

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071620\
 Data File : VD065961.D
 Acq On : 16 Jul 2020 17:07
 Operator : VA/SY
 Sample : L3184-07
 Misc : 7.27G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-071520

Quant Time: Jul 17 03:39:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

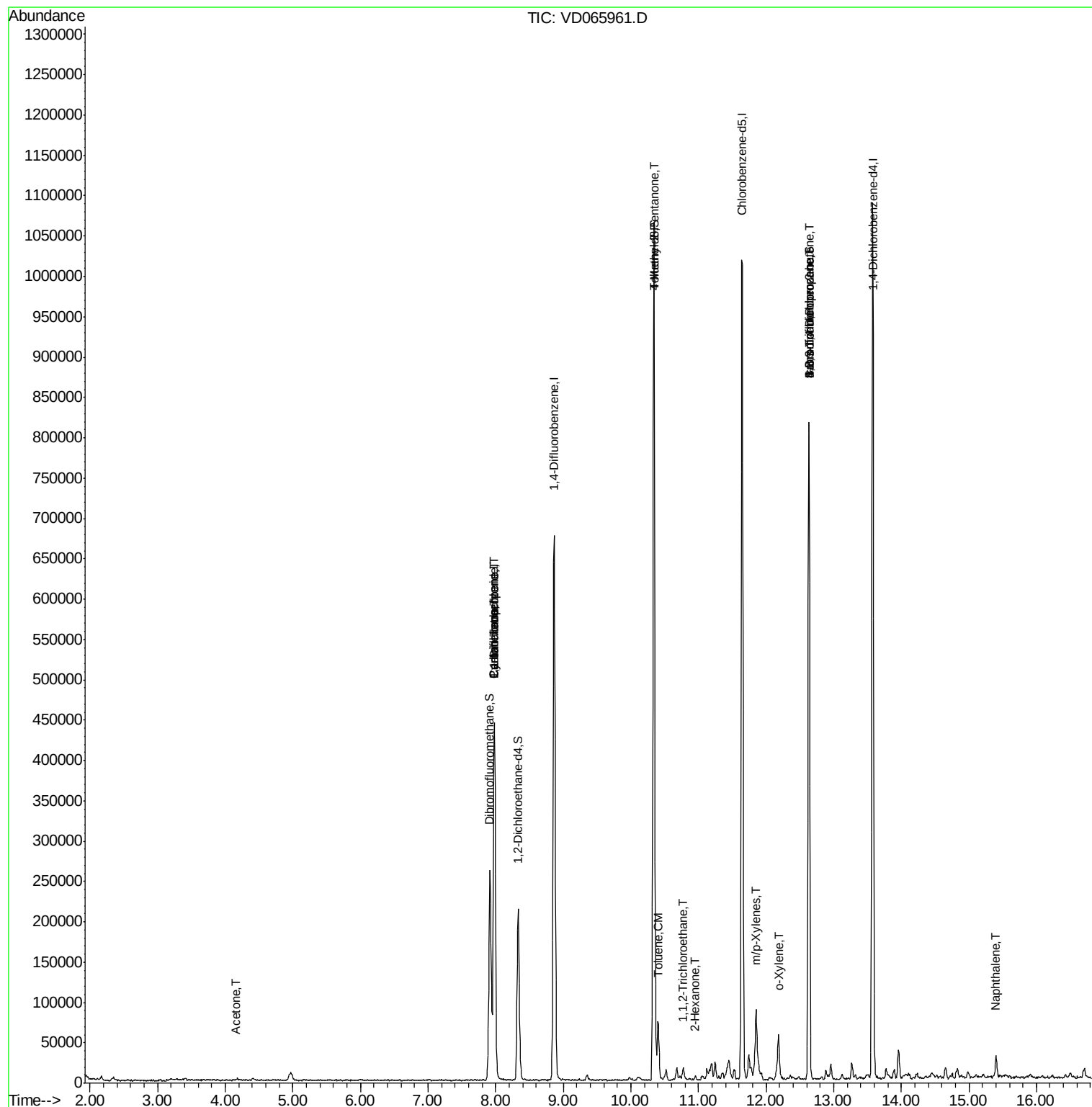
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	364611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	611560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	614475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	308016	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	161221	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
35) Dibromofluoromethane	7.91	113	184481	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
50) Toluene-d8	10.34	98	732798	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
62) 4-Bromofluorobenzene	12.64	95	270110	57.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.28%	
Target Compounds						
					Qvalue	
16) Acetone	4.16	43	1953	2.579	ug/l #	88
20) Methylene Chloride	4.96	84	8448	Below Cal		92
31) Cyclohexane	7.98	56	7698	1.166	ug/l #	9
36) 1,1-Dichloropropene	7.98	75	24472	4.052	ug/l #	48
38) Carbon Tetrachloride	7.98	117	33096	5.112	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	5025	2.110	ug/l #	1
52) Toluene	10.40	92	29034	2.735	ug/l	95
55) 1,1,2-Trichloroethane	10.77	97	6012	2.024	ug/l #	24
59) 2-Hexanone	10.95	43	2070	1.264	ug/l #	25
68) m/p-Xylenes	11.86	106	23314	2.789	ug/l	98
69) o-Xylene	12.18	106	11980	1.574	ug/l	86
71) Bromoform	12.63	173	2990	1.141	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	133182	51.544	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	133182	110.753	ug/l #	11
95) Naphthalene	15.41	128	25053	2.458	ug/l	96

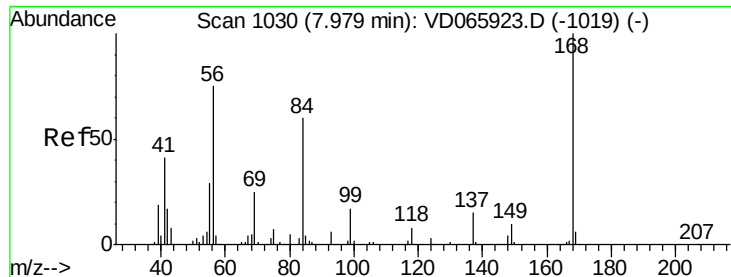
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065961.D

Acq: 16 Jul 2020 17:07

Instrument :

MSVOA_D

ClientSampleId :

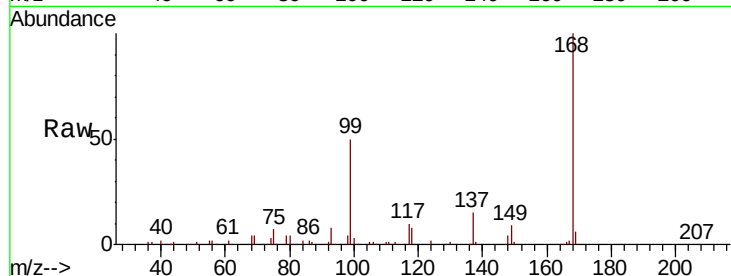
EO-01-071520

Tot Ion:168 Resp: 364611

Ion Ratio Lower Upper

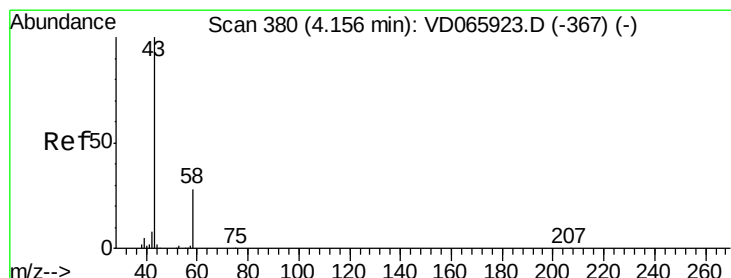
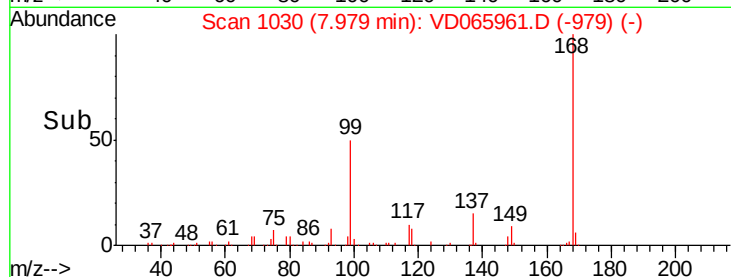
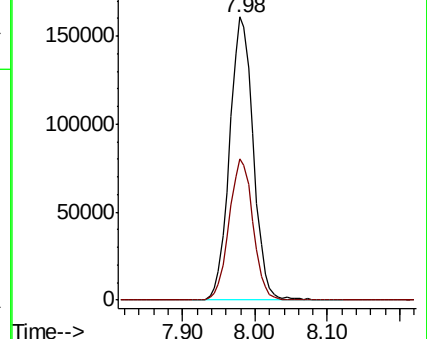
168 100

