

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060421\
 Data File : VD069348.D
 Acq On : 04 Jun 2021 16:19
 Operator : VA/SY
 Sample : M2601-05
 Misc : 4.57G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-CHRT-27166

Quant Time: Jun 05 00:36:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 02 02:17:36 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

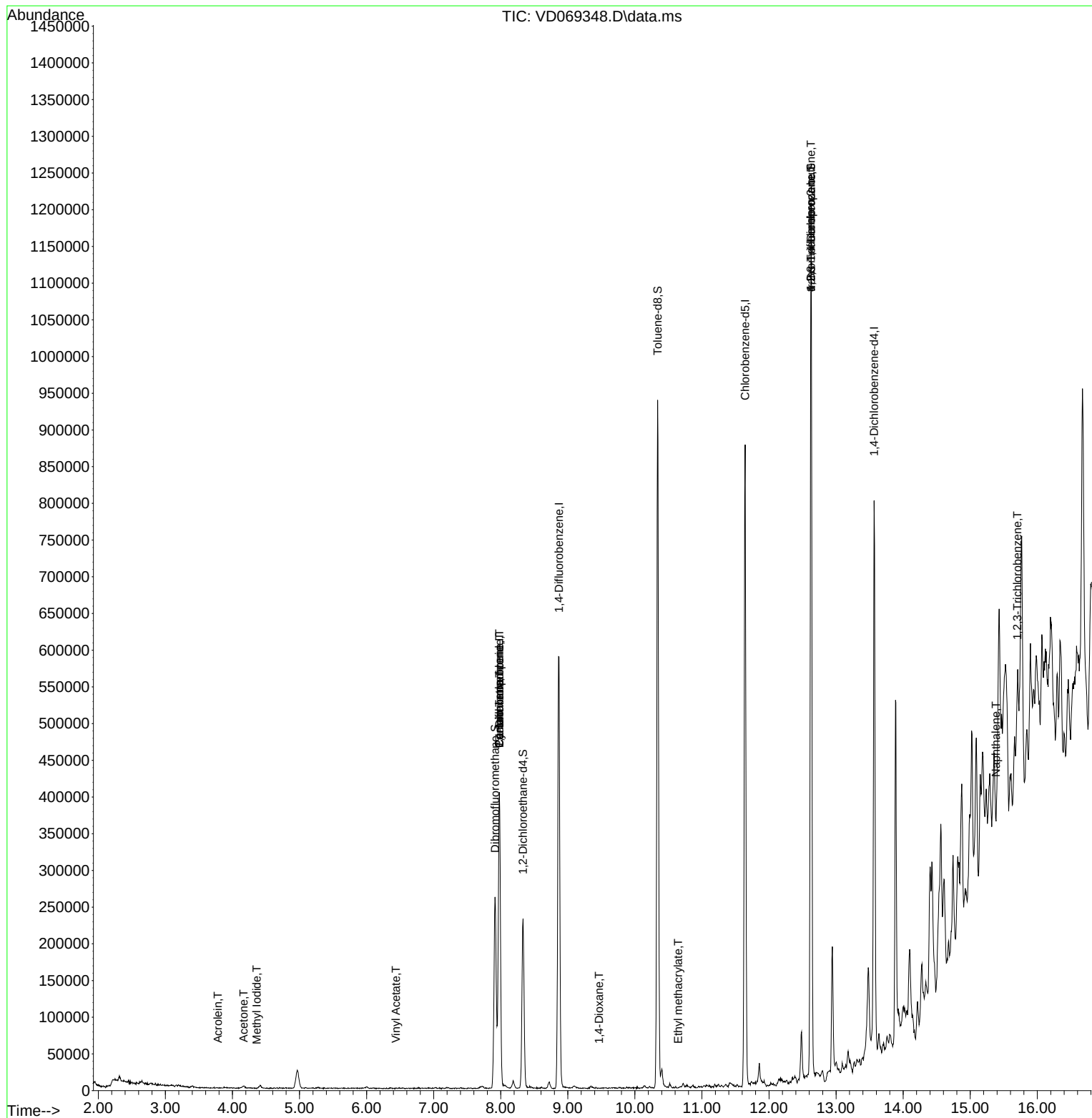
Internal Standards						
1) Pentafluorobenzene	7.979	168	301839	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	539405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	519241	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	205858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	181236	62.577	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.160%	
35) Dibromofluoromethane	7.914	113	190716	56.303	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.600%	
50) Toluene-d8	10.338	98	650507	52.811	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.620%	
62) 4-Bromofluorobenzene	12.626	95	223179	55.295	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.600%	
Target Compounds						Qvalue
10) Methyl Iodide	4.362	142	68	2.530	ug/l #	39
11) Tert butyl alcohol	5.226	59	89	Below Cal	#	73
13) Acrolein	3.779	56	66	17.462	ug/l #	44
16) Acetone	4.167	43	5191	10.271	ug/l #	84
20) Methylene Chloride	4.967	84	21198	Below Cal		97
23) Vinyl Acetate	6.438	43	65	11.626	ug/l #	67
31) Cyclohexane	7.979	56	8593	1.867	ug/l #	13
36) 1,1-Dichloropropene	7.979	75	24499	4.673	ug/l #	49
38) Carbon Tetrachloride	7.979	117	29931	5.287	ug/l #	17
49) 1,4-Dioxane	9.467	88	65	3.193	ug/l #	27
56) Ethyl methacrylate	10.644	69	358	2.741	ug/l #	37
76) 1,2,3-Trichloropropane	12.626	75	113750	63.599	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	113750	140.935	ug/l #	19
95) Naphthalene	15.385	128	854	3.415	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.702	180	4070	1.303	ug/l	60

