

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100520\
 Data File : VD067093.D
 Acq On : 05 Oct 2020 19:37
 Operator : VA/SY
 Sample : L4260-01
 Misc : 5.95G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B21-100220-0-1

Quant Time: Oct 06 07:20:24 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	457937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	764540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	705479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	328969	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	223958	50.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.54%	
35) Dibromofluoromethane	7.92	113	246980	49.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.68%	
50) Toluene-d8	10.34	98	910663	49.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.64	95	306435	49.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.98%	

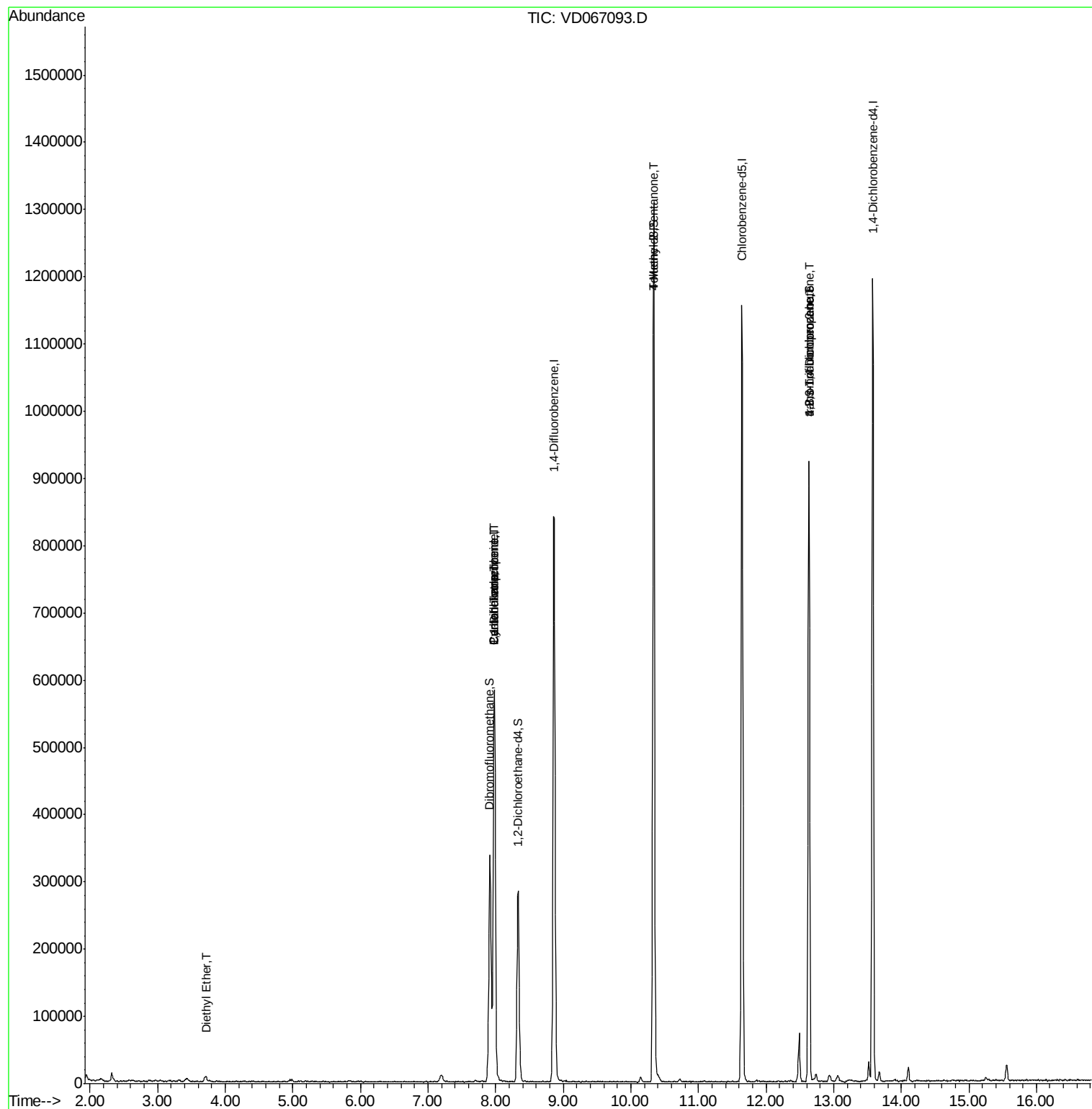
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	209	Below Cal	#	40
5) Bromomethane	2.78	94	310	Below Cal		90
8) Diethyl Ether	3.72	74	4819	2.392	ug/l	94
11) Tert butyl alcohol	5.23	59	1036	Below Cal	#	72
20) Methylene Chloride	4.96	84	1471	Below Cal	#	75
26) 2,2-Dichloropropane	7.19	77	909	Below Cal	#	53
31) Cyclohexane	7.98	56	8757	1.322	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	32154	4.512	ug/l #	51
38) Carbon Tetrachloride	7.98	117	45023	5.839	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	3643	1.608	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	148196	51.719	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	148196	128.941	ug/l #	12

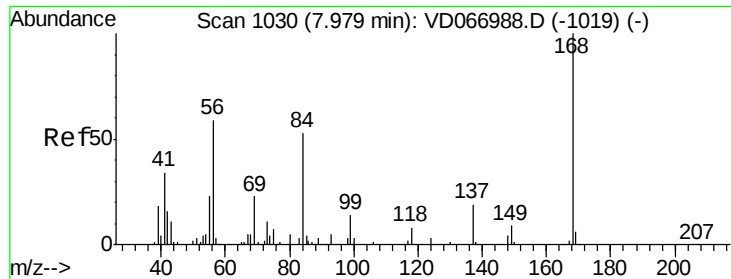
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067093.D

Acq: 05 Oct 2020 19:37

Instrument :

MSVOA_D

ClientSampleId :

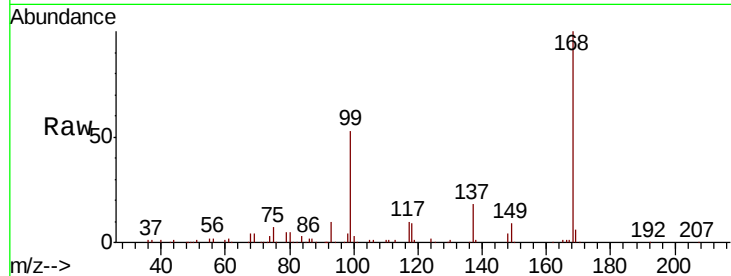
PAV-B21-100220-0-1

Tot Ion:168 Resp: 457937

Ion Ratio Lower Upper

168 100

99 52.9 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

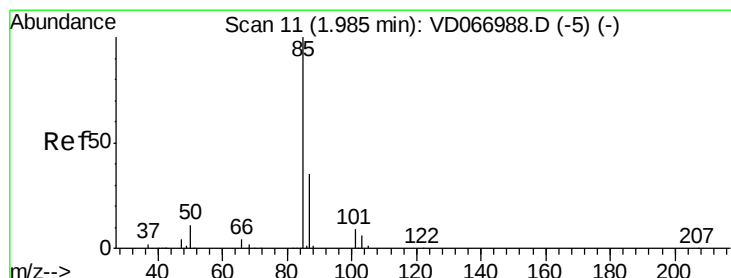
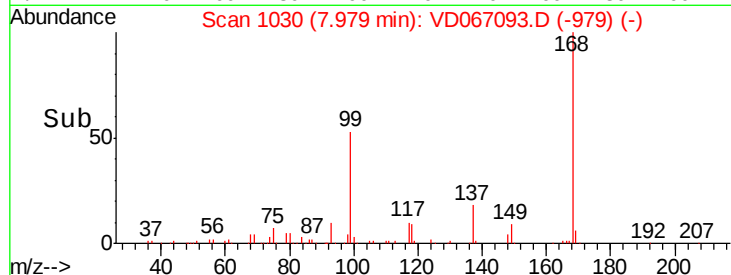
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD067093.D