99 50.1 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 2.579 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD065961.D

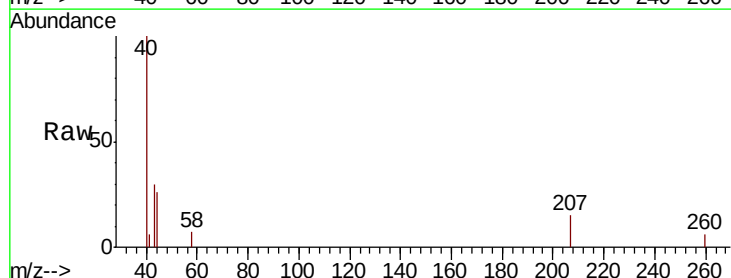
Acq: 16 Jul 2020 17:07

Tgt Ion: 43 Resp: 1953

Ion Ratio Lower Upper

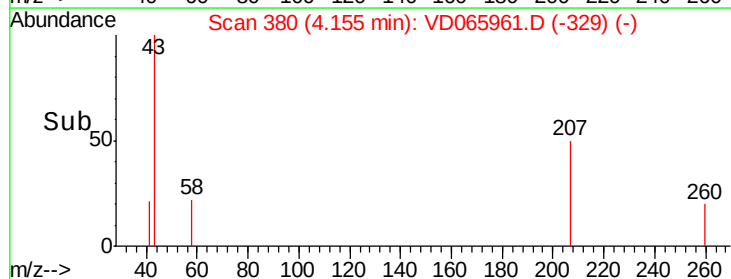
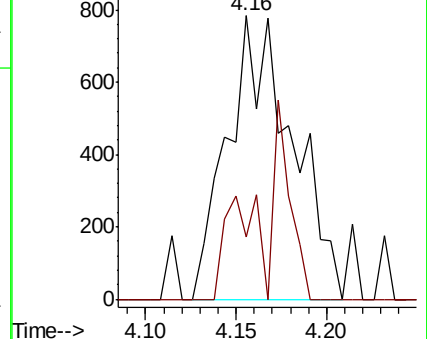
43 100

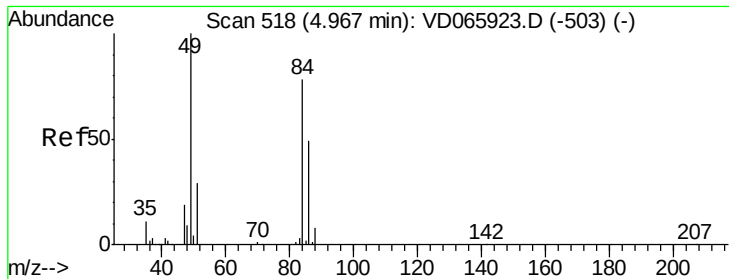
58 22.1 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



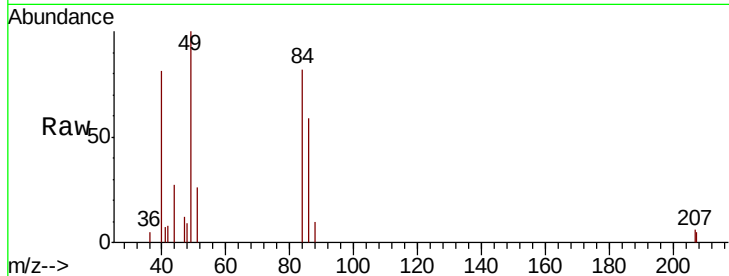


#20

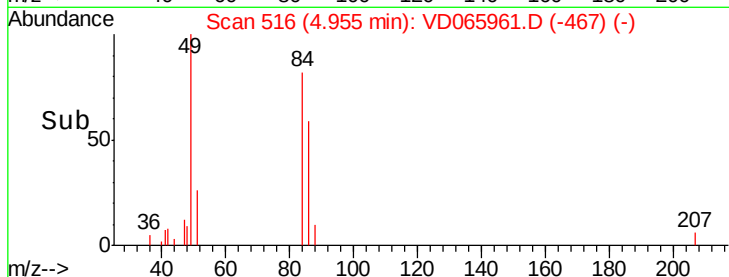
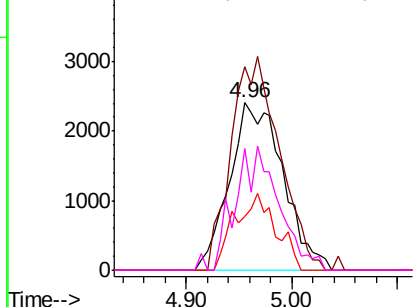
Methylene Chloride
 Concen: Below Cal
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD065961.D
 Acq: 16 Jul 2020 17:07

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-071520

Tot Ion:	84	Resp:	8448
Ion	Ratio	Lower	Upper
84	100		
49	121.9	102.2	153.2
51	31.8	29.8	44.6
86	72.4	50.2	75.2



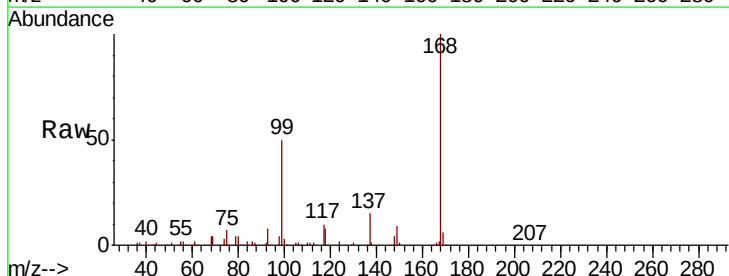
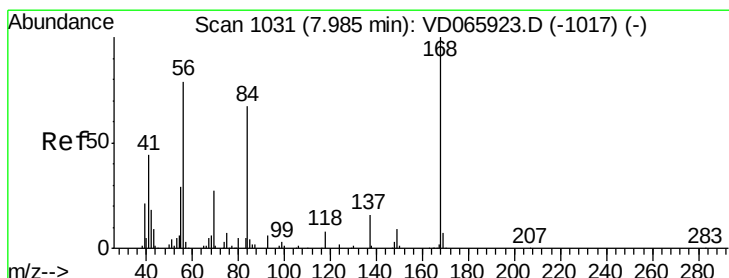
Abundance Ion 83.90 (83.60 to 84.60): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC



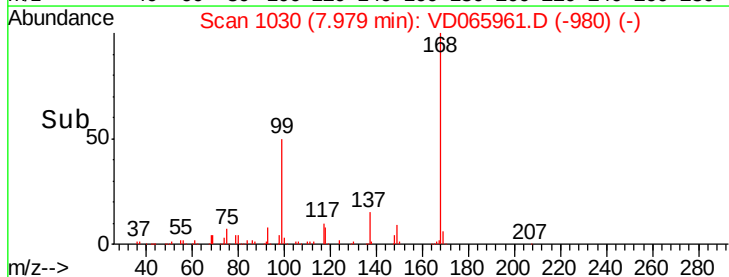
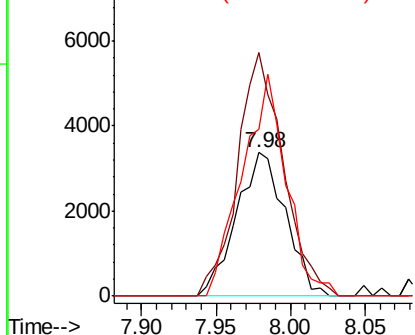
#31

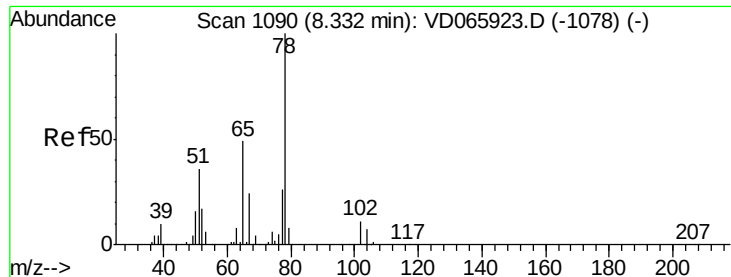
Cyclohexane
 Concen: 1.166 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VD065961.D
 Acq: 16 Jul 2020 17:07

Tgt Ion:	56	Resp:	7698
Ion	Ratio	Lower	Upper
56	100		
69	169.8	27.4	41.0#
84	116.4	68.6	102.8#



