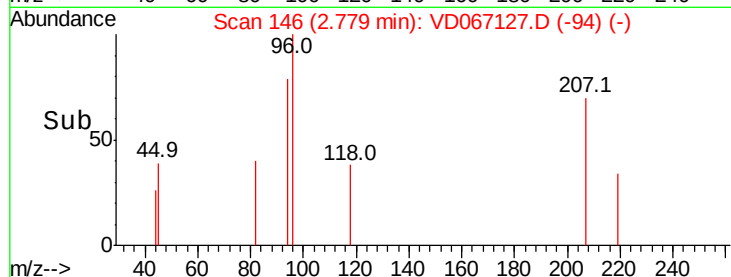
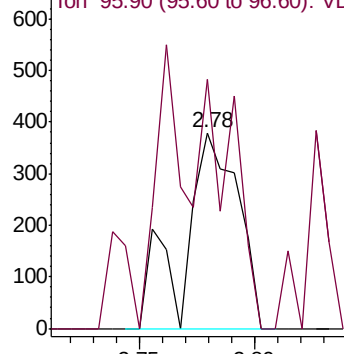
94 100

96 127.2 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#8

Diethyl Ether

Concen: 2.540 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD067127.D

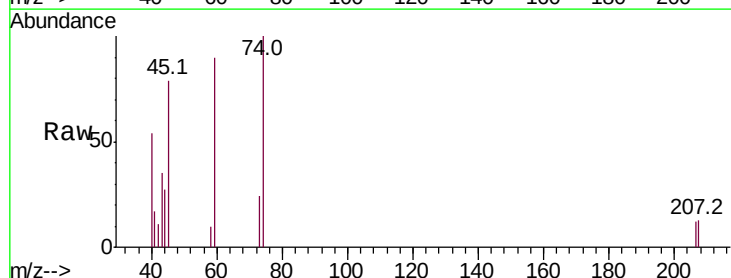
Acq: 07 Oct 2020 01:24

Tgt Ion: 74 Resp: 4608

Ion Ratio Lower Upper

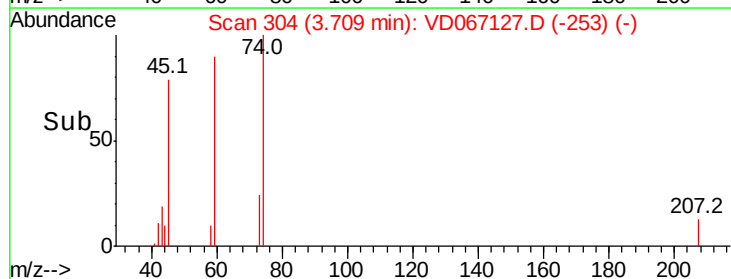
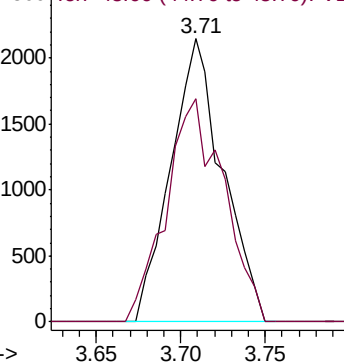
74 100

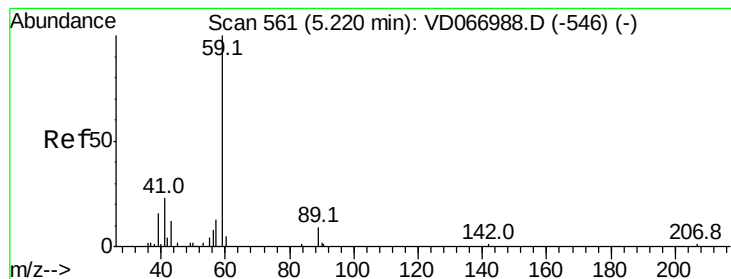
45 86.9 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



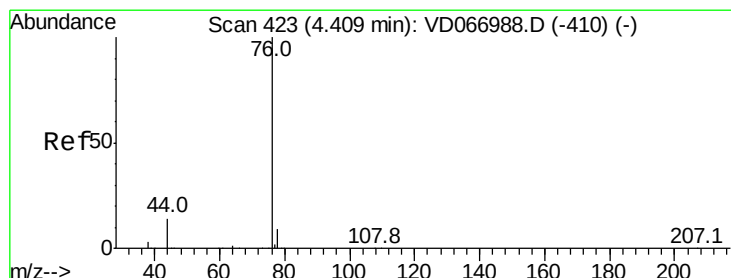
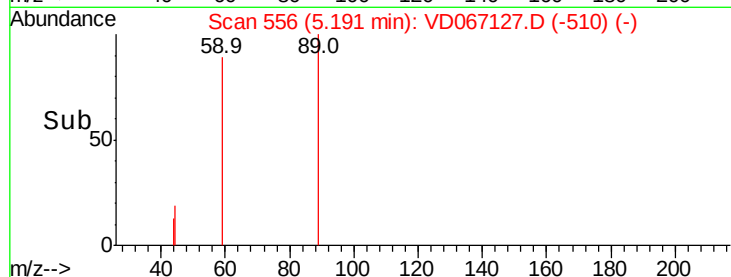
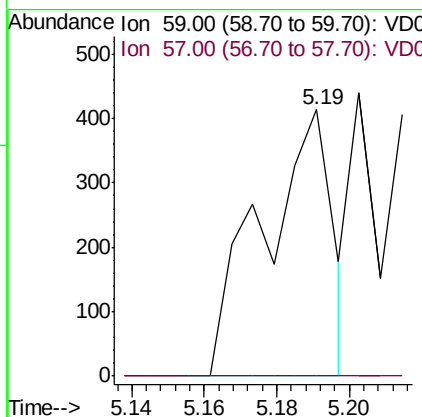
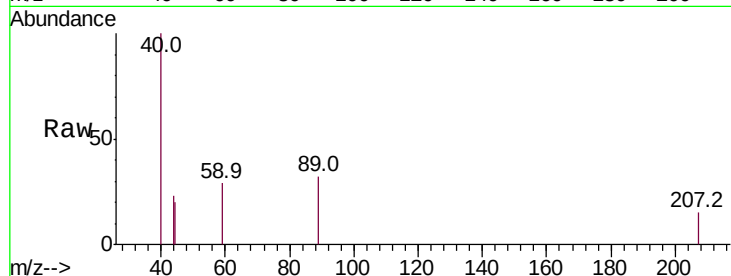


