

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100520\
 Data File : VD067086.D
 Acq On : 05 Oct 2020 16:24
 Operator : VA/SY
 Sample : L4190-15
 Misc : 3.20G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B18-092920-19-20

Quant Time: Oct 06 07:18:56 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	501547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	856373	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	784398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	355686	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	258083	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	
35) Dibromofluoromethane	7.91	113	274523	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
50) Toluene-d8	10.34	98	997444	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
62) 4-Bromofluorobenzene	12.64	95	336121	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	

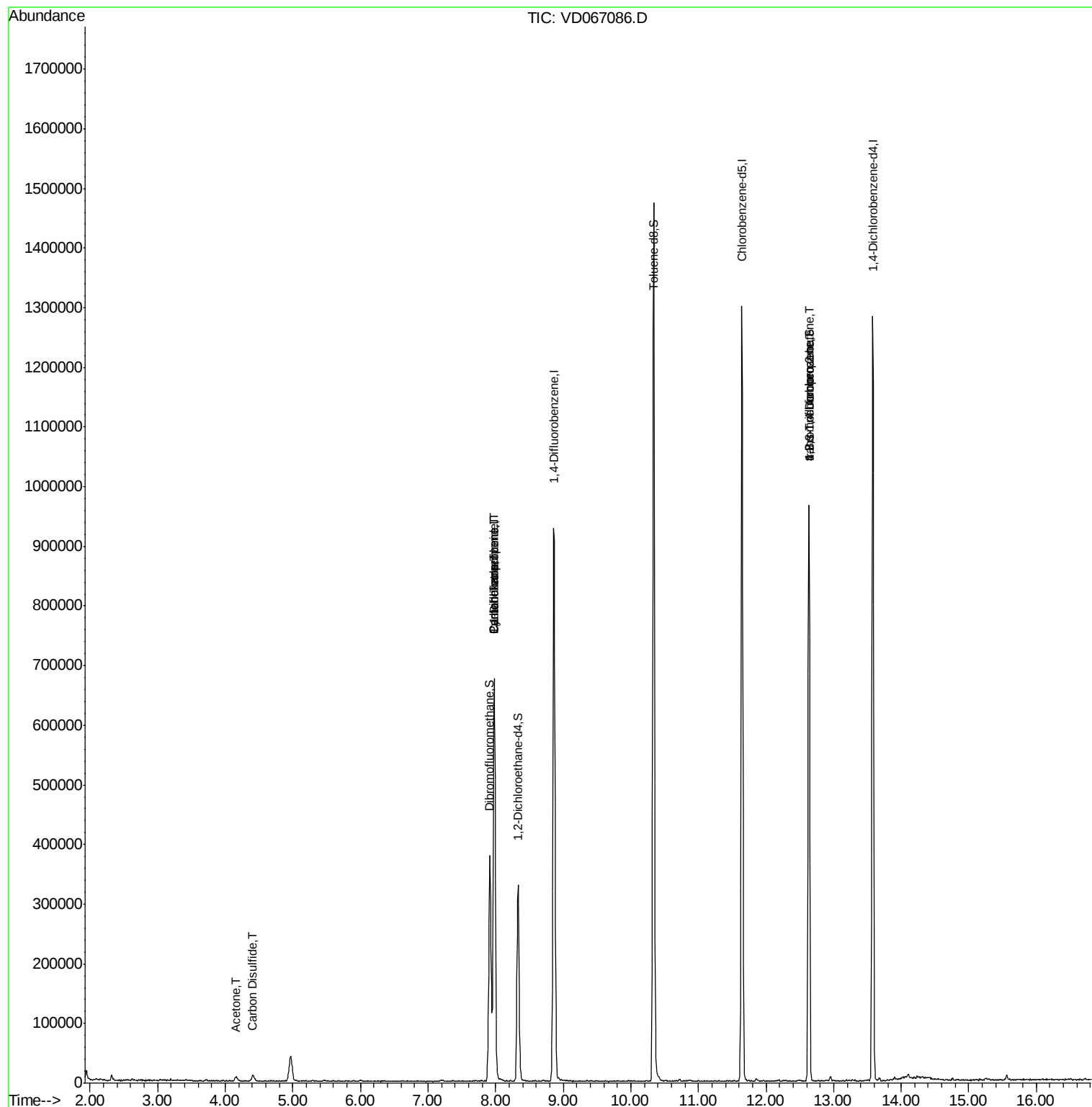
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	815	Below Cal		76
5) Bromomethane	2.77	94	138	Below Cal	#	70
16) Acetone	4.16	43	13715	18.598	ug/l	99
17) Carbon Disulfide	4.41	76	21196	1.461	ug/l #	91
20) Methylene Chloride	4.97	84	35629	Below Cal		97
26) 2,2-Dichloropropane	7.21	77	275	Below Cal	#	53
31) Cyclohexane	7.97	56	9795	1.350	ug/l #	34
36) 1,1-Dichloropropene	7.98	75	36100	4.522	ug/l #	50
38) Carbon Tetrachloride	7.98	117	51501	5.963	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	163294	52.707	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	163294	131.405	ug/l #	12

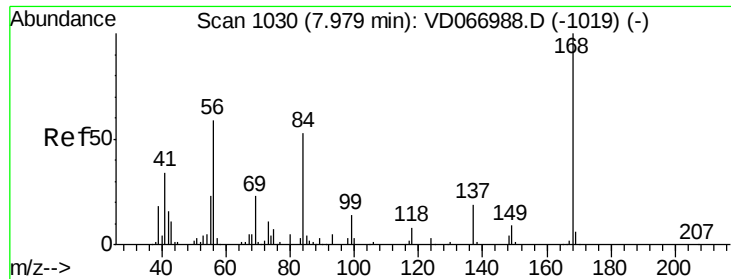
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100520\
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PAV-B18-092920-19-20

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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: VD067086.D

Acq: 05 Oct 2020 16:24

Instrument :

MSVOA_D

ClientSampleId :

