

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100520\
 Data File : VD067085.D
 Acq On : 05 Oct 2020 15:57
 Operator : VA/SY
 Sample : L4190-09
 Misc : 7.15G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B18-092920-0-1

Quant Time: Oct 06 07:18:46 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

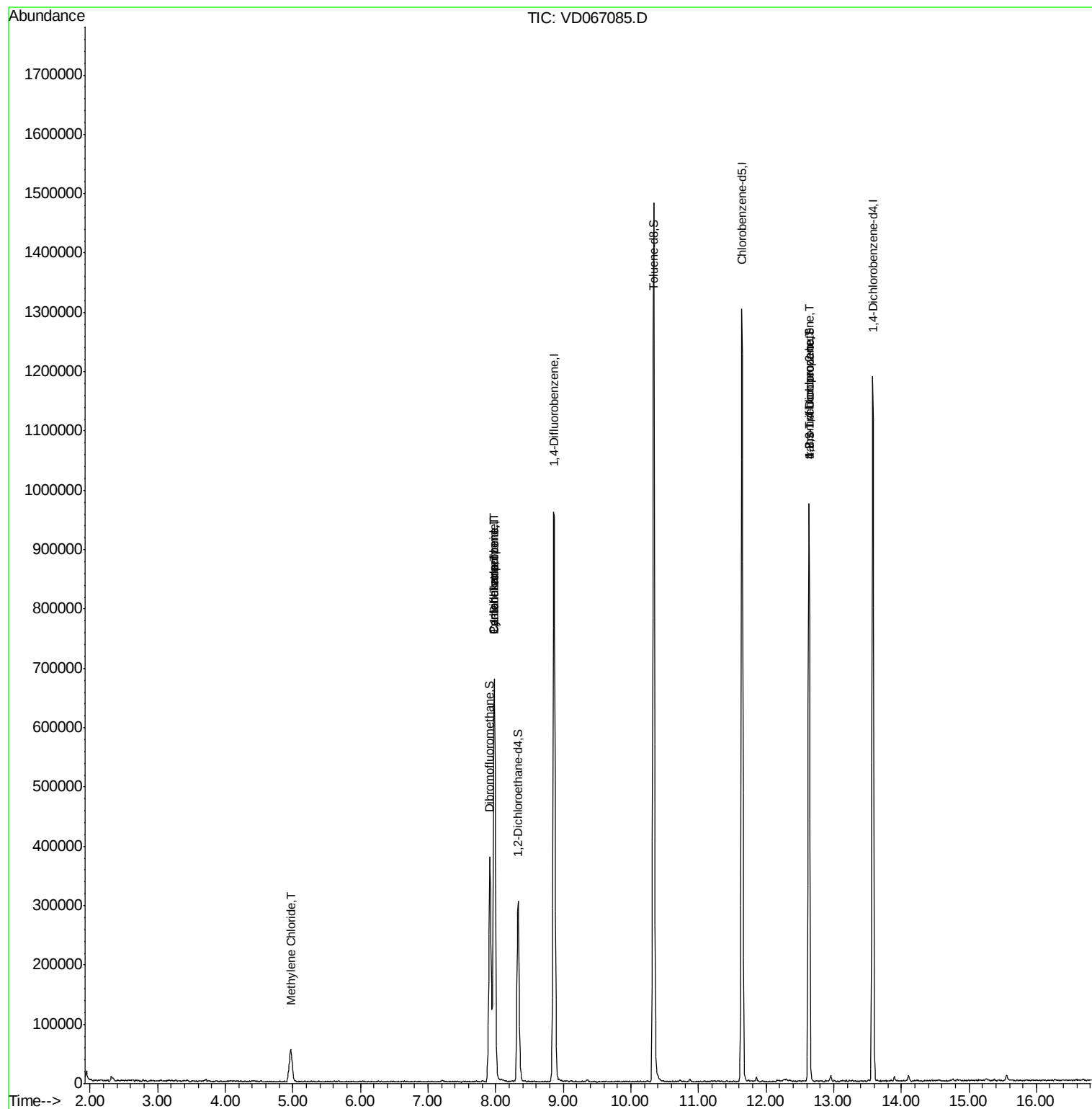
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	513163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	881564	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	787185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	330904	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	244375	49.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.88%	
35) Dibromofluoromethane	7.91	113	272969	47.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.60%	
50) Toluene-d8	10.34	98	1018667	48.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.88%	
62) 4-Bromofluorobenzene	12.64	95	327609	45.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.78%	
Target Compounds						
2) Dichlorodifluoromethane	1.99	85	808	Below Cal		88
5) Bromomethane	2.77	94	700	Below Cal	#	66
20) Methylene Chloride	4.97	84	45199	1.366	ug/l	88
26) 2,2-Dichloropropane	7.21	77	736	Below Cal	#	69
31) Cyclohexane	7.97	56	10500	1.415	ug/l #	34
36) 1,1-Dichloropropene	7.98	75	37950	4.618	ug/l #	49
38) Carbon Tetrachloride	7.98	117	49670	5.587	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	161869	56.160	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	161869	140.014	ug/l #	12

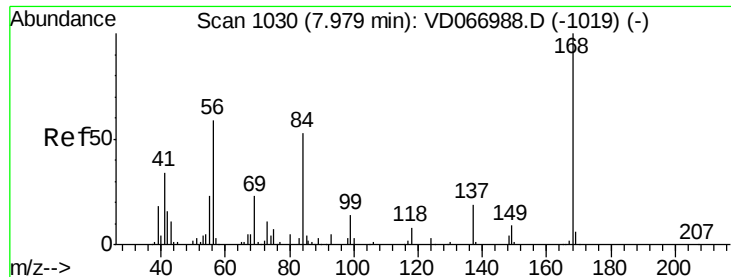
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100520\
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PAV-B18-092920-0-1

Quant Time: Oct 06 07:18:46 2020
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: VD067085.D