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.19 min Scan# 556
 Delta R.T. -0.03 min
 Lab File: VD067127.D
 Acq: 07 Oct 2020 01:24

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B23-100220-18-19

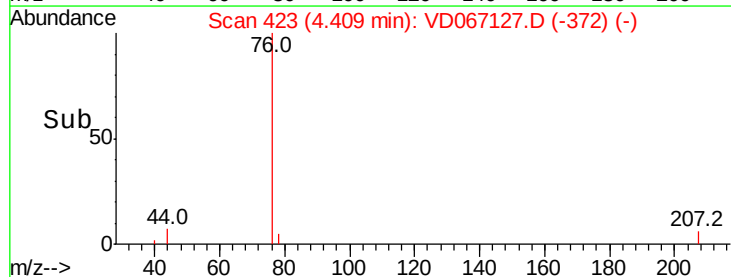
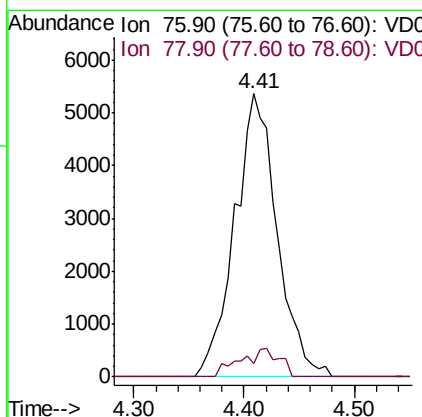
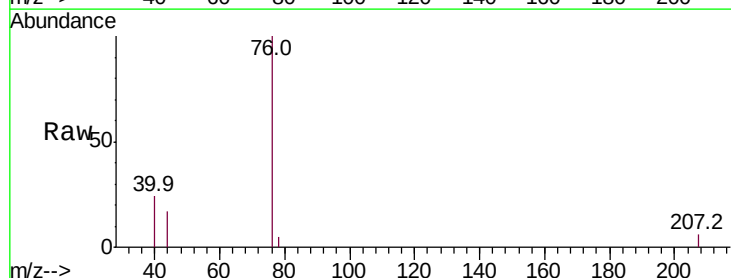
Tot Ion: 59 Resp: 551
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

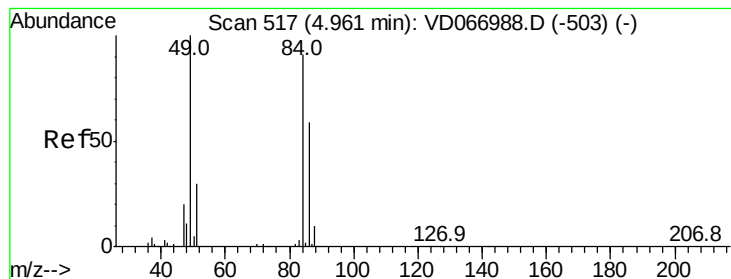


#17

Carbon Disulfide
 Concen: 1.208 ug/l
 RT: 4.41 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VD067127.D
 Acq: 07 Oct 2020 01:24

Tgt Ion: 76 Resp: 14407
 Ion Ratio Lower Upper
 76 100
 78 4.8 7.5 11.3#





#20

Methylene Chloride

Concen: 19.364 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067127.D

Acq: 07 Oct 2020 01:24

Instrument :

MSVOA_D

ClientSampleId :