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

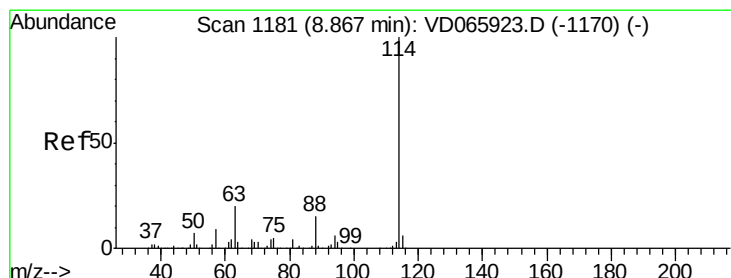
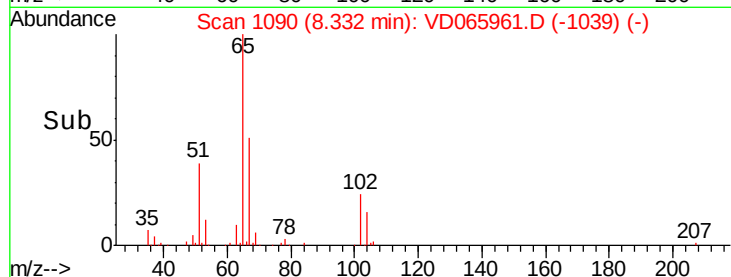
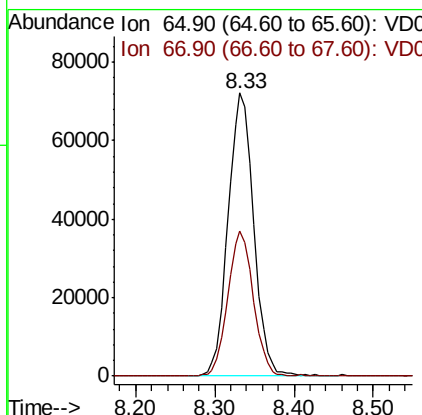
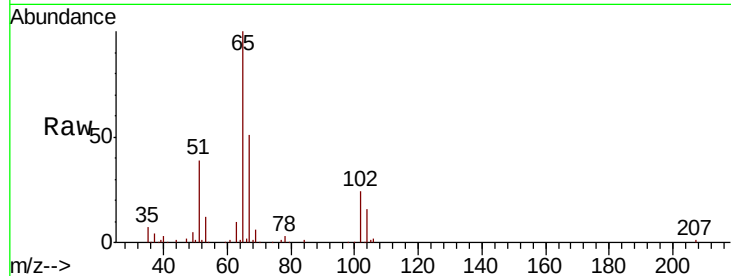




#33
 1,2-Dichloroethane-d4
 Concen: 49.894 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065961.D
 Acq: 16 Jul 2020 17:07

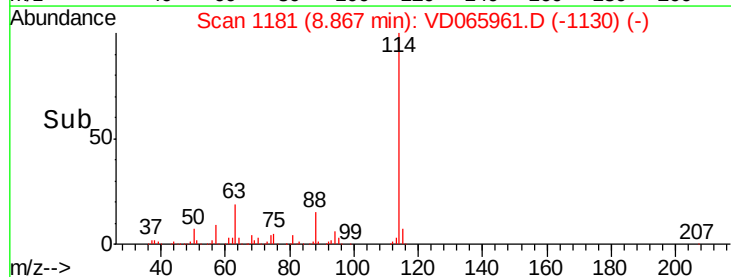
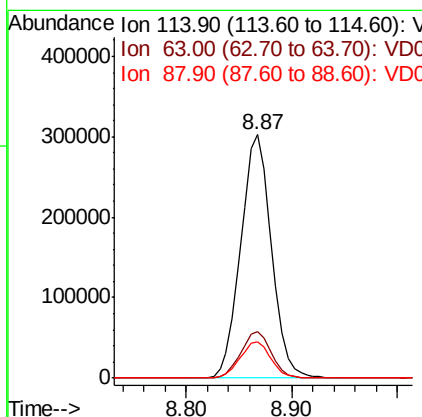
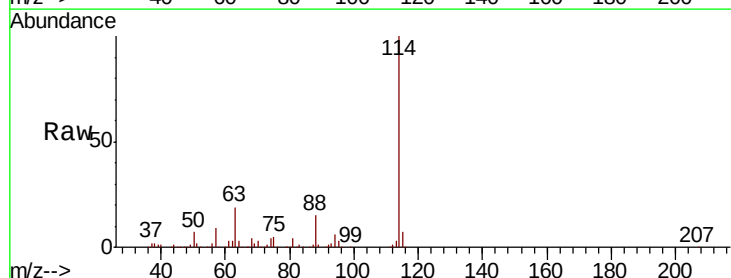
Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-071520

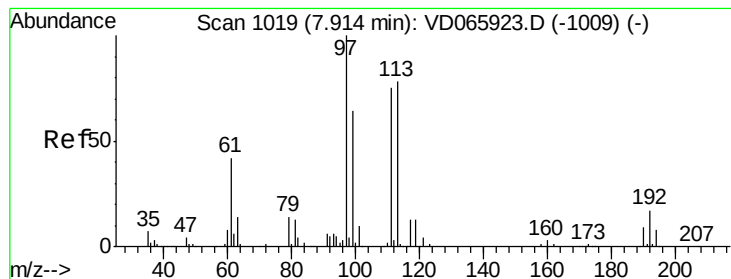
Tot Ion: 65 Resp: 161221
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065961.D
 Acq: 16 Jul 2020 17:07

Tgt Ion: 114 Resp: 611560
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.2
 88 14.9 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.900 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD065961.D

Acq: 16 Jul 2020 17:07

Instrument :

MSVOA_D

ClientSampleId :

EO-01-071520

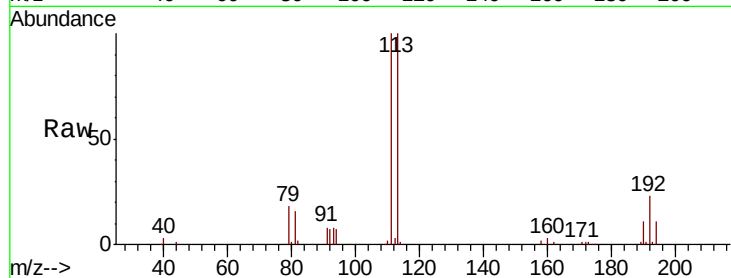
Tot Ion:113 Resp: 184481

Ion Ratio Lower Upper

113 100

111 104.1 80.9 121.3

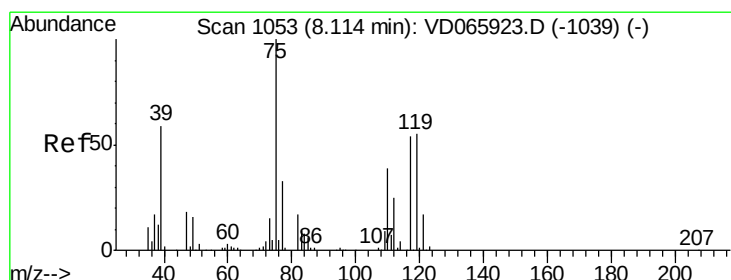
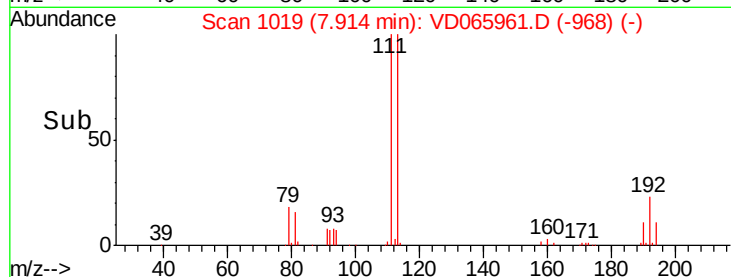
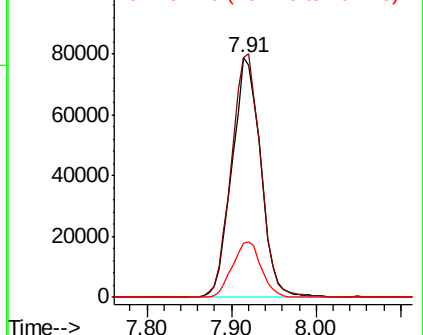
192 23.3 17.1 25.7



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: 4.052 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD065961.D