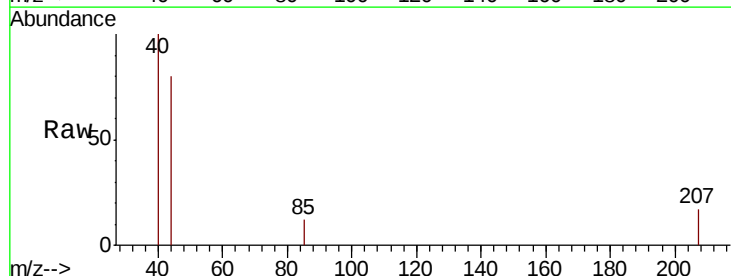
Acq: 05 Oct 2020 19:37

Tgt Ion: 85 Resp: 209

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

2.00

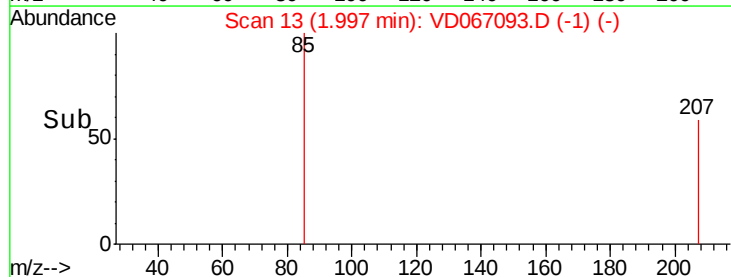
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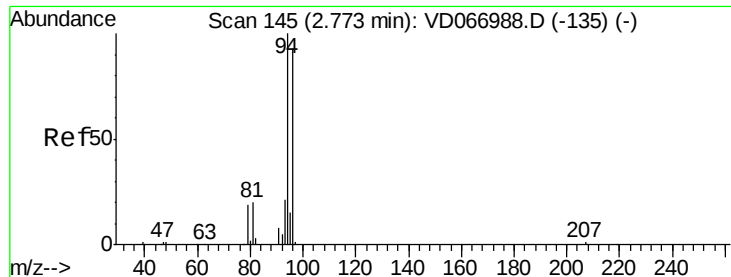
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067093.D

Acq: 05 Oct 2020 19:37

Instrument :

MSVOA_D

ClientSampleId :

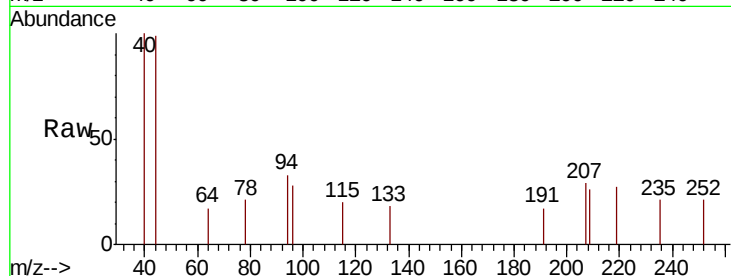
PAV-B21-100220-0-1

Tot Ion: 94 Resp: 310

Ion Ratio Lower Upper

94 100

96 83.8 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.78

2.78

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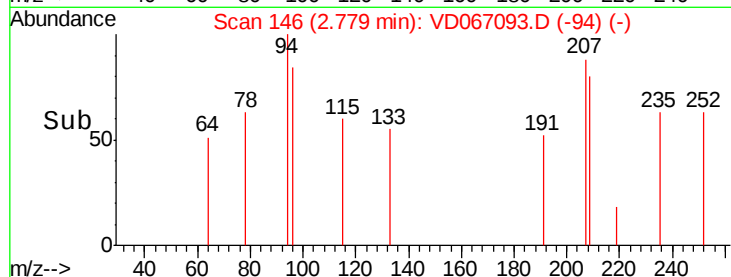
2.78

2.78

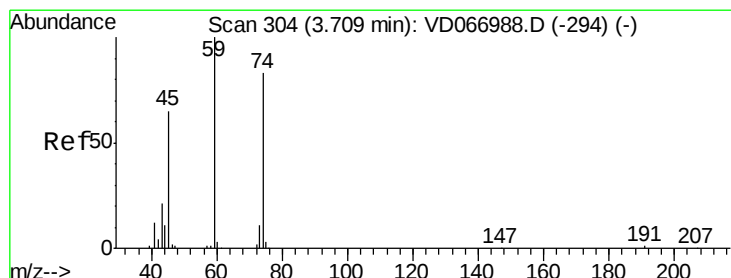
2.78

2.78

2.78



Time-->



#8

Diethyl Ether

Concen: 2.392 ug/l

RT: 3.72 min Scan# 306

Delta R.T. 0.01 min

Lab File: VD067093.D

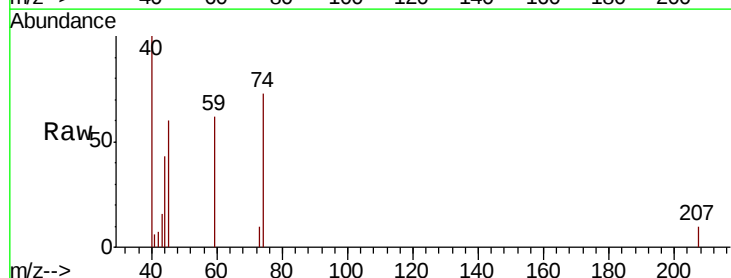
Acq: 05 Oct 2020 19:37

Tgt Ion: 74 Resp: 4819

Ion Ratio Lower Upper

74 100

45 91.3 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.72

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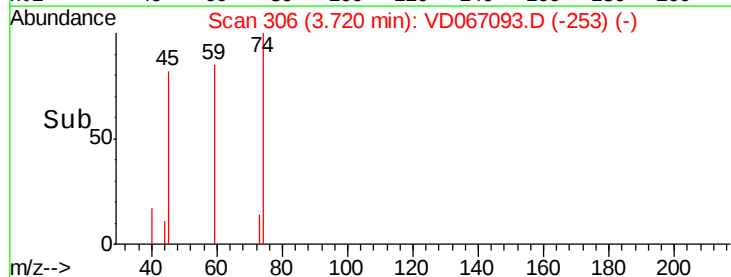
3.72

