

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067169.D
 Acq On : 08 Oct 2020 00:13
 Operator : VA/SY
 Sample : L4292-05
 Misc : 7.92G/5.00ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B13-100620-15-16

Quant Time: Oct 08 07:29:04 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	424261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	676904	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	618466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287727	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	200630	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
35) Dibromofluoromethane	7.92	113	217493	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
50) Toluene-d8	10.34	98	788954	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
62) 4-Bromofluorobenzene	12.64	95	263254	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	

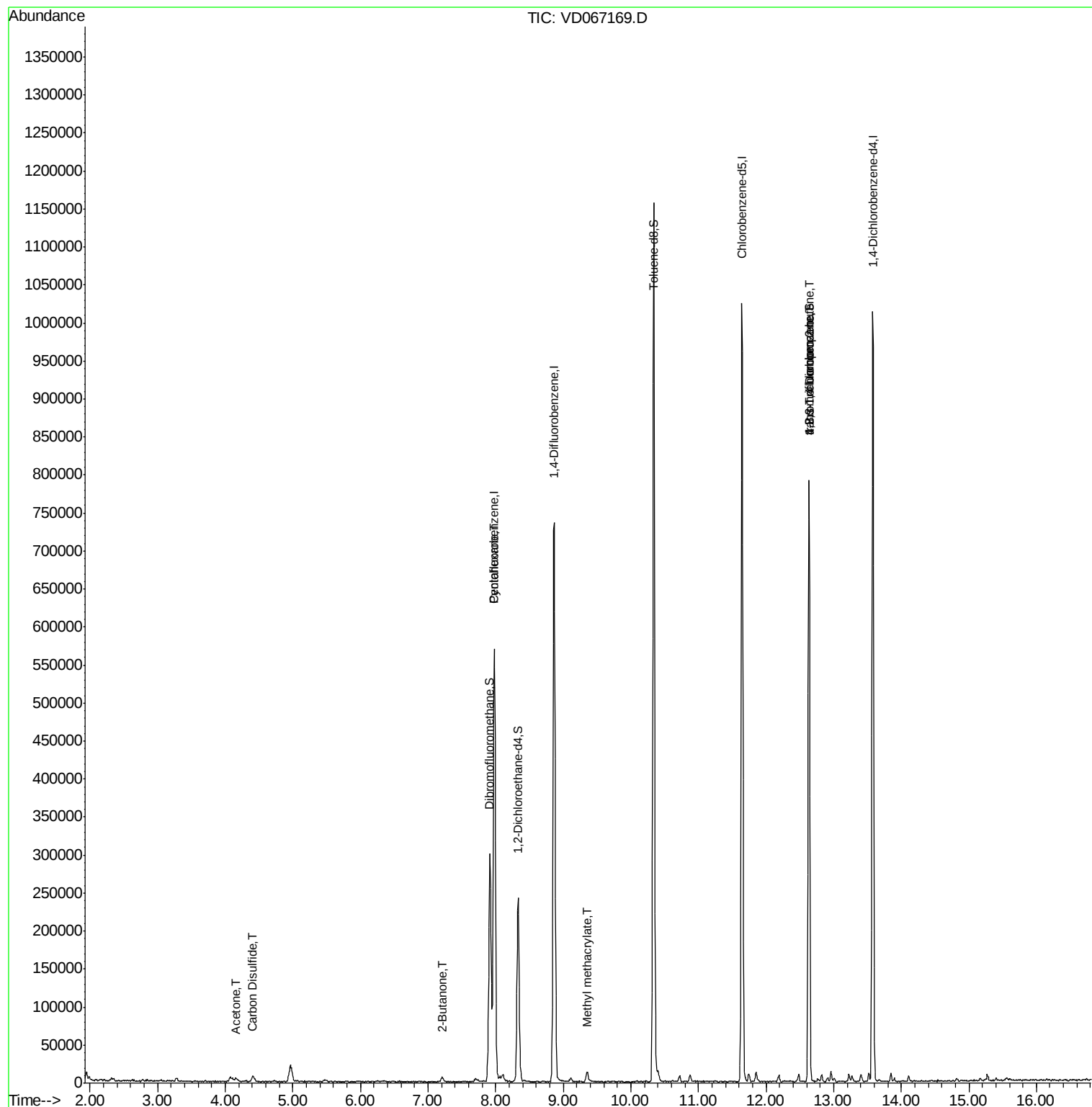
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	2628	Below Cal		80
5) Bromomethane	2.77	94	1228	Below Cal	#	72
11) Tert butyl alcohol	5.18	59	68	Below Cal	#	72
16) Acetone	4.17	43	8332	13.357	ug/l	96
17) Carbon Disulfide	4.41	76	17120	1.395	ug/l #	95
20) Methylene Chloride	4.96	84	18662	Below Cal	#	84
25) 2-Butanone	7.21	43	1184	1.339	ug/l #	88
26) 2,2-Dichloropropane	7.21	77	2438	Below Cal		99
31) Cyclohexane	7.98	56	10967	1.787	ug/l #	31
48) Methyl methacrylate	9.36	41	2878	1.395	ug/l #	52
76) 1,2,3-Trichloropropane	12.64	75	130155	51.933	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	130155	129.476	ug/l #	12

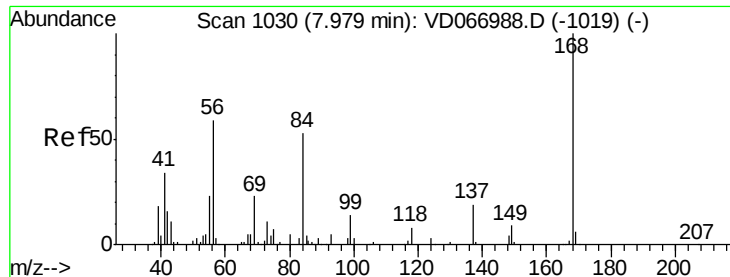
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100720\
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Quant Time: Oct 08 07:29:04 2020
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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: VD067169.D

Acq: 08 Oct 2020 00:13

Instrument :

MSVOA_D

ClientSampleId :

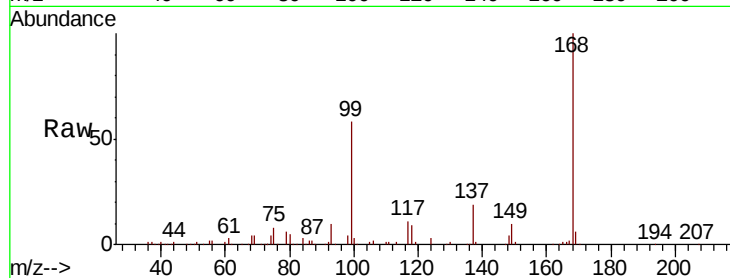
PAV-B13-100620-15-16

Tot Ion:168 Resp: 424261

Ion Ratio Lower Upper

168 100

99 57.2 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

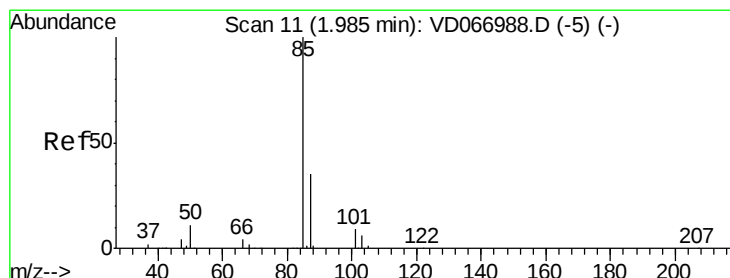
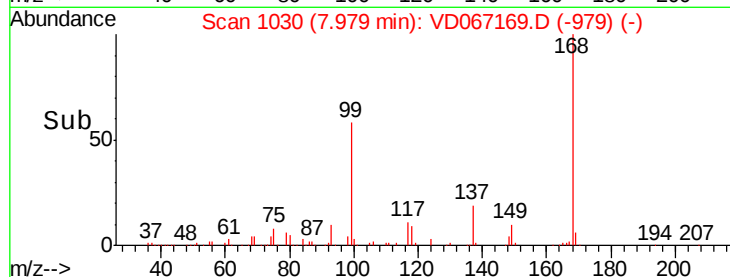
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067169.D