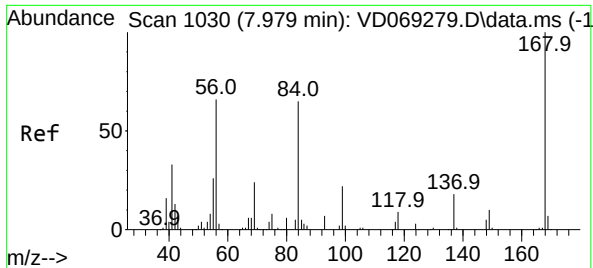
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
ClientSampled :
RO-CHRT-27166

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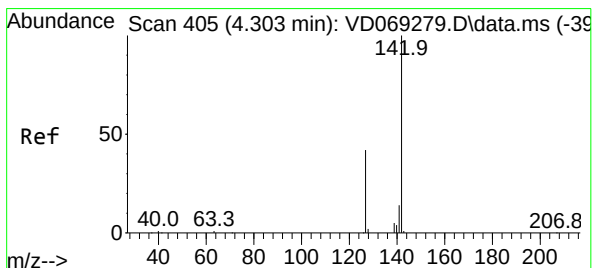
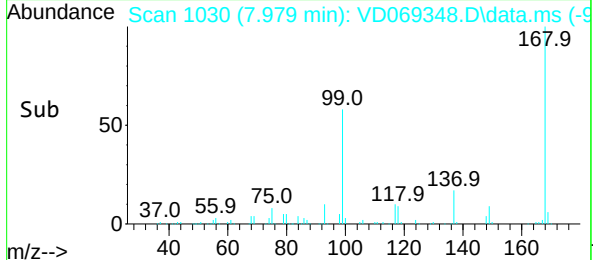
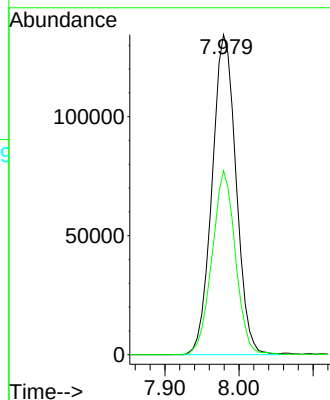
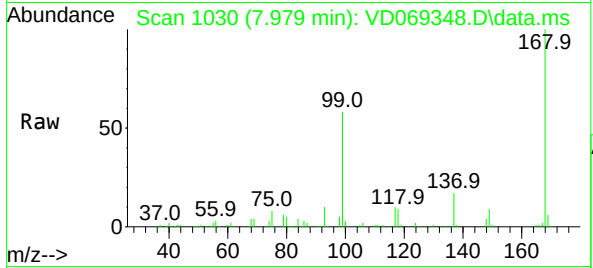




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069348.D
Acq: 04 Jun 2021 16:19

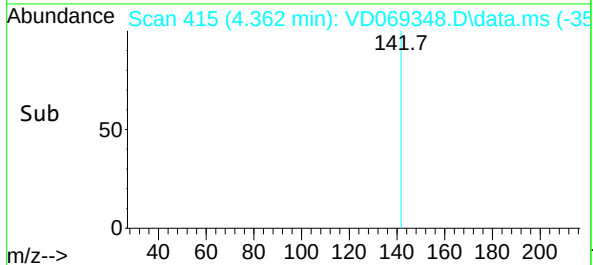
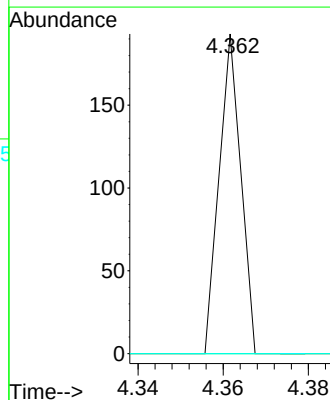
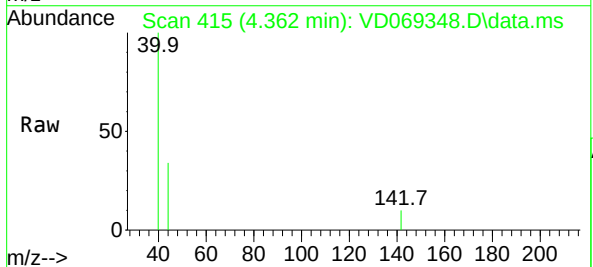
Instrument :
MSVOA_D
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RO-CHRT-27166

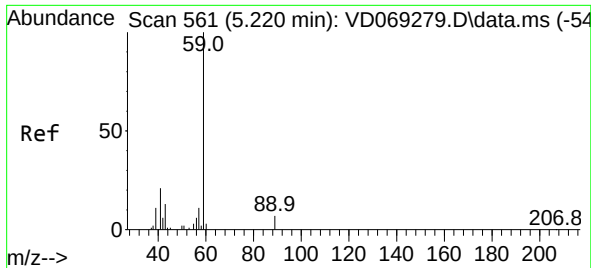
Tgt Ion:168 Resp: 301839
Ion Ratio Lower Upper
168 100
99 57.5 46.2 69.2