PAV-B23-100220-18-19

Tot Ion: 84 Resp: 102488

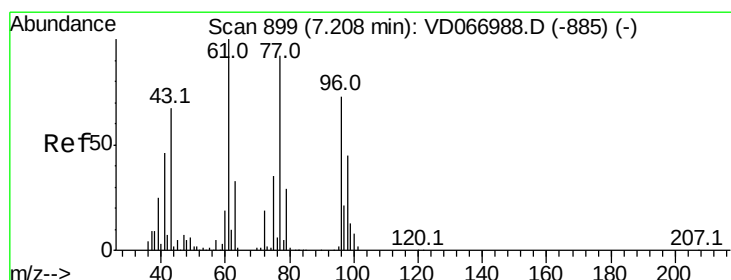
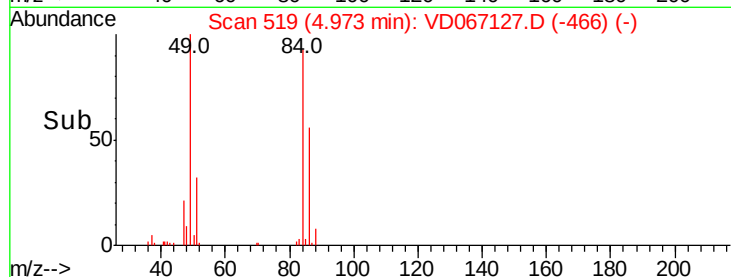
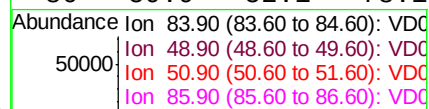
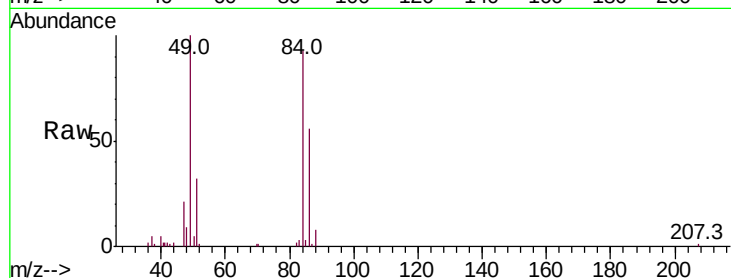
Ion Ratio Lower Upper

84 100

49 107.5 88.2 132.2

51 34.2 26.6 39.8

86 59.9 52.1 78.1



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD067127.D

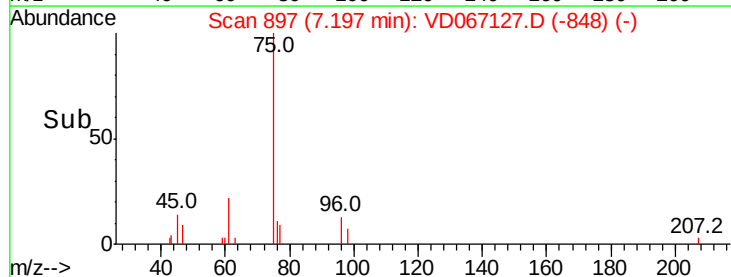
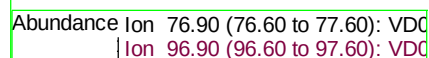
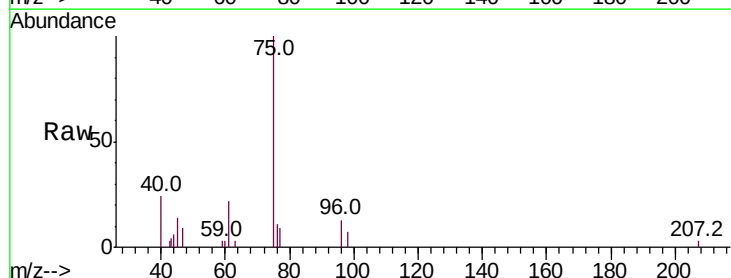
Acq: 07 Oct 2020 01:24

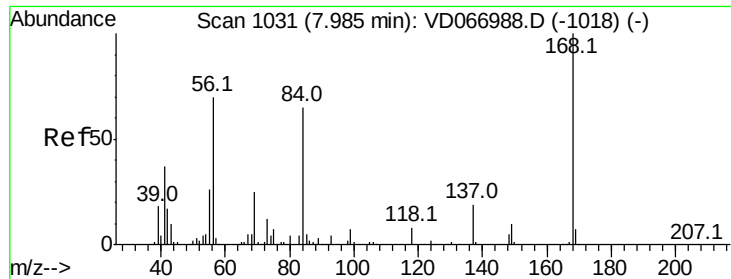
Tgt Ion: 77 Resp: 949

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#

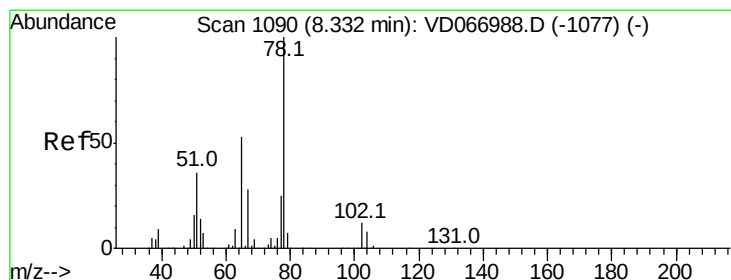
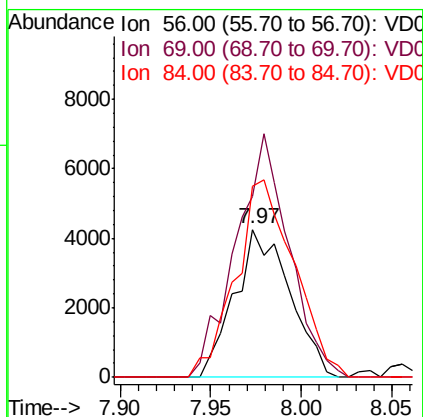
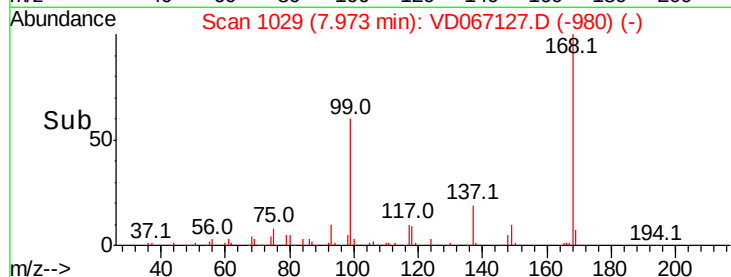
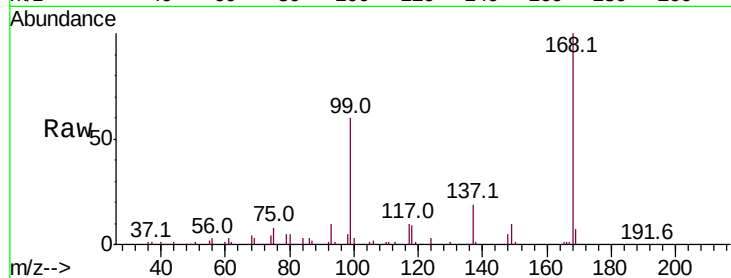




