

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100520\
 Data File : VD067087.D
 Acq On : 05 Oct 2020 16:52
 Operator : VA/SY
 Sample : L4190-19
 Misc : 5.92G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B18-092920-DP

Quant Time: Oct 06 07:19:06 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	493822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	844311	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	746867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	295444	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	238580	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
35) Dibromofluoromethane	7.91	113	268639	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
50) Toluene-d8	10.34	98	970645	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
62) 4-Bromofluorobenzene	12.64	95	299964	43.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.74%	

Target Compounds

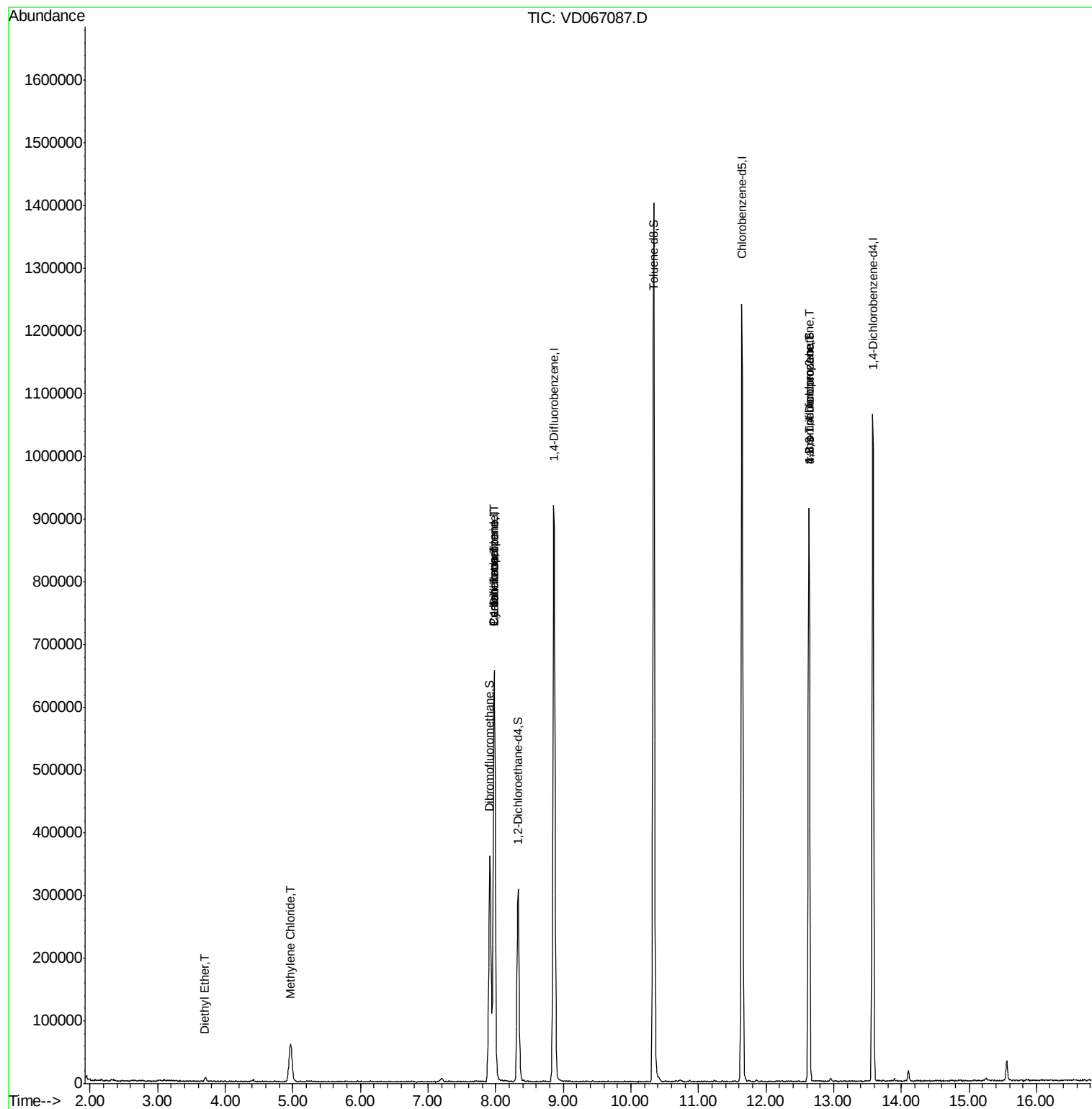
					Qvalue
2) Dichlorodifluoromethane	1.99	85	409	Below Cal	# 40
5) Bromomethane	2.80	94	491	Below Cal	# 3
8) Diethyl Ether	3.70	74	3727	1.715	ug/l 94
11) Tert butyl alcohol	5.21	59	853	Below Cal	# 72
20) Methylene Chloride	4.97	84	51593	3.205	ug/l 96
26) 2,2-Dichloropropane	7.19	77	668	Below Cal	# 53
31) Cyclohexane	7.98	56	9348	1.309	ug/l # 1
36) 1,1-Dichloropropene	7.98	75	36776	4.673	ug/l # 49
38) Carbon Tetrachloride	7.98	117	47983	5.635	ug/l # 15
76) 1,2,3-Trichloropropane	12.64	75	145960	56.718	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.64	75	145960	141.406	ug/l # 12

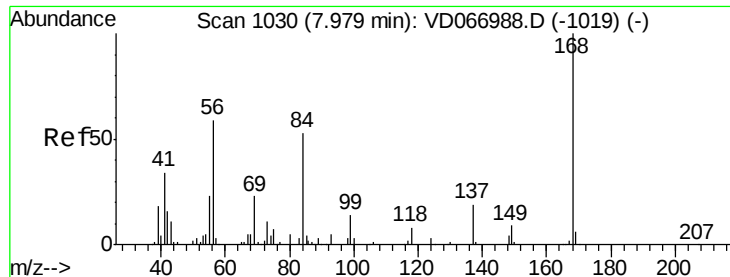
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100520\
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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: VD067087.D