#10
Methyl Iodide
Concen: 2.530 ug/l
RT: 4.362 min Scan# 415
Delta R.T. 0.059 min
Lab File: VD069348.D
Acq: 04 Jun 2021 16:19

Tgt Ion:142 Resp: 68
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.2#
141 0.0 12.2 18.2#

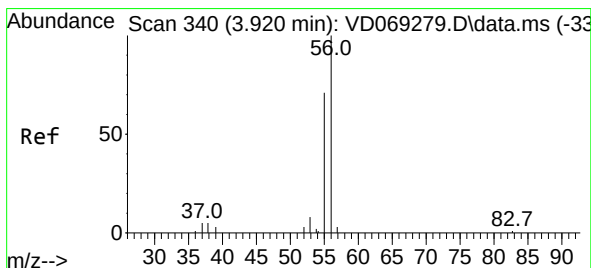
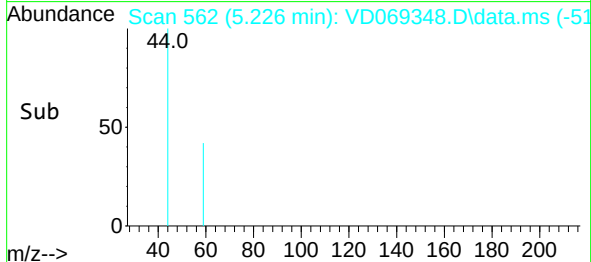
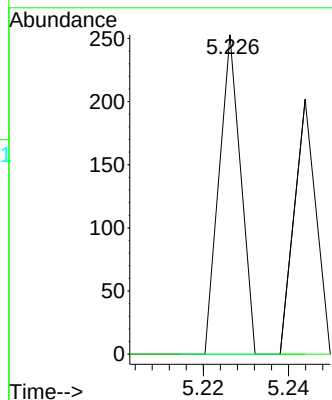
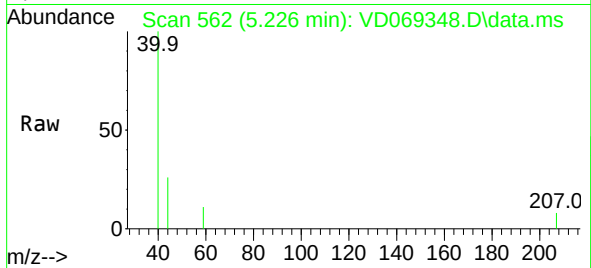




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.226 min Scan# 562
Delta R.T. 0.006 min
Lab File: VD069348.D
Acq: 04 Jun 2021 16:19

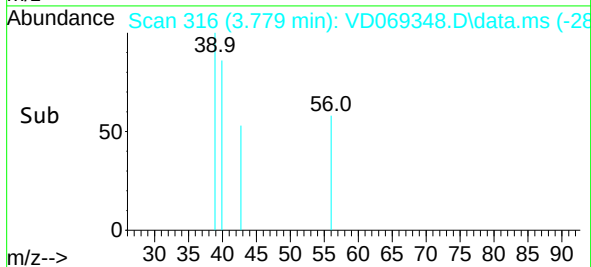
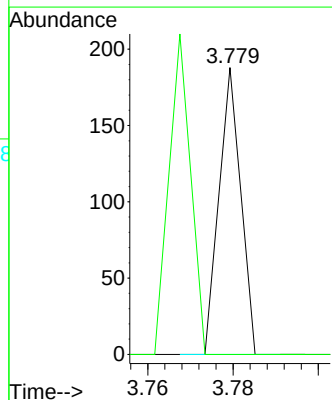
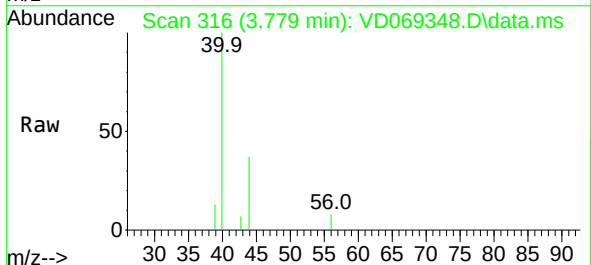
Instrument :
MSVOA_D
ClientSampleId :
RO-CHRT-27166

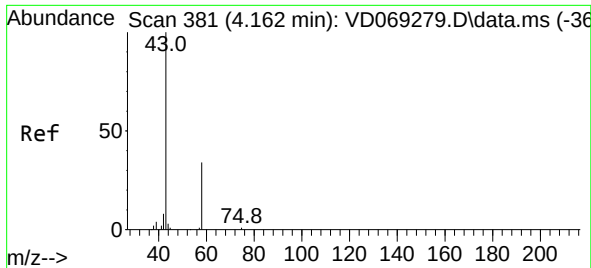
Tgt Ion: 59 Resp: 89
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 17.462 ug/l
RT: 3.779 min Scan# 316
Delta R.T. -0.141 min
Lab File: VD069348.D
Acq: 04 Jun 2021 16:19

Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
55 112.1 53.8 80.8#

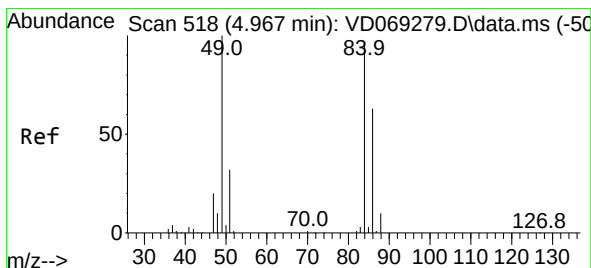
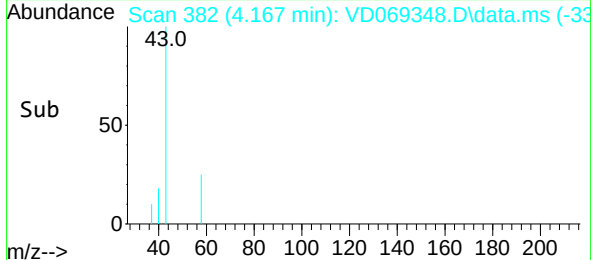
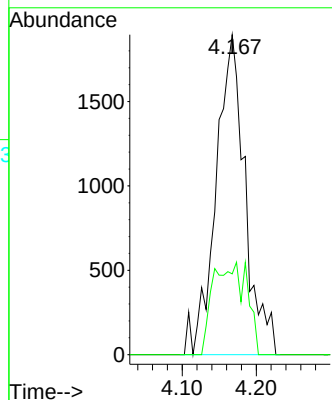
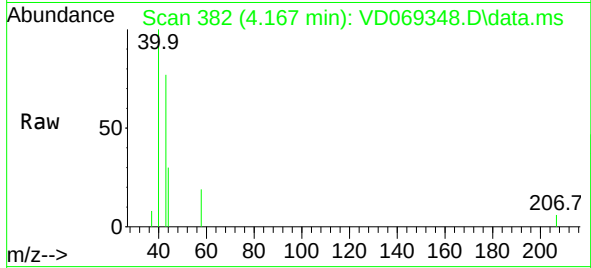




#16
Acetone
Concen: 10.271 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069348.D
Acq: 04 Jun 2021 16:19

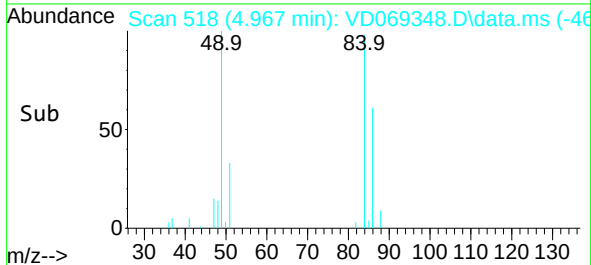
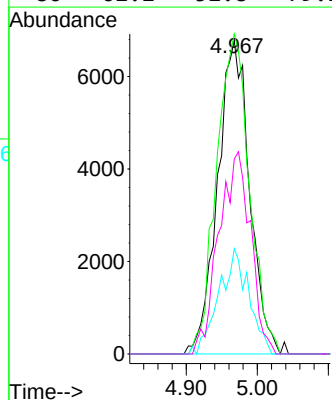
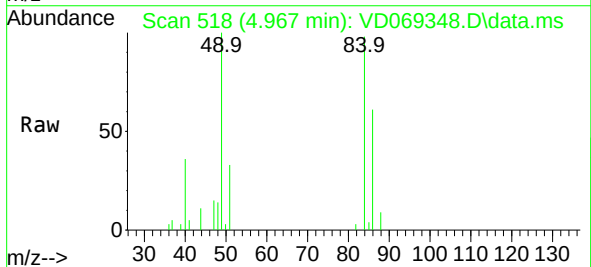
Instrument :
MSVOA_D
ClientSampleId :
RO-CHRT-27166

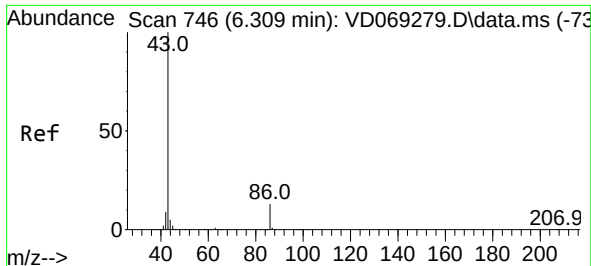
Tgt Ion: 43 Resp: 5191
Ion Ratio Lower Upper
43 100
58 25.3 27.5 41.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD069348.D
Acq: 04 Jun 2021 16:19

Tgt Ion: 84 Resp: 21198
Ion Ratio Lower Upper
84 100
49 102.1 83.7 125.5
51 33.6 26.4 39.6
86 62.2 52.8 79.2