#31
Cyclohexane
Concen: 1.515 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD067127.D
Acq: 07 Oct 2020 01:24

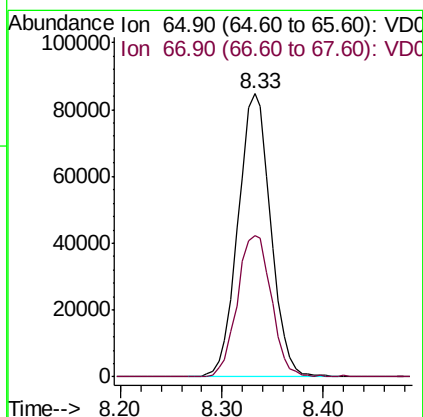
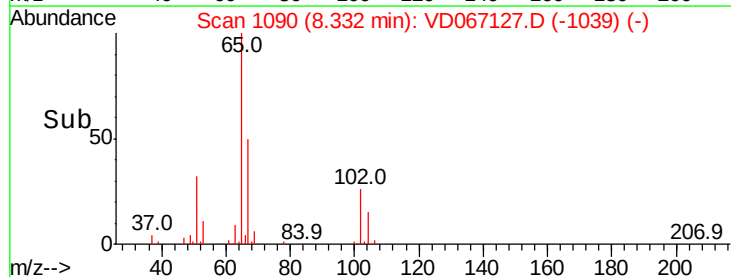
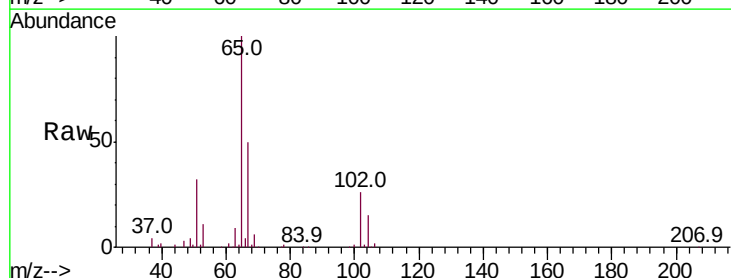
Instrument :
MSVOA_D
ClientSampleId :
PAV-B23-100220-18-19

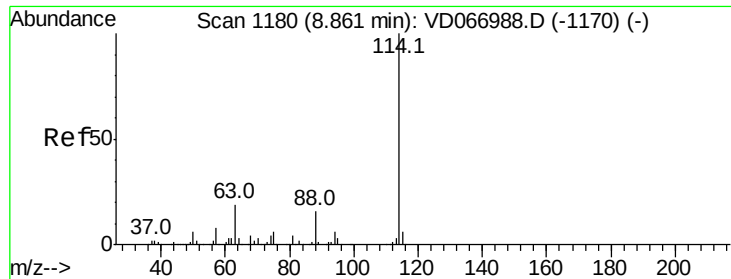
Tot Ion: 56 Resp: 9038
Ion Ratio Lower Upper
56 100
69 122.4 29.0 43.6#
84 129.0 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 47.783 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067127.D
Acq: 07 Oct 2020 01:24