Acq: 16 Jul 2020 17:07

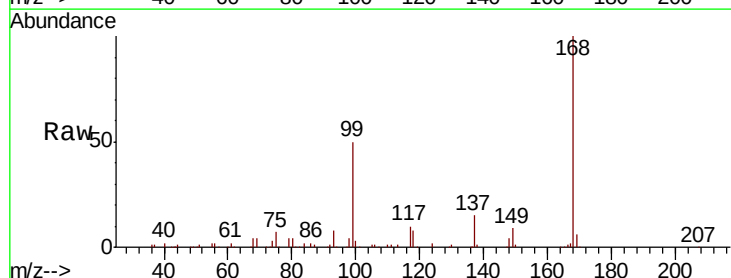
Tgt Ion: 75 Resp: 24472

Ion Ratio Lower Upper

75 100

110 8.8 18.5 55.5#

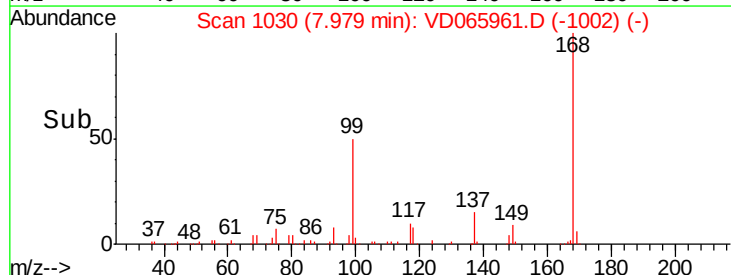
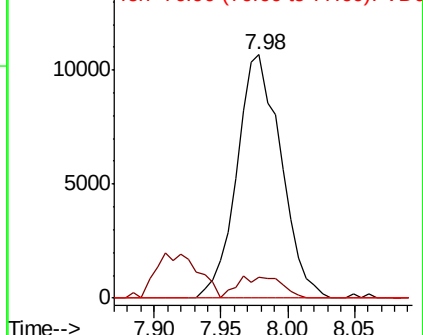
77 0.0 25.6 38.4#

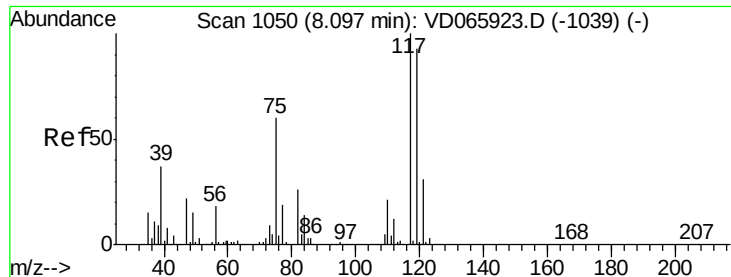


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

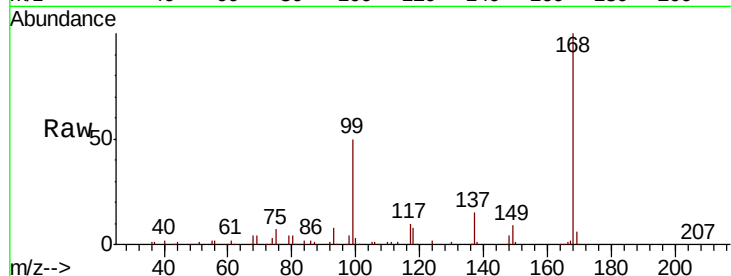




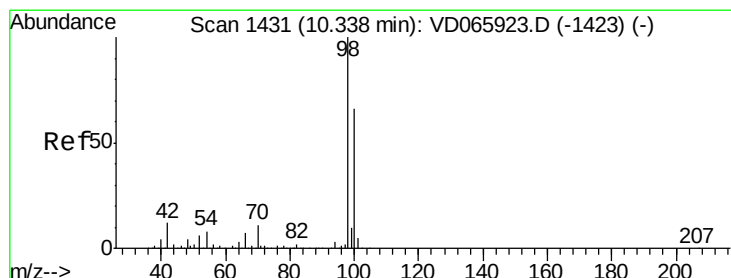
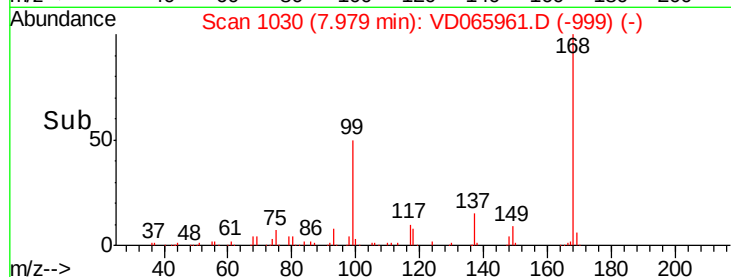
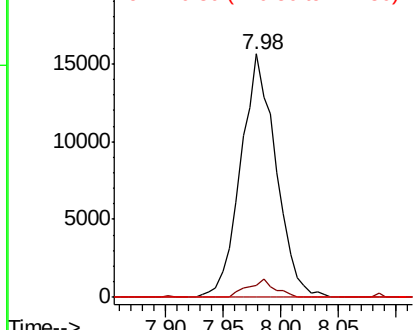
#38
Carbon Tetrachloride
Concen: 5.112 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065961.D
Acq: 16 Jul 2020 17:07

Instrument :
MSVOA_D
ClientSampleId :
EO-01-071520

Tot Ion:117 Resp: 33096
Ion Ratio Lower Upper
117 100
119 4.7 74.7 112.1#
121 0.0 24.9 37.3#

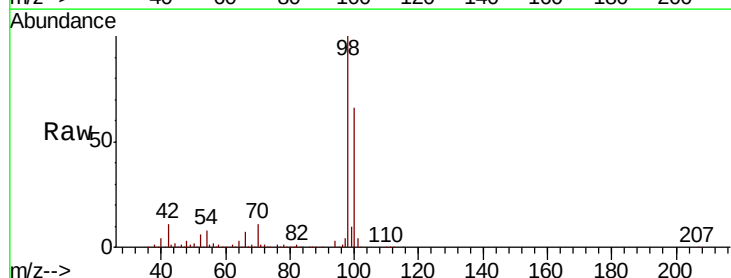


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

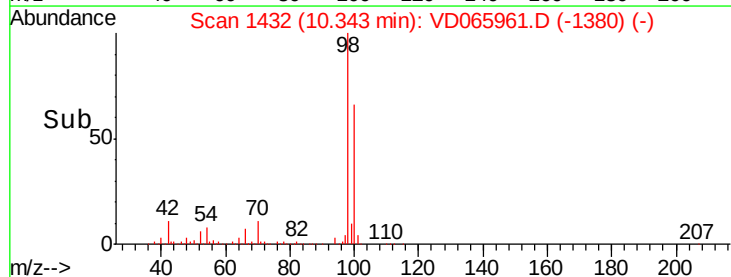
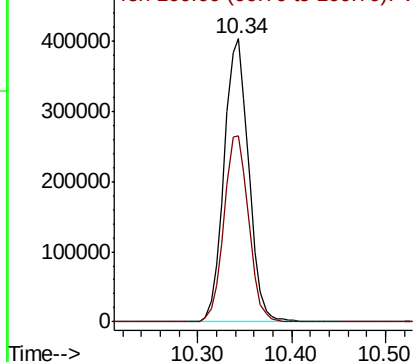


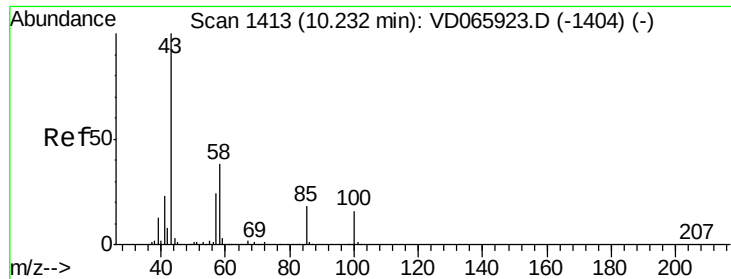
#50
Toluene-d8
Concen: 53.236 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD065961.D
Acq: 16 Jul 2020 17:07

Tgt Ion: 98 Resp: 732798
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 2.110 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD065961.D

Acq: 16 Jul 2020 17:07

Instrument :

MSVOA_D

ClientSampleId :