3.72

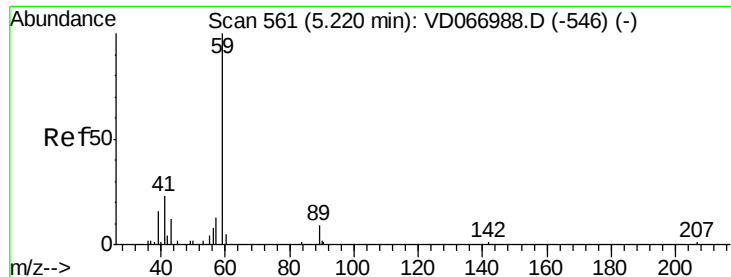
3.72

3.72

3.72



Time-->

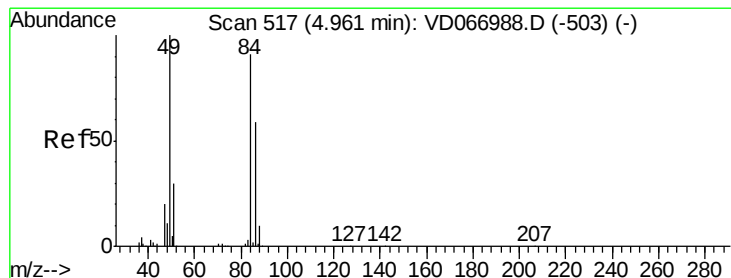
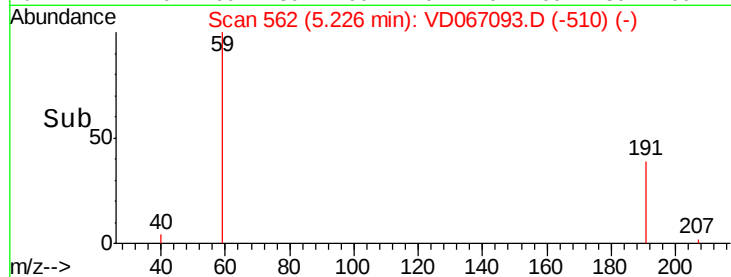
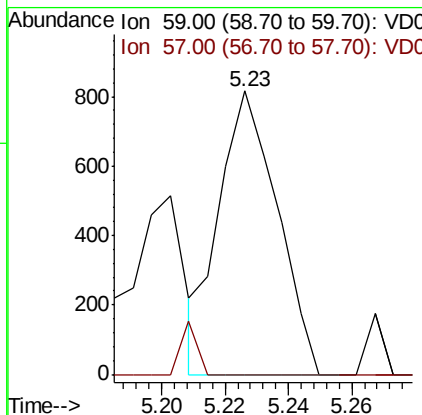
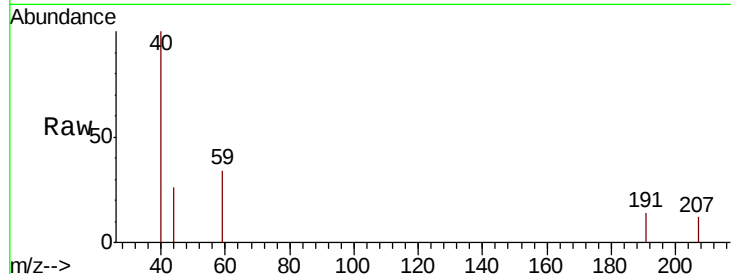


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: VD067093.D
 Acq: 05 Oct 2020 19:37

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B21-100220-0-1

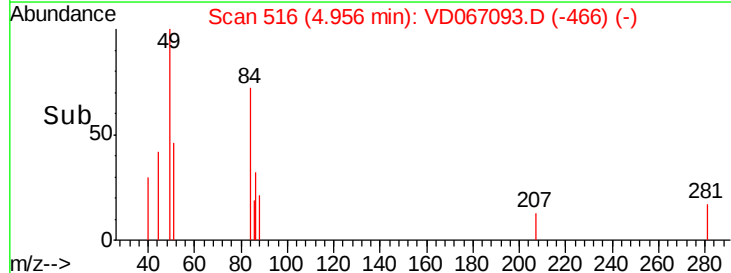
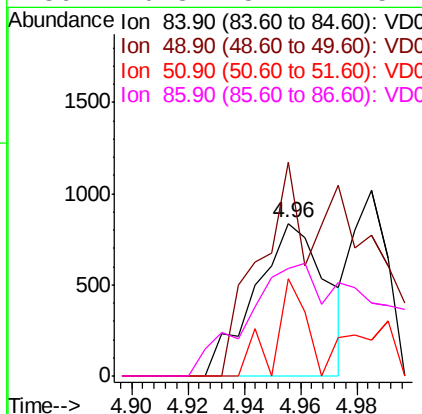
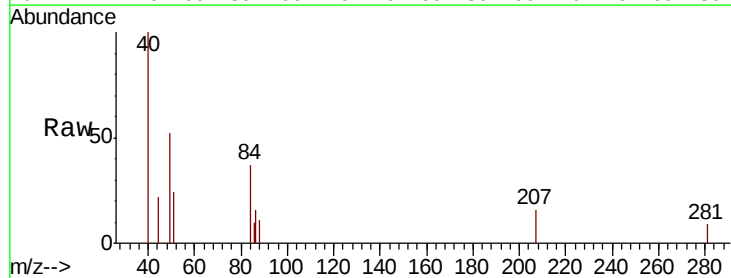
Tot Ion: 59 Resp: 1036
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

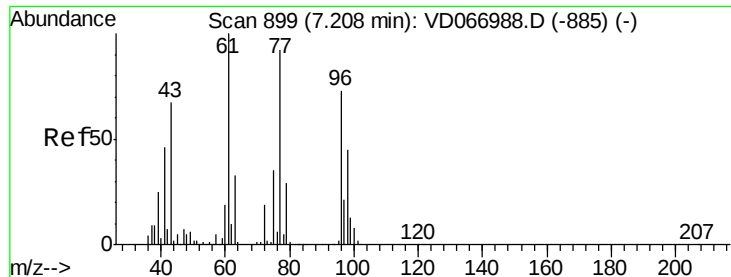


#20

Methylene Chloride
 Concen: Below Cal
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD067093.D
 Acq: 05 Oct 2020 19:37

Tgt Ion: 84 Resp: 1471
 Ion Ratio Lower Upper
 84 100
 49 139.9 88.2 132.2#
 51 63.7 26.6 39.8#
 86 70.3 52.1 78.1





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD067093.D

Acq: 05 Oct 2020 19:37

Instrument :

MSVOA_D

ClientSampleId :