Tgt Ion: 65 Resp: 189780
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.8

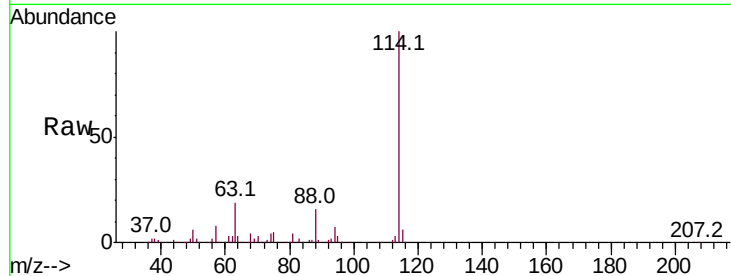




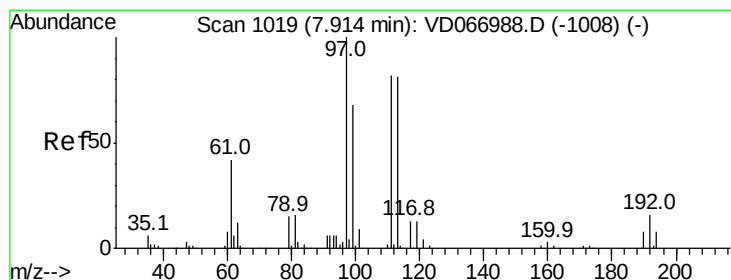
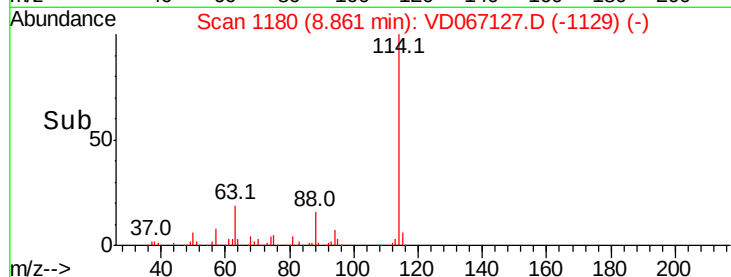
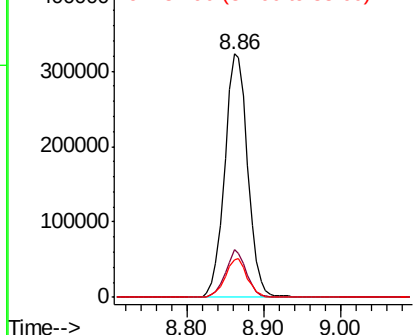
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067127.D
 Acq: 07 Oct 2020 01:24

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B23-100220-18-19

Tot Ion:114 Resp: 672404
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.4
 88 15.6 0.0 31.2

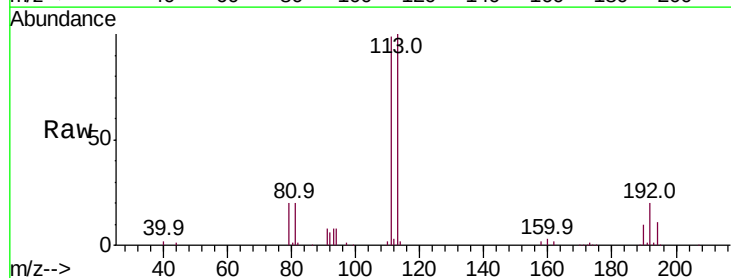


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

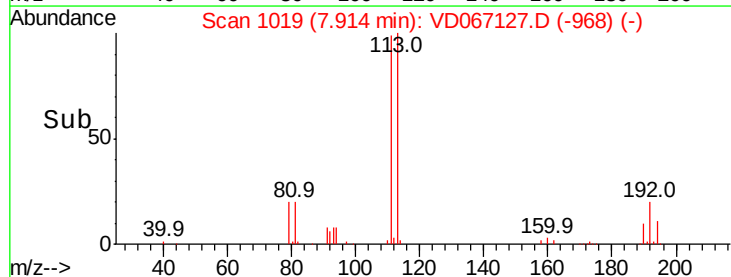
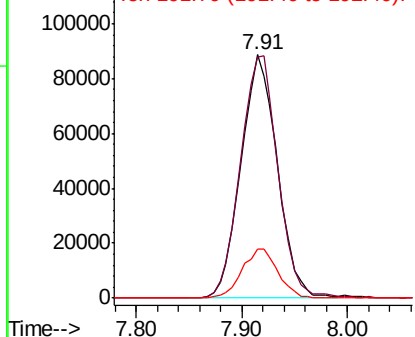


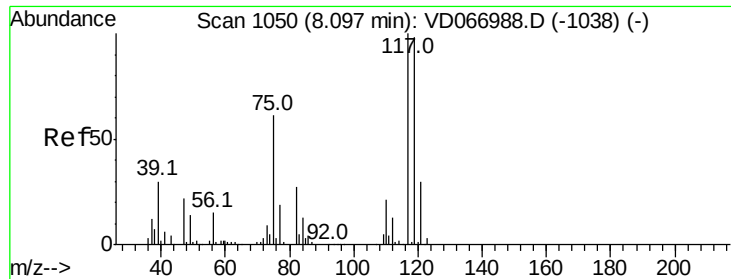
#35
 Dibromofluoromethane
 Concen: 48.085 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067127.D
 Acq: 07 Oct 2020 01:24

Tgt Ion:113 Resp: 211673
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.0 124.4
 192 19.8 15.5 23.3



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





#38

Carbon Tetrachloride

Concen: 6.206 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067127.D

Acq: 07 Oct 2020 01:24

Instrument :

MSVOA_D

ClientSampleId :