Acq: 05 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

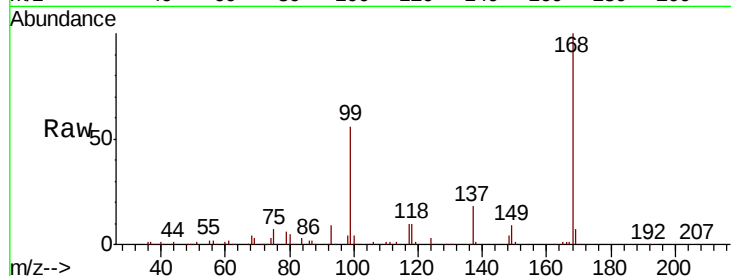
PAV-B18-092920-0-1

Tot Ion:168 Resp: 513163

Ion Ratio Lower Upper

168 100

99 55.7 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

250000

200000

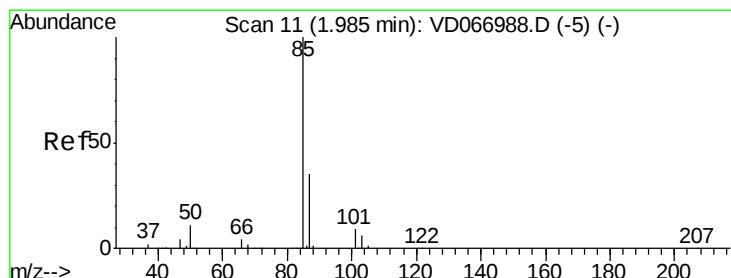
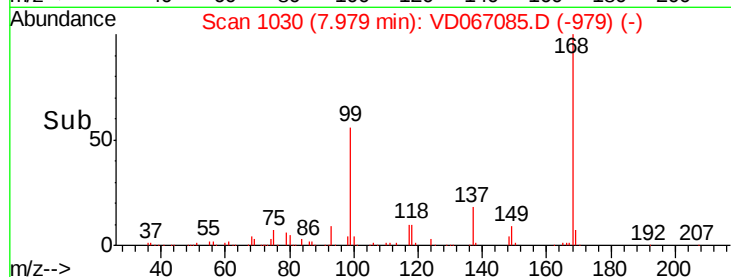
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067085.D

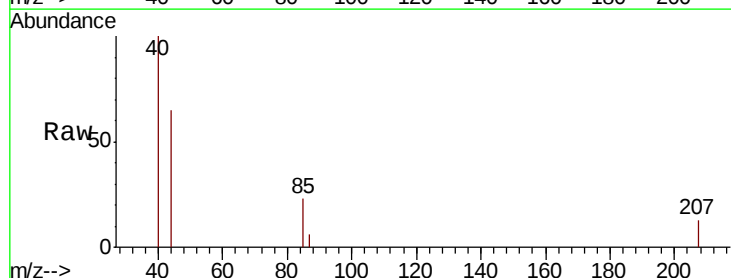
Acq: 05 Oct 2020 15:57

Tgt Ion: 85 Resp: 808

Ion Ratio Lower Upper

85 100

87 27.5 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

1000

800

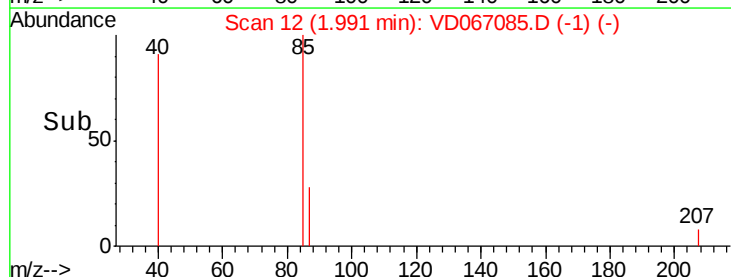
600

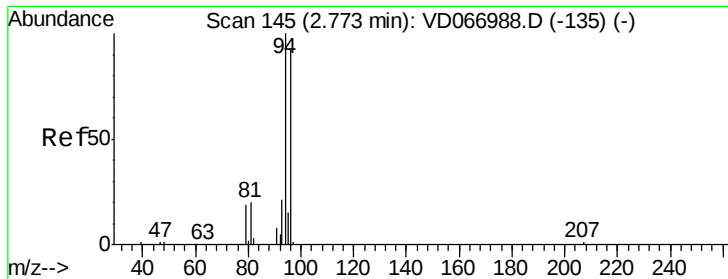
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067085.D

Acq: 05 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

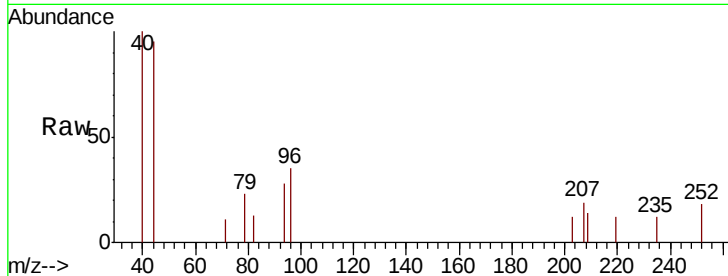
PAV-B18-092920-0-1

Tot Ion: 94 Resp: 700

Ion Ratio Lower Upper

94 100

96 126.4 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

800

600

400

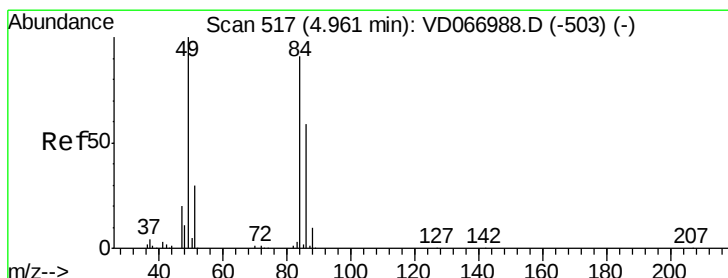
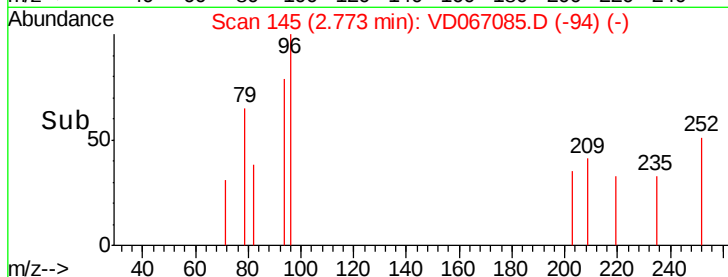
200