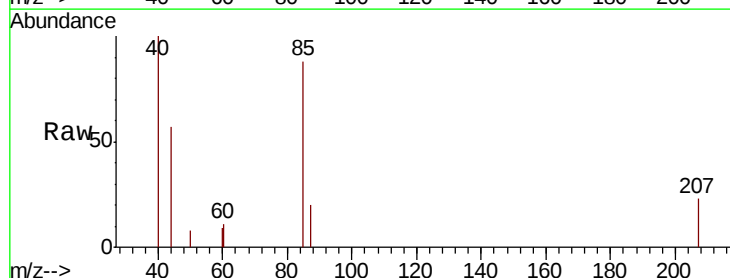
Acq: 08 Oct 2020 00:13

Tgt Ion: 85 Resp: 2628

Ion Ratio Lower Upper

85 100

87 22.9 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

2500

2000

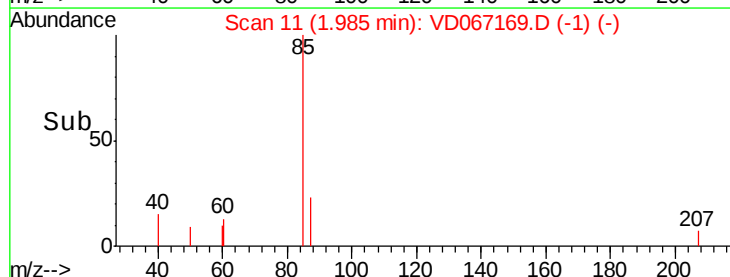
1500

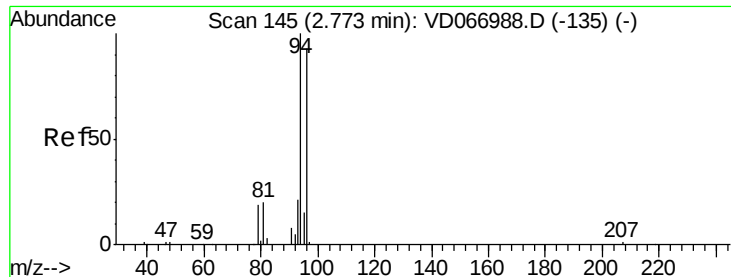
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067169.D

Acq: 08 Oct 2020 00:13

Instrument :

MSVOA_D

ClientSampleId :

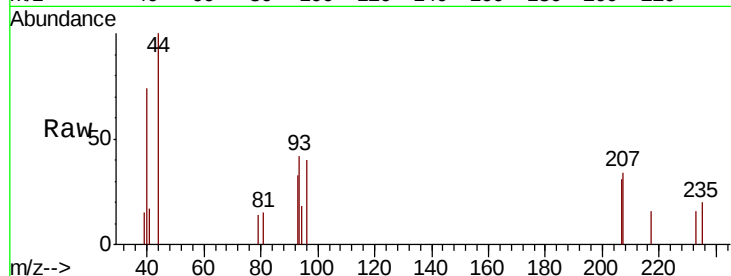
PAV-B13-100620-15-16

Tot Ion: 94 Resp: 1228

Ion Ratio Lower Upper

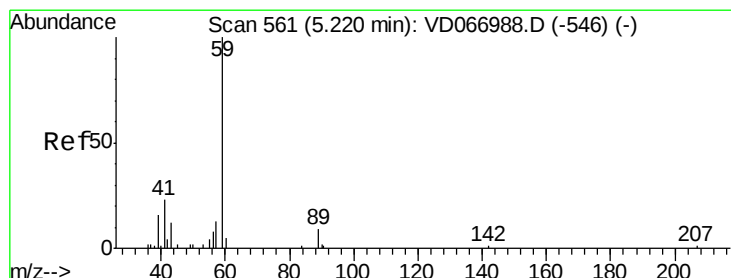
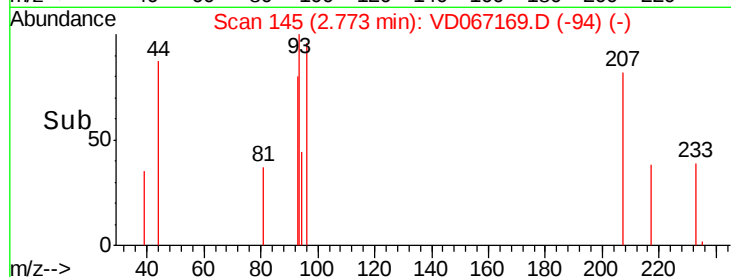
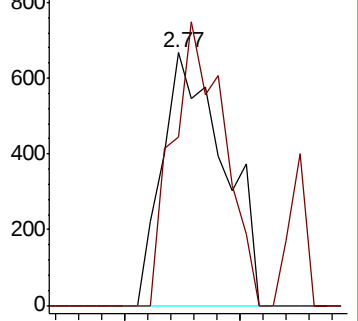
94 100

96 66.6 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 555

Delta R.T. -0.04 min

Lab File: VD067169.D

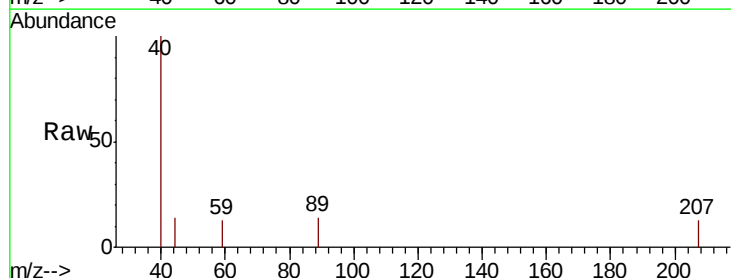
Acq: 08 Oct 2020 00:13

Tgt Ion: 59 Resp: 68

Ion Ratio Lower Upper

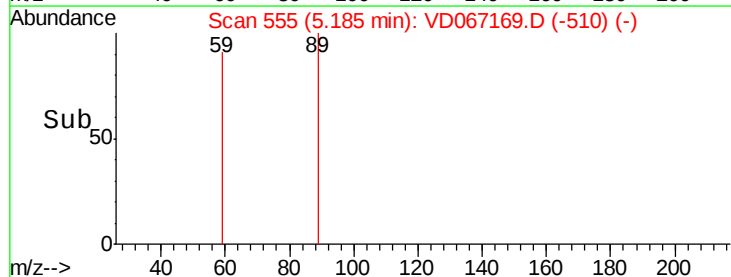
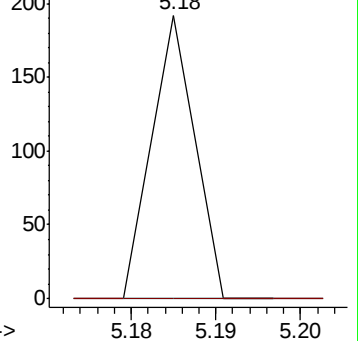
59 100