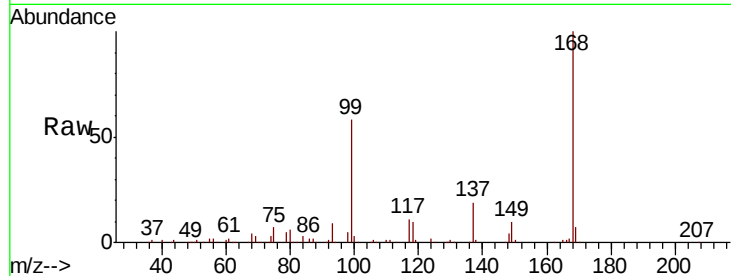
PAV-B18-092920-19-20

Tot Ion:168 Resp: 501547

Ion Ratio Lower Upper

168 100

99 58.0 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

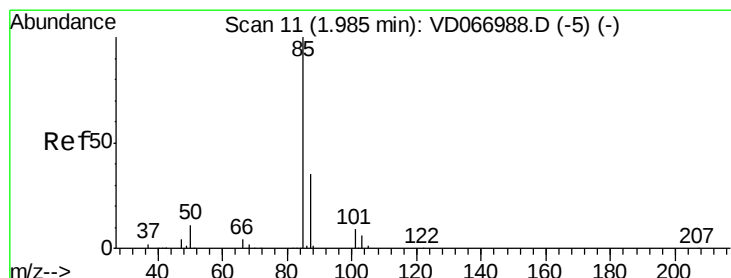
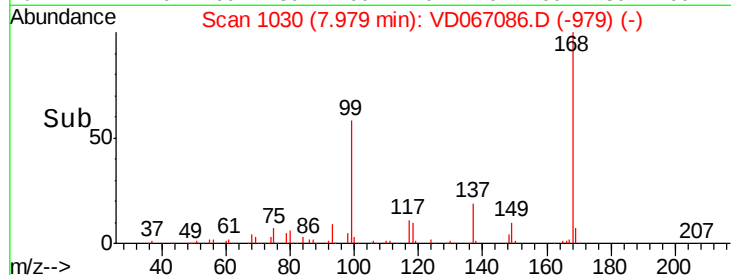
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067086.D

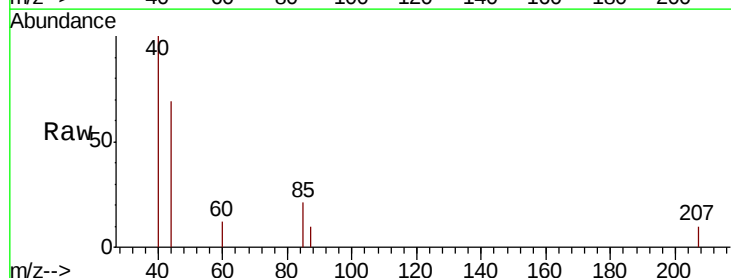
Acq: 05 Oct 2020 16:24

Tgt Ion: 85 Resp: 815

Ion Ratio Lower Upper

85 100

87 48.7 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

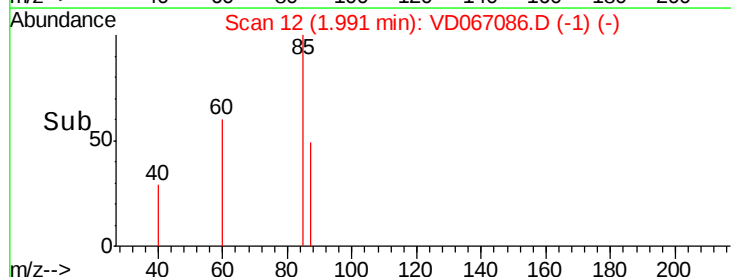
600

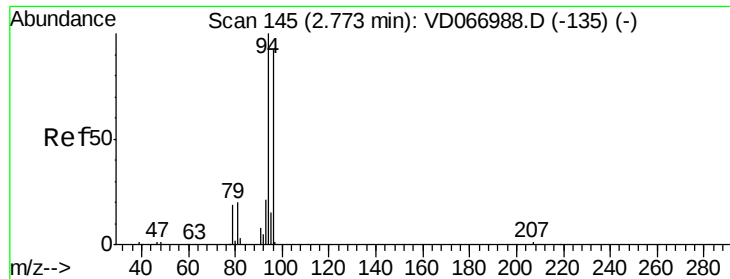
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067086.D

Acq: 05 Oct 2020 16:24

Instrument :

MSVOA_D

ClientSampleId :

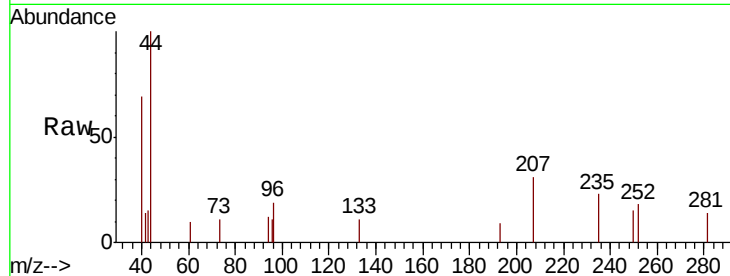
PAV-B18-092920-19-20

Tot Ion: 94 Resp: 138

Ion Ratio Lower Upper

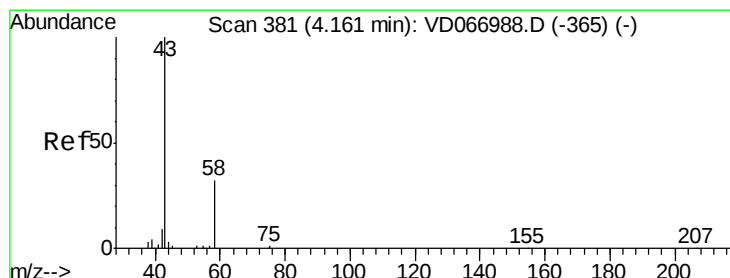
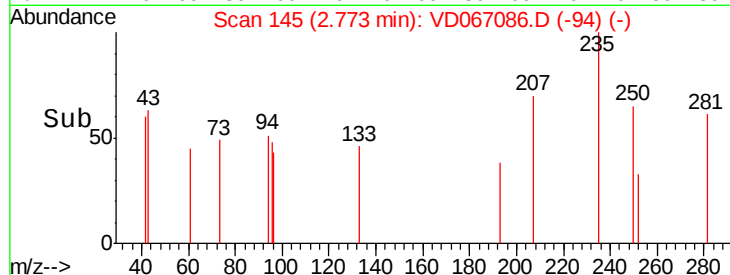
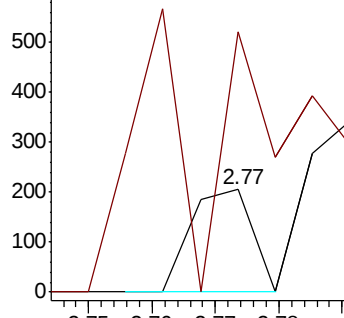
94 100