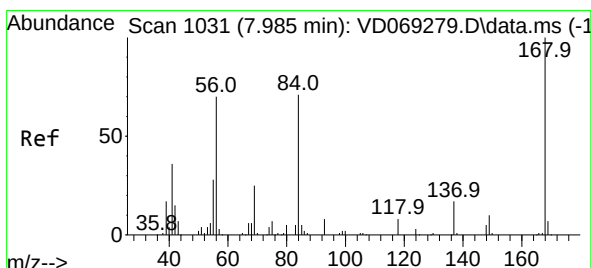
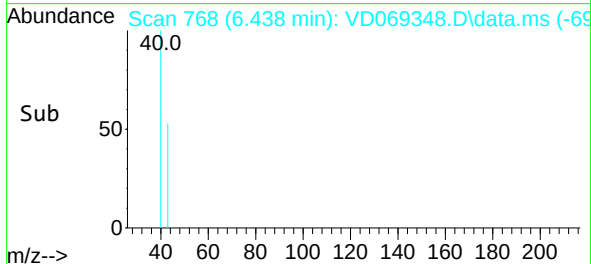
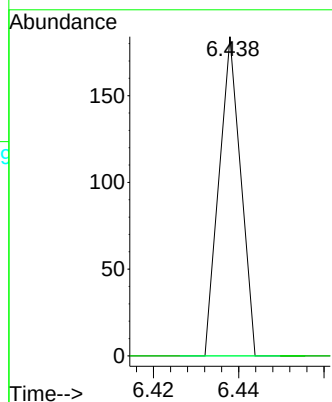
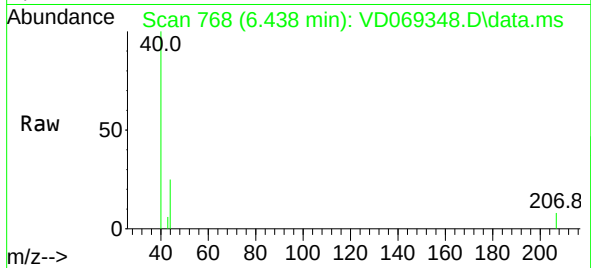




#23
 Vinyl Acetate
 Concen: 11.626 ug/l
 RT: 6.438 min Scan# 768
 Delta R.T. 0.129 min
 Lab File: VD069348.D
 Acq: 04 Jun 2021 16:19

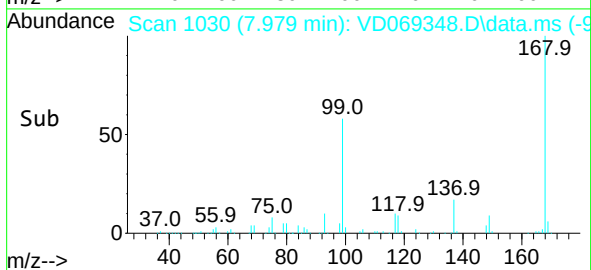
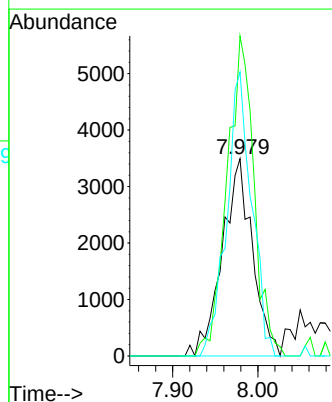
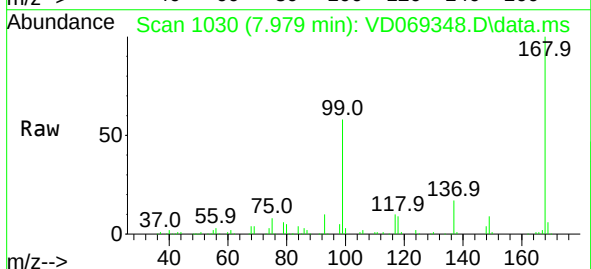
Instrument :
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 ClientSampleId :
 RO-CHRT-27166

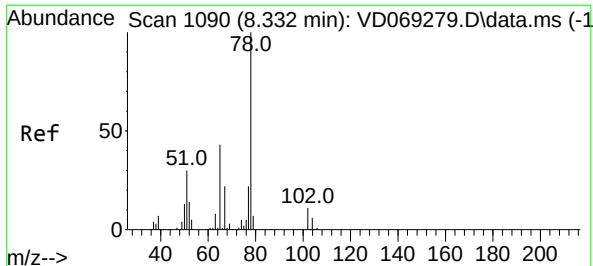
Tgt Ion: 43 Resp: 65
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.5 15.7#



#31
 Cyclohexane
 Concen: 1.867 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: VD069348.D
 Acq: 04 Jun 2021 16:19

Tgt Ion: 56 Resp: 8593
 Ion Ratio Lower Upper
 56 100
 69 162.1 29.0 43.4#
 84 143.9 81.1 121.7#