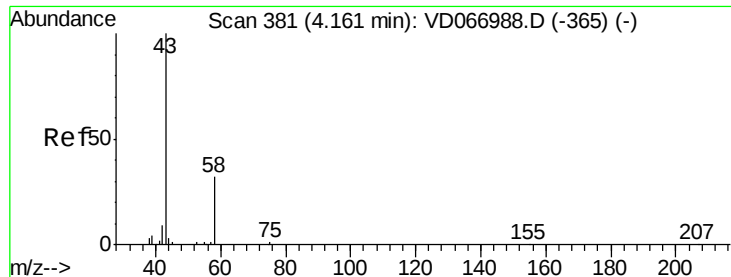
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 13.357 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067169.D

Acq: 08 Oct 2020 00:13

Instrument :

MSVOA_D

ClientSampleId :

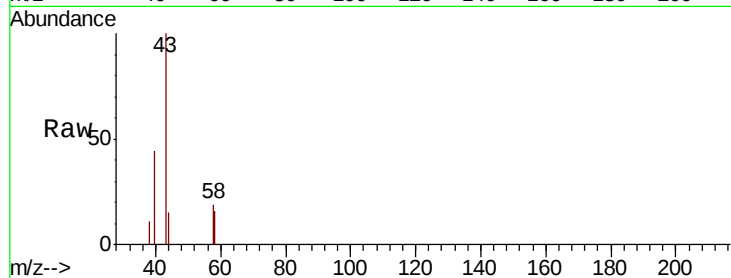
PAV-B13-100620-15-16

Tot Ion: 43 Resp: 8332

Ion Ratio Lower Upper

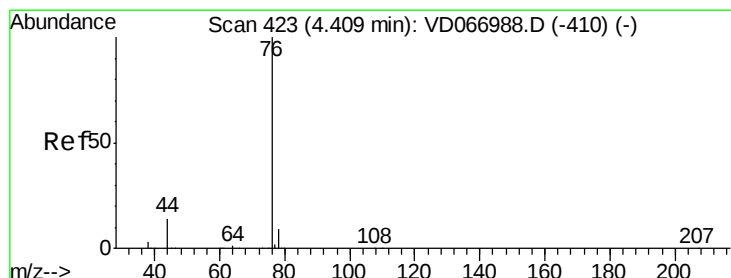
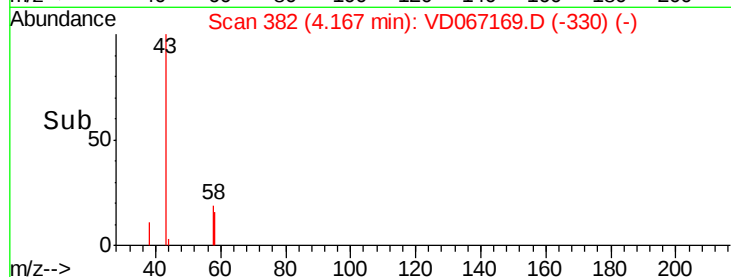
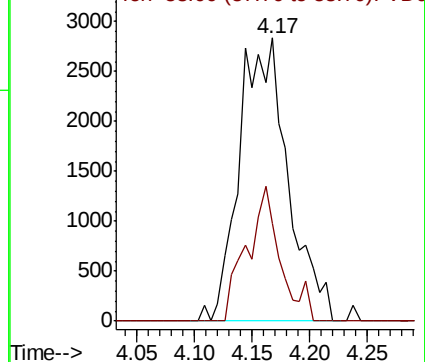
43 100

58 34.4 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: 1.395 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.01 min

Lab File: VD067169.D

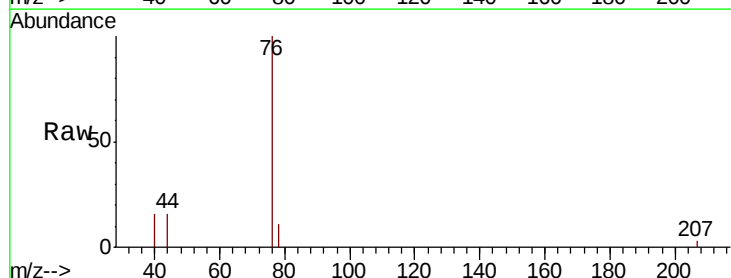
Acq: 08 Oct 2020 00:13

Tgt Ion: 76 Resp: 17120

Ion Ratio Lower Upper

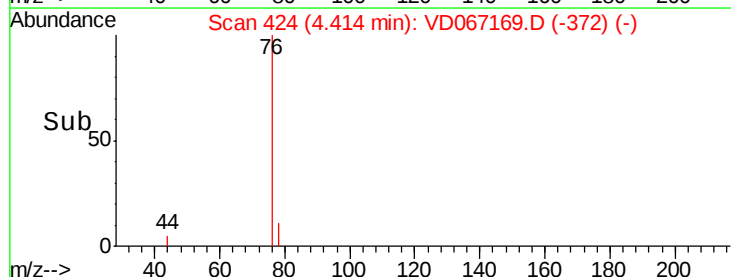
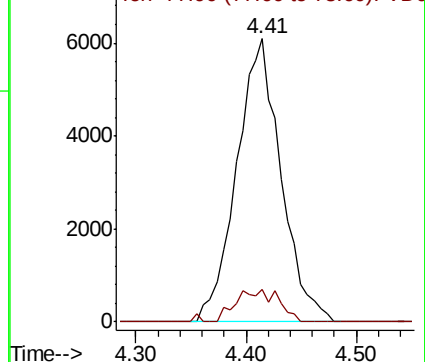
76 100

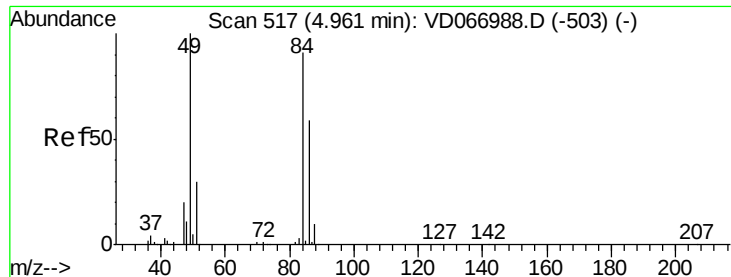
78 11.3 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