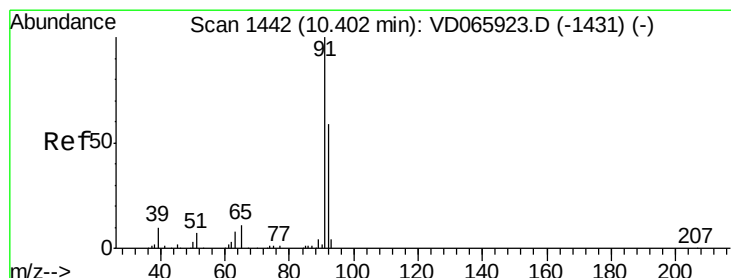
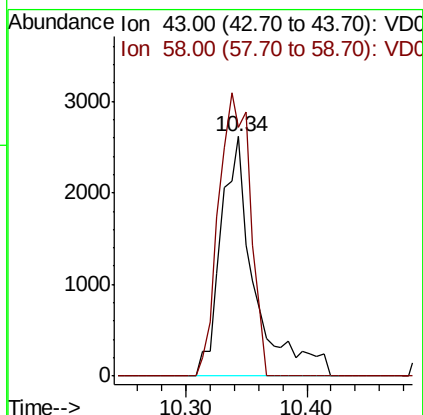
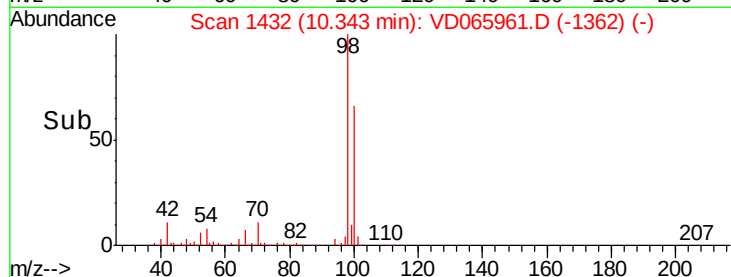
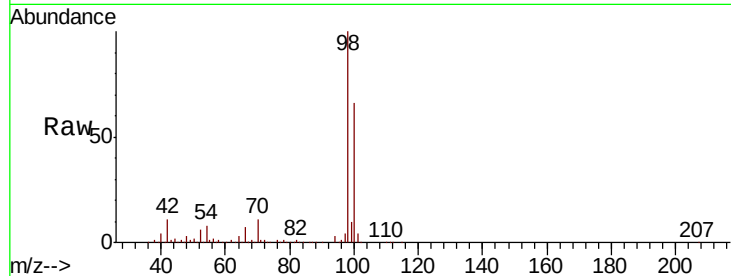
EO-01-071520

Tot Ion: 43 Resp: 5025

Ion Ratio Lower Upper

43 100

58 111.1 30.5 45.7#



#52

Toluene

Concen: 2.735 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD065961.D

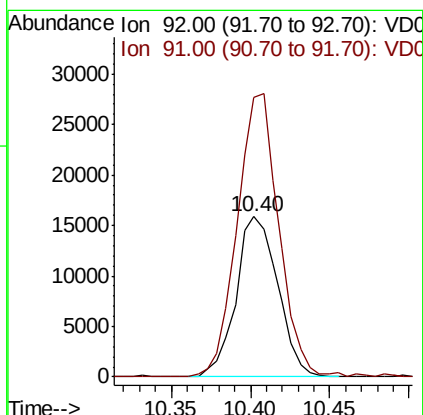
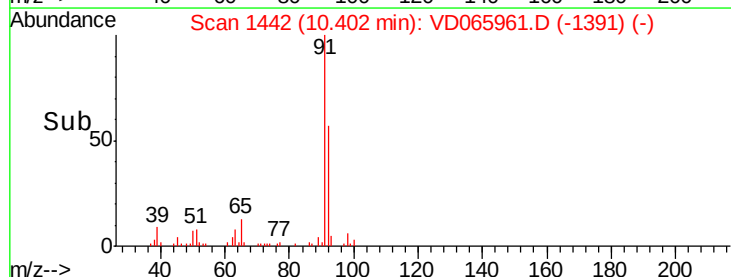
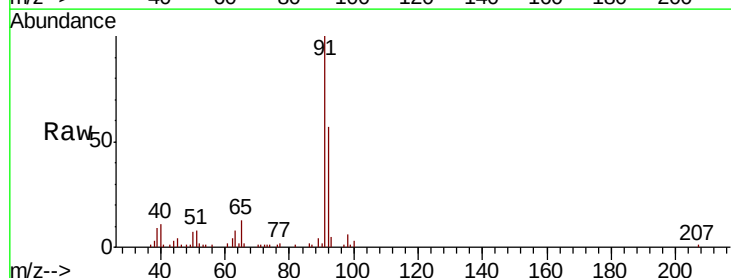
Acq: 16 Jul 2020 17:07

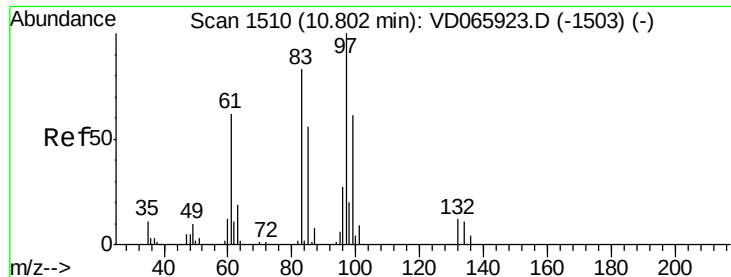
Tgt Ion: 92 Resp: 29034

Ion Ratio Lower Upper

92 100

91 176.8 136.0 204.0

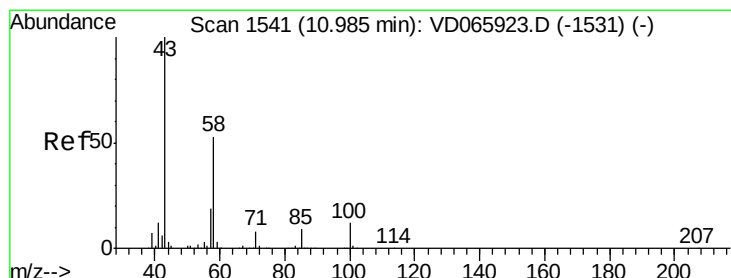
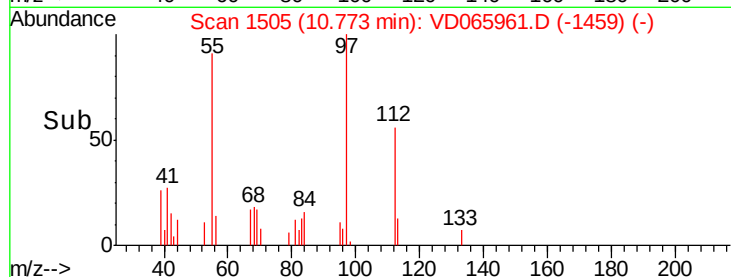
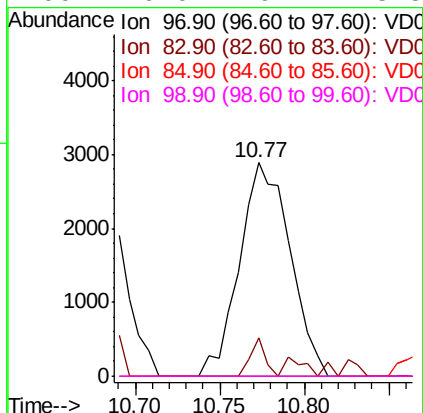
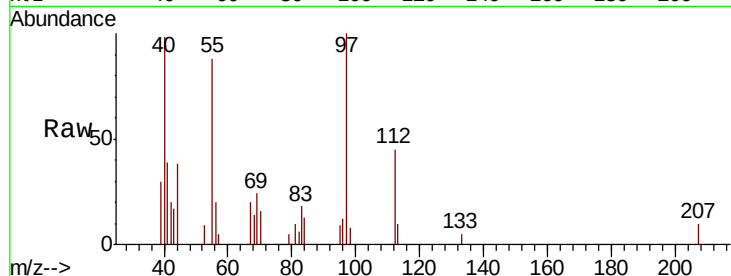




#55
 1,1,2-Trichloroethane
 Concen: 2.024 ug/l
 RT: 10.77 min Scan# 1505
 Delta R.T. -0.03 min
 Lab File: VD065961.D
 Acq: 16 Jul 2020 17:07