Acq: 05 Oct 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

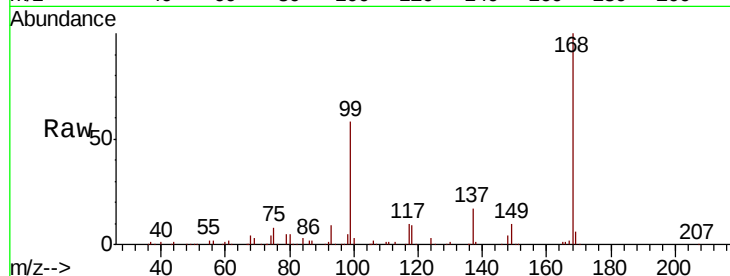
PAV-B18-092920-DP

Tot Ion:168 Resp: 493822

Ion Ratio Lower Upper

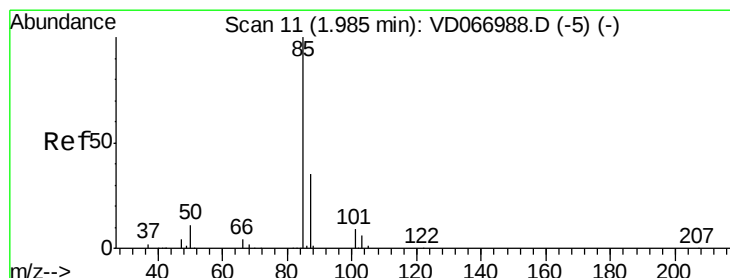
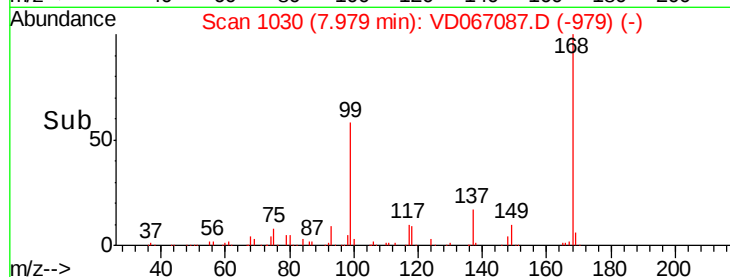
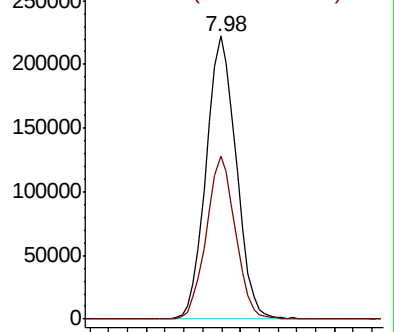
168 100

99 57.7 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067087.D

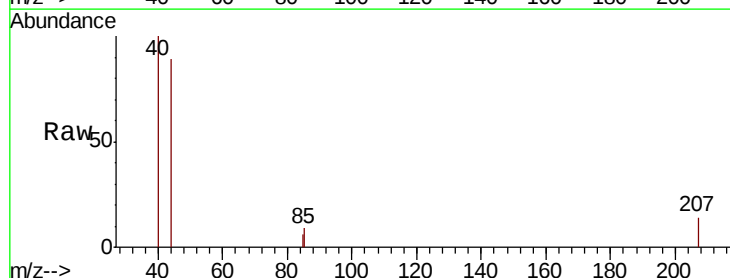
Acq: 05 Oct 2020 16:52

Tgt Ion: 85 Resp: 409

Ion Ratio Lower Upper

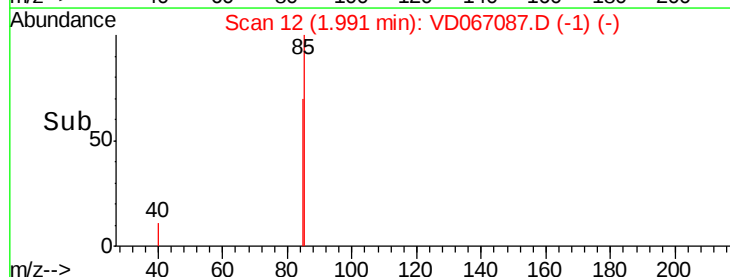
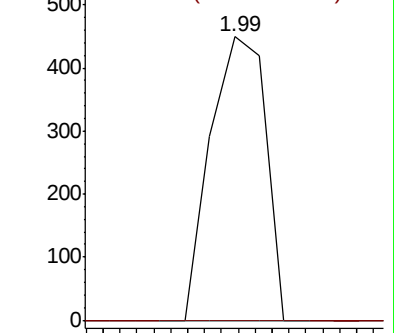
85 100

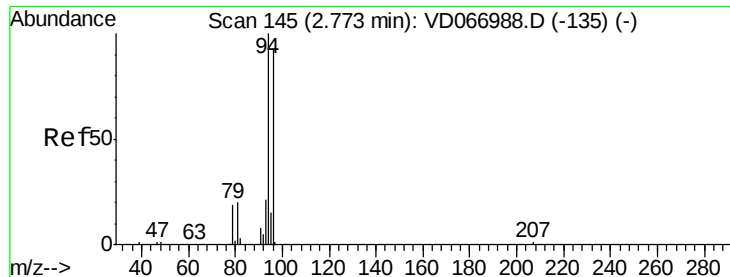
87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.80 min Scan# 149

Delta R.T. 0.02 min

Lab File: VD067087.D

Acq: 05 Oct 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

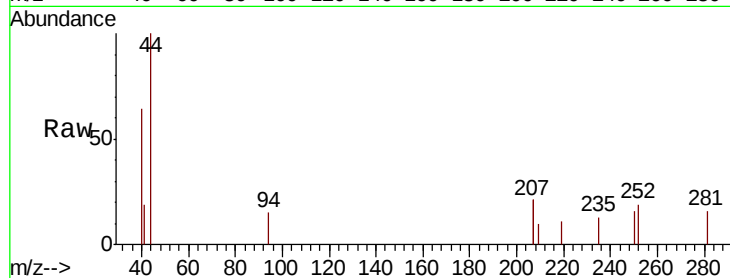
PAV-B18-092920-DP

Tot Ion: 94 Resp: 491

Ion Ratio Lower Upper

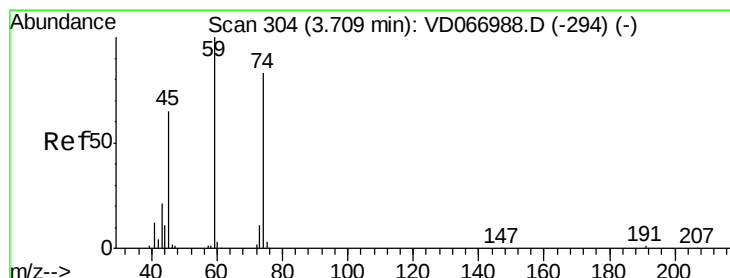
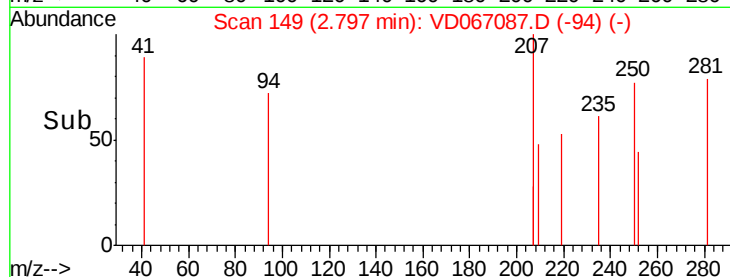
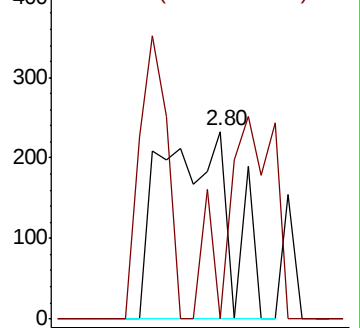
94 100