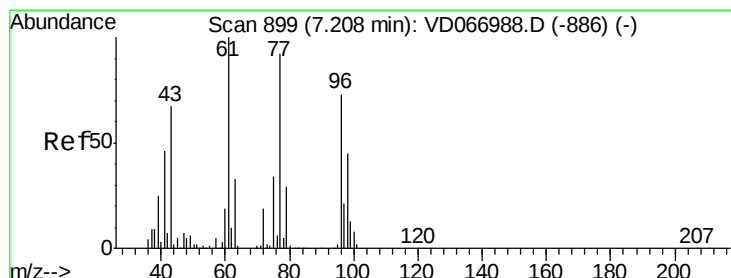
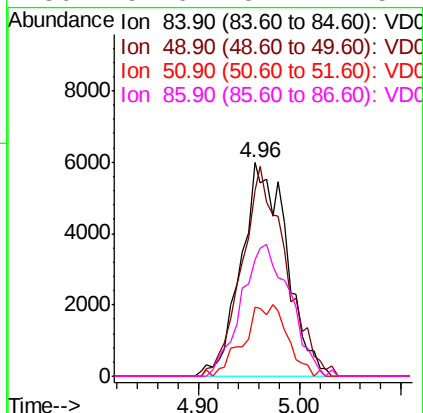
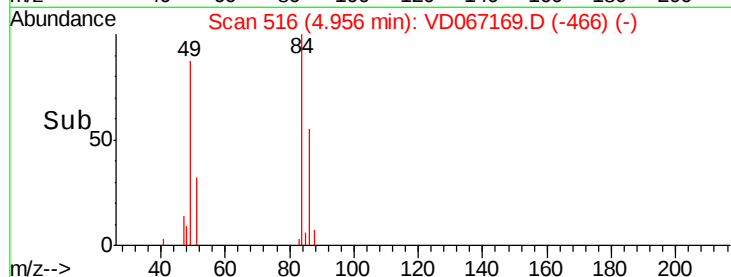
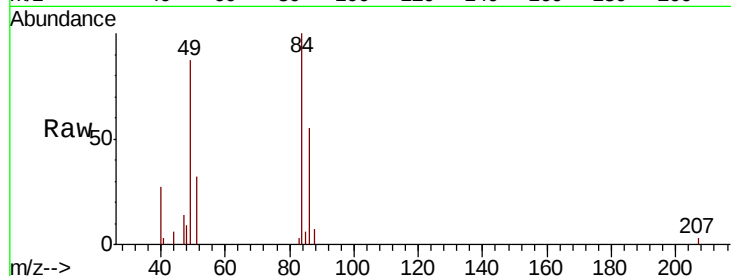




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD067169.D
Acq: 08 Oct 2020 00:13

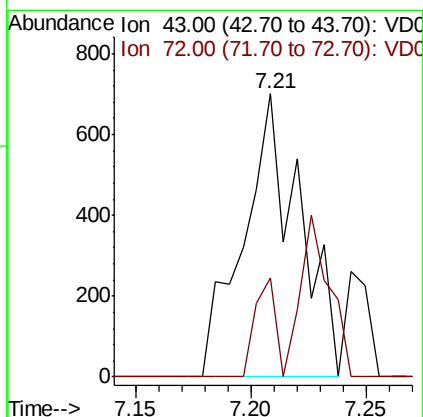
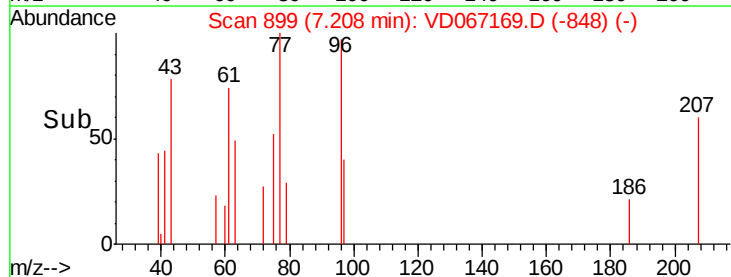
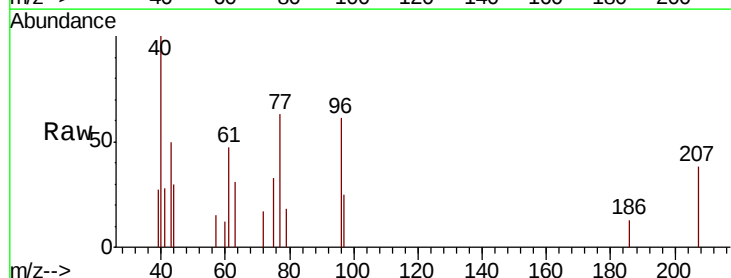
Instrument :
MSVOA_D
ClientSampleId :
PAV-B13-100620-15-16

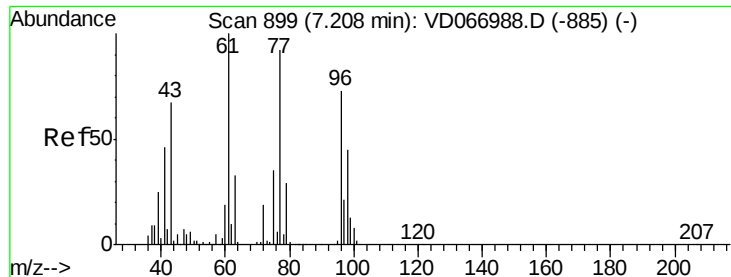
Tot Ion: 84 Resp: 18662
Ion Ratio Lower Upper
84 100
49 86.6 88.2 132.2#
51 32.2 26.6 39.8
86 54.6 52.1 78.1



#25
2-Butanone
Concen: 1.339 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067169.D
Acq: 08 Oct 2020 00:13

Tgt Ion: 43 Resp: 1184
Ion Ratio Lower Upper
43 100
72 35.1 22.8 34.2#

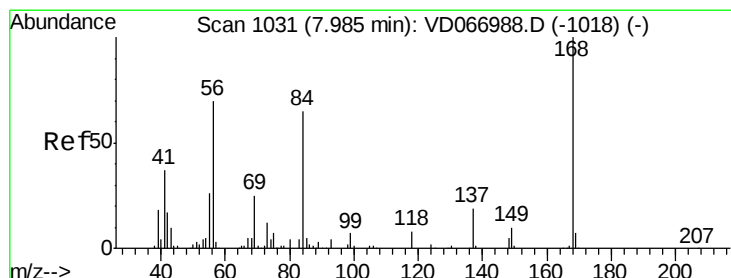
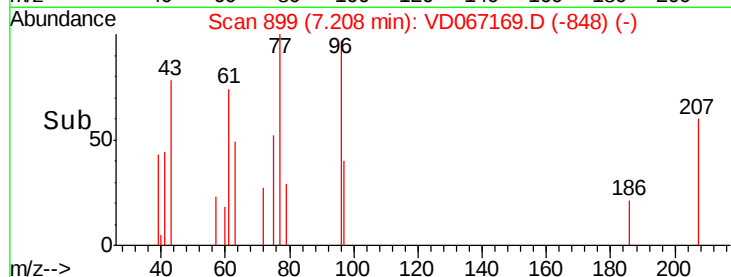
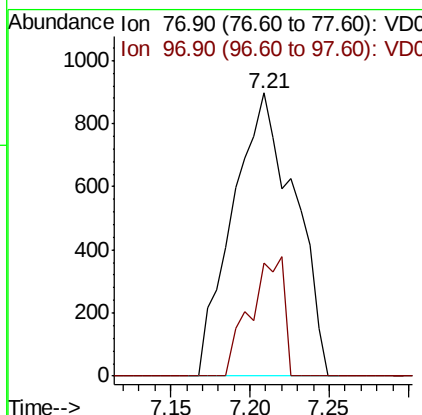
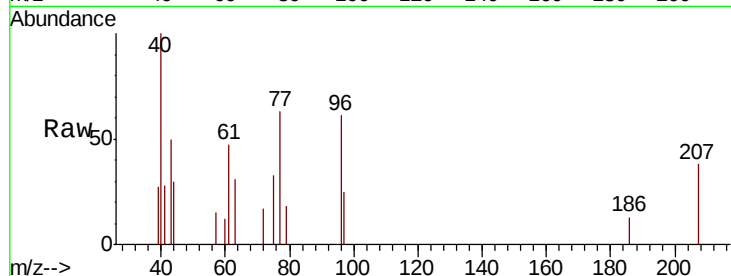