96 122.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#16

Acetone

Concen: 18.598 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067086.D

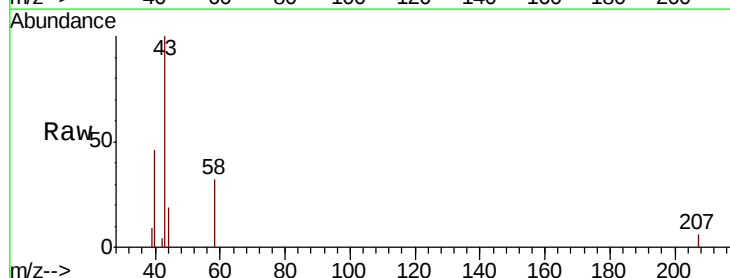
Acq: 05 Oct 2020 16:24

Tgt Ion: 43 Resp: 13715

Ion Ratio Lower Upper

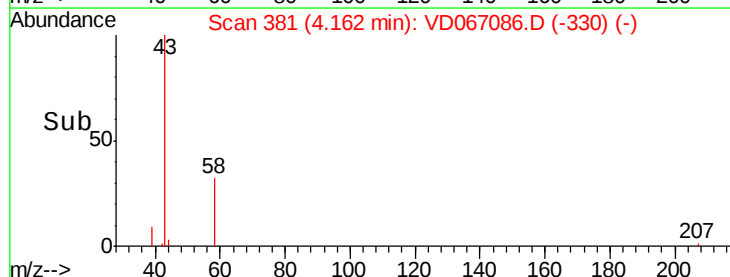
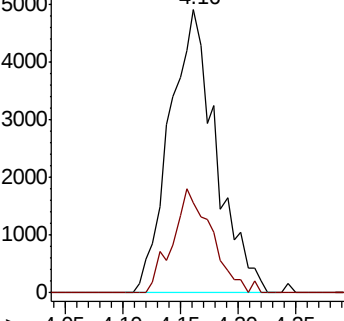
43 100

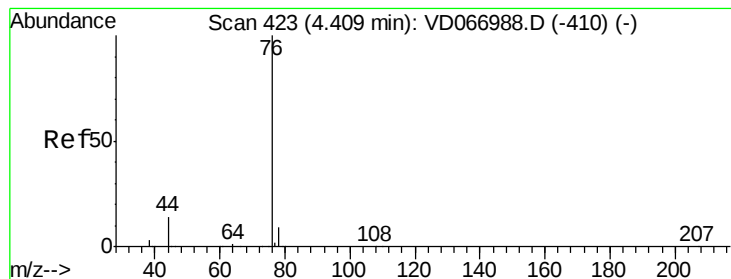
58 31.7 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 1.461 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067086.D

Acq: 05 Oct 2020 16:24

Instrument :

MSVOA_D

ClientSampleId :

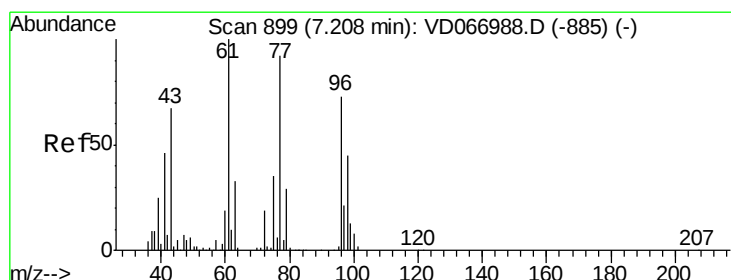
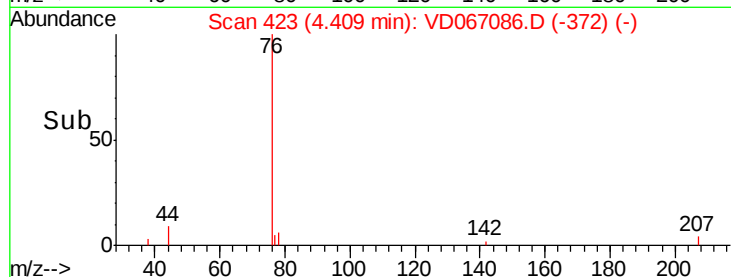
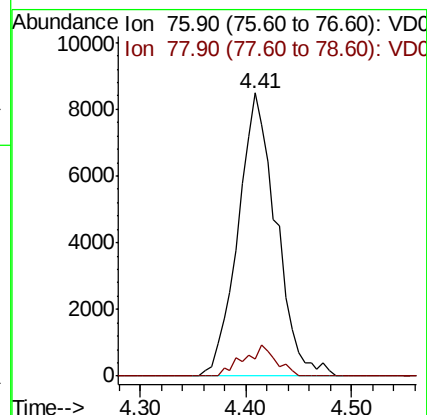
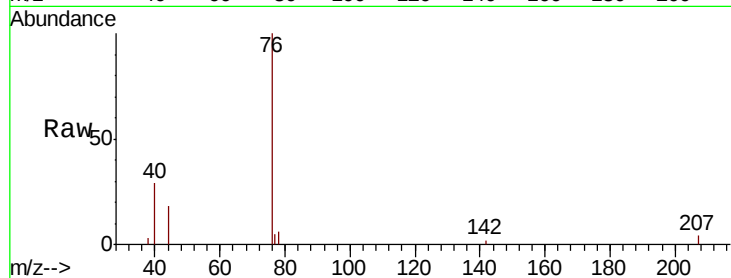
PAV-B18-092920-19-20

Tot Ion: 76 Resp: 21196

Ion Ratio Lower Upper

76 100

78 6.0 7.5 11.3#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067086.D

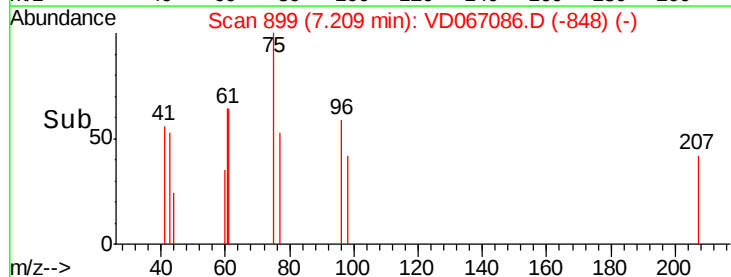
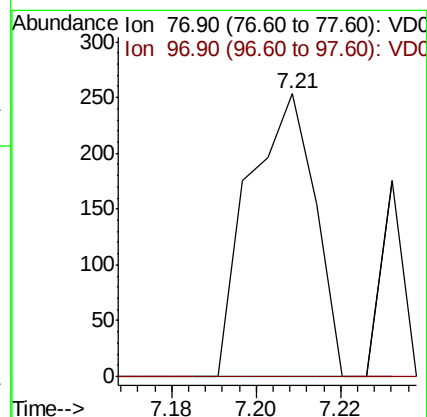
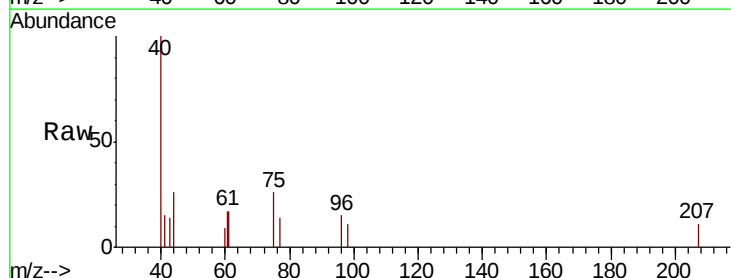
Acq: 05 Oct 2020 16:24