96 0.0 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: 1.715 ug/l

RT: 3.70 min Scan# 302

Delta R.T. -0.01 min

Lab File: VD067087.D

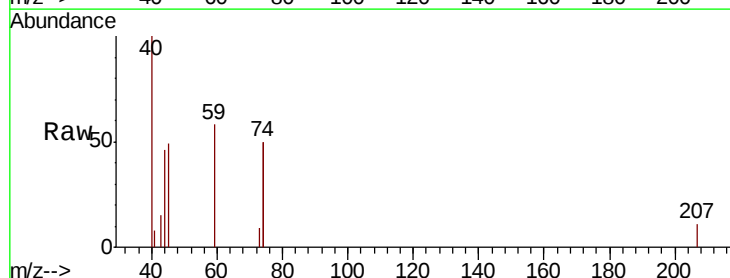
Acq: 05 Oct 2020 16:52

Tgt Ion: 74 Resp: 3727

Ion Ratio Lower Upper

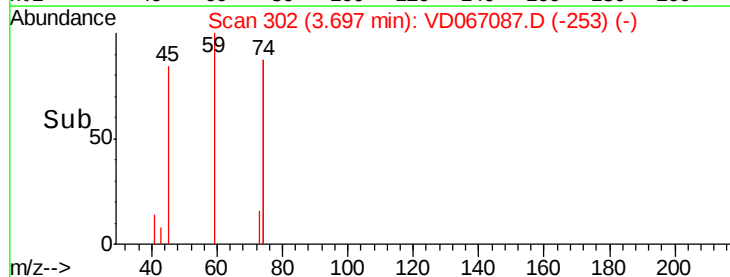
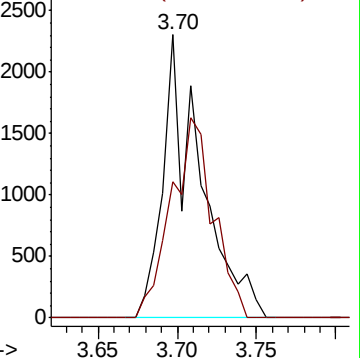
74 100

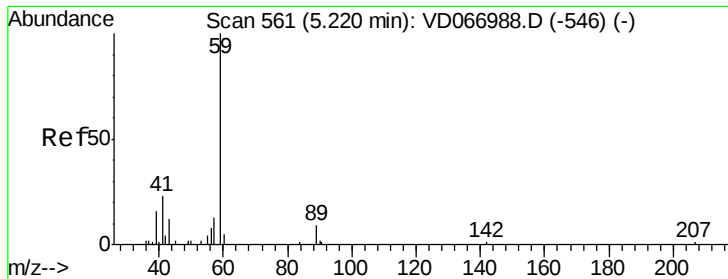
45 80.3 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



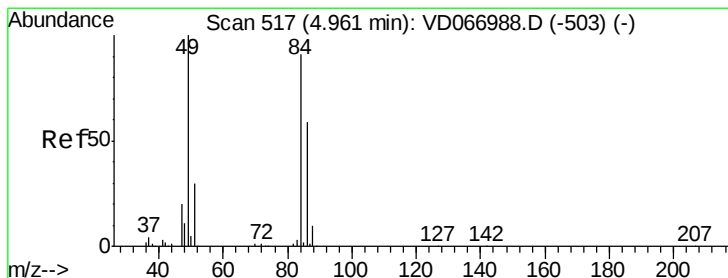
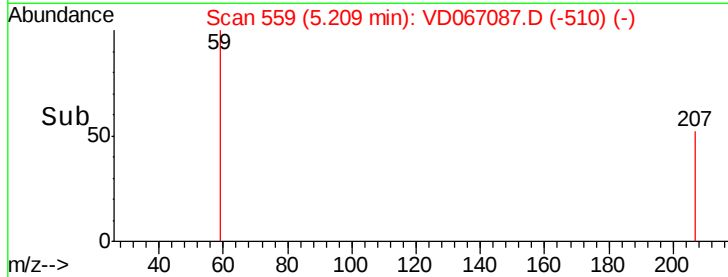
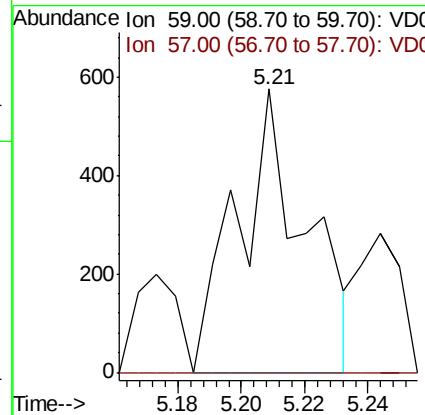
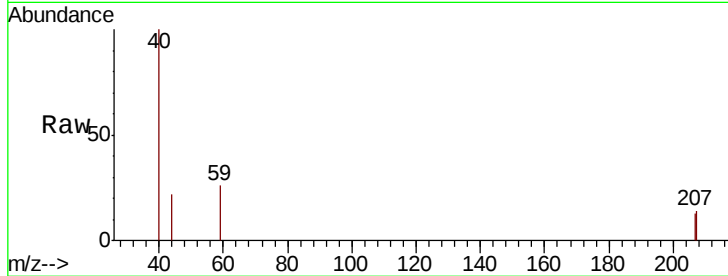


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD067087.D
 Acq: 05 Oct 2020 16:52

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B18-092920-DP

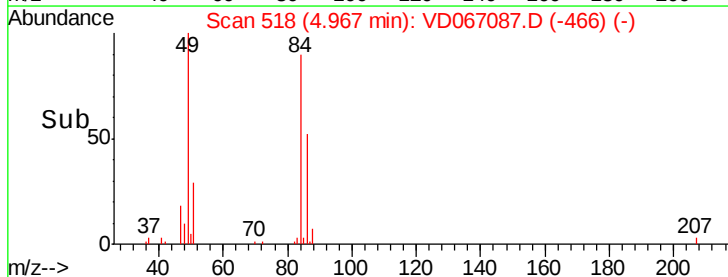
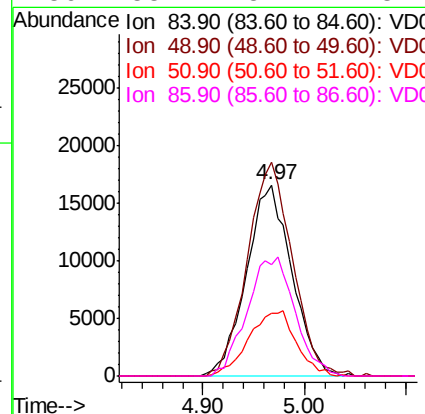
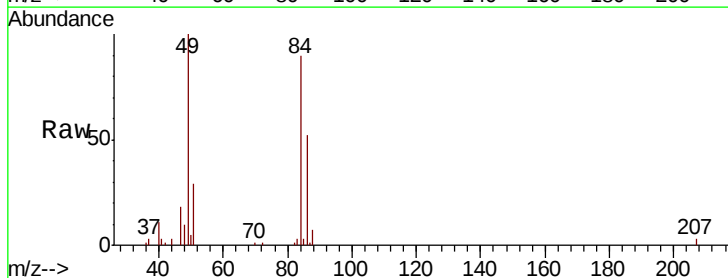
Tot Ion: 59 Resp: 853
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