0

2.75

2.80

Time-->



#20

Methylene Chloride

Concen: 1.366 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067085.D

Acq: 05 Oct 2020 15:57

Tgt Ion: 84 Resp: 45199

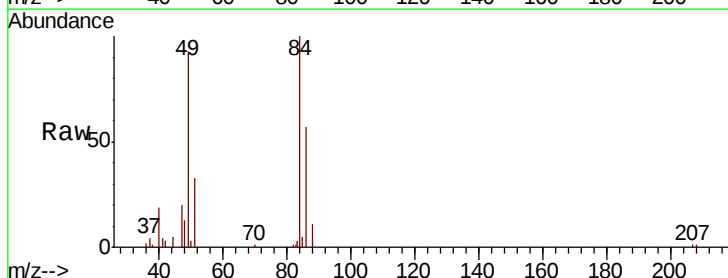
Ion Ratio Lower Upper

84 100

49 93.3 88.2 132.2

51 32.7 26.6 39.8

86 56.7 52.1 78.1



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

25000

20000

15000

10000

5000

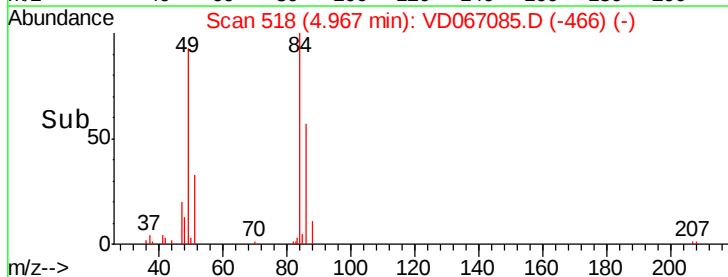
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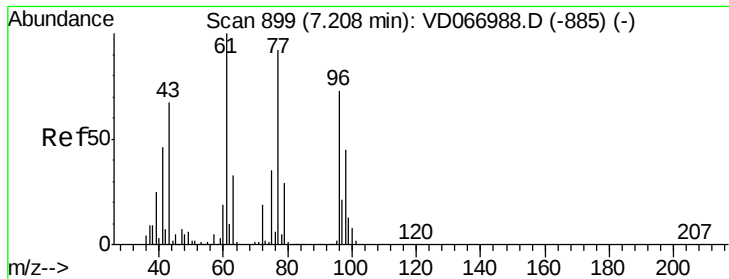
4.90

5.00

5.10

Time-->





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067085.D

Acq: 05 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

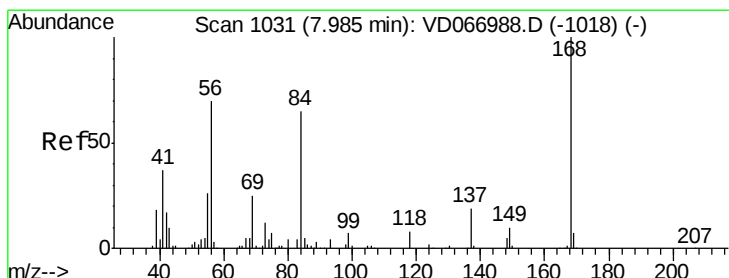
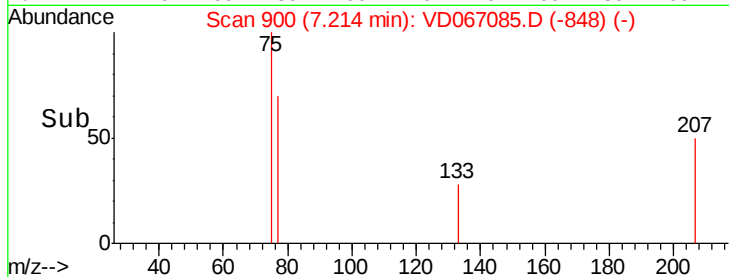
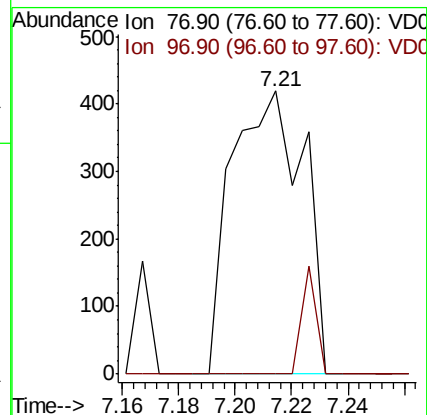
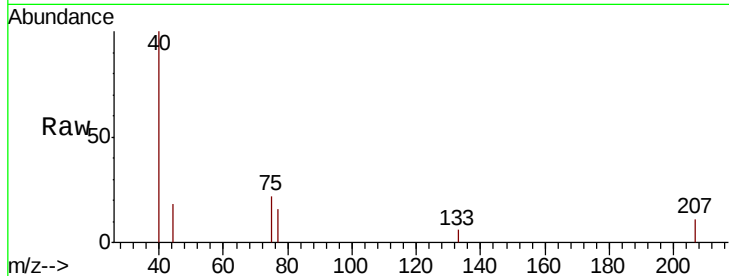
PAV-B18-092920-0-1