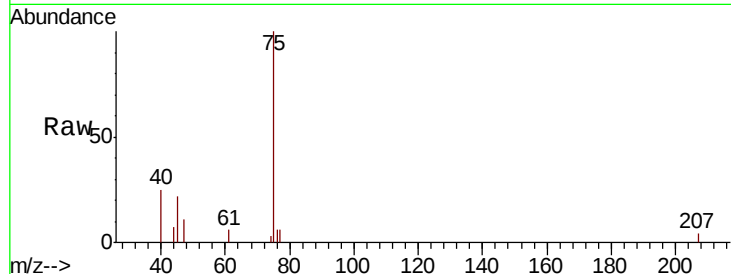
PAV-B21-100220-0-1

Tot Ion: 77 Resp: 909

Ion Ratio Lower Upper

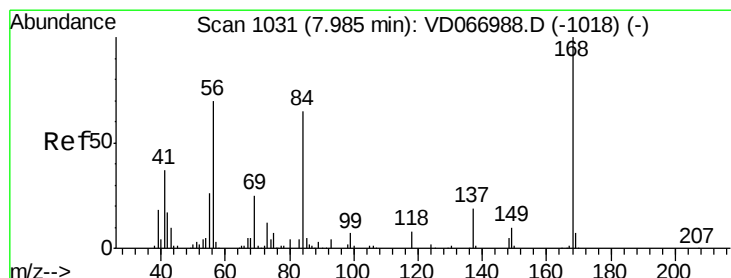
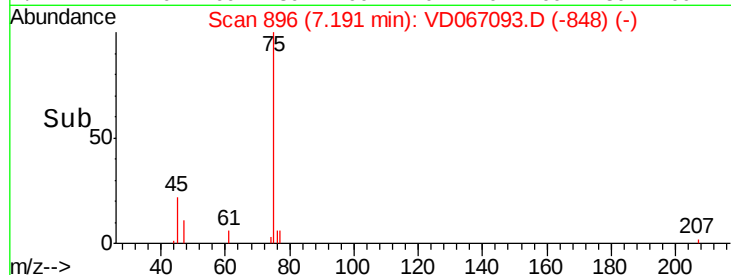
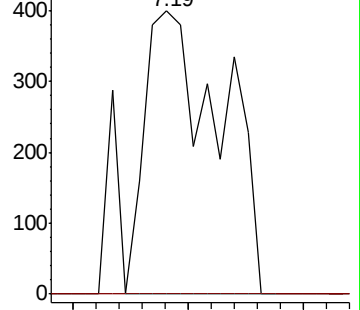
77 100

97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



#31

Cyclohexane

Concen: 1.322 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067093.D

Acq: 05 Oct 2020 19:37

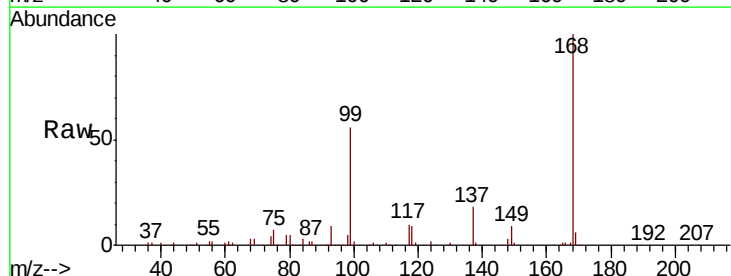
Tgt Ion: 56 Resp: 8757

Ion Ratio Lower Upper

56 100

69 184.3 29.0 43.6#

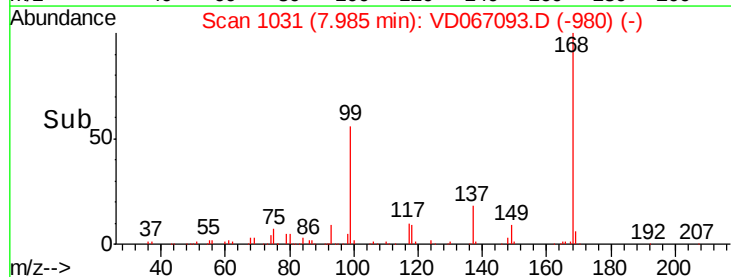
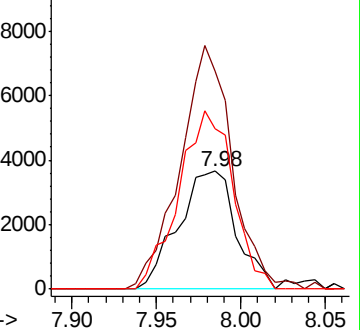
84 136.0 74.2 111.2#

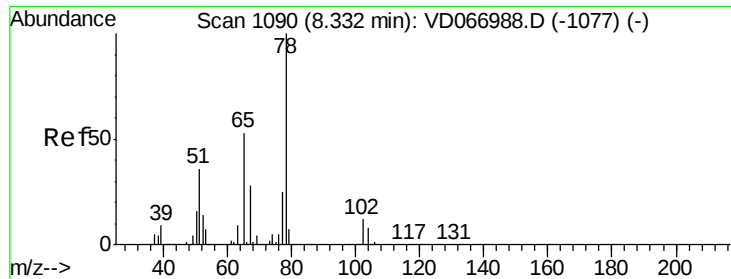


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

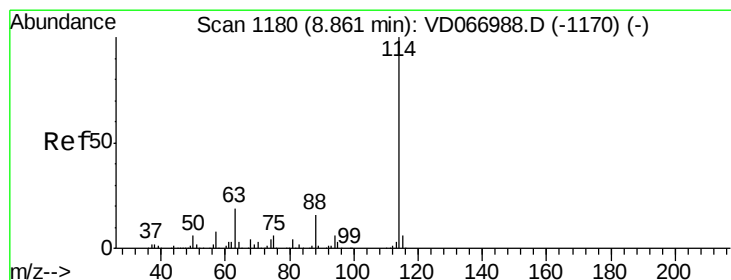
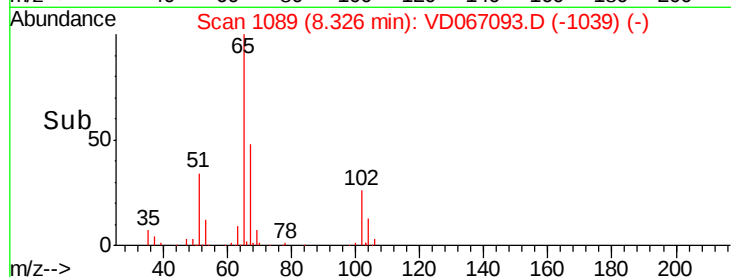
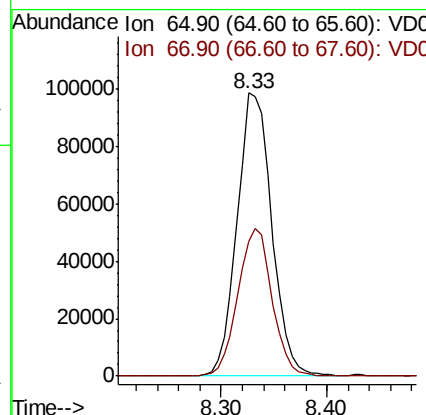
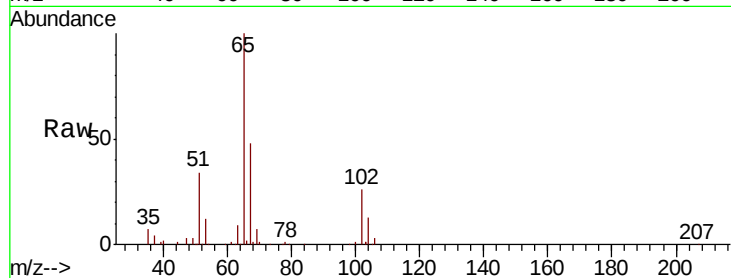




#33
 1,2-Dichloroethane-d4
 Concen: 50.775 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD067093.D
 Acq: 05 Oct 2020 19:37