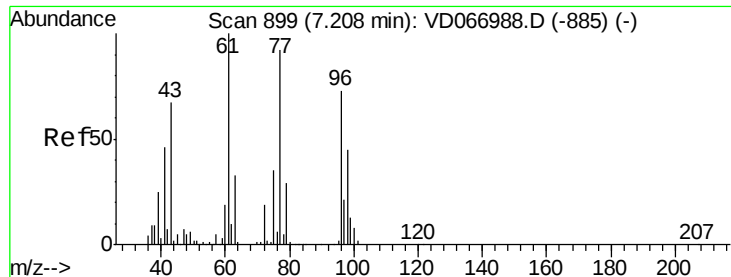


#20

Methylene Chloride
 Concen: 3.205 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD067087.D
 Acq: 05 Oct 2020 16:52

Tgt Ion: 84 Resp: 51593
 Ion Ratio Lower Upper
 84 100
 49 111.7 88.2 132.2
 51 32.8 26.6 39.8
 86 58.1 52.1 78.1

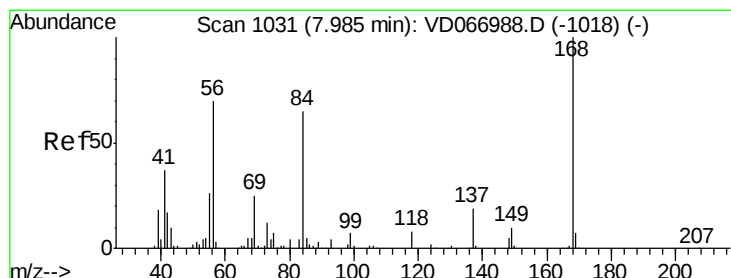
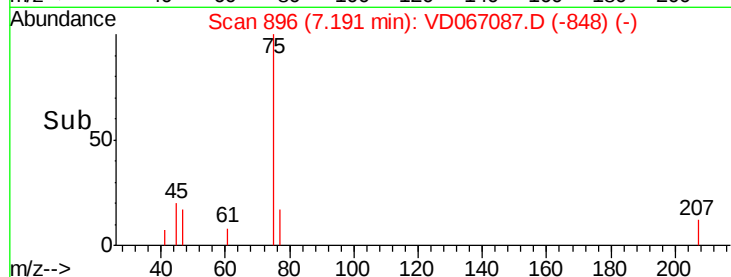
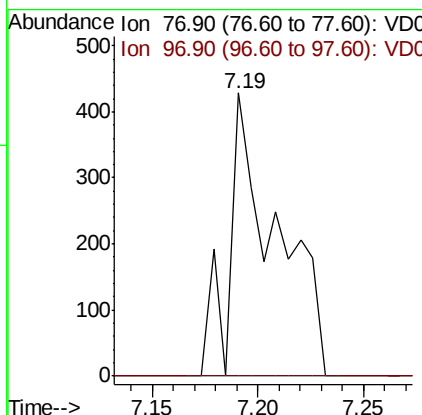
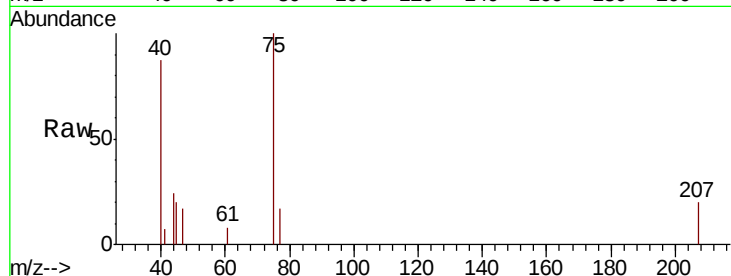




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.19 min Scan# 896
 Delta R.T. -0.02 min
 Lab File: VD067087.D
 Acq: 05 Oct 2020 16:52

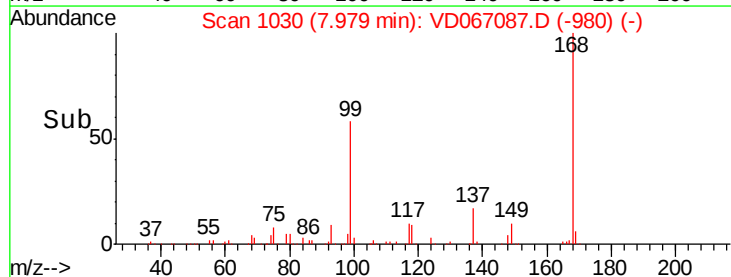
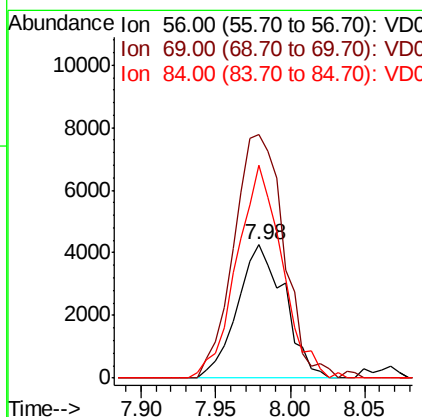
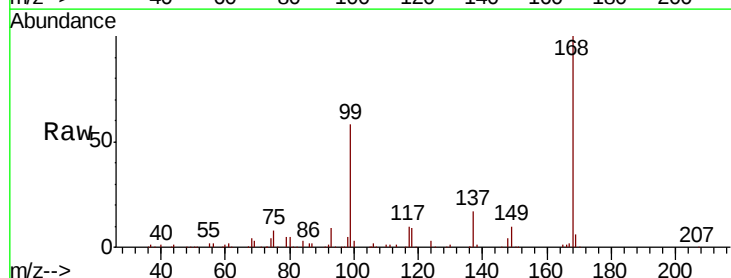
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B18-092920-DP

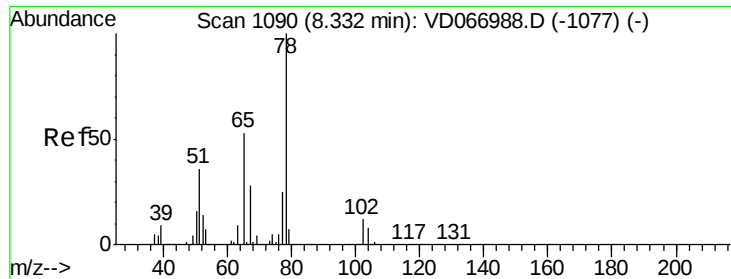
Tot Ion: 77 Resp: 668
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.4 34.2#



#31
 Cyclohexane
 Concen: 1.309 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VD067087.D
 Acq: 05 Oct 2020 16:52

Tgt Ion: 56 Resp: 9348
 Ion Ratio Lower Upper
 56 100
 69 183.1 29.0 43.6#
 84 159.7 74.2 111.2#