Tot Ion: 77 Resp: 736

Ion Ratio Lower Upper

77 100

97 7.6 11.4 34.2#



#31

Cyclohexane

Concen: 1.415 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD067085.D

Acq: 05 Oct 2020 15:57

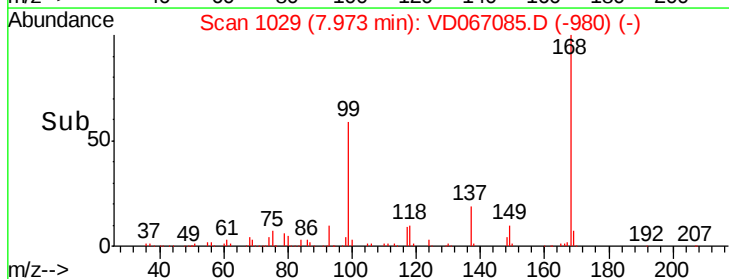
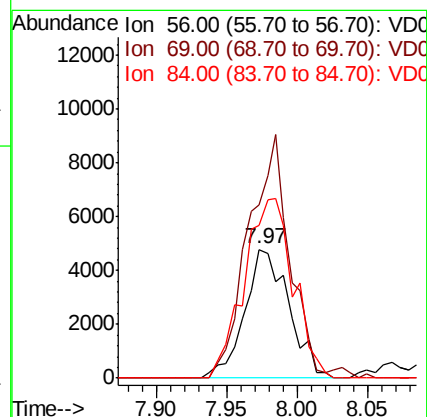
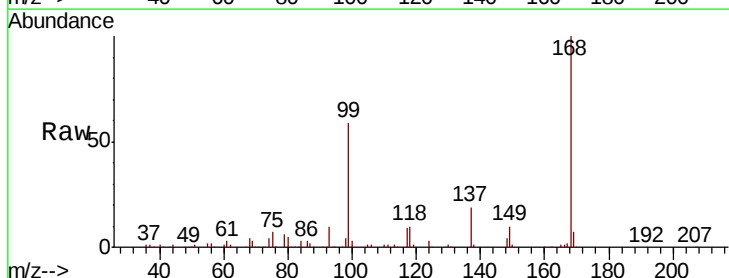
Tgt Ion: 56 Resp: 10500

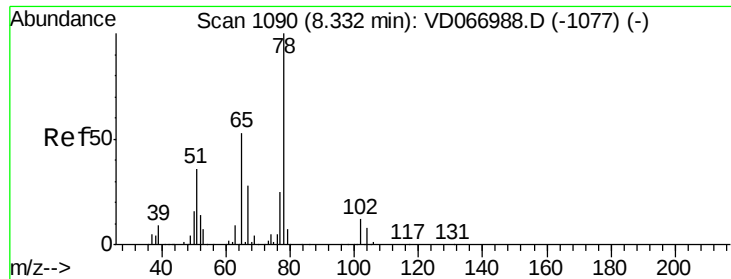
Ion Ratio Lower Upper

56 100

69 134.7 29.0 43.6#

84 118.8 74.2 111.2#

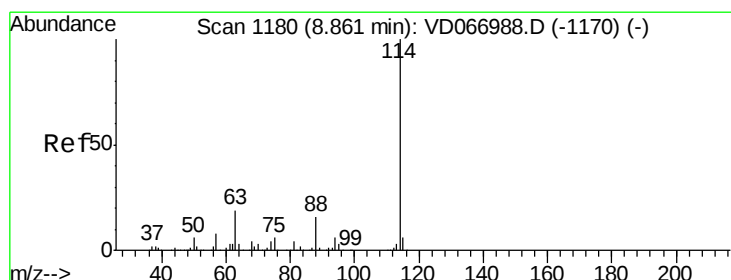
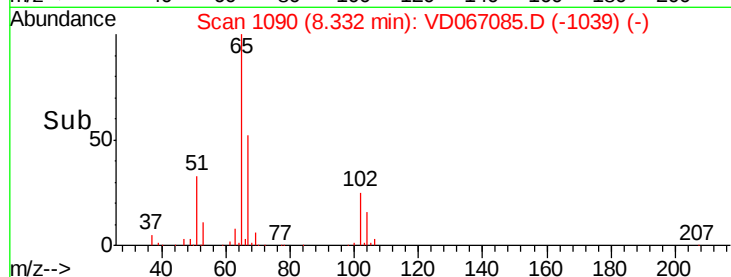
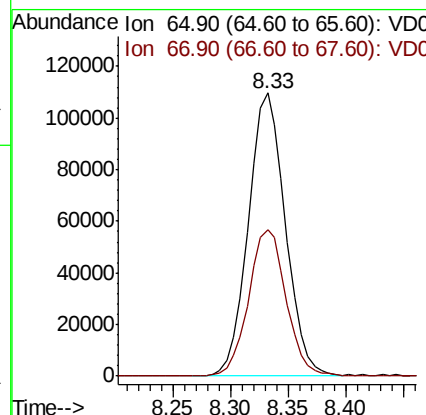
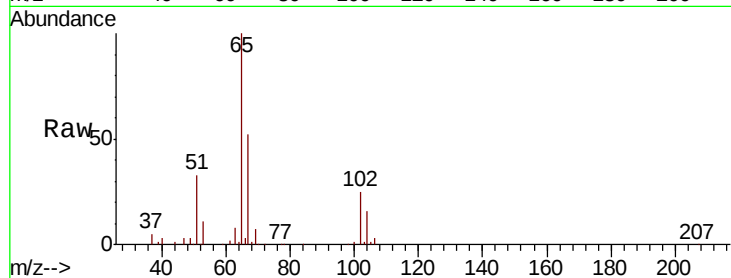




#33
 1,2-Dichloroethane-d4
 Concen: 49.441 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067085.D
 Acq: 05 Oct 2020 15:57

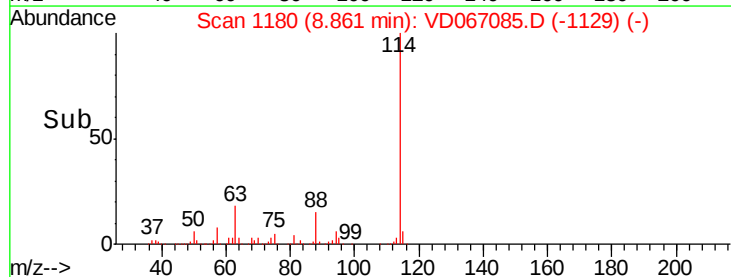
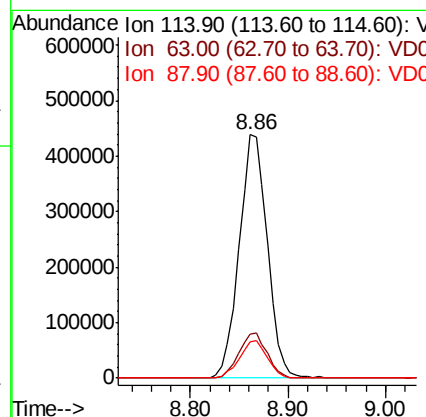
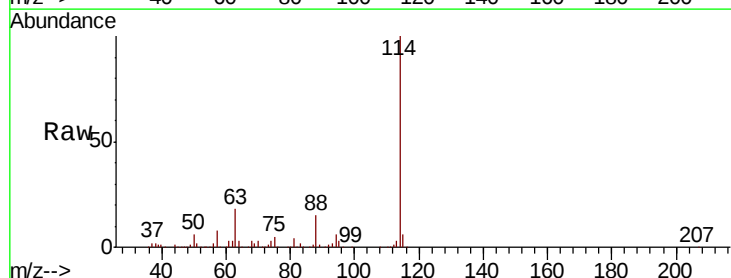
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B18-092920-0-1