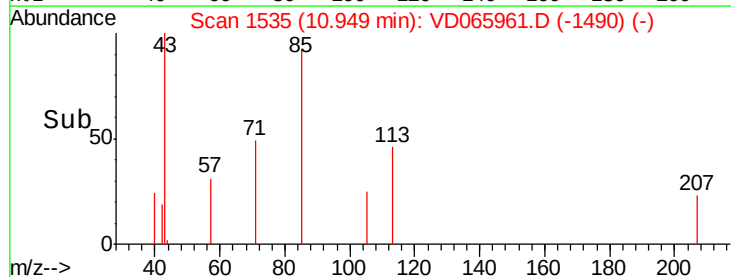
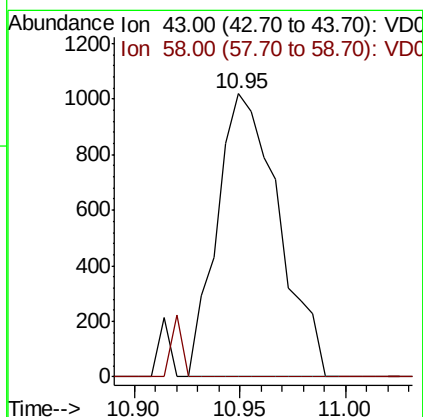
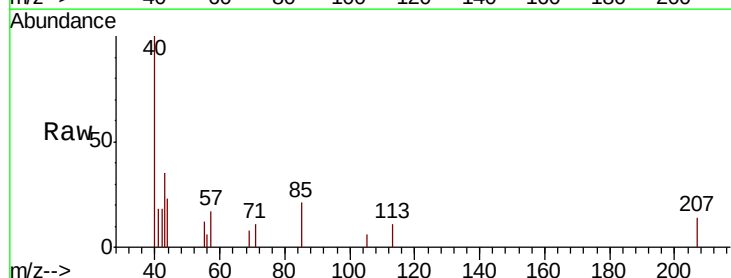
Instrument :
 MSVOA_D
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 EO-01-071520

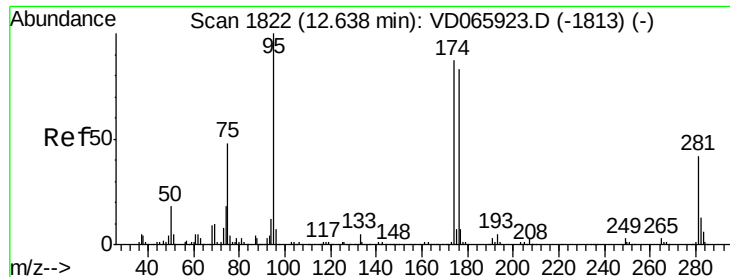
Tot Ion: 97 Resp: 6012
 Ion Ratio Lower Upper
 97 100
 83 18.2 66.9 100.3#
 85 0.0 44.5 66.7#
 99 0.0 49.2 73.8#



#59
 2-Hexanone
 Concen: 1.264 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.04 min
 Lab File: VD065961.D
 Acq: 16 Jul 2020 17:07

Tgt Ion: 43 Resp: 2070
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.6 79.8#

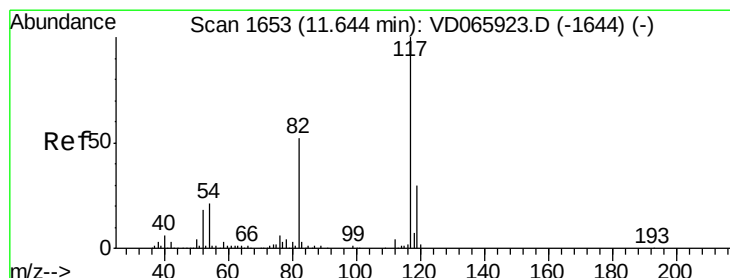
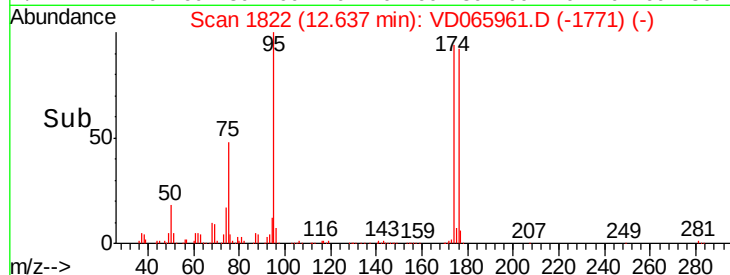
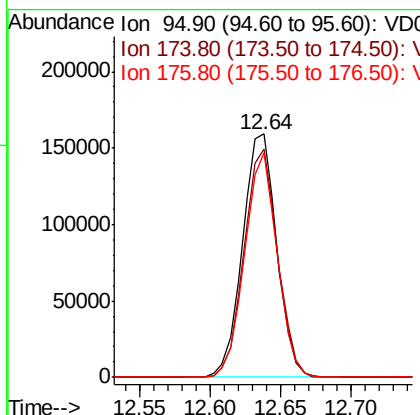
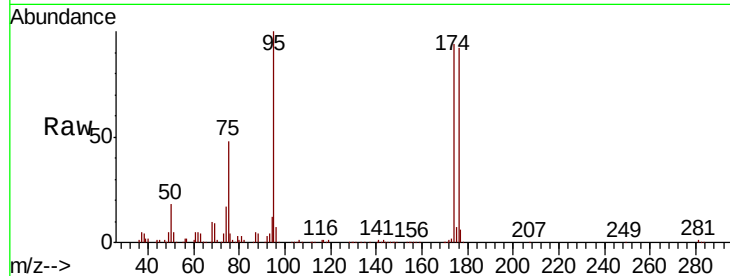




#62
4-Bromofluorobenzene
Concen: 57.142 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065961.D
Acq: 16 Jul 2020 17:07

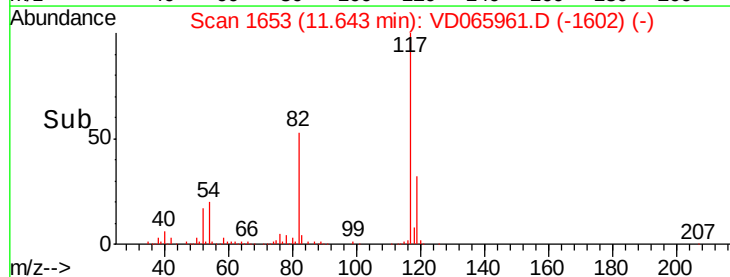
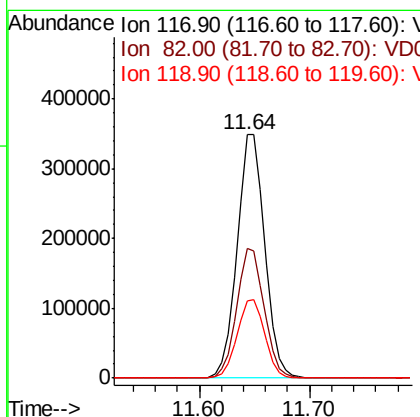
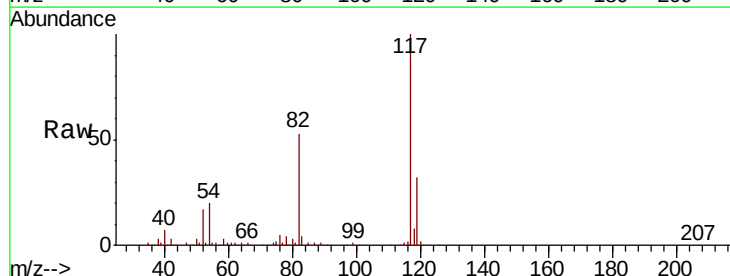
Instrument :
MSVOA_D
ClientSampleId :
EO-01-071520

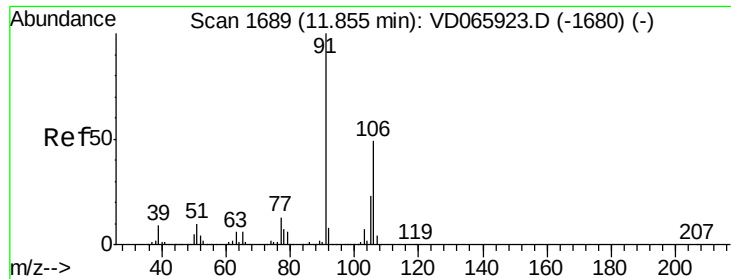
Tot Ion: 95 Resp: 270110
Ion Ratio Lower Upper
95 100
174 92.1 0.0 169.4
176 88.0 0.0 164.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD065961.D
Acq: 16 Jul 2020 17:07

Tgt Ion: 117 Resp: 614475
Ion Ratio Lower Upper
117 100
82 53.3 41.8 62.8
119 31.9 24.3 36.5