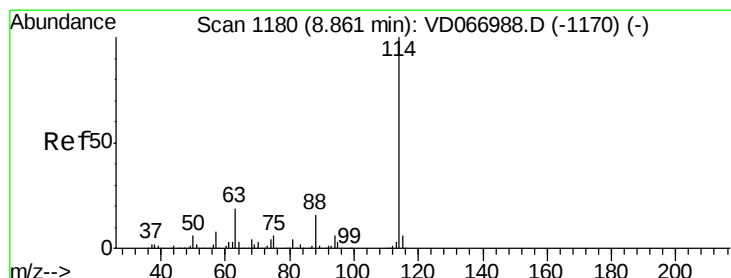
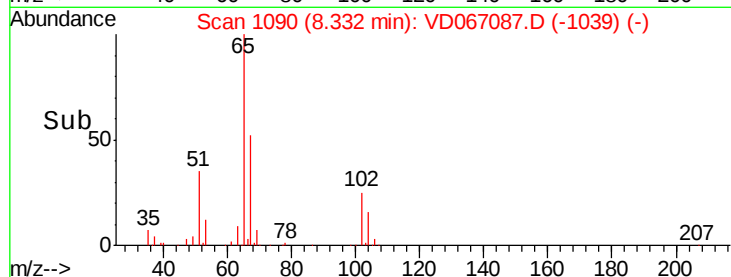
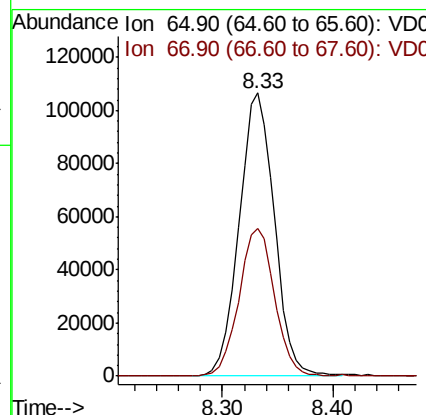
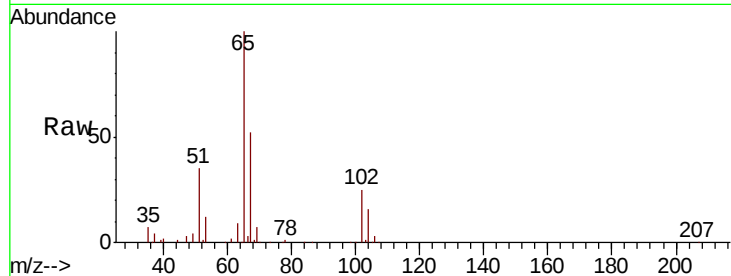




#33
 1,2-Dichloroethane-d4
 Concen: 50.159 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067087.D
 Acq: 05 Oct 2020 16:52

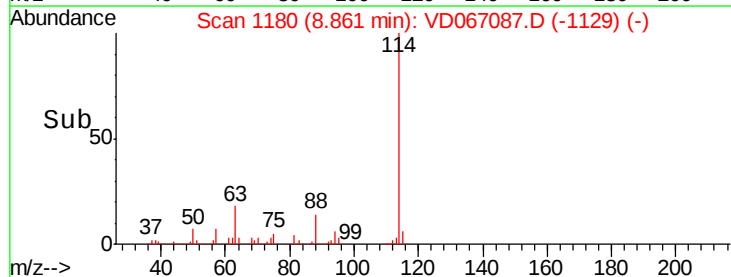
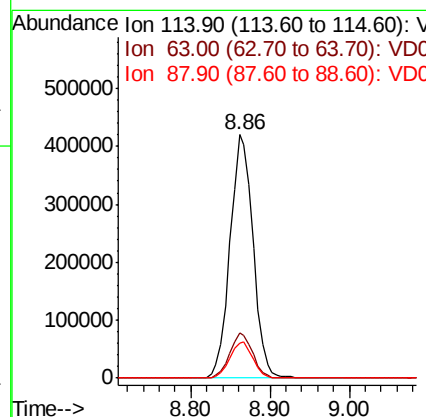
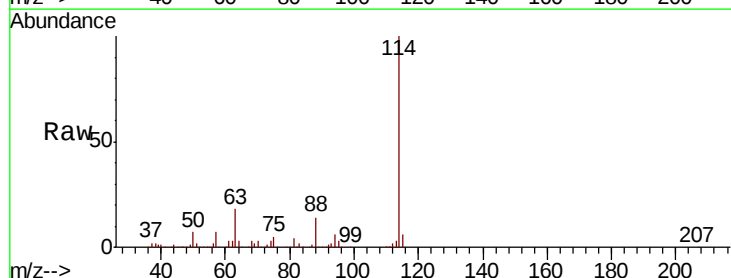
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B18-092920-DP

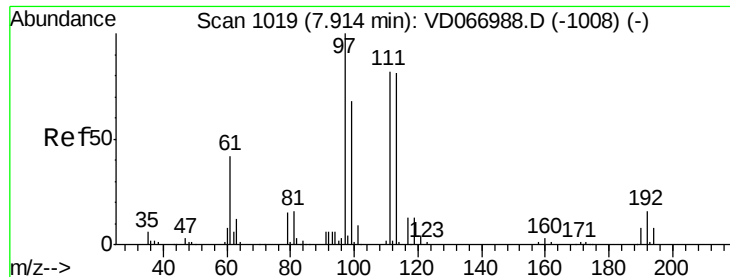
Tot Ion: 65 Resp: 238580
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067087.D
 Acq: 05 Oct 2020 16:52

Tgt Ion: 114 Resp: 844311
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.4
 88 14.3 0.0 31.2

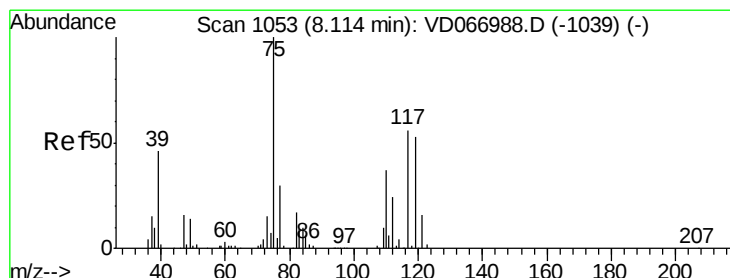
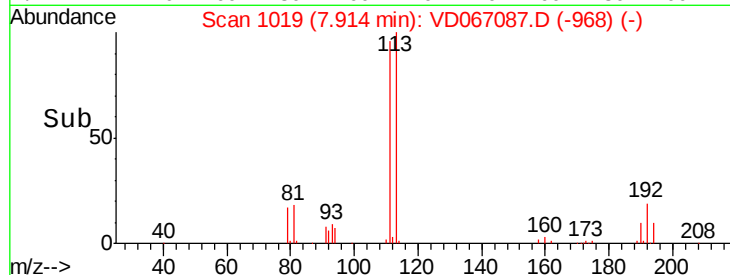
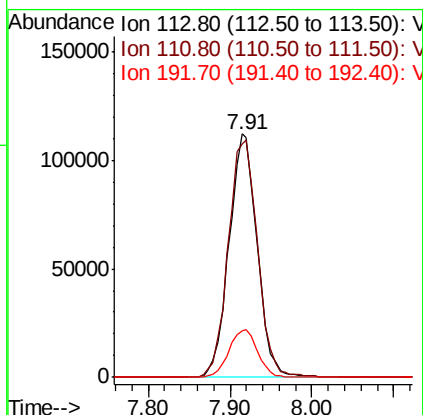
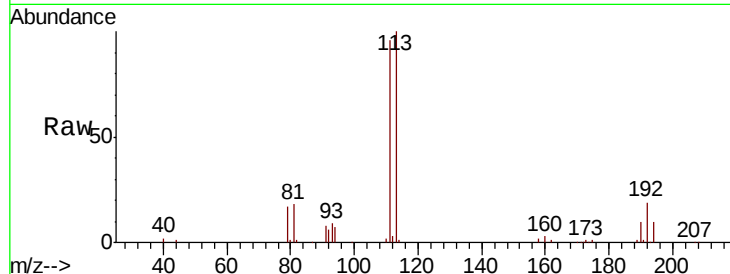