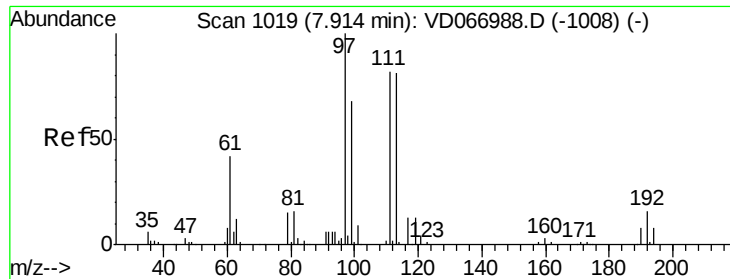
Tot Ion: 65 Resp: 244375
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067085.D
 Acq: 05 Oct 2020 15:57

Tgt Ion: 114 Resp: 881564
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 38.4
 88 15.0 0.0 31.2

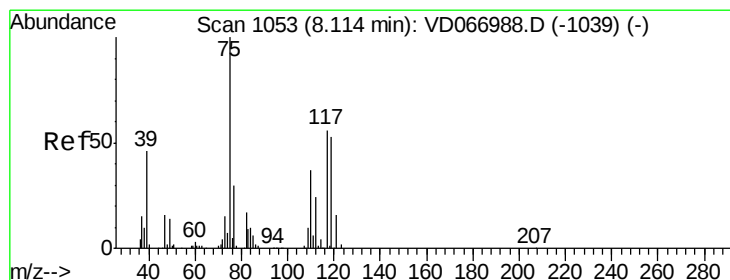
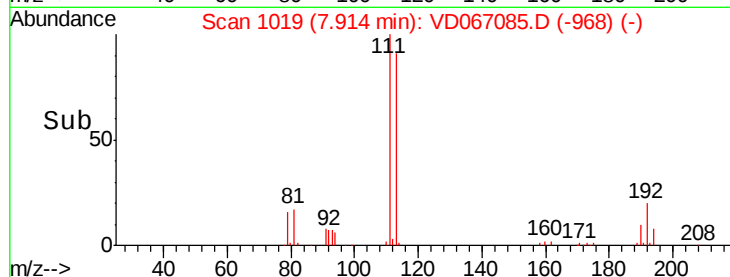
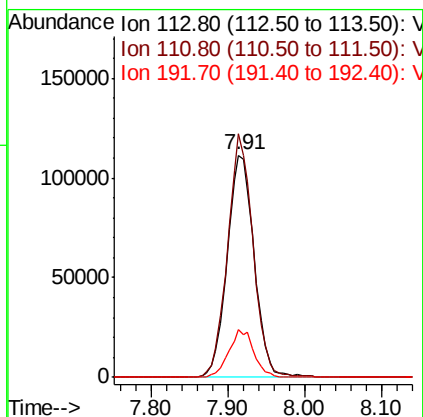
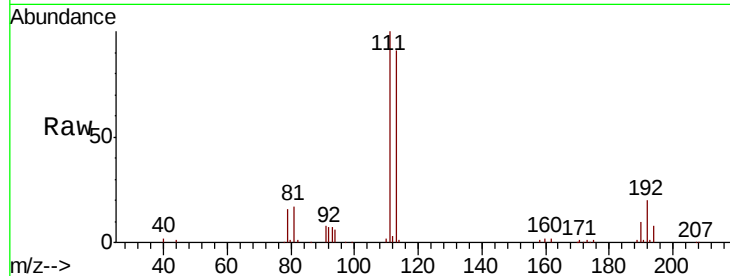




#35
 Dibromofluoromethane
 Concen: 47.297 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067085.D
 Acq: 05 Oct 2020 15:57

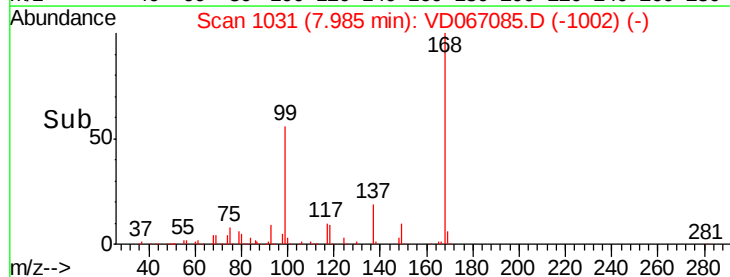
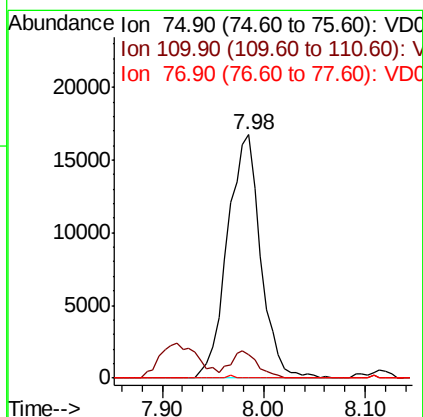
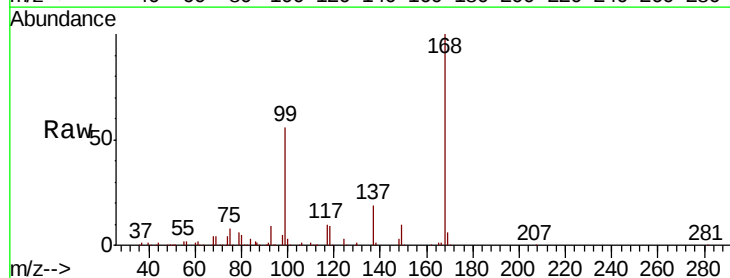
Instrument :
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 ClientSampleId :
 PAV-B18-092920-0-1