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067169.D
Acq: 08 Oct 2020 00:13

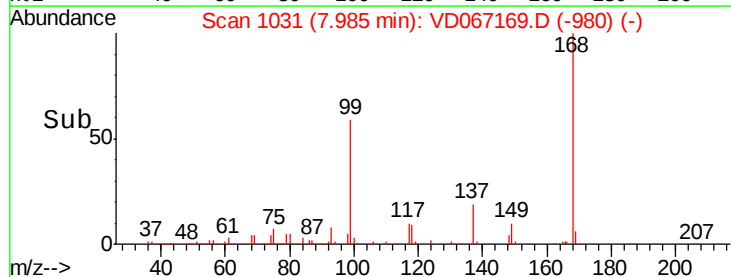
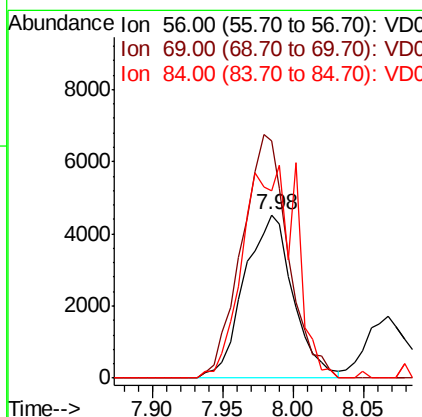
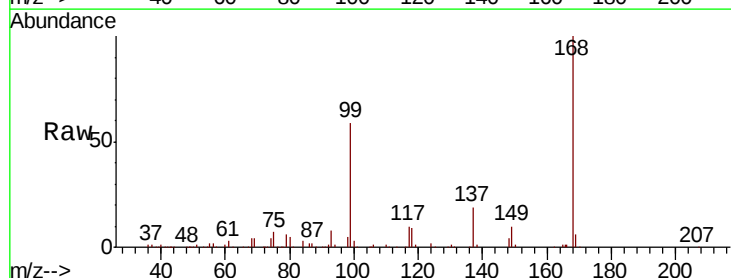
Instrument :
MSVOA_D
ClientSampleId :
PAV-B13-100620-15-16

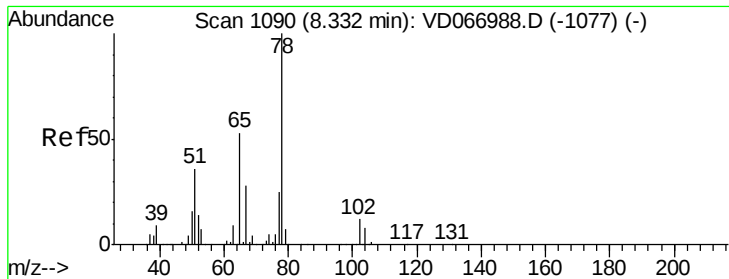
Tot Ion: 77 Resp: 2438
Ion Ratio Lower Upper
77 100
97 23.2 11.4 34.2



#31
Cyclohexane
Concen: 1.787 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067169.D
Acq: 08 Oct 2020 00:13

Tgt Ion: 56 Resp: 10967
Ion Ratio Lower Upper
56 100
69 145.1 29.0 43.6#
84 115.0 74.2 111.2#

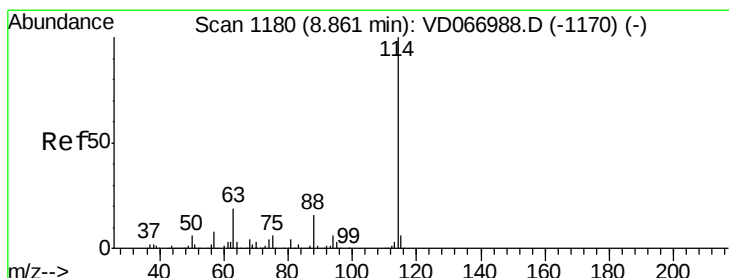
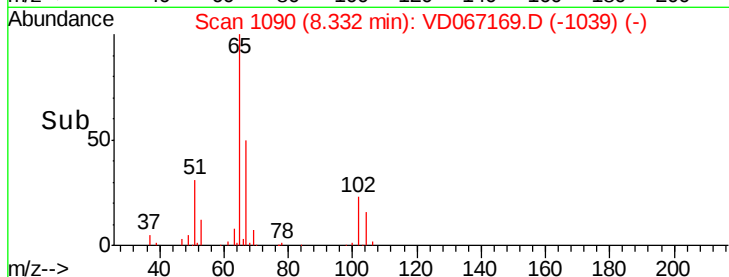
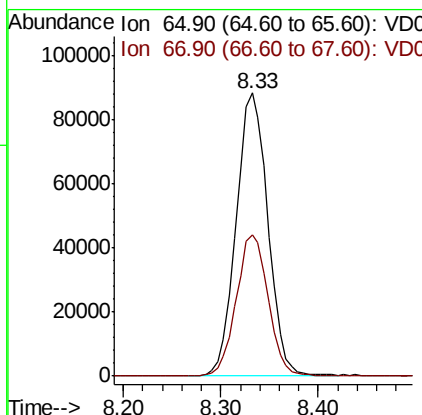
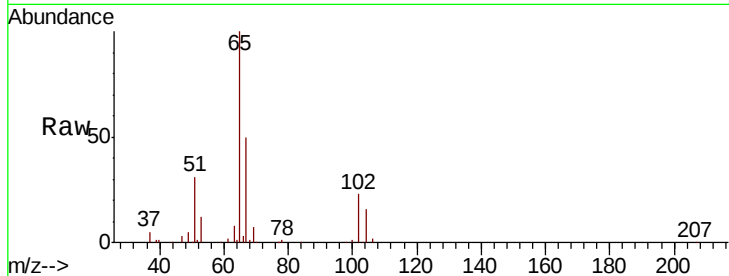




#33
 1,2-Dichloroethane-d4
 Concen: 49.096 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067169.D
 Acq: 08 Oct 2020 00:13