#35
 Dibromofluoromethane
 Concen: 48.600 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067087.D
 Acq: 05 Oct 2020 16:52

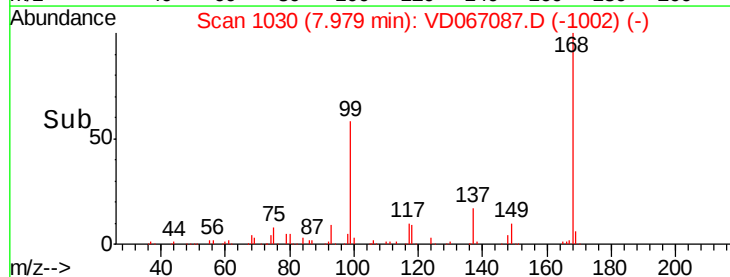
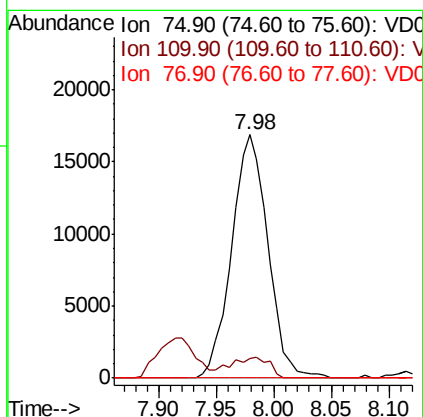
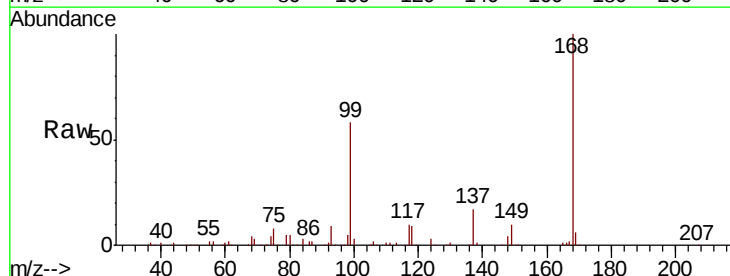
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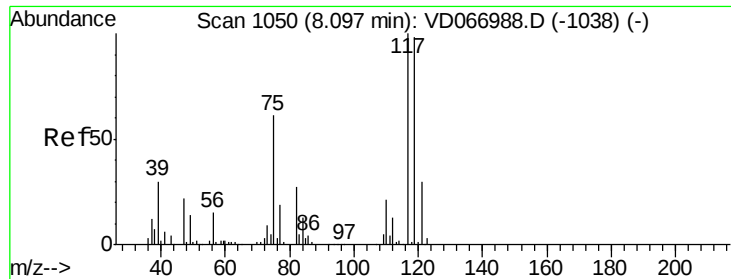
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.0	124.4
192	19.8	15.5	23.3



#36
 1,1-Dichloropropene
 Concen: 4.673 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067087.D
 Acq: 05 Oct 2020 16:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.4	55.0#
77	0.0	24.8	37.2#

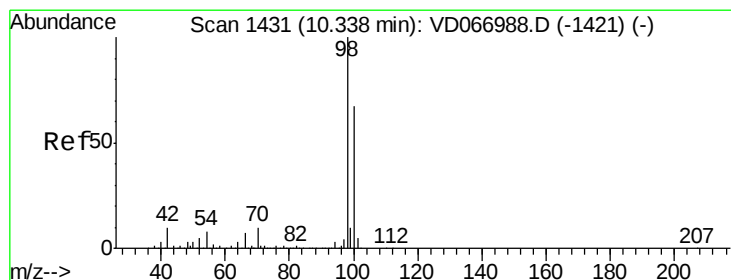
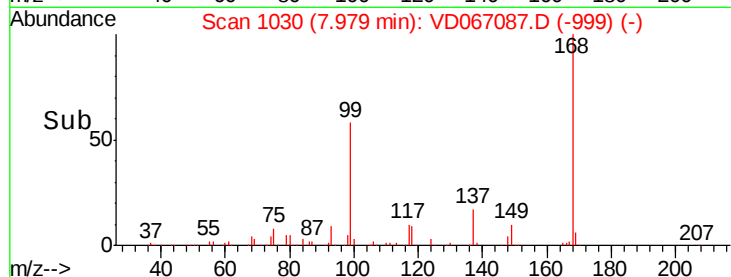
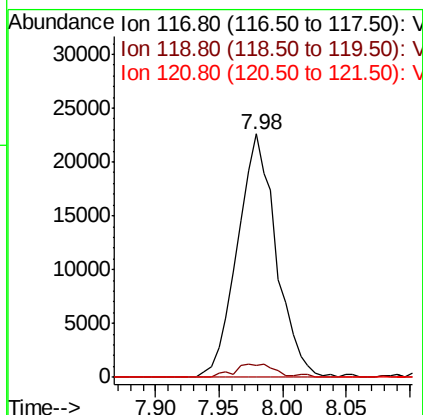
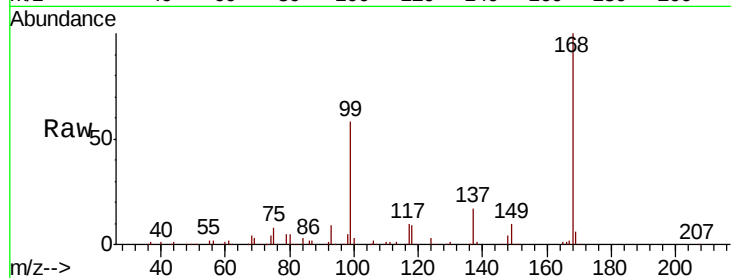




#38
Carbon Tetrachloride
Concen: 5.635 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD067087.D
Acq: 05 Oct 2020 16:52