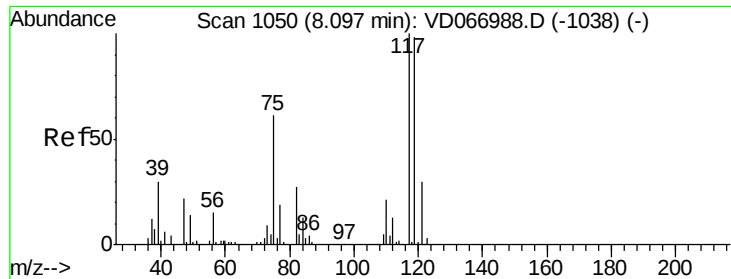
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.0	124.4
192	19.9	15.5	23.3



#36
 1,1-Dichloropropene
 Concen: 4.618 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067085.D
 Acq: 05 Oct 2020 15:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.4	55.0#
77	0.2	24.8	37.2#

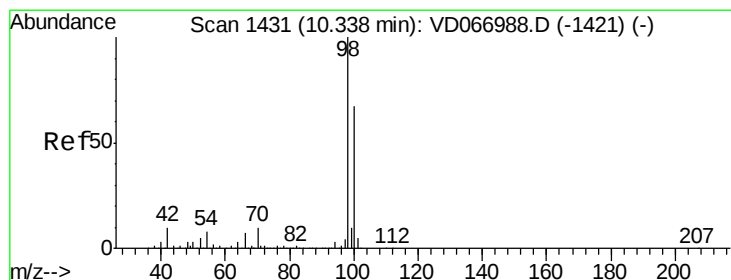
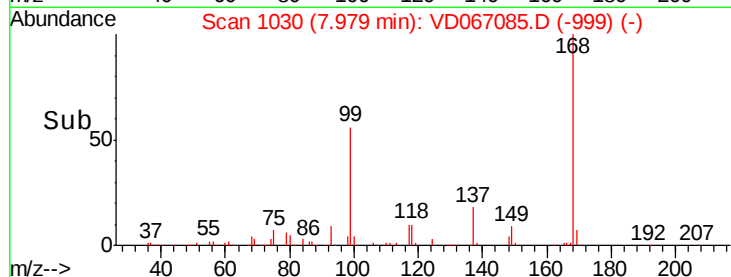
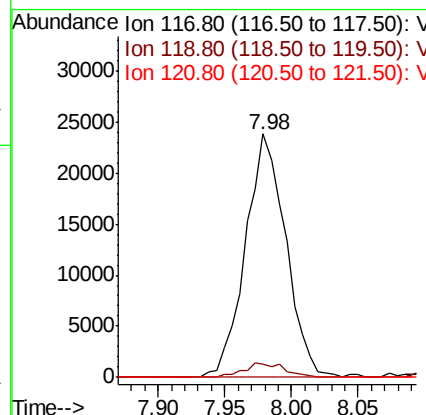
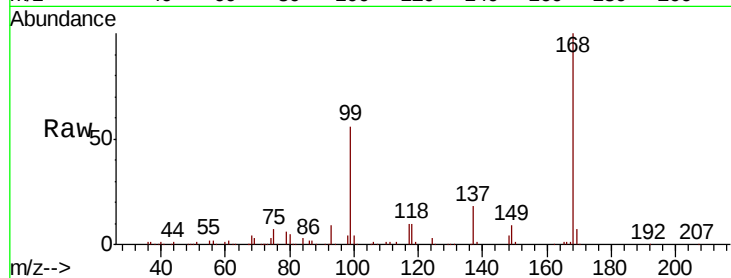




#38
Carbon Tetrachloride
Concen: 5.587 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD067085.D
Acq: 05 Oct 2020 15:57

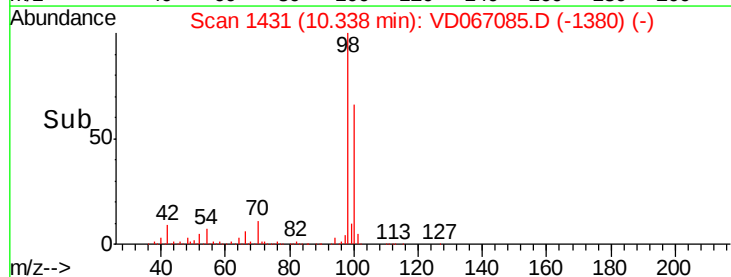
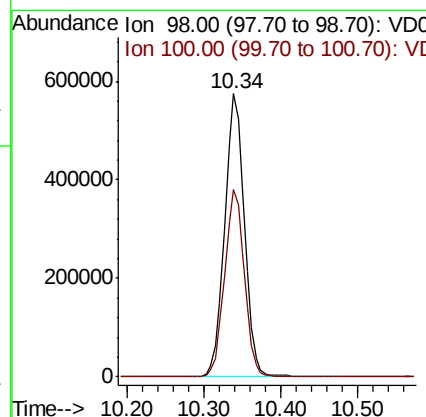
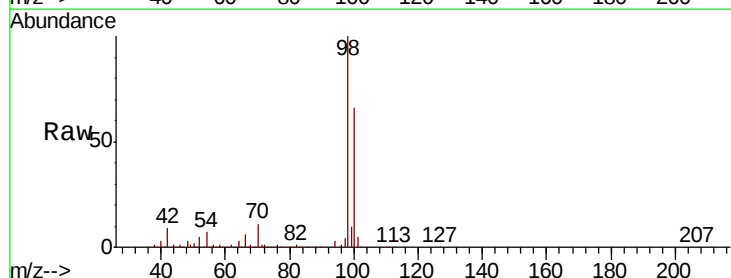
Instrument :
MSVOA_D
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PAV-B18-092920-0-1