PAV-B23-100220-18-19

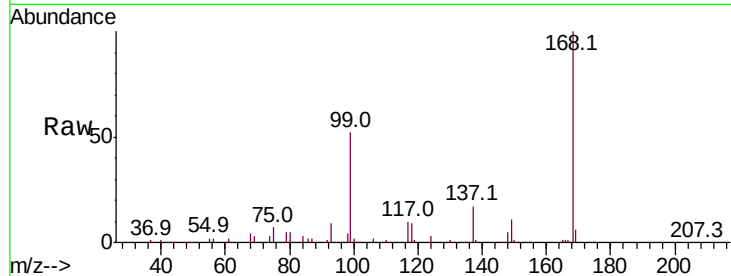
Tot Ion:117 Resp: 42084

Ion Ratio Lower Upper

117 100

119 5.2 78.7 118.1#

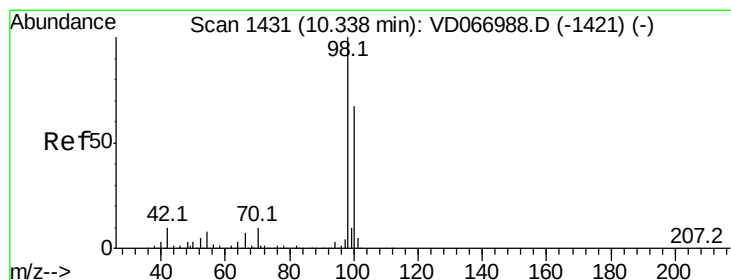
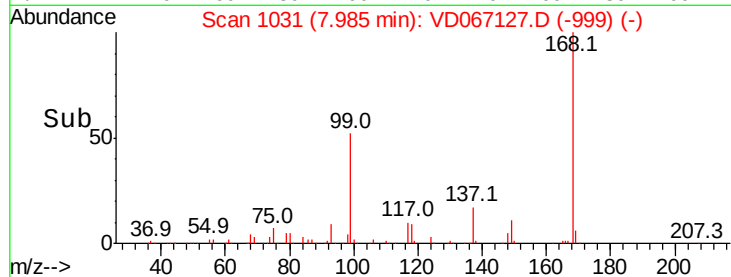
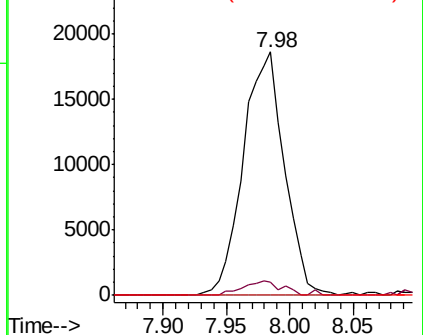
121 0.0 24.2 36.2#



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: 48.070 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067127.D

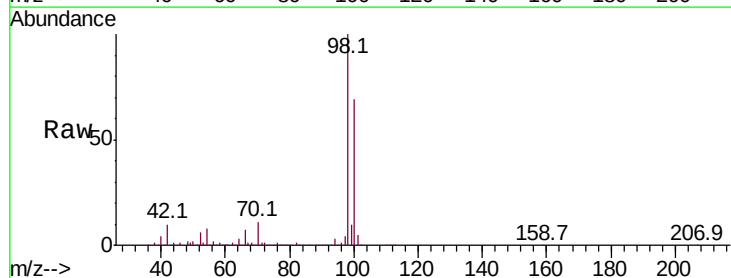
Acq: 07 Oct 2020 01:24

Tgt Ion: 98 Resp: 771080

Ion Ratio Lower Upper

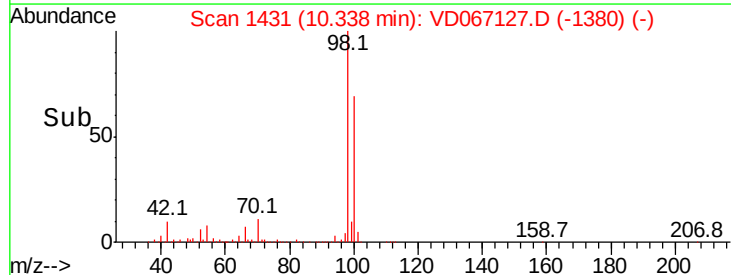
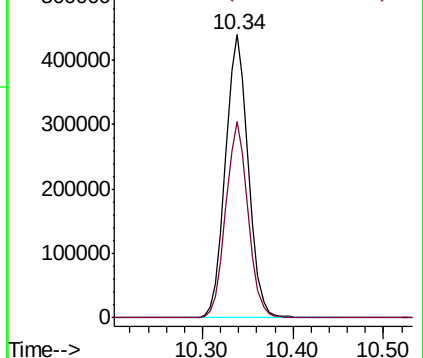
98 100

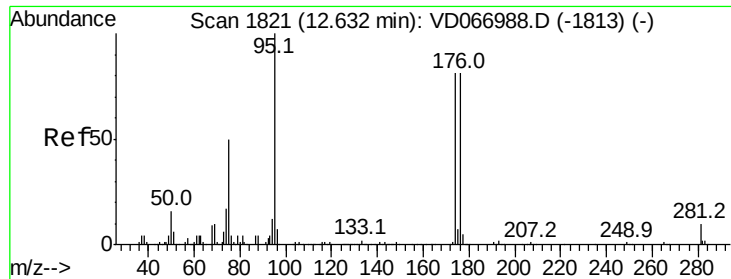
100 67.7 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