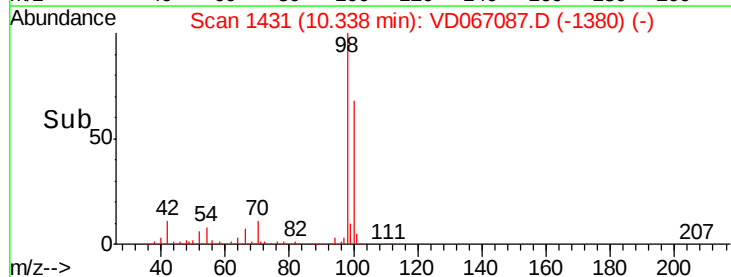
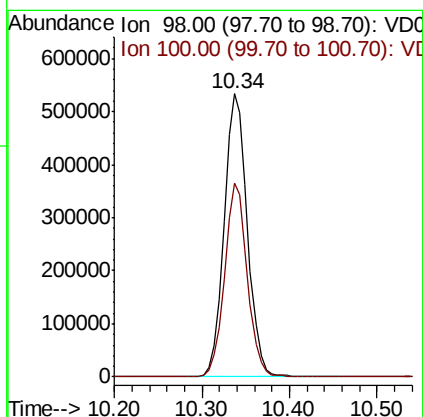
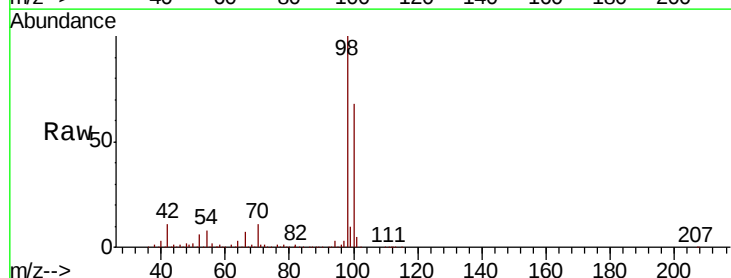
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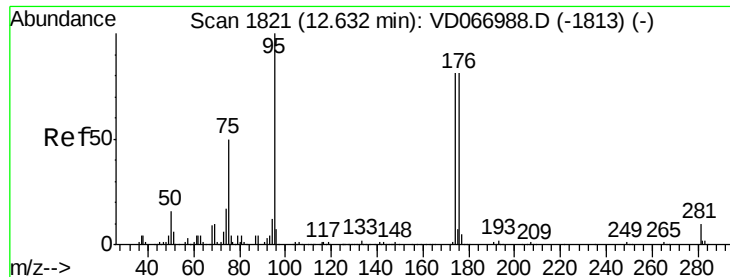
Tot Ion:117 Resp: 47983
Ion Ratio Lower Upper
117 100
119 4.7 78.7 118.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 48.191 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067087.D
Acq: 05 Oct 2020 16:52

Tgt Ion: 98 Resp: 970645
Ion Ratio Lower Upper
98 100
100 66.7 52.8 79.2

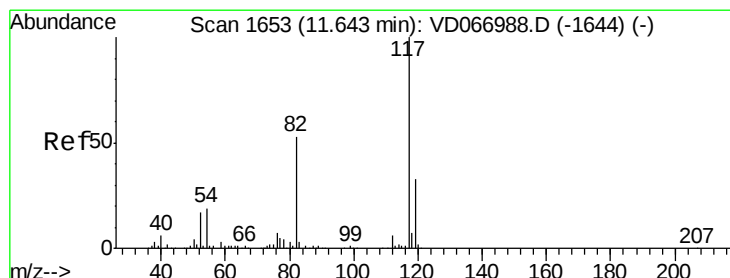
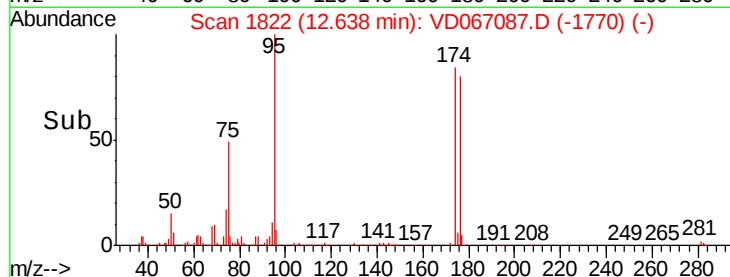
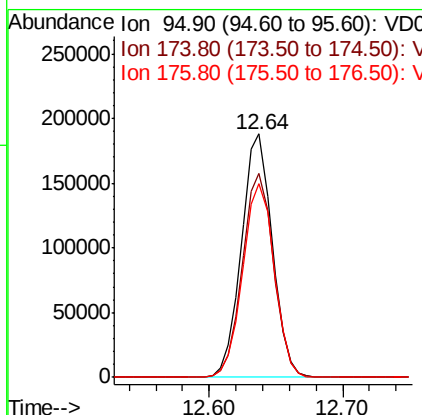
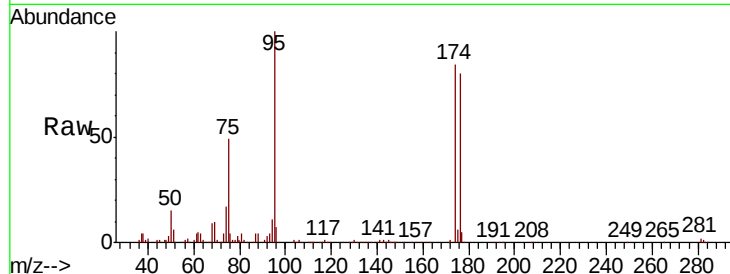




#62
4-Bromofluorobenzene
Concen: 43.870 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067087.D
Acq: 05 Oct 2020 16:52

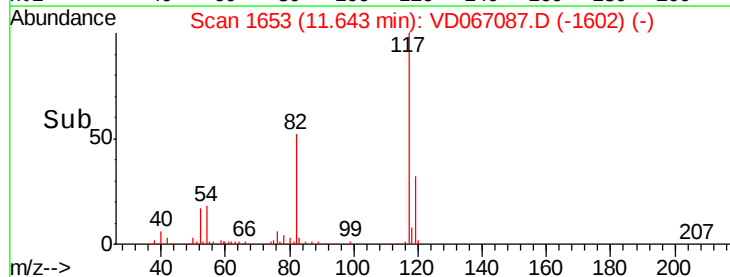
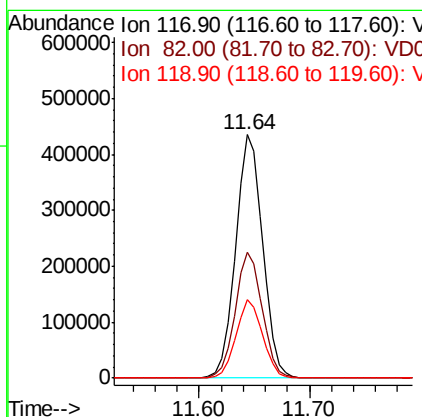
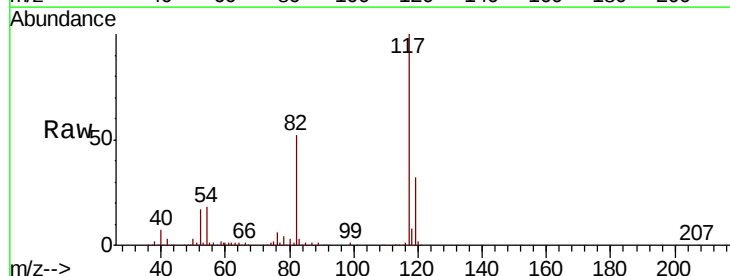
Instrument :
MSVOA_D
ClientSampleId :
PAV-B18-092920-DP