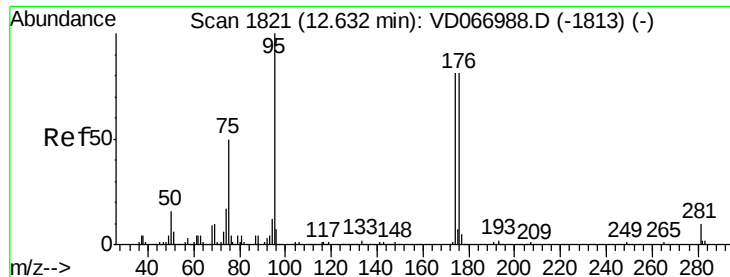
Tot Ion:117 Resp: 49670
Ion Ratio Lower Upper
117 100
119 5.4 78.7 118.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 48.438 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067085.D
Acq: 05 Oct 2020 15:57

Tgt Ion: 98 Resp: 1018667
Ion Ratio Lower Upper
98 100
100 66.5 52.8 79.2

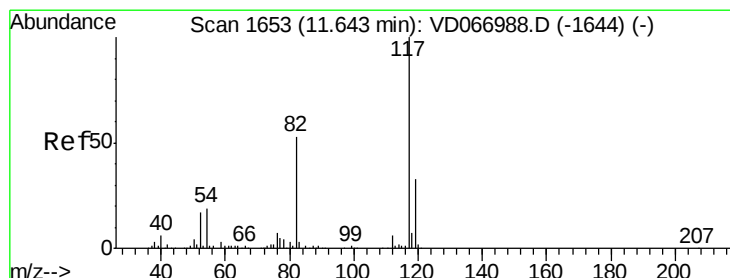
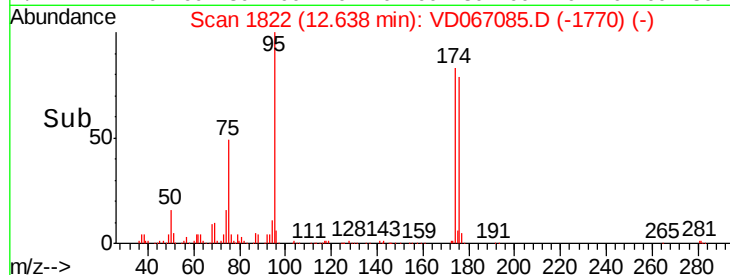
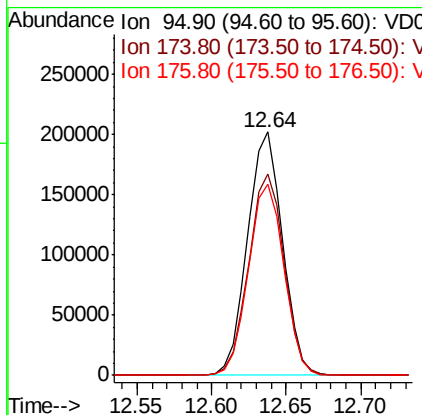
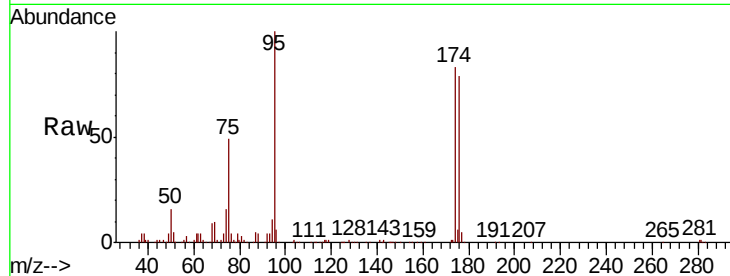




#62
4-Bromofluorobenzene
Concen: 45.888 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067085.D
Acq: 05 Oct 2020 15:57

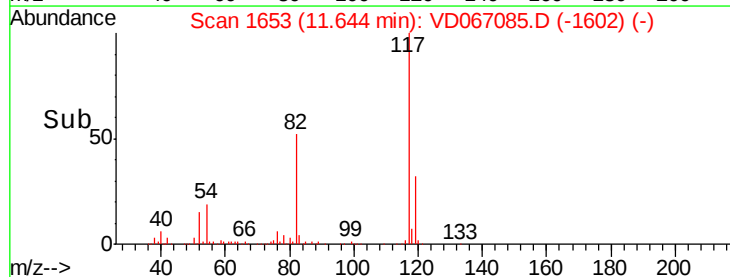
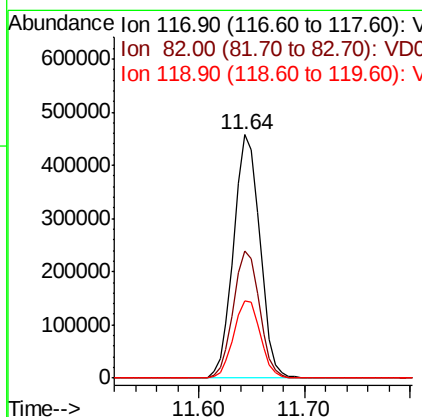
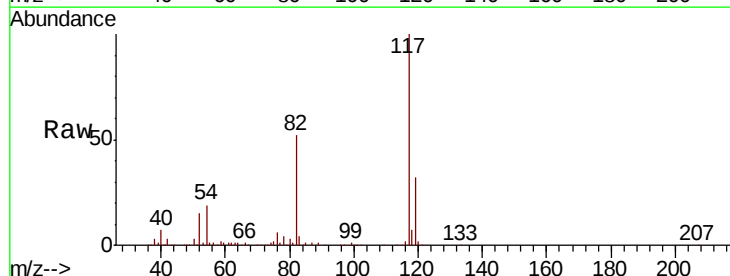
Instrument :
MSVOA_D
ClientSampleId :
PAV-B18-092920-0-1

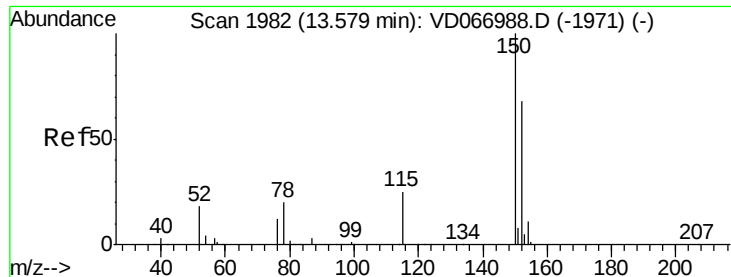
Tot Ion: 95 Resp: 327609
Ion Ratio Lower Upper
95 100
174 83.8 0.0 167.6
176 79.5 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067085.D
Acq: 05 Oct 2020 15:57