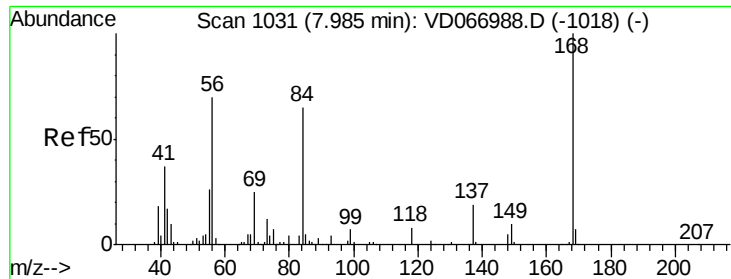
Tgt Ion: 77 Resp: 275

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#

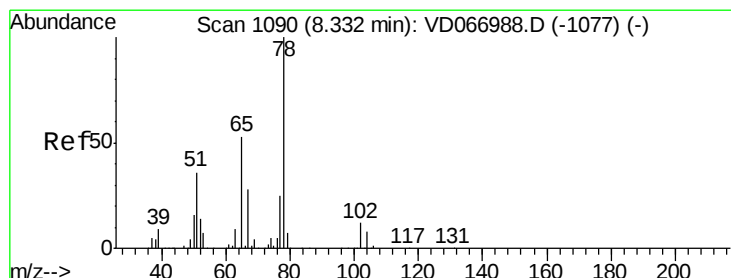
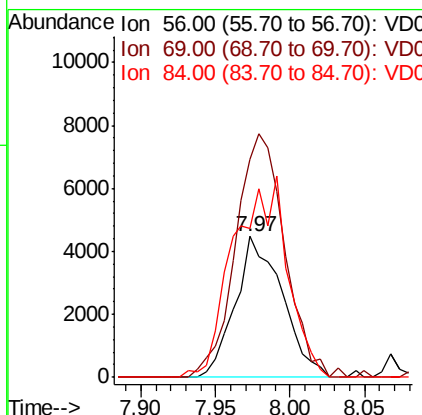
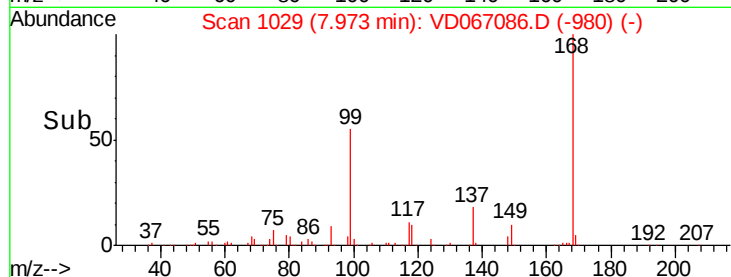
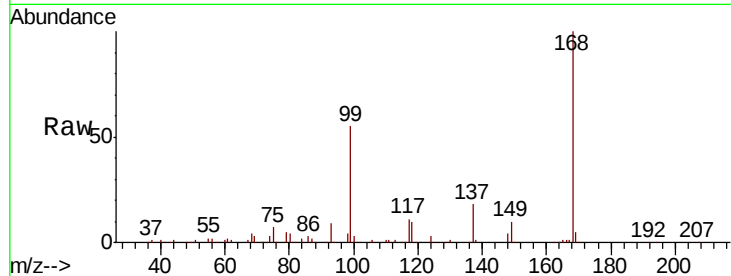




#31
Cyclohexane
Concen: 1.350 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD067086.D
Acq: 05 Oct 2020 16:24

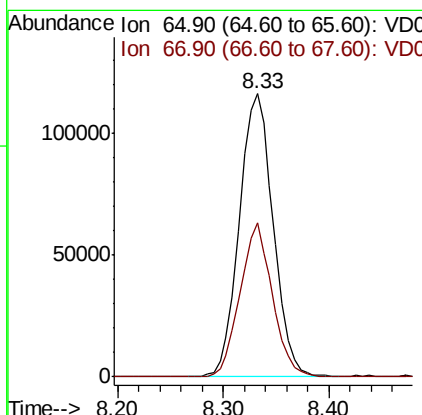
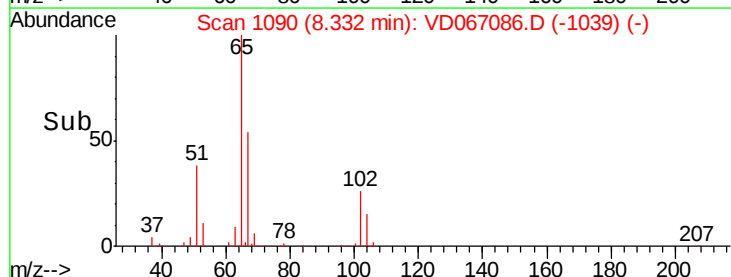
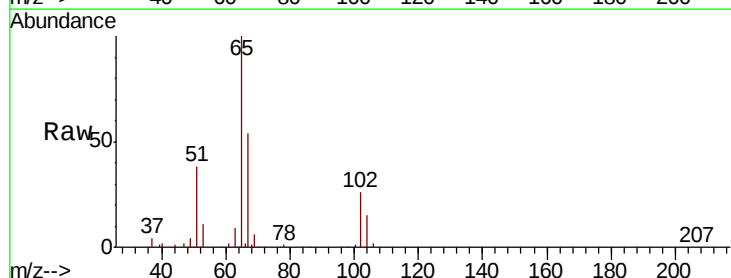
Instrument :
MSVOA_D
ClientSampleId :
PAV-B18-092920-19-20