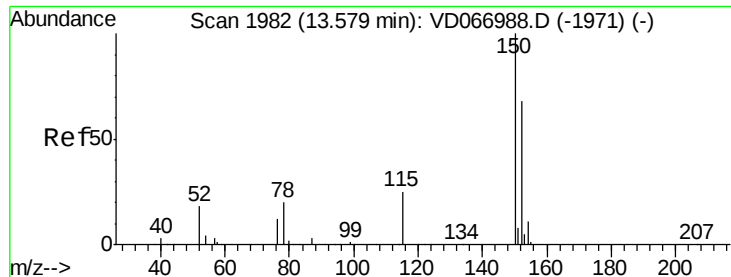
Tot Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	167.6
176	81.3	0.0	162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067087.D
Acq: 05 Oct 2020 16:52

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.6	63.8
119	32.4	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: VD067087.D

Acq: 05 Oct 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

PAV-B18-092920-DP

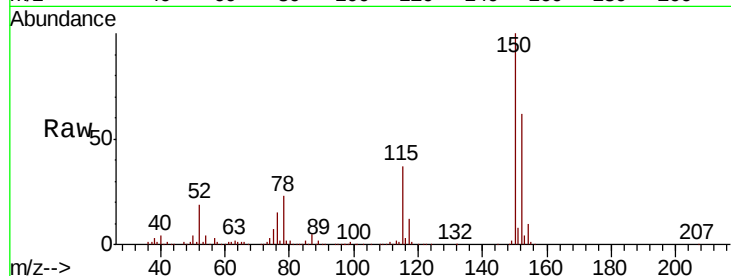
Tot Ion:152 Resp: 295444

Ion Ratio Lower Upper

152 100

115 58.3 29.6 88.8

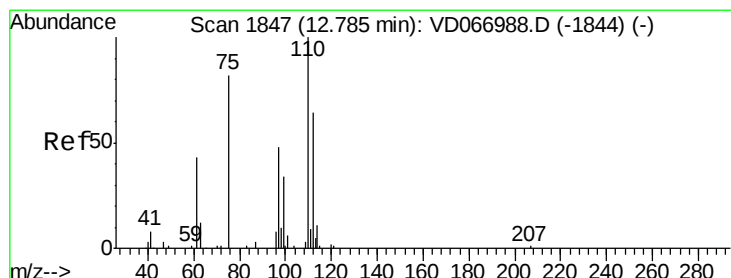
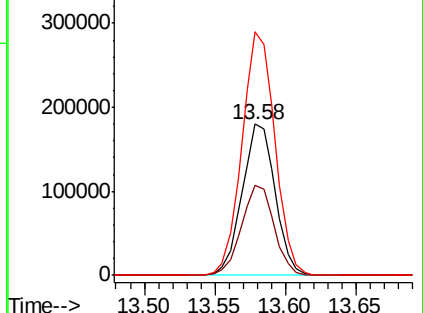
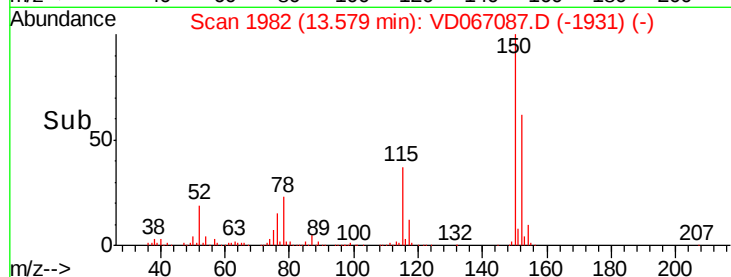
150 160.1 0.0 344.8



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: 56.718 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067087.D

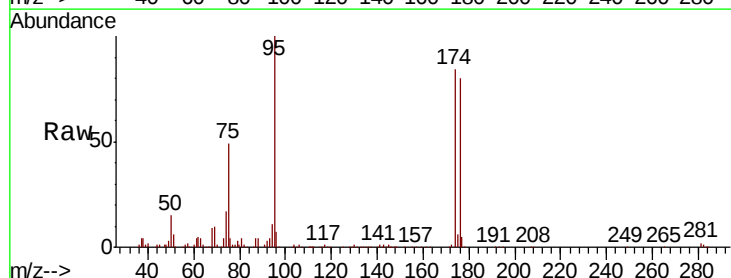
Acq: 05 Oct 2020 16:52

Tgt Ion: 75 Resp: 145960

Ion Ratio Lower Upper

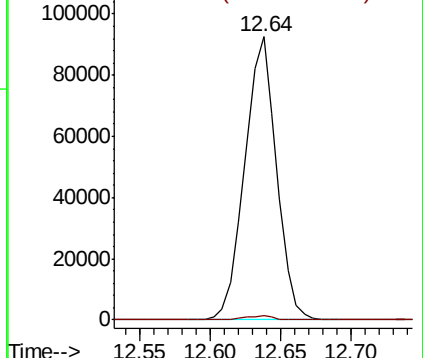
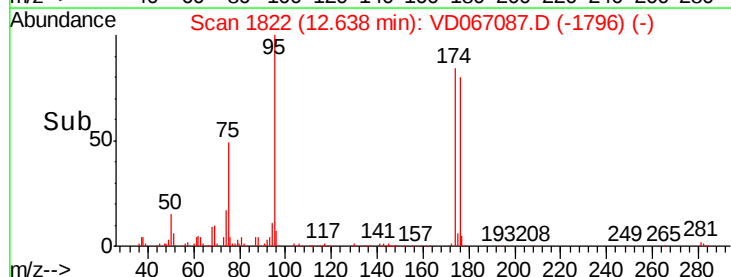
75 100

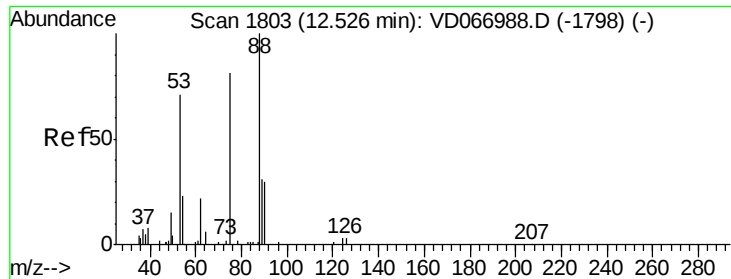
77 1.4 0.0 0.0#



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: 141.406 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067087.D

Acq: 05 Oct 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

PAV-B18-092920-DP

Tot Ion: 75 Resp: 145960

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 38.9 58.3#