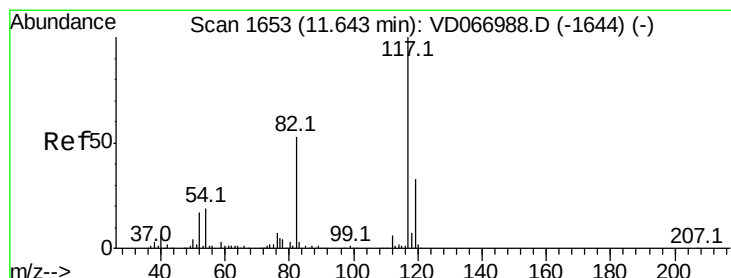
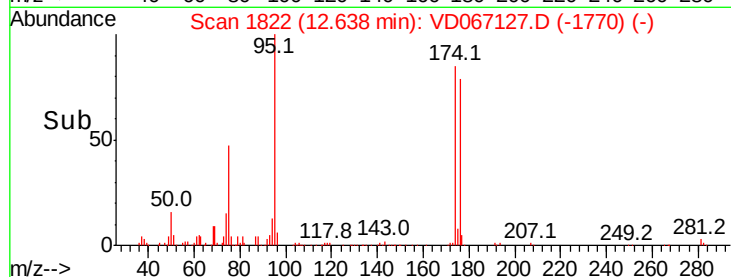
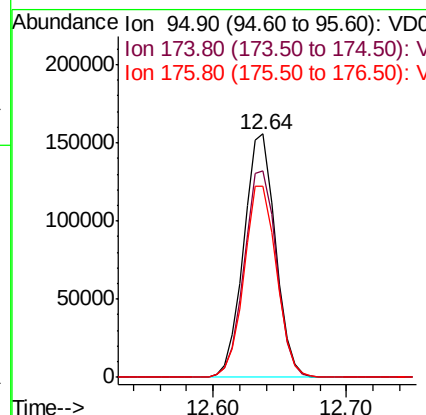
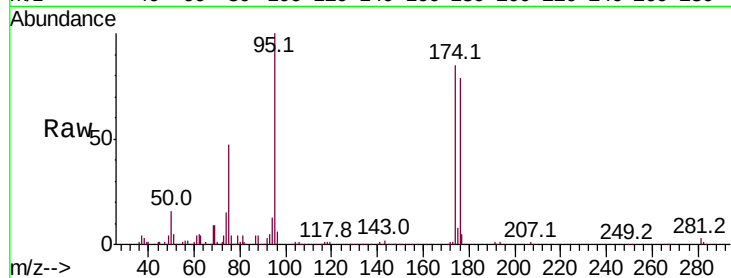




#62
4-Bromofluorobenzene
Concen: 46.876 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067127.D
Acq: 07 Oct 2020 01:24

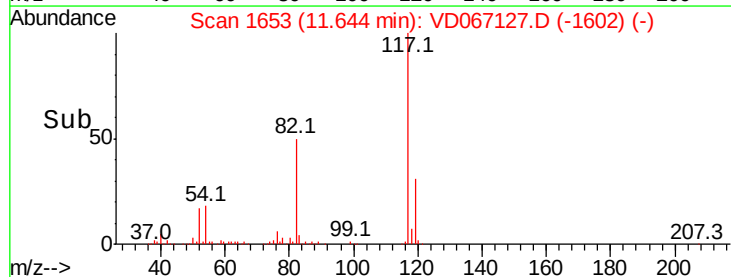
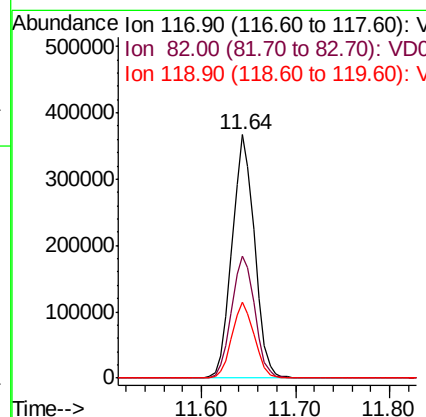
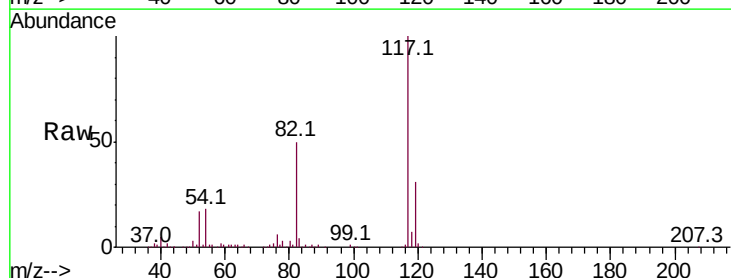
Instrument :
MSVOA_D
ClientSampleId :
PAV-B23-100220-18-19

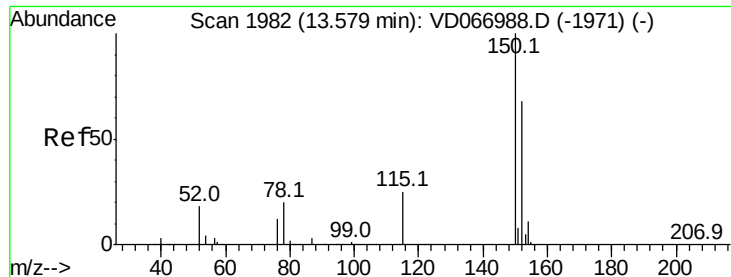
Tot Ion: 95 Resp: 255262
Ion Ratio Lower Upper
95 100
174 86.4 0.0 167.6
176 80.5 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067127.D
Acq: 07 Oct 2020 01:24

Tgt Ion: 117 Resp: 609036
Ion Ratio Lower Upper
117 100
82 50.1 42.6 63.8
119 31.3 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067127.D

Acq: 07 Oct 2020 01:24

Instrument :

MSVOA_D

ClientSampleId :