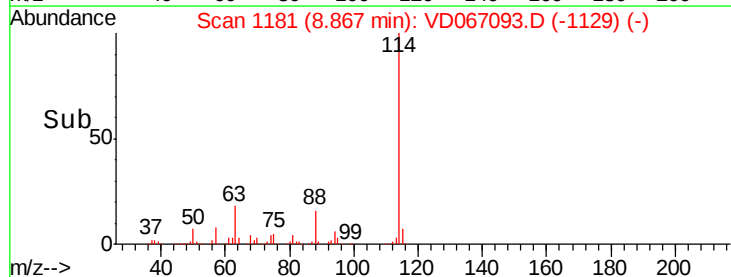
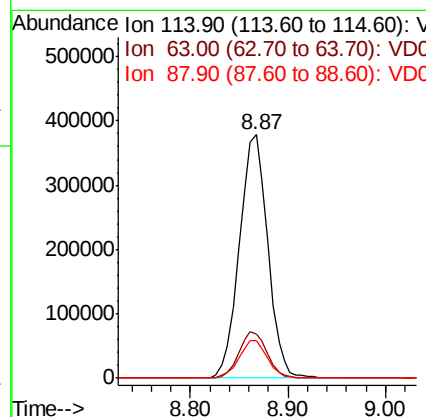
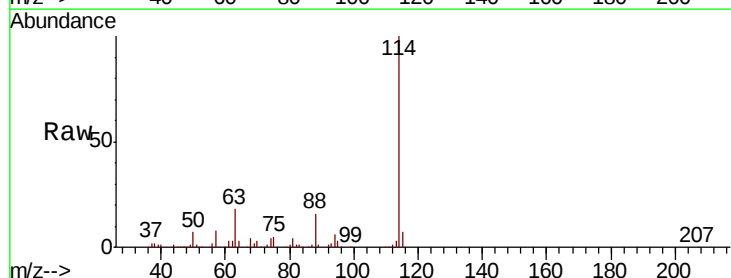
Instrument :
 MSVOA_D
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 PAV-B21-100220-0-1

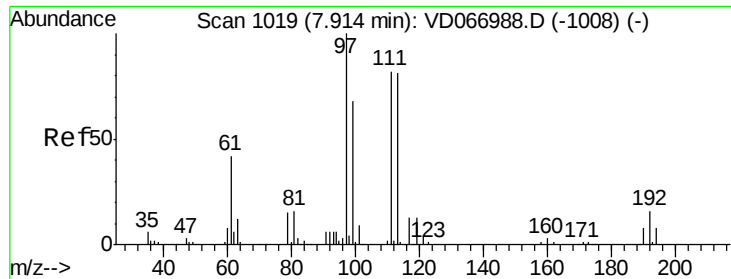
Tot Ion: 65 Resp: 223958
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067093.D
 Acq: 05 Oct 2020 19:37

Tgt Ion: 114 Resp: 764540
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 38.4
 88 15.6 0.0 31.2

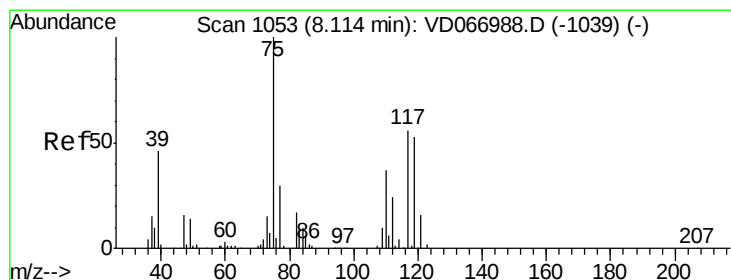
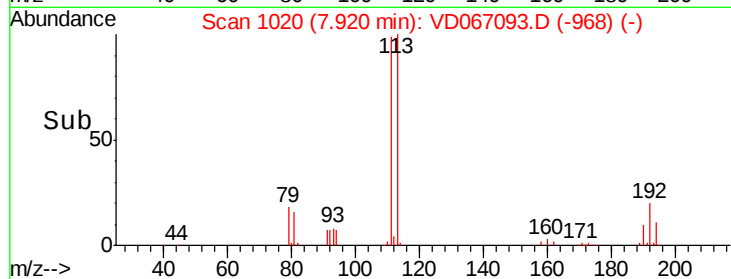
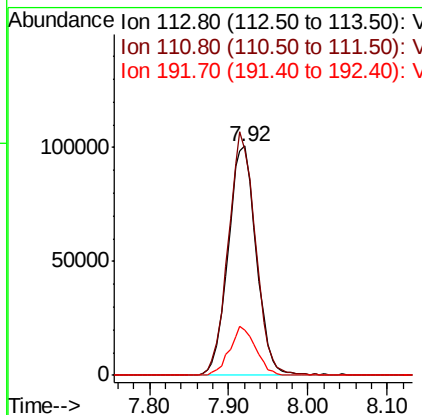
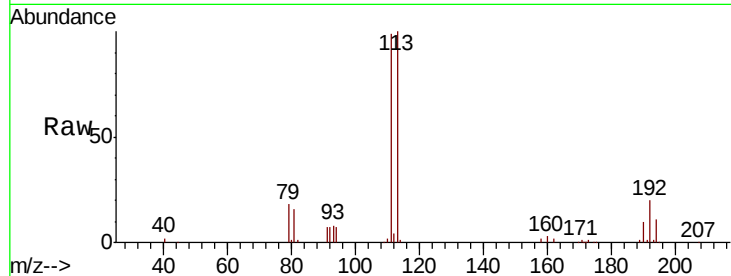




#35
 Dibromofluoromethane
 Concen: 49.344 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067093.D
 Acq: 05 Oct 2020 19:37

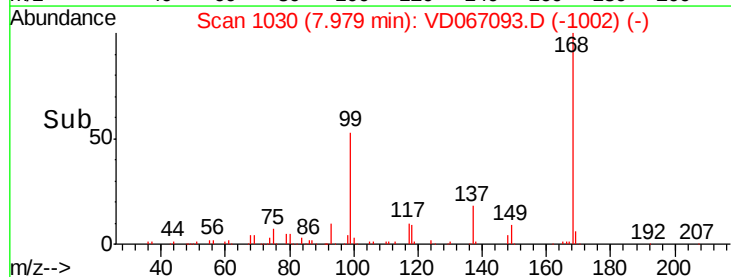
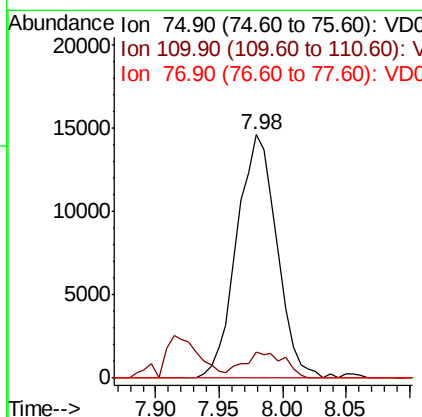
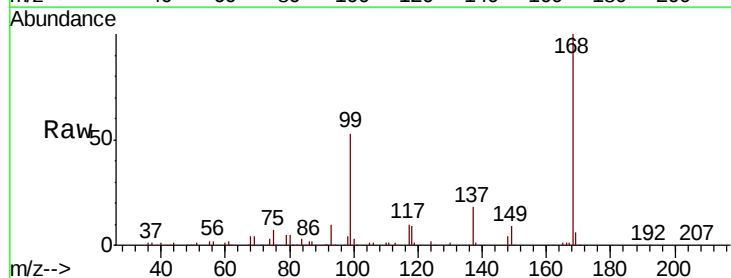
Instrument :
 MSVOA_D
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 PAV-B21-100220-0-1