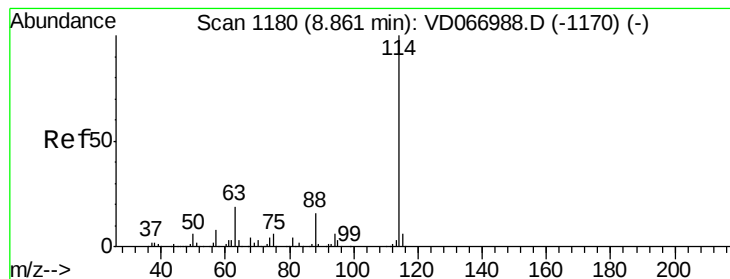
Tot Ion: 56 Resp: 9795
Ion Ratio Lower Upper
56 100
69 154.9 29.0 43.6#
84 105.9 74.2 111.2



#33
1,2-Dichloroethane-d4
Concen: 53.424 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067086.D
Acq: 05 Oct 2020 16:24

Tgt Ion: 65 Resp: 258083
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067086.D

Acq: 05 Oct 2020 16:24

Instrument :

MSVOA_D

ClientSampleId :

PAV-B18-092920-19-20

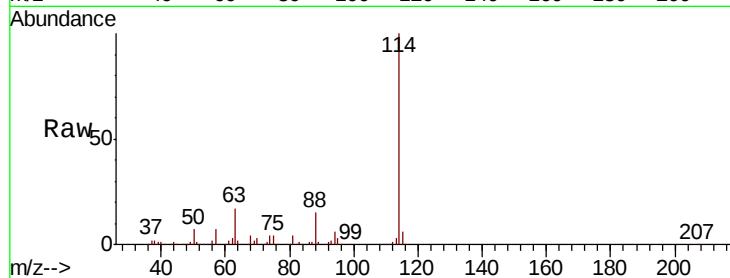
Tot Ion:114 Resp: 856373

Ion Ratio Lower Upper

114 100

63 17.4 0.0 38.4

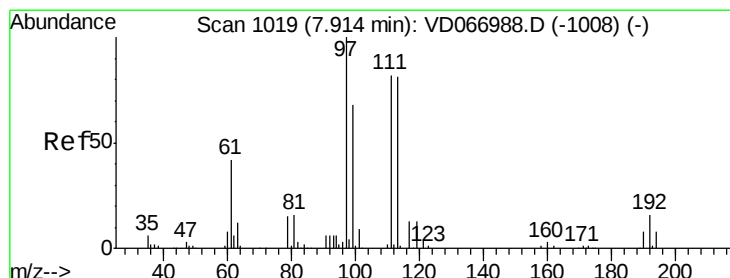
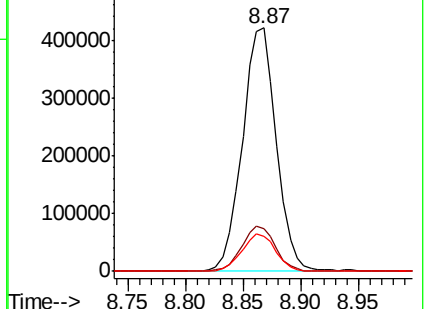
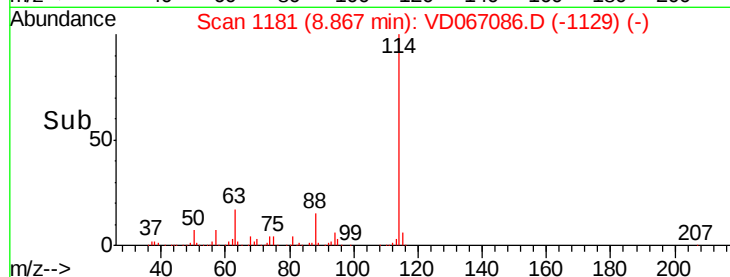
88 14.6 0.0 31.2



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: 48.965 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067086.D

Acq: 05 Oct 2020 16:24

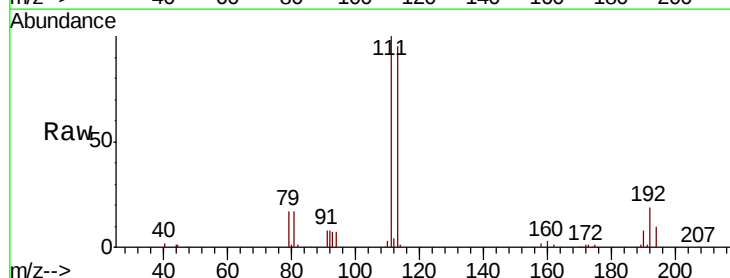
Tgt Ion:113 Resp: 274523

Ion Ratio Lower Upper

113 100

111 102.4 83.0 124.4

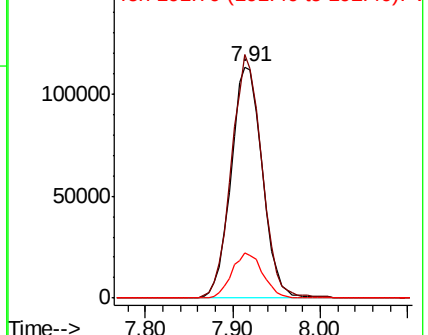
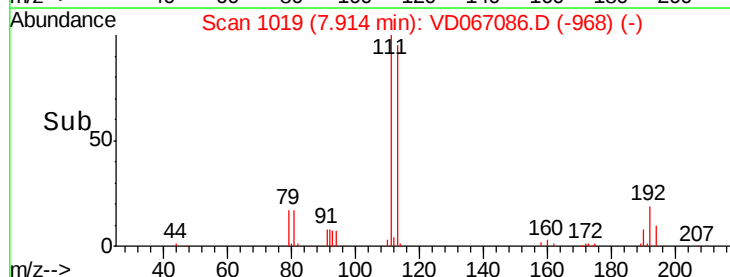
192 19.4 15.5 23.3