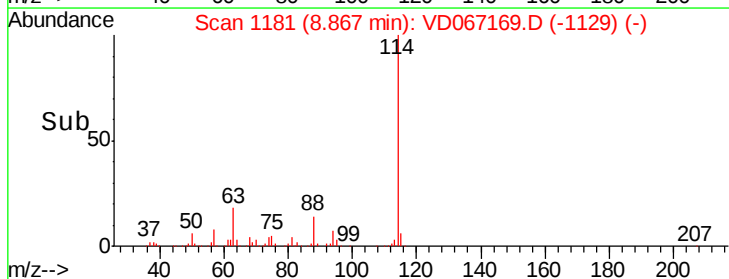
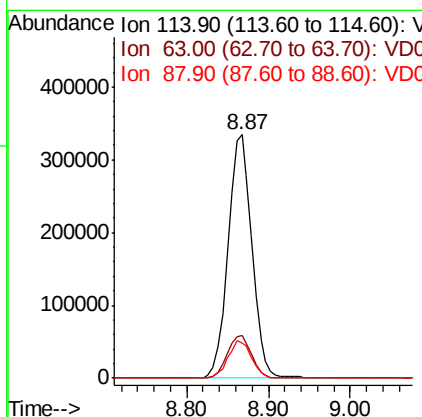
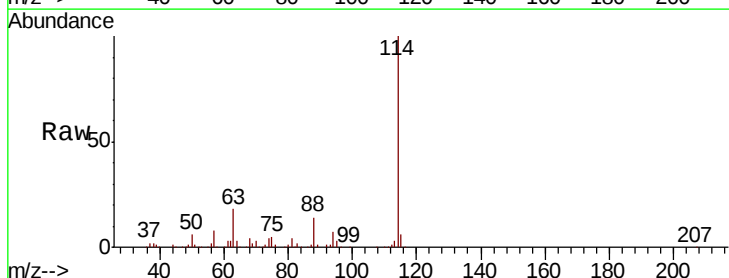
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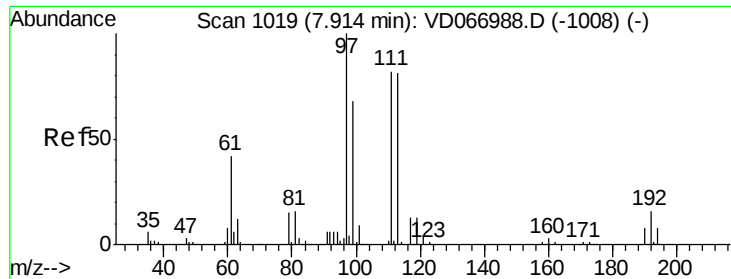
Tot Ion: 65 Resp: 200630
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067169.D
 Acq: 08 Oct 2020 00:13

Tgt Ion: 114 Resp: 676904
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 38.4
 88 14.5 0.0 31.2

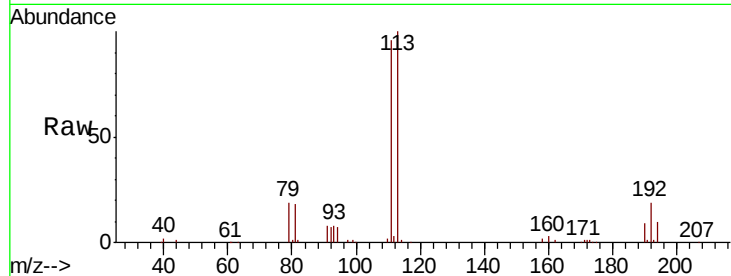




#35
 Dibromofluoromethane
 Concen: 49.078 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067169.D
 Acq: 08 Oct 2020 00:13

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B13-100620-15-16

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	83.0	124.4
192	19.6	15.5	23.3

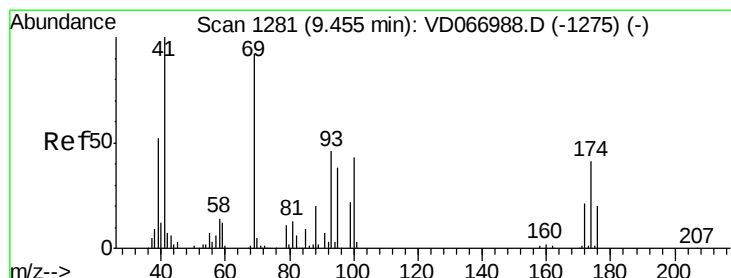
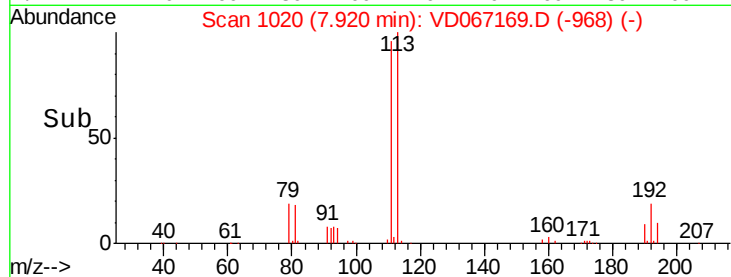
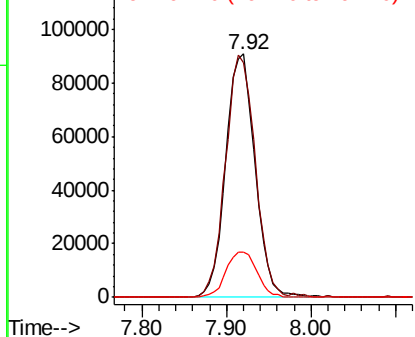


Abundance

Ion 112.80 (112.50 to 113.50): V

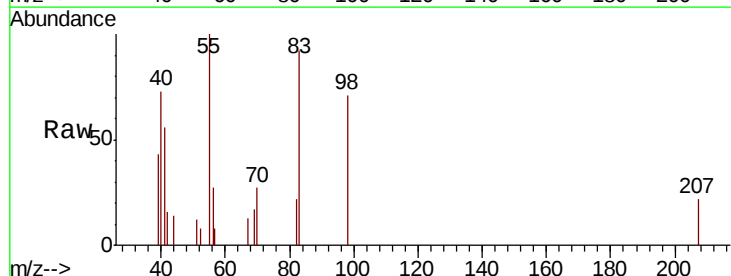
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#48
 Methyl methacrylate
 Concen: 1.395 ug/l
 RT: 9.36 min Scan# 1264
 Delta R.T. -0.10 min
 Lab File: VD067169.D
 Acq: 08 Oct 2020 00:13

Tgt Ion	Ratio	Lower	Upper
41	100		
69	36.6	68.5	102.7#
39	77.0	40.2	60.2#

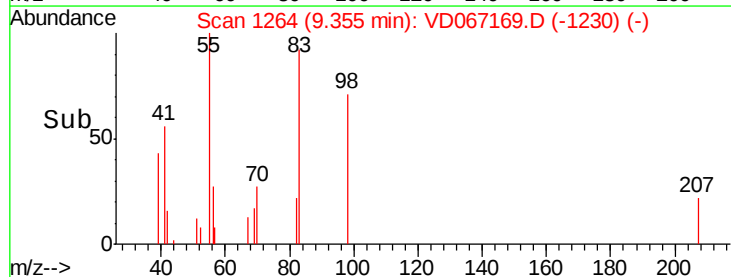
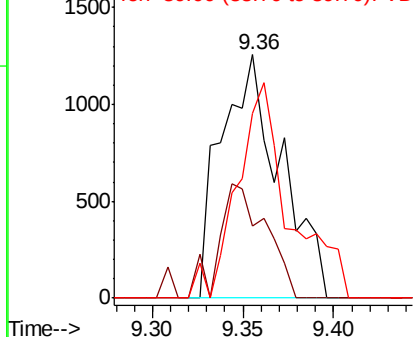


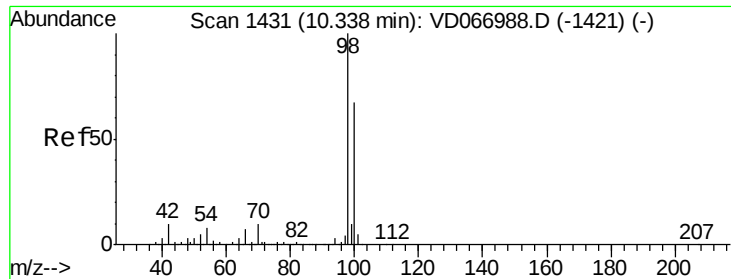
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