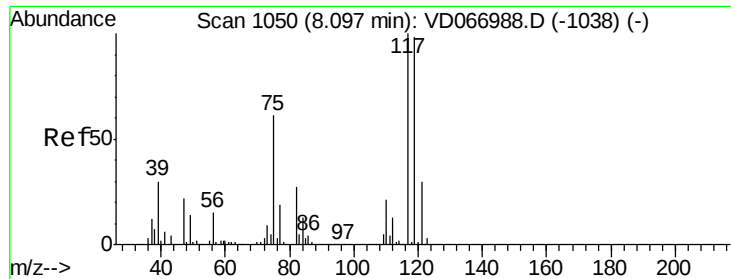
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.0	124.4
192	19.9	15.5	23.3



#36
 1,1-Dichloropropene
 Concen: 4.512 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067093.D
 Acq: 05 Oct 2020 19:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.9	18.4	55.0#
77	0.0	24.8	37.2#

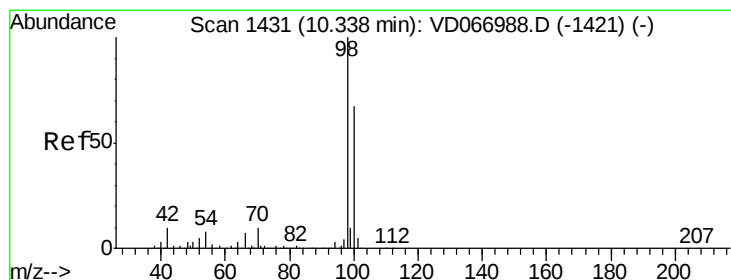
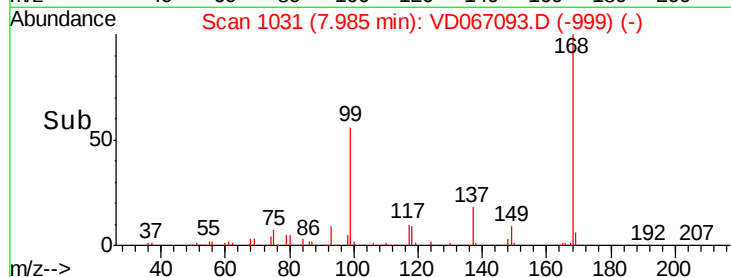
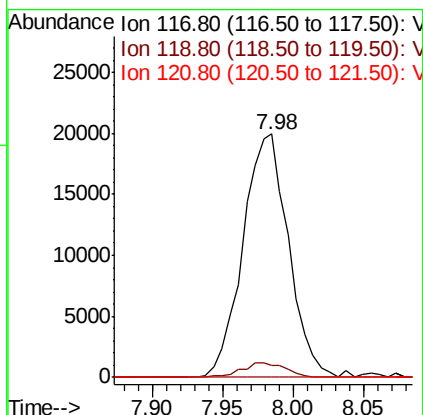
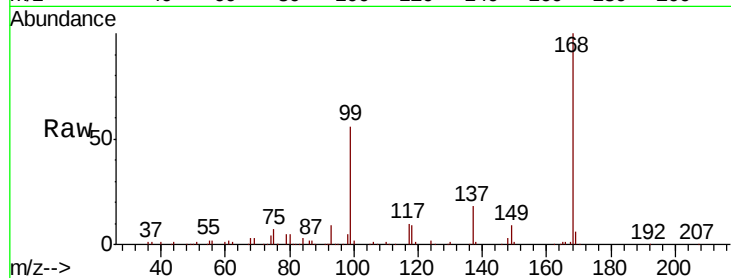




#38
Carbon Tetrachloride
Concen: 5.839 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD067093.D
Acq: 05 Oct 2020 19:37

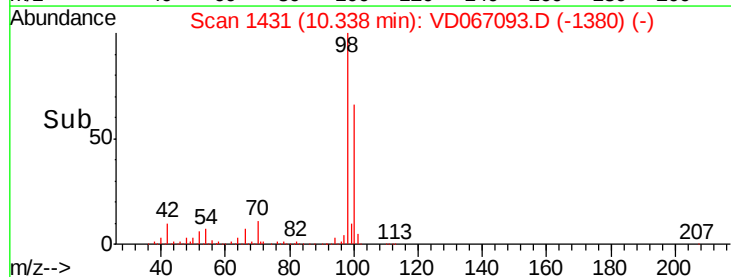
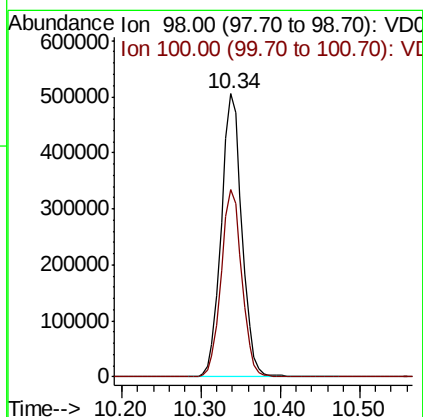
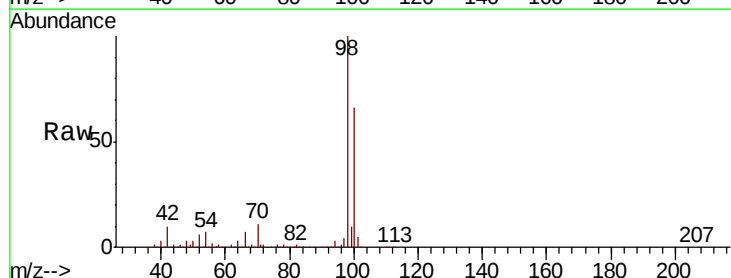
Instrument :
MSVOA_D
ClientSampleId :
PAV-B21-100220-0-1

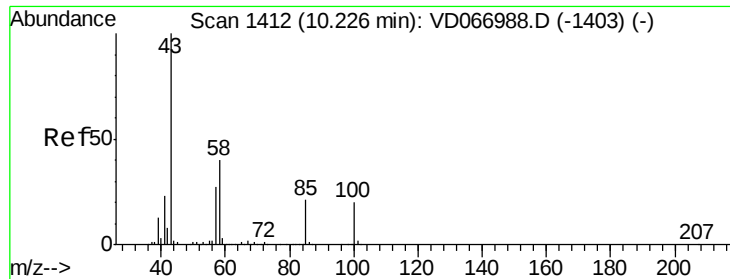
Tot Ion:117 Resp: 45023
Ion Ratio Lower Upper
117 100
119 5.1 78.7 118.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.930 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067093.D
Acq: 05 Oct 2020 19:37