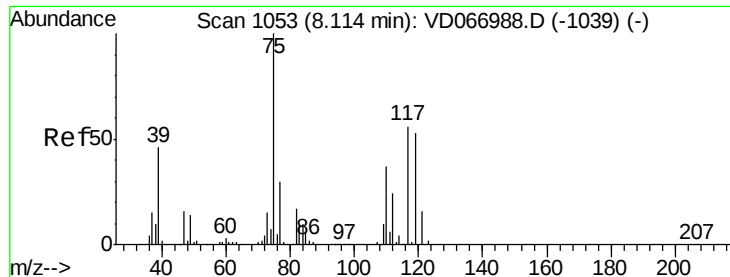


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

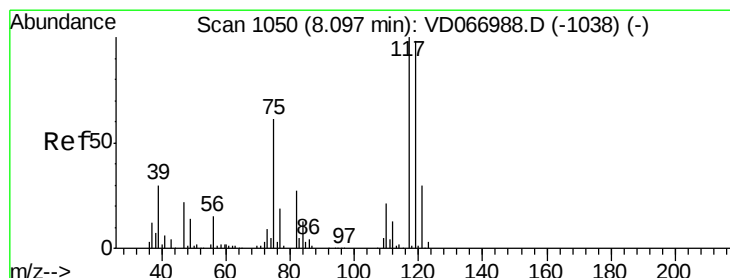
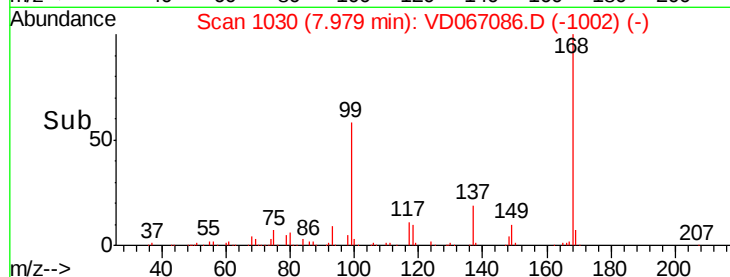
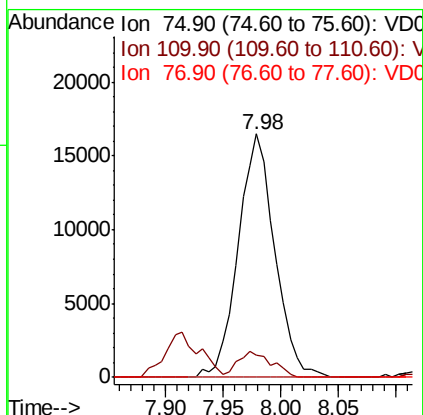
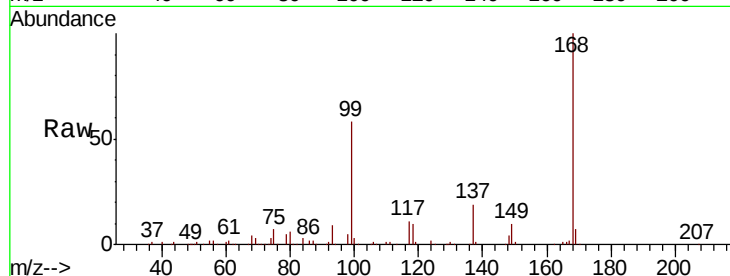




#36
 1,1-Dichloropropene
 Concen: 4.522 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067086.D
 Acq: 05 Oct 2020 16:24

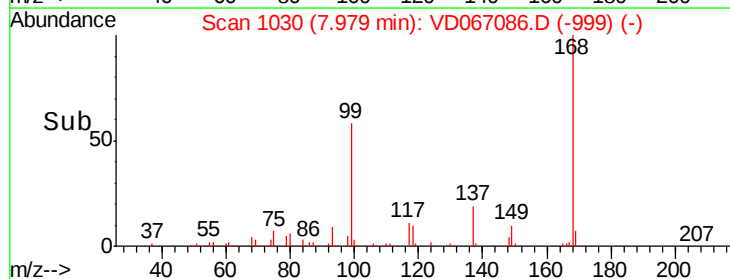
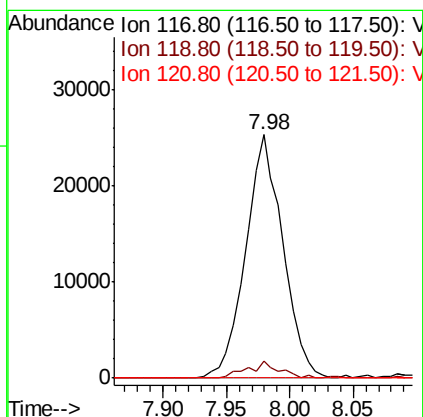
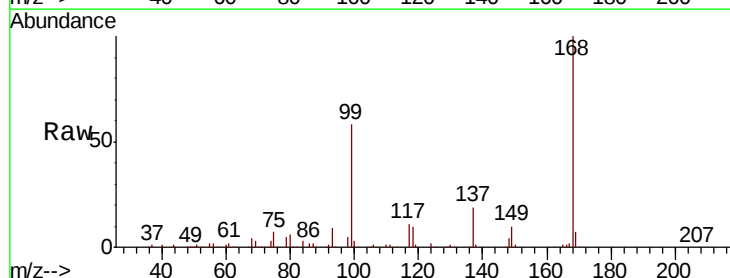
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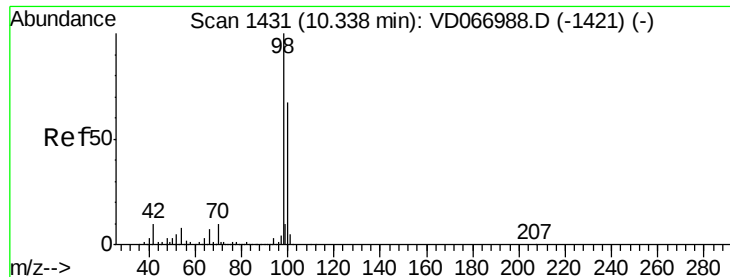
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.4	55.0#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.963 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD067086.D
 Acq: 05 Oct 2020 16:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.1	78.7	118.1#
121	0.0	24.2	36.2#





#50

Toluene-d8

Concen: 48.824 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067086.D

Acq: 05 Oct 2020 16:24

Instrument :

MSVOA_D

ClientSampleId :