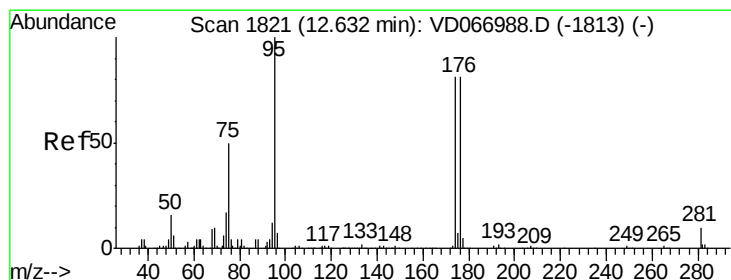
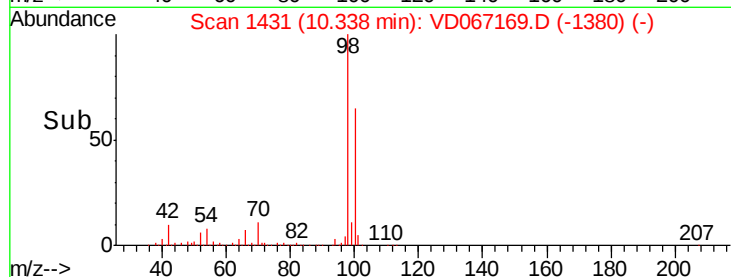
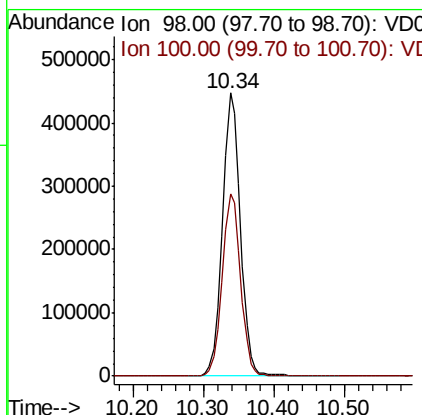
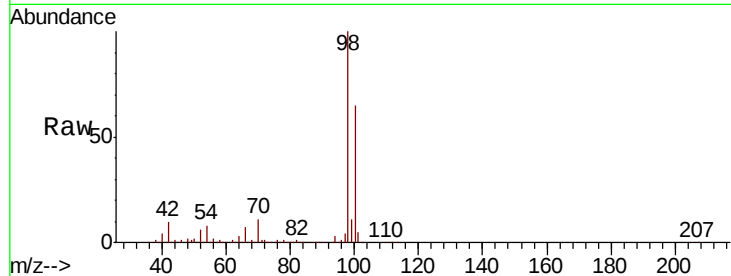




#50
Toluene-d8
Concen: 48.857 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067169.D
Acq: 08 Oct 2020 00:13

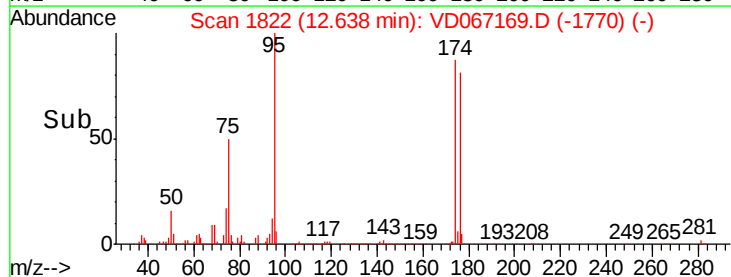
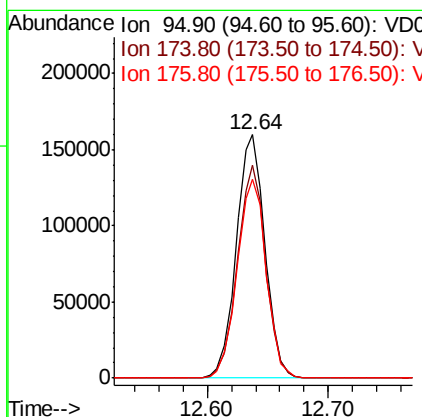
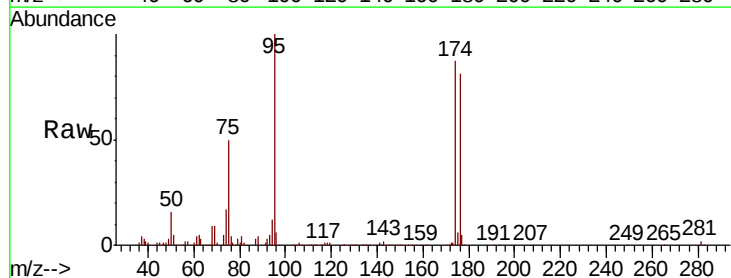
Instrument :
MSVOA_D
ClientSampleId :
PAV-B13-100620-15-16

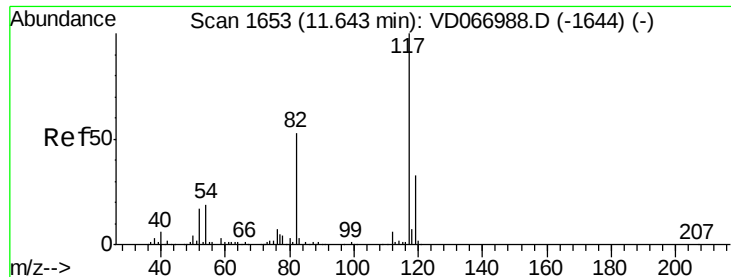
Tot Ion: 98 Resp: 788954
Ion Ratio Lower Upper
98 100
100 65.8 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 48.022 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067169.D
Acq: 08 Oct 2020 00:13

Tgt Ion: 95 Resp: 263254
Ion Ratio Lower Upper
95 100
174 86.1 0.0 167.6
176 83.3 0.0 162.4

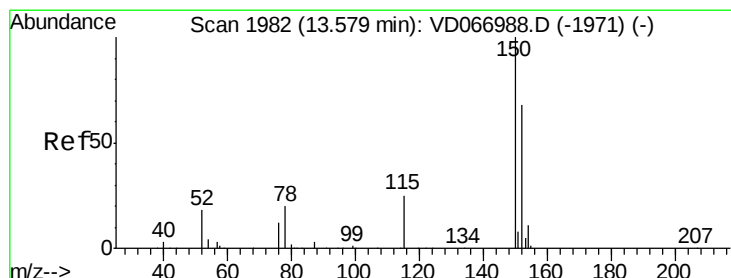
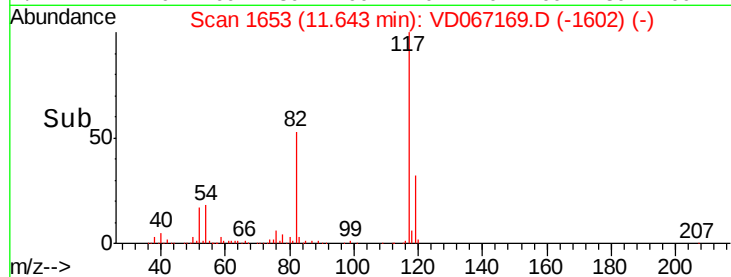
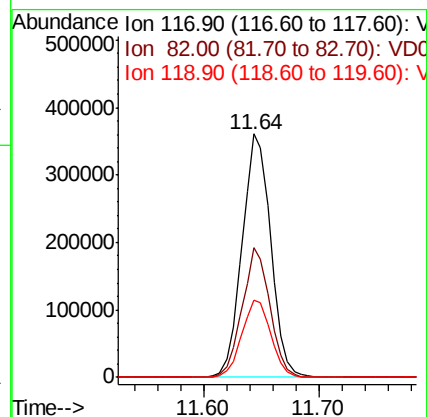
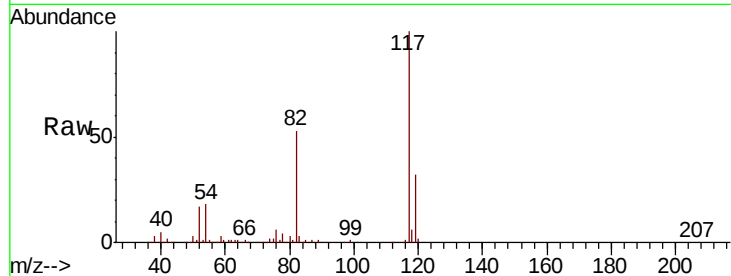