Tgt Ion: 117 Resp: 787185
Ion Ratio Lower Upper
117 100
82 52.3 42.6 63.8
119 31.5 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: VD067085.D

Acq: 05 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

PAV-B18-092920-0-1

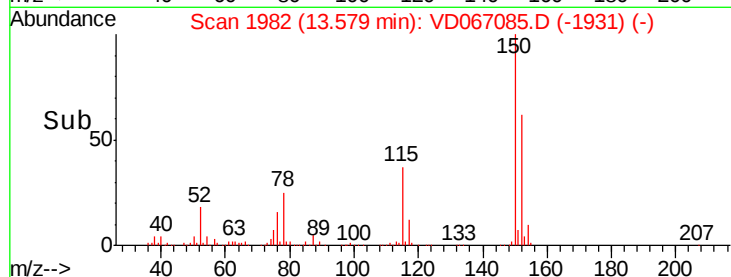
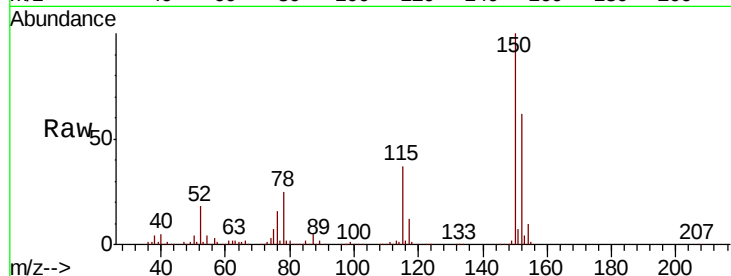
Tot Ion:152 Resp: 330904

Ion Ratio Lower Upper

152 100

115 59.6 29.6 88.8

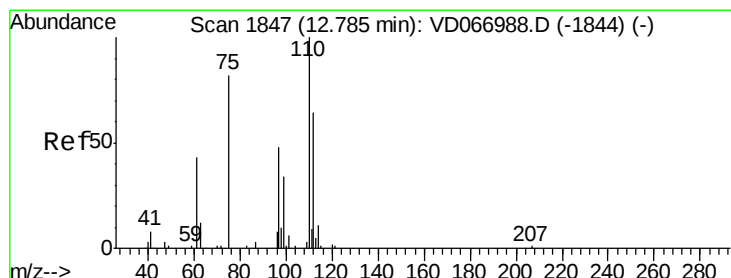
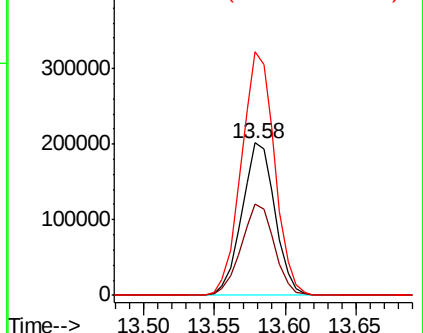
150 159.9 0.0 344.8



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: 56.160 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067085.D

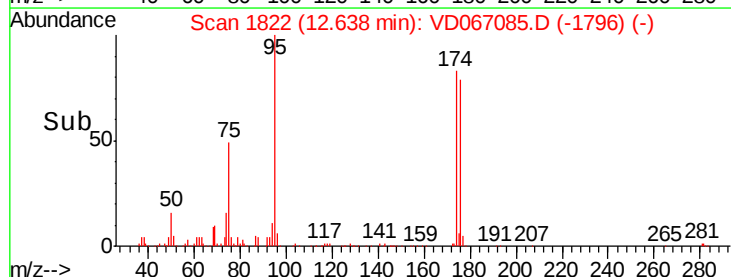
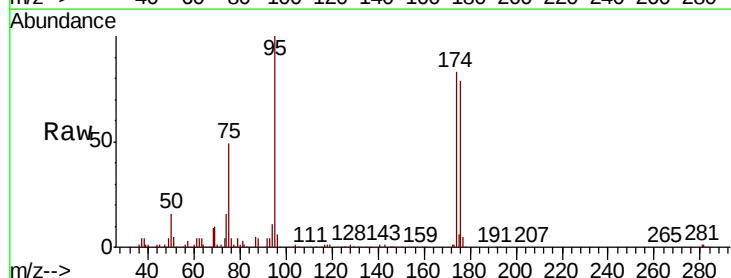
Acq: 05 Oct 2020 15:57

Tgt Ion: 75 Resp: 161869

Ion Ratio Lower Upper

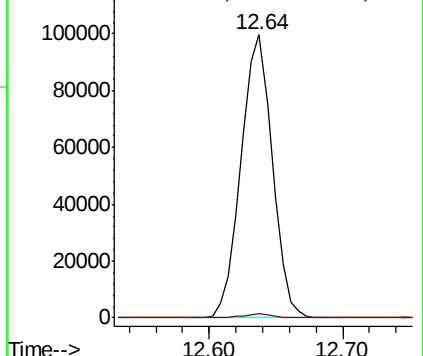
75 100

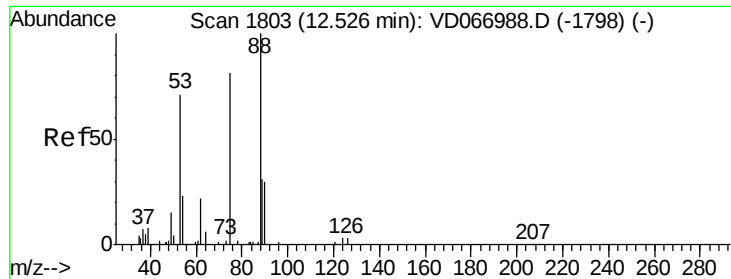
77 1.2 0.0 0.0#



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: 140.014 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067085.D

Acq: 05 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

PAV-B18-092920-0-1

Tot Ion: 75 Resp: 161869

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.0 38.9 58.3#