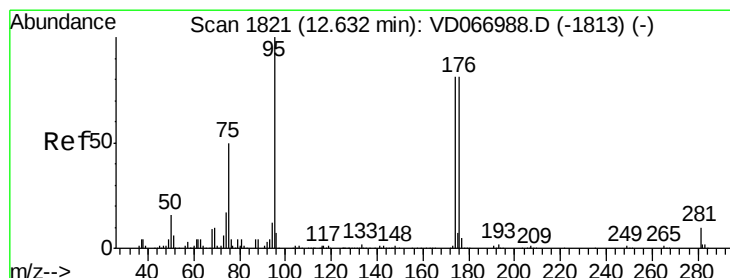
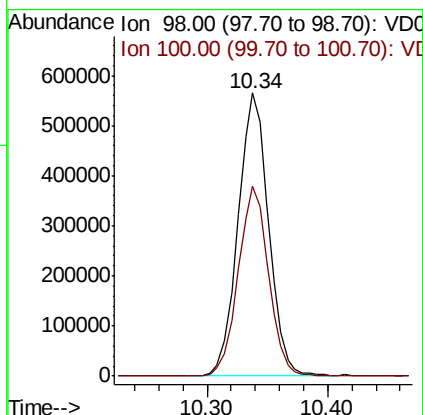
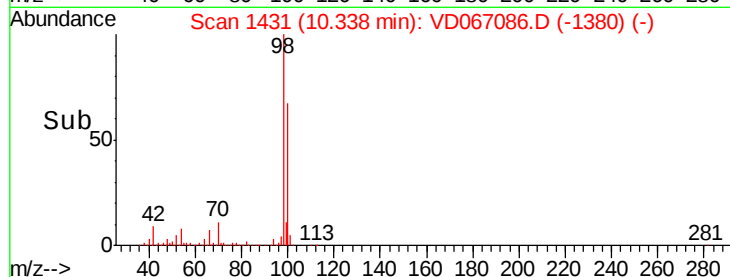
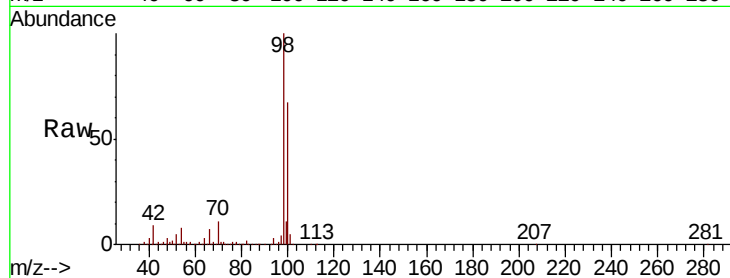
PAV-B18-092920-19-20

Tot Ion: 98 Resp: 997444

Ion Ratio Lower Upper

98 100

100 66.7 52.8 79.2



#62

4-Bromofluorobenzene

Concen: 48.465 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067086.D

Acq: 05 Oct 2020 16:24

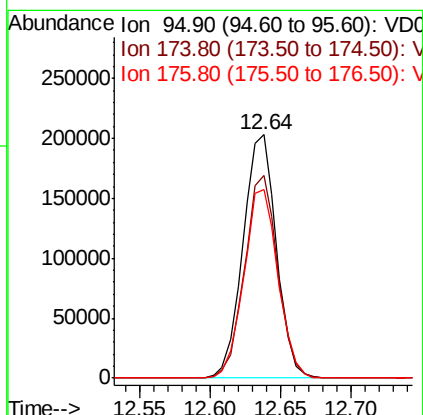
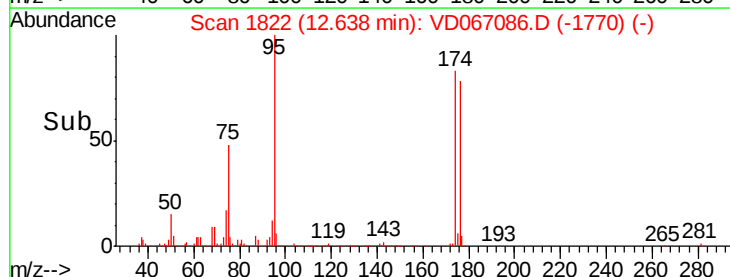
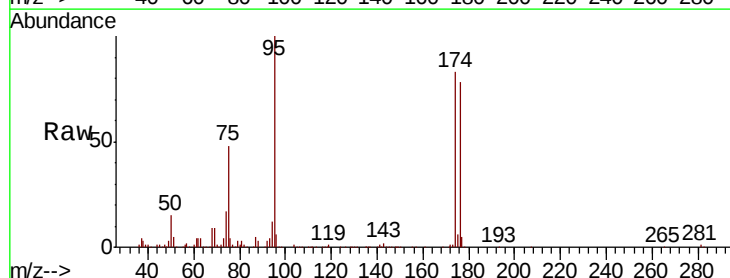
Tgt Ion: 95 Resp: 336121

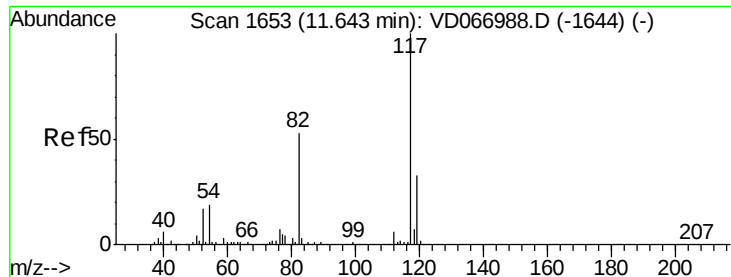
Ion Ratio Lower Upper

95 100

174 82.7 0.0 167.6

176 79.4 0.0 162.4

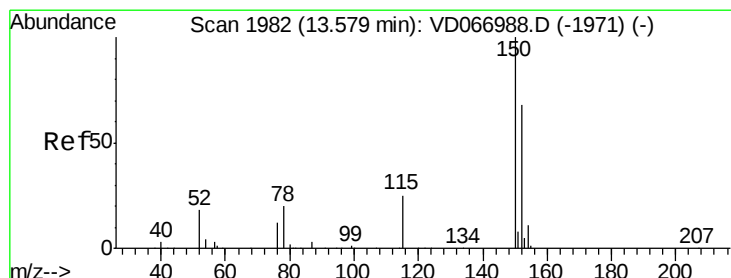
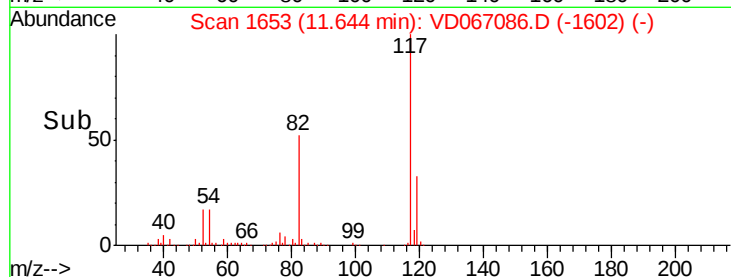
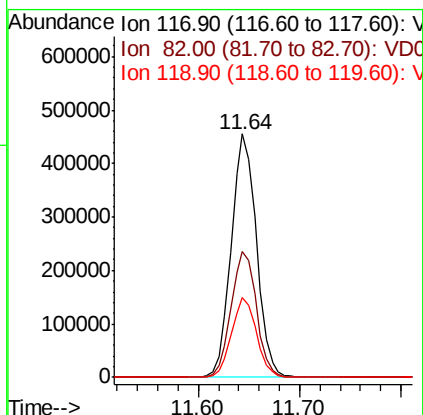
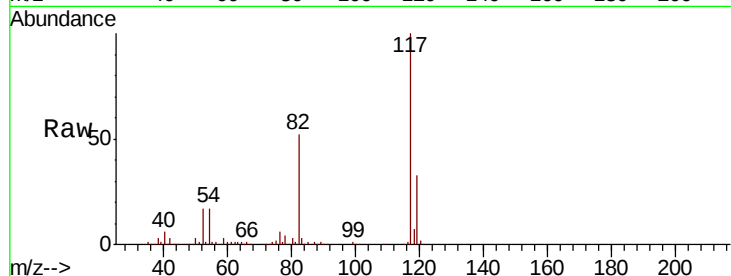