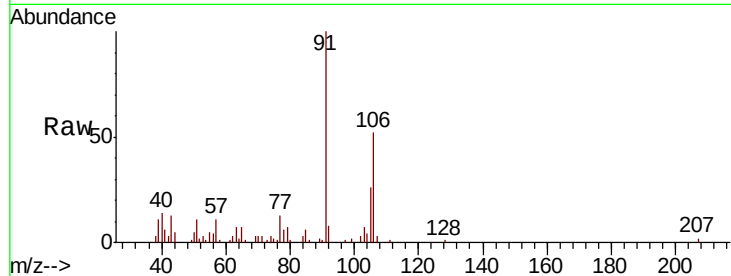




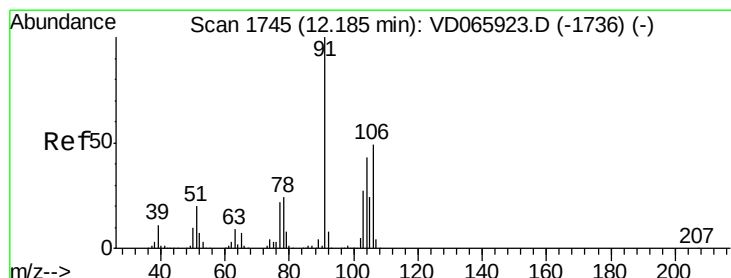
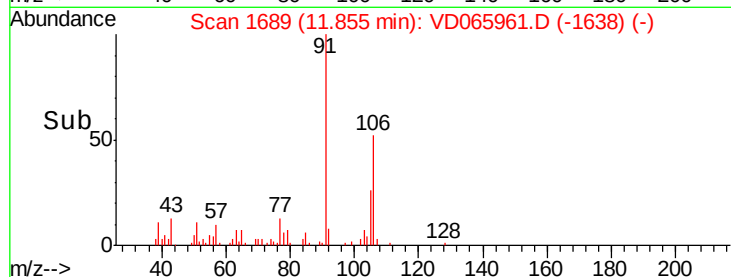
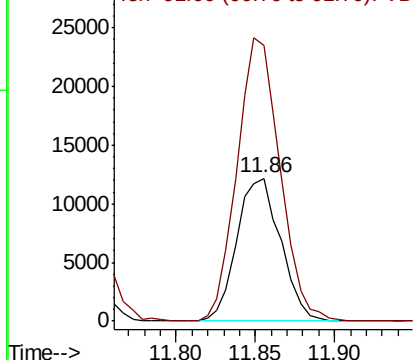
#68
m/p-Xylenes
Concen: 2.789 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD065961.D
Acq: 16 Jul 2020 17:07

Instrument :
MSVOA_D
ClientSampleId :
EO-01-071520

Tot Ion:106 Resp: 23314
Ion Ratio Lower Upper
106 100
91 194.4 158.2 237.2

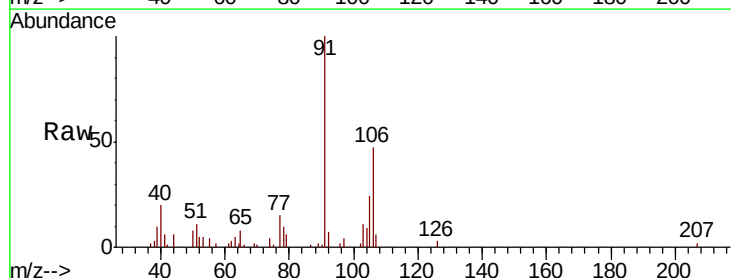


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

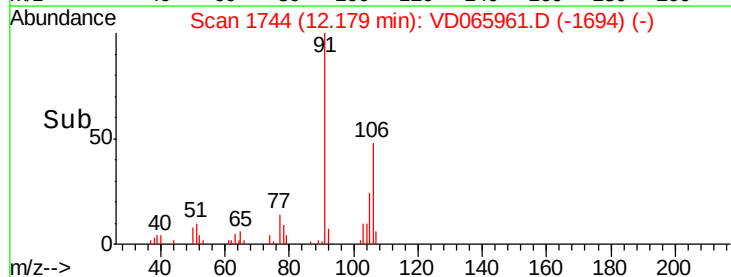
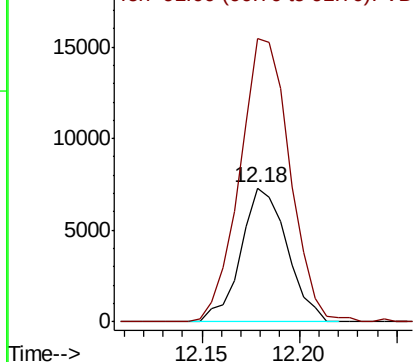


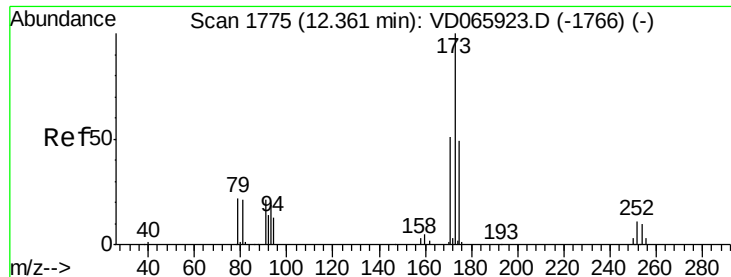
#69
o-Xylene
Concen: 1.574 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VD065961.D
Acq: 16 Jul 2020 17:07

Tgt Ion:106 Resp: 11980
Ion Ratio Lower Upper
106 100
91 229.1 104.1 312.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V





#71

Bromoform

Concen: 1.141 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.27 min

Lab File: VD065961.D

Acq: 16 Jul 2020 17:07

Instrument :

MSVOA_D

ClientSampleId :

EO-01-071520

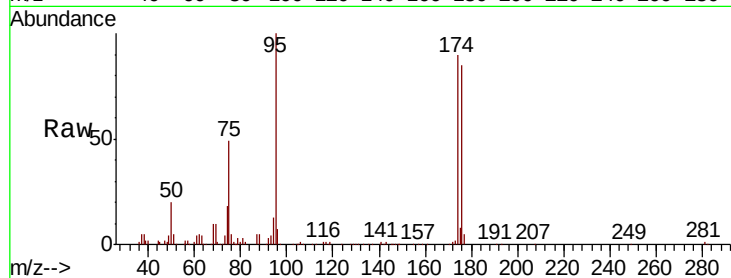
Tot Ion:173 Resp: 2990

Ion Ratio Lower Upper

173 100

175 458.0 24.2 72.6#

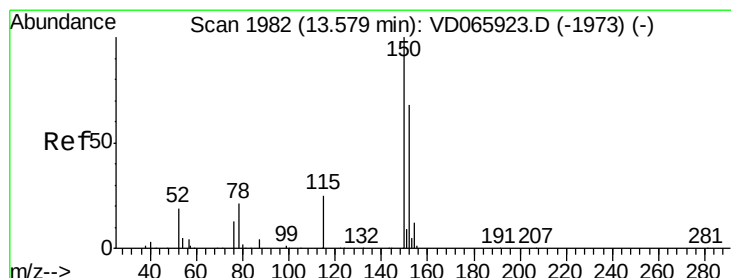
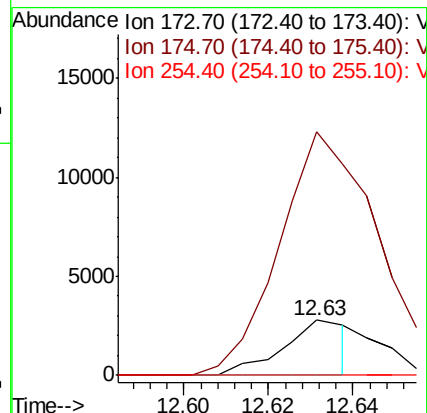
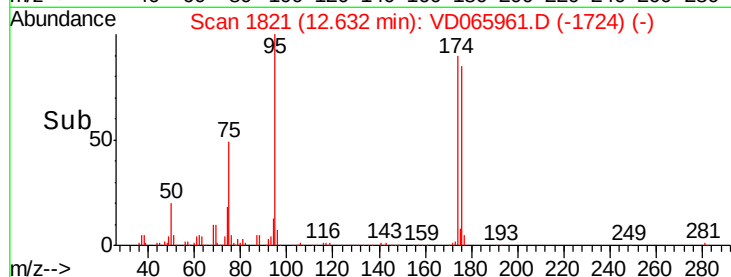
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD065961.D