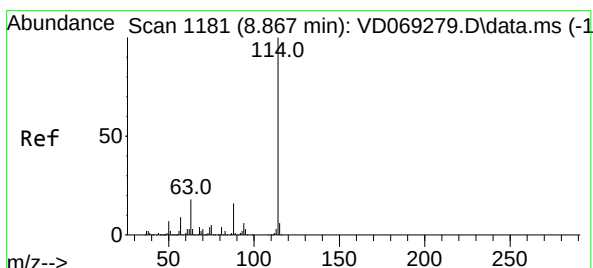
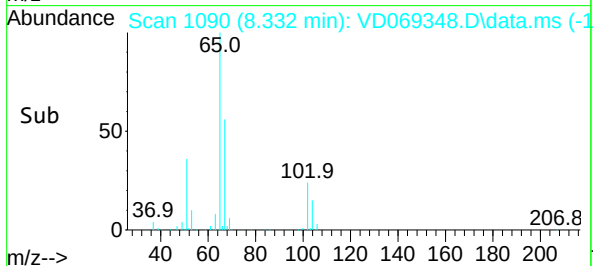
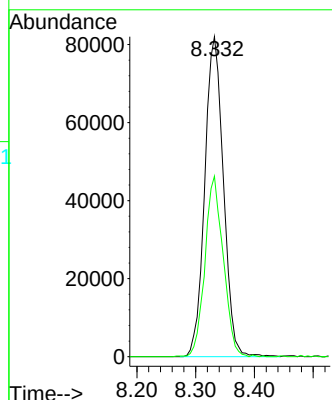
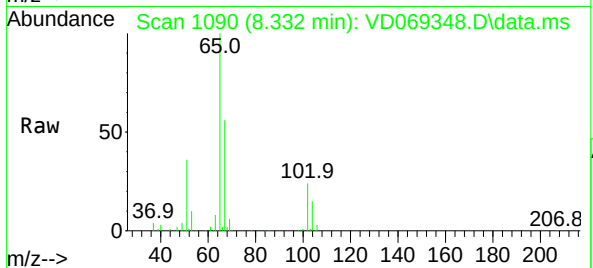




#33
1,2-Dichloroethane-d4
Concen: 62.577 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069348.D
Acq: 04 Jun 2021 16:19

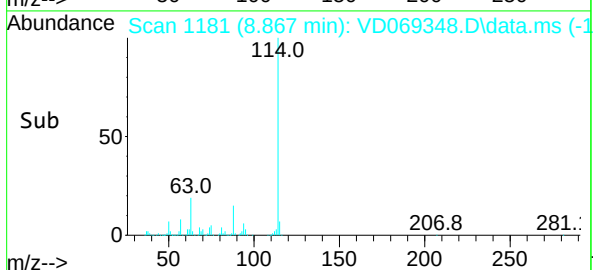
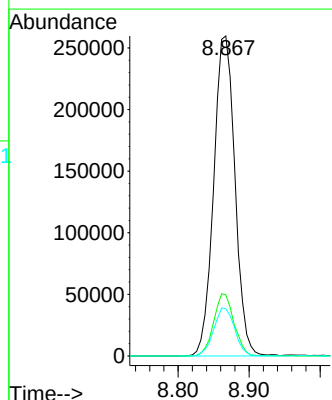
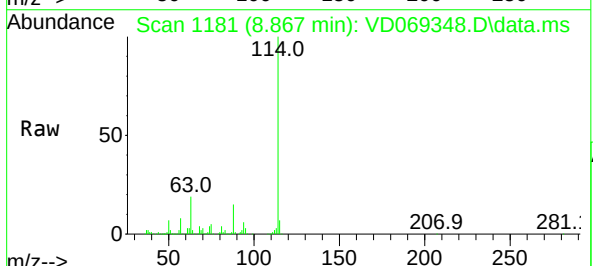
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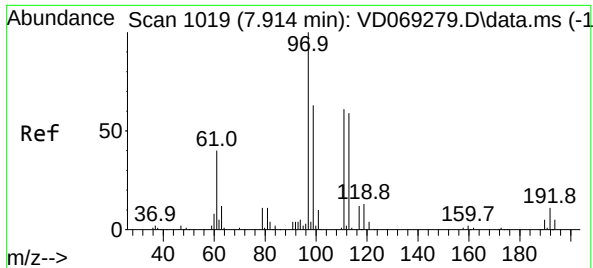
Tgt Ion: 65 Resp: 181236
Ion Ratio Lower Upper
65 100
67 55.0 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069348.D
Acq: 04 Jun 2021 16:19

Tgt Ion: 114 Resp: 539405
Ion Ratio Lower Upper
114 100
63 19.1 0.0 35.6
88 14.8 0.0 31.2

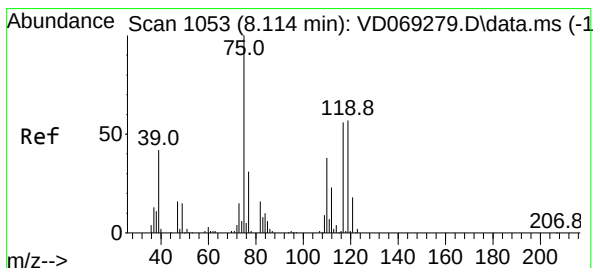
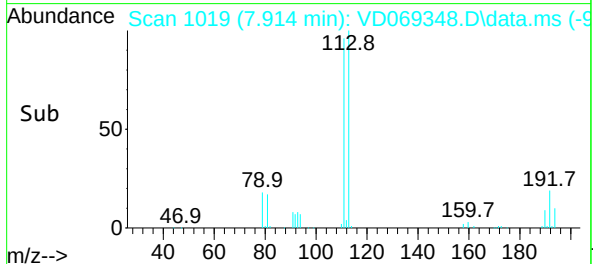
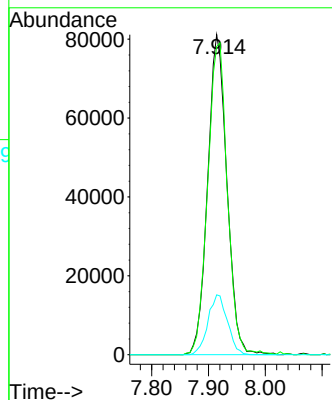
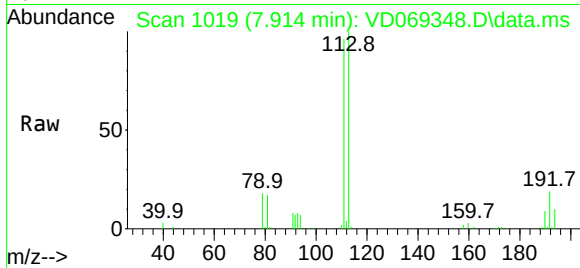