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067086.D
Acq: 05 Oct 2020 16:24

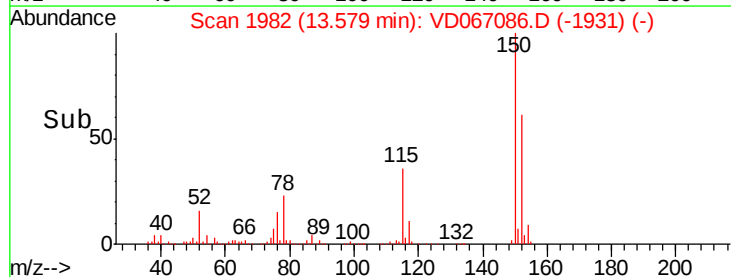
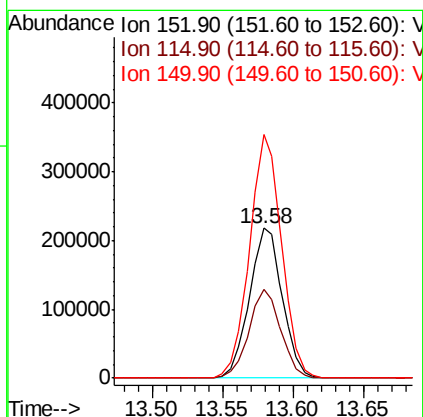
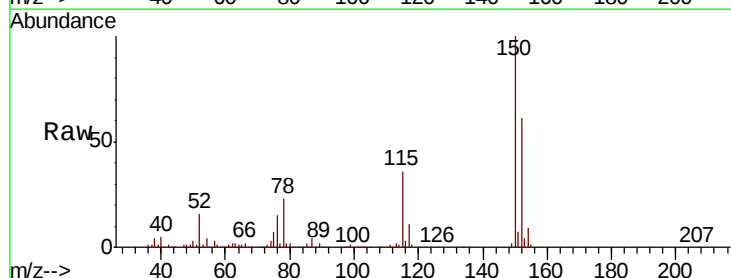
Instrument :
MSVOA_D
ClientSampleId :
PAV-B18-092920-19-20

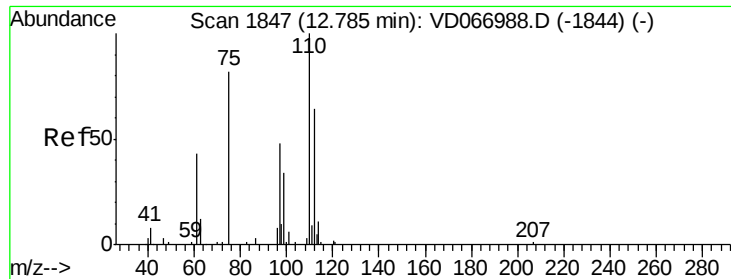
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.6	63.8
119	32.8	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067086.D
Acq: 05 Oct 2020 16:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	29.6	88.8
150	158.3	0.0	344.8





#76

1,2,3-Trichloropropane

Concen: 52.707 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067086.D

Acq: 05 Oct 2020 16:24

Instrument :

MSVOA_D

ClientSampleId :

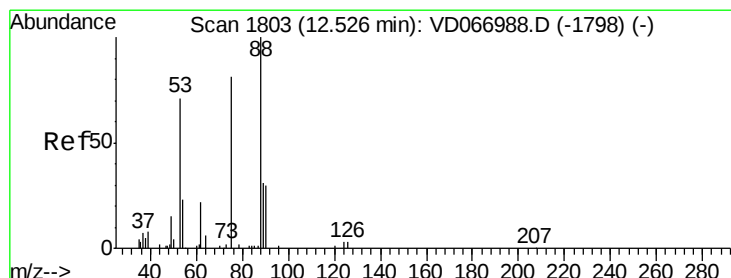
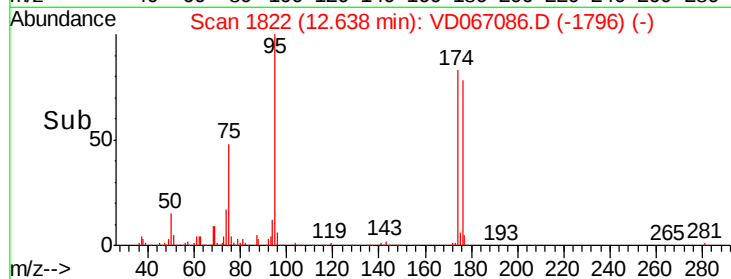
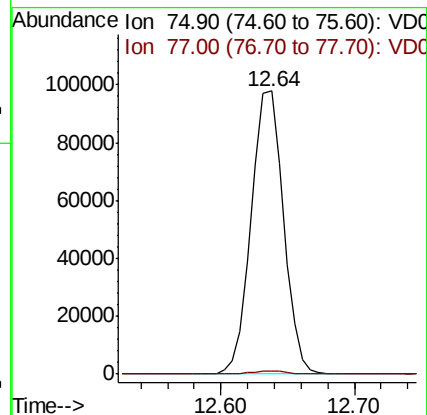
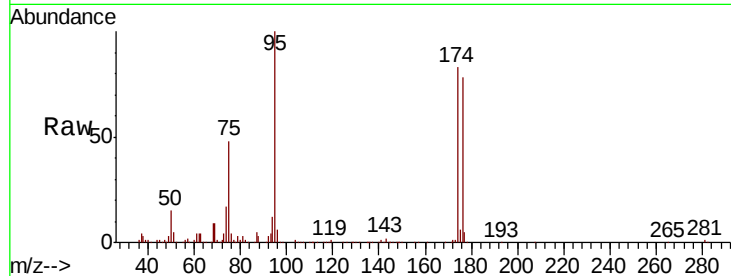
PAV-B18-092920-19-20

Tot Ion: 75 Resp: 163294

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 131.405 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067086.D

Acq: 05 Oct 2020 16:24

Tgt Ion: 75 Resp: 163294

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.1 38.9 58.3#