Tgt Ion: 98 Resp: 910663
Ion Ratio Lower Upper
98 100
100 66.3 52.8 79.2

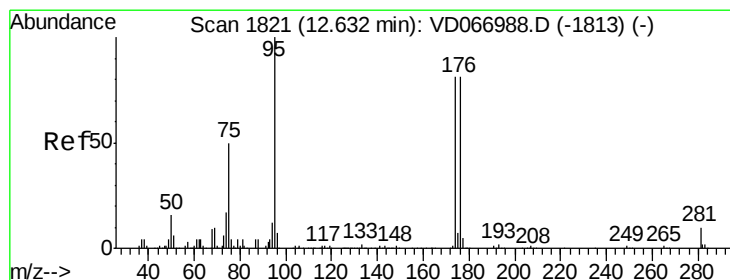
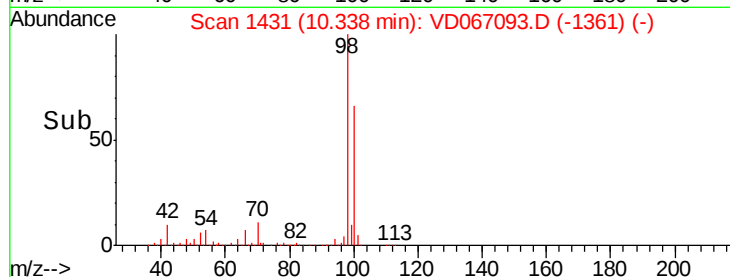
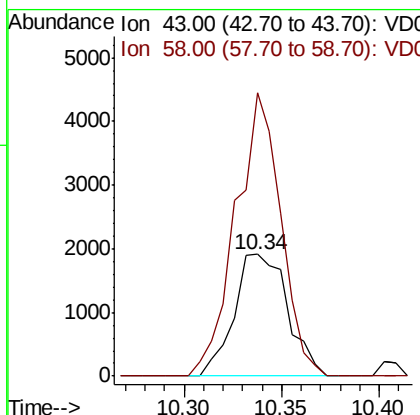
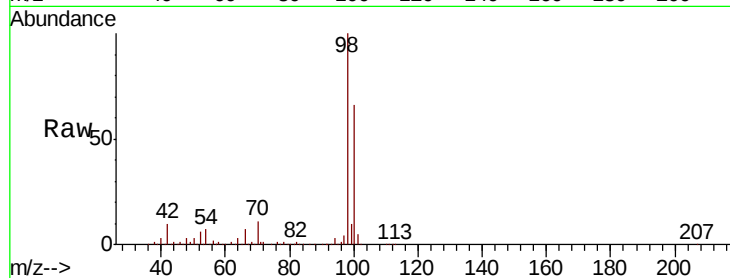




#51
 4-Methyl-2-Pentanone
 Concen: 1.608 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.11 min
 Lab File: VD067093.D
 Acq: 05 Oct 2020 19:37

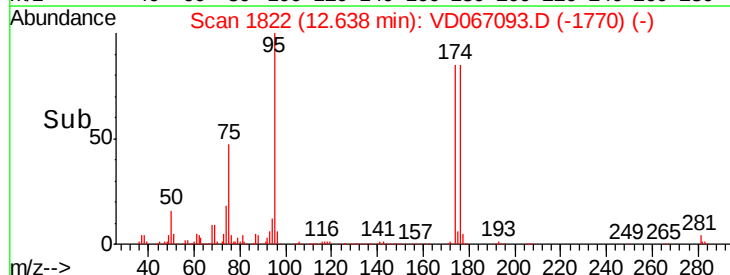
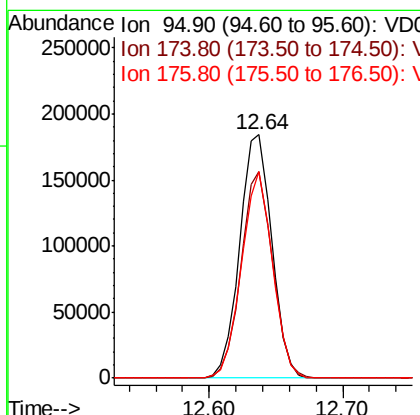
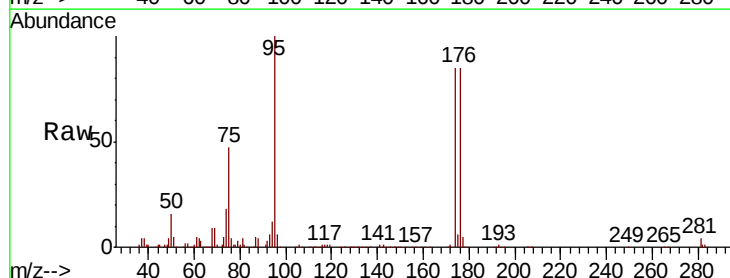
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B21-100220-0-1

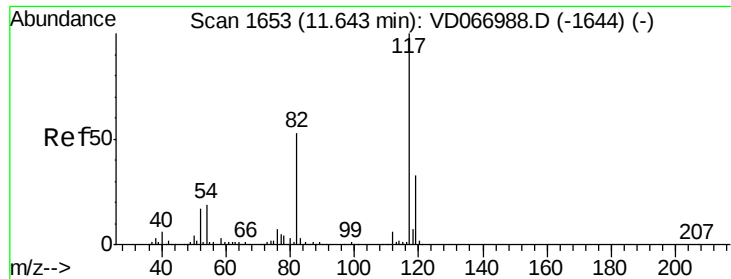
Tot Ion: 43 Resp: 3643
 Ion Ratio Lower Upper
 43 100
 58 195.4 33.8 50.8#



#62
 4-Bromofluorobenzene
 Concen: 49.492 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD067093.D
 Acq: 05 Oct 2020 19:37

Tgt Ion: 95 Resp: 306435
 Ion Ratio Lower Upper
 95 100
 174 83.2 0.0 167.6
 176 81.7 0.0 162.4

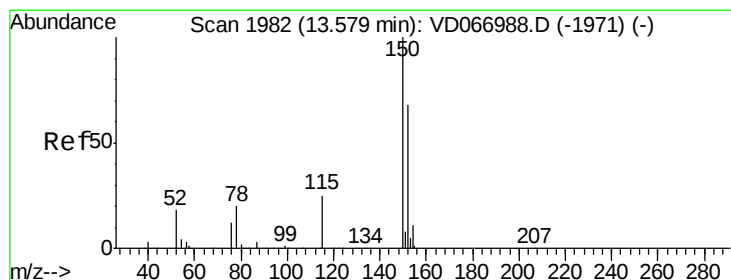
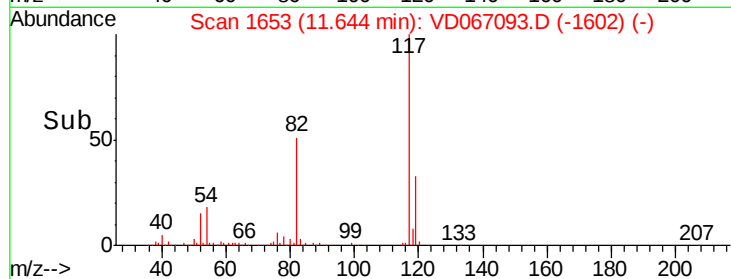
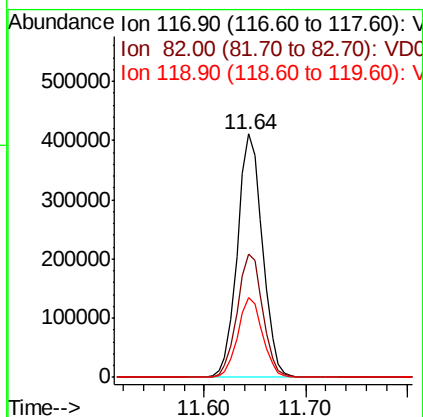
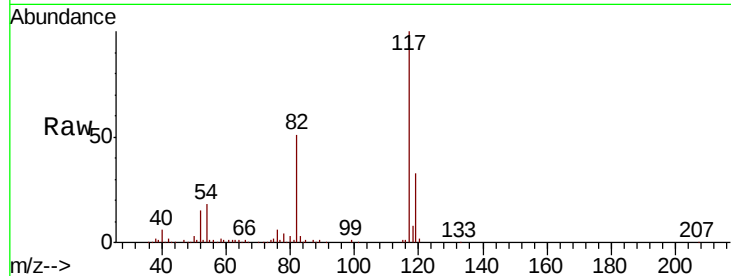