#35
Dibromofluoromethane
Concen: 56.303 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069348.D
Acq: 04 Jun 2021 16:19

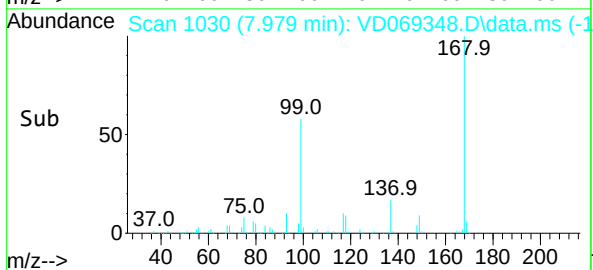
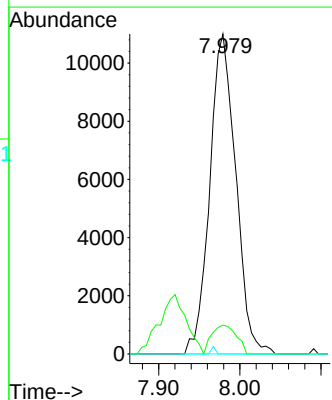
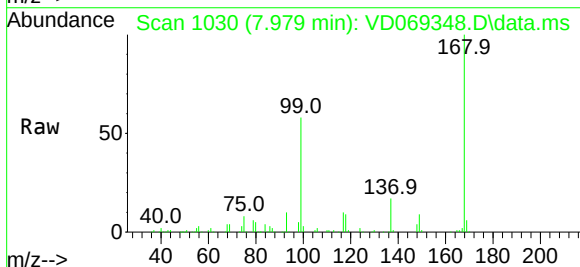
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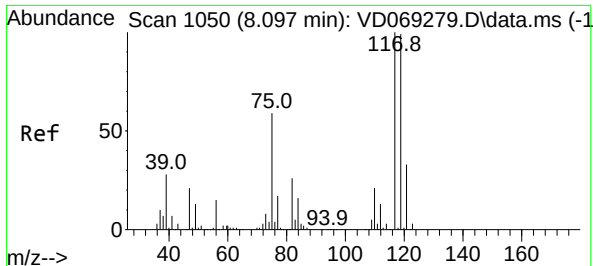
Tgt Ion:113 Resp: 190716
Ion Ratio Lower Upper
113 100
111 99.6 83.0 124.6
192 18.8 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.673 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD069348.D
Acq: 04 Jun 2021 16:19

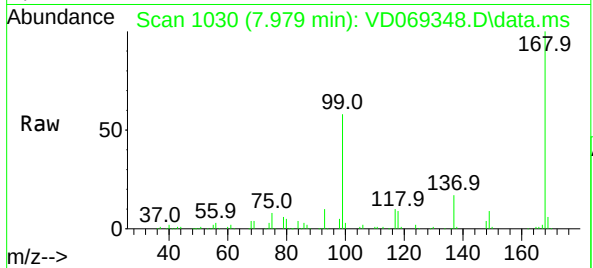
Tgt Ion: 75 Resp: 24499
Ion Ratio Lower Upper
75 100
110 8.6 18.4 55.2#
77 0.4 24.9 37.3#



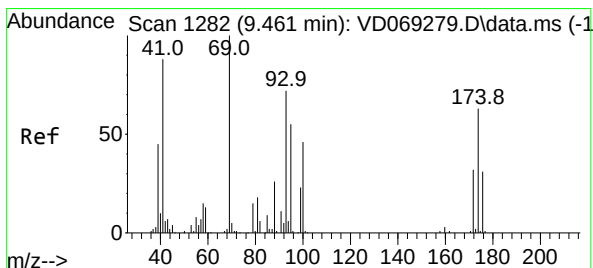
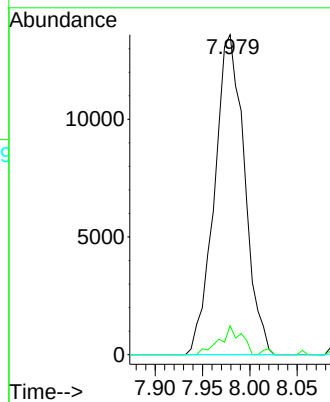
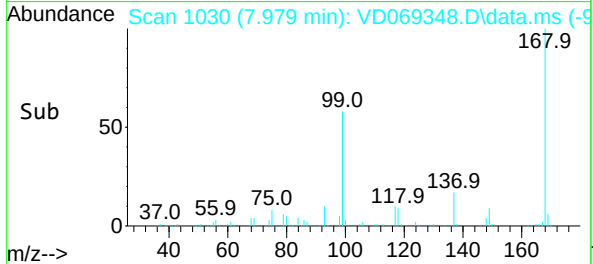


#38
Carbon Tetrachloride
Concen: 5.287 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069348.D
Acq: 04 Jun 2021 16:19