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067169.D
Acq: 08 Oct 2020 00:13

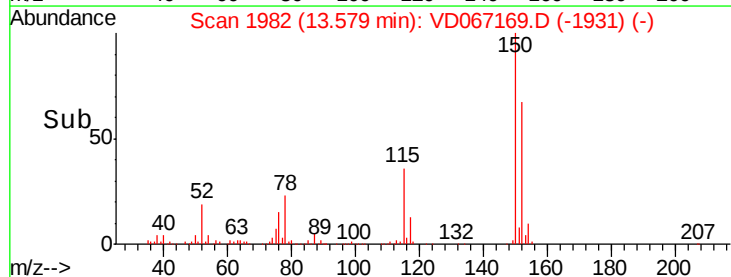
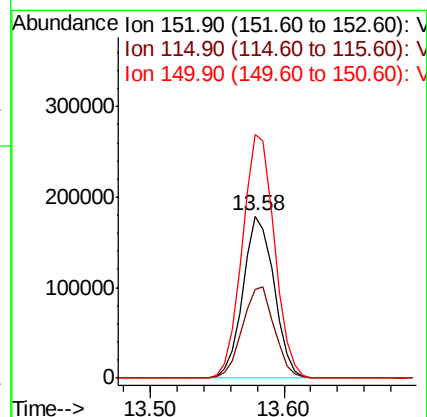
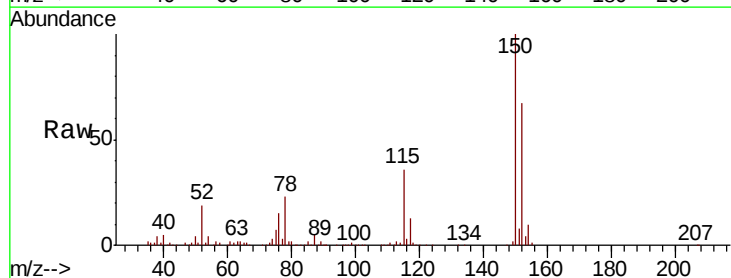
Instrument :
MSVOA_D
ClientSampleId :
PAV-B13-100620-15-16

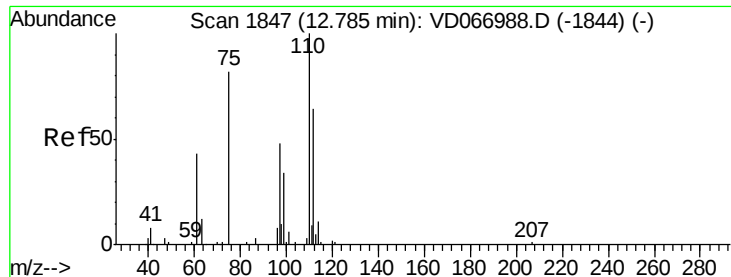
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.6	63.8
119	31.9	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067169.D
Acq: 08 Oct 2020 00:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.6	88.8
150	155.3	0.0	344.8





#76

1,2,3-Trichloropropane

Concen: 51.933 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067169.D

Acq: 08 Oct 2020 00:13

Instrument :

MSVOA_D

ClientSampleId :

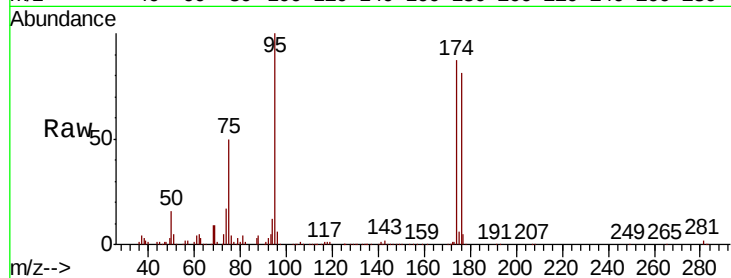
PAV-B13-100620-15-16

Tot Ion: 75 Resp: 130155

Ion Ratio Lower Upper

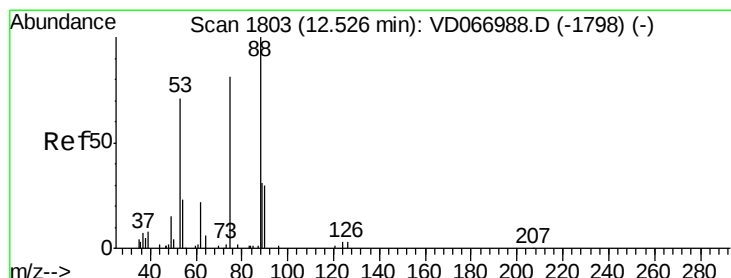
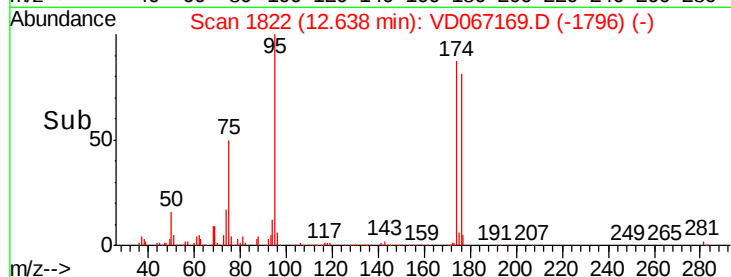
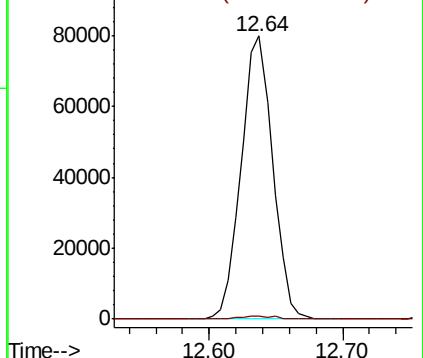
75 100

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: 129.476 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067169.D

Acq: 08 Oct 2020 00:13

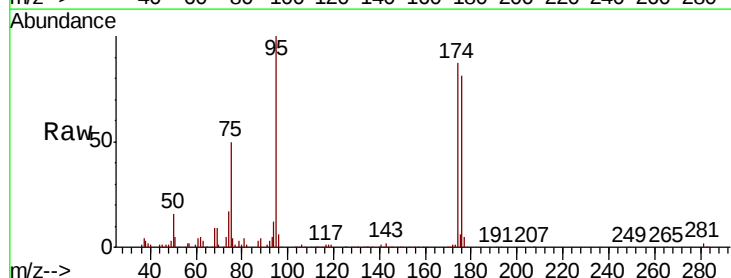
Tgt Ion: 75 Resp: 130155

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 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