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067093.D
Acq: 05 Oct 2020 19:37

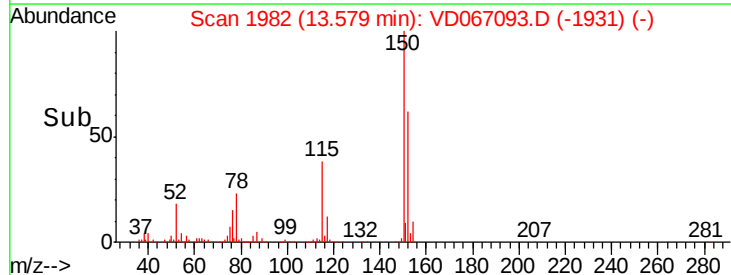
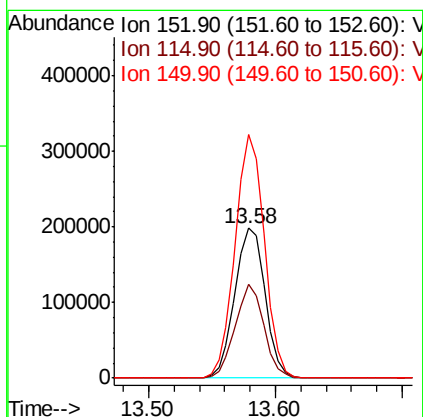
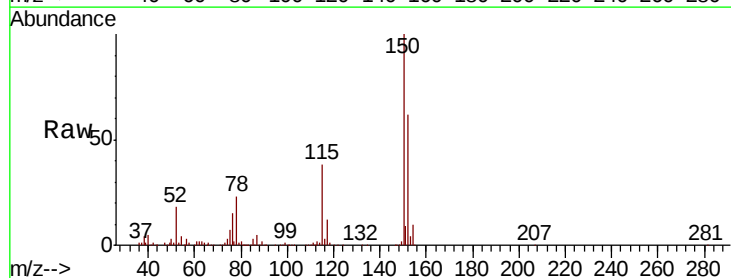
Instrument :
MSVOA_D
ClientSampleId :
PAV-B21-100220-0-1

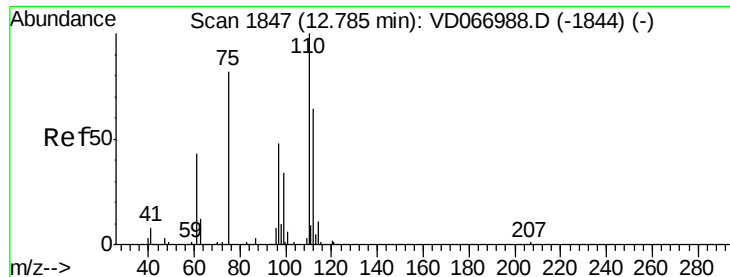
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	42.6	63.8
119	33.0	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067093.D
Acq: 05 Oct 2020 19:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.6	88.8
150	156.3	0.0	344.8





#76

1,2,3-Trichloropropane

Concen: 51.719 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067093.D

Acq: 05 Oct 2020 19:37

Instrument :

MSVOA_D

ClientSampleId :

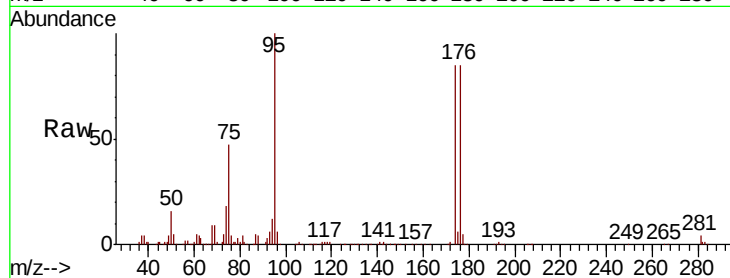
PAV-B21-100220-0-1

Tot Ion: 75 Resp: 148196

Ion Ratio Lower Upper

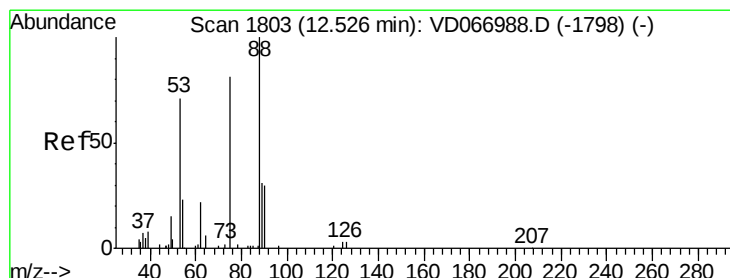
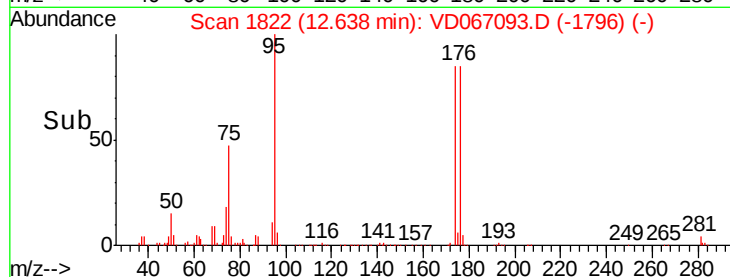
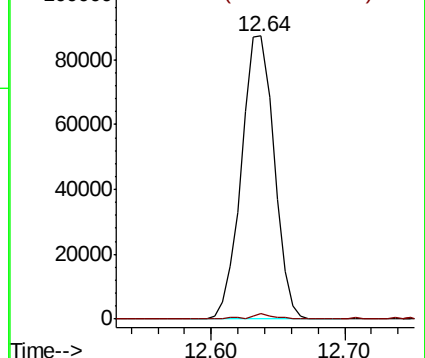
75 100

77 1.3 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: 128.941 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067093.D

Acq: 05 Oct 2020 19:37

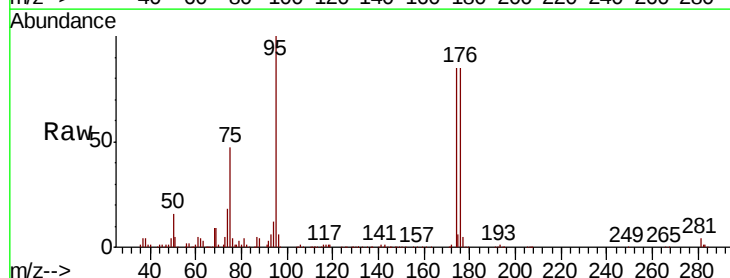
Tgt Ion: 75 Resp: 148196

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.1 38.9 58.3#



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