Acq: 16 Jul 2020 17:07

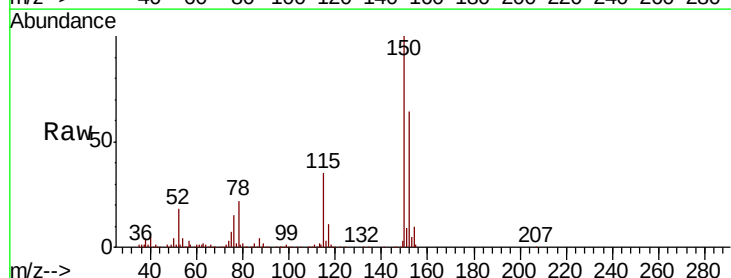
Tgt Ion:152 Resp: 308016

Ion Ratio Lower Upper

152 100

115 54.4 27.8 83.3

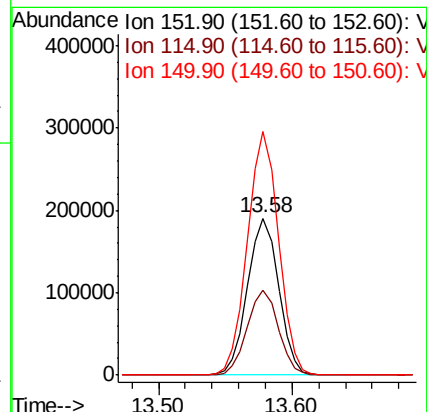
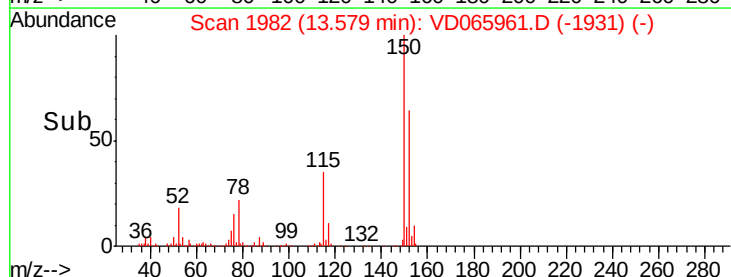
150 154.1 0.0 347.2

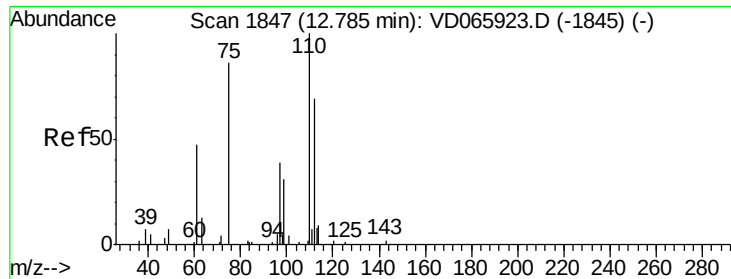


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

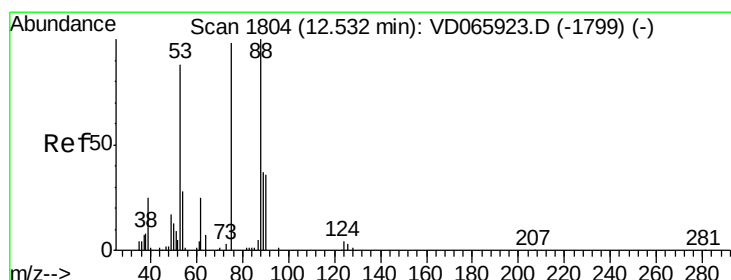
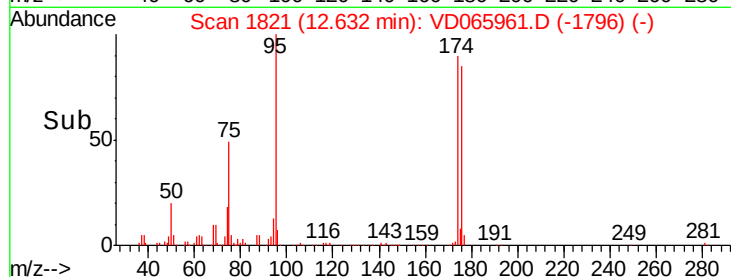
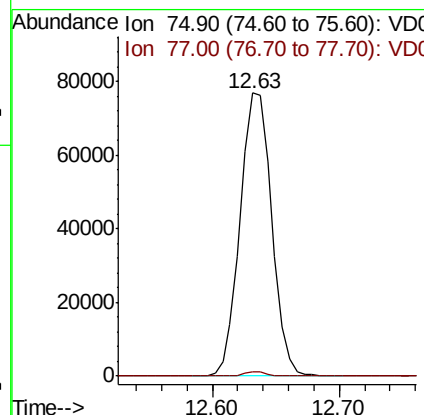
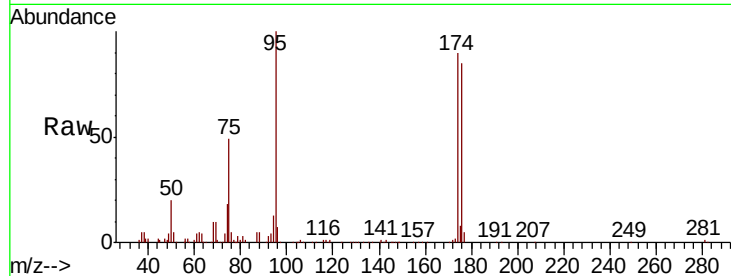




#76
 1,2,3-Trichloropropane
 Concen: 51.544 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD065961.D
 Acq: 16 Jul 2020 17:07

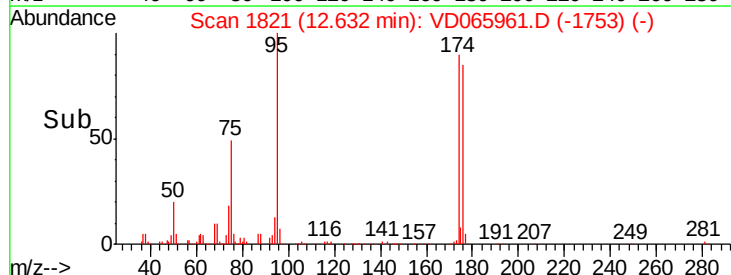
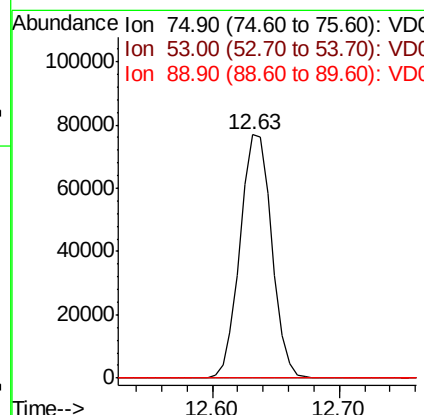
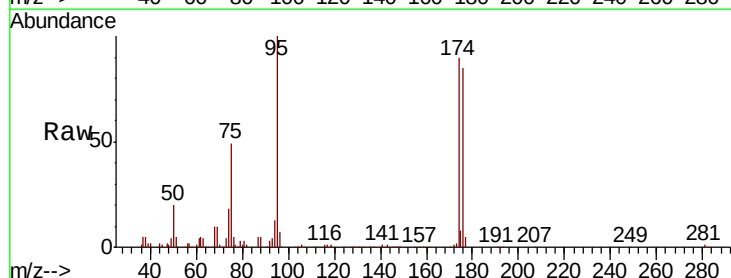
Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-071520

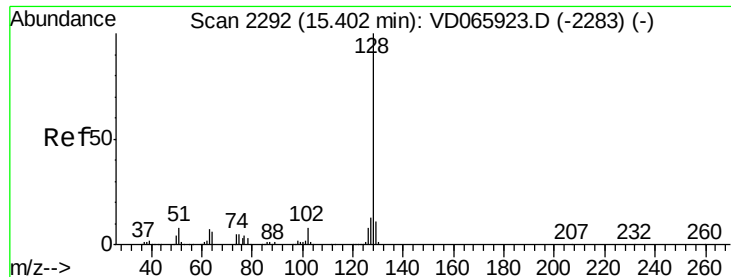
Tot Ion: 75 Resp: 133182
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.753 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD065961.D
 Acq: 16 Jul 2020 17:07

Tgt Ion: 75 Resp: 133182
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.8#
 89 0.0 37.5 56.3#

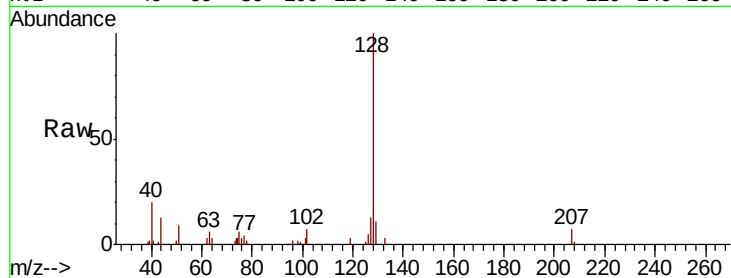




#95
 Naphthalene
 Concen: 2.458 ug/l
 RT: 15.41 min Scan# 2293
 Delta R.T. 0.01 min
 Lab File: VD065961.D
 Acq: 16 Jul 2020 17:07

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-071520

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.8	16.2
129	12.9	8.9	13.3



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