PAV-B23-100220-18-19

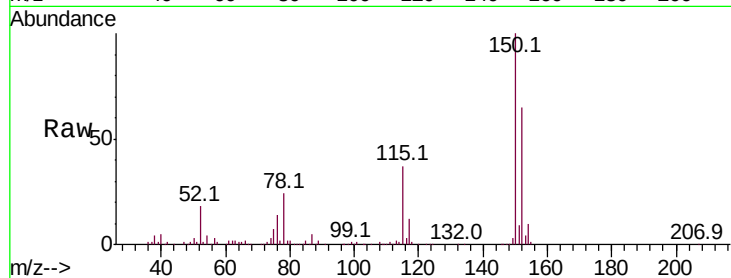
Tot Ion:152 Resp: 285132

Ion Ratio Lower Upper

152 100

115 58.6 29.6 88.8

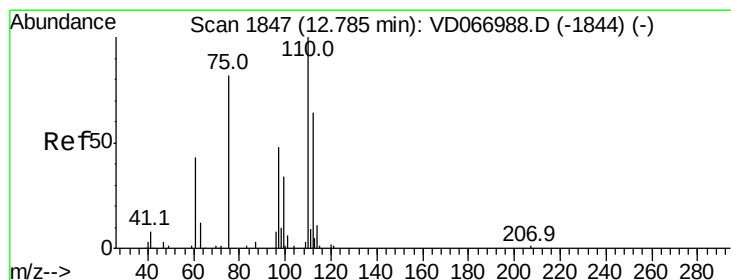
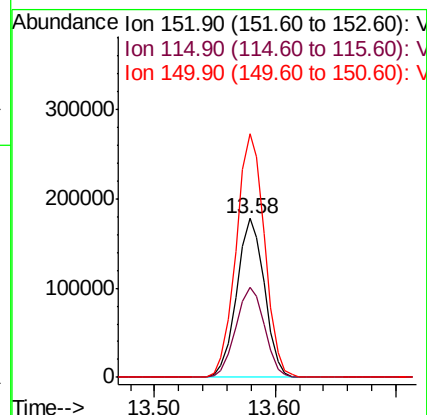
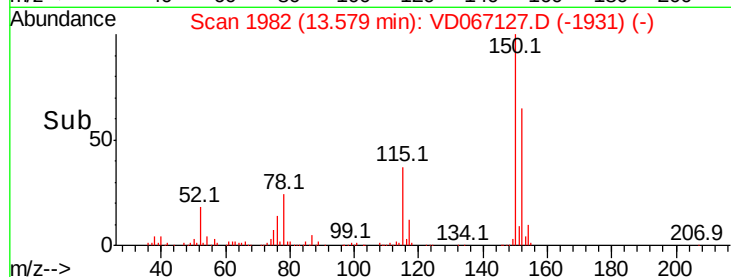
150 156.4 0.0 344.8



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: 51.154 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067127.D

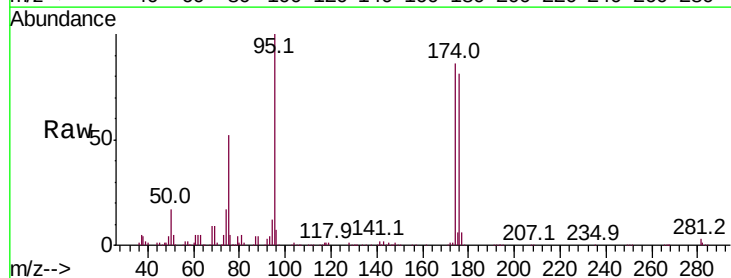
Acq: 07 Oct 2020 01:24

Tgt Ion: 75 Resp: 127047

Ion Ratio Lower Upper

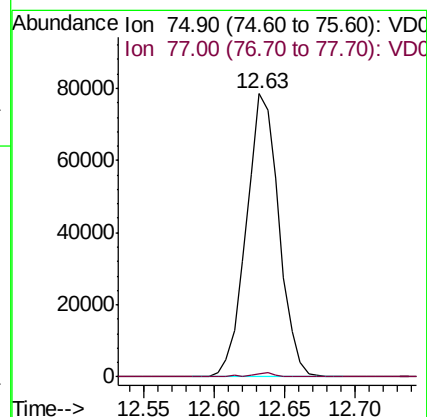
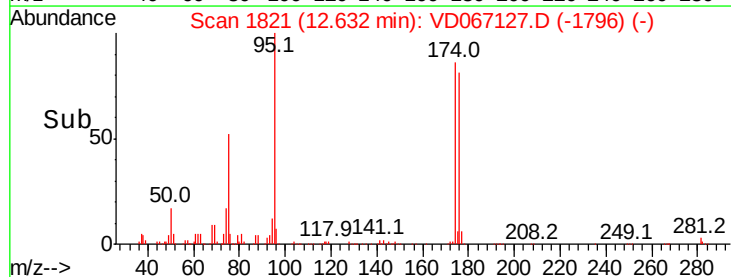
75 100

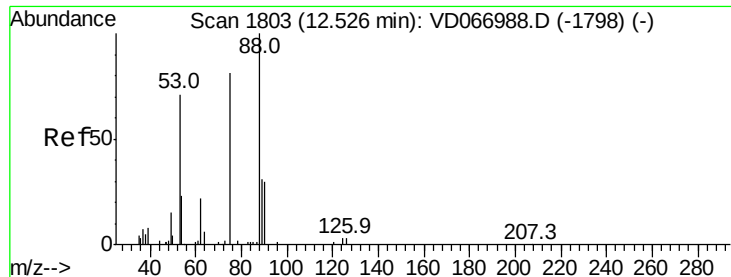
77 1.2 0.0 0.0#



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: 127.535 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067127.D

Acq: 07 Oct 2020 01:24

Instrument :

MSVOA_D

ClientSampleId :

PAV-B23-100220-18-19

Tot Ion: 75 Resp: 127047

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.3 38.9 58.3#