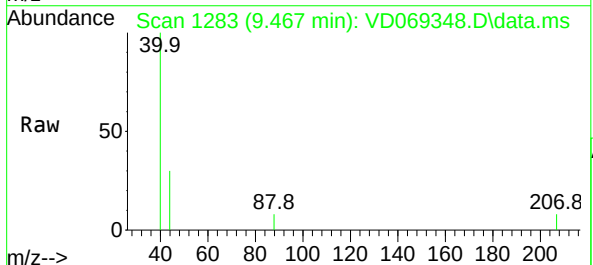
Instrument :
MSVOA_D
ClientSampleId :
RO-CHRT-27166



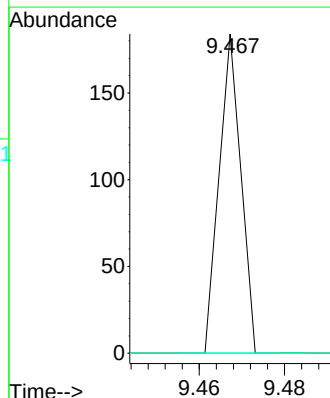
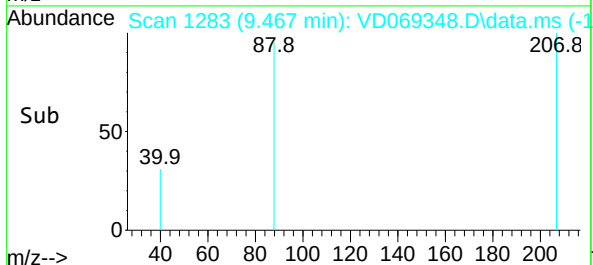
Tgt Ion: 117 Resp: 29931
Ion Ratio Lower Upper
117 100
119 9.0 79.4 119.2#
121 0.0 26.1 39.1#

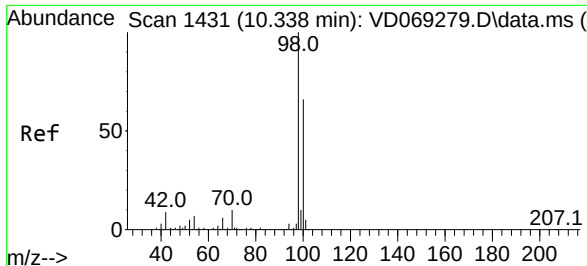


#49
1,4-Dioxane
Concen: 3.193 ug/l
RT: 9.467 min Scan# 1283
Delta R.T. 0.006 min
Lab File: VD069348.D
Acq: 04 Jun 2021 16:19



Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 0.0 25.4 38.2#
58 0.0 50.2 75.4#

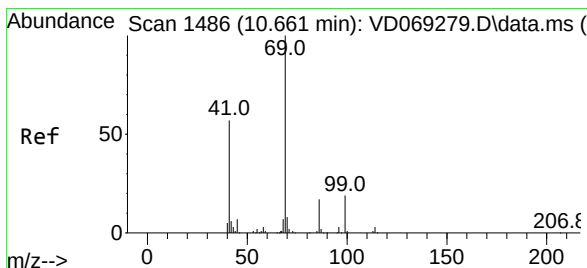
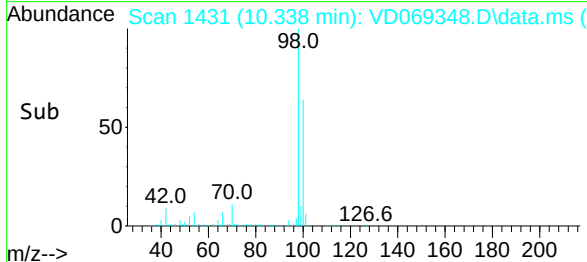
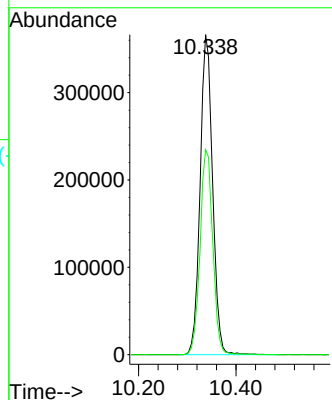
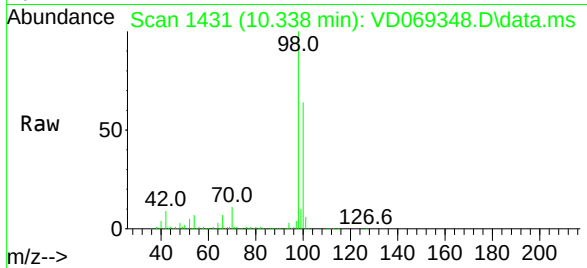




#50
Toluene-d8
Concen: 52.811 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069348.D
Acq: 04 Jun 2021 16:19

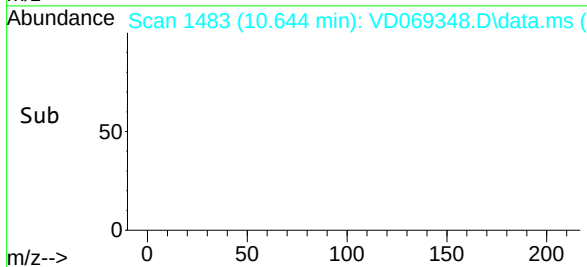
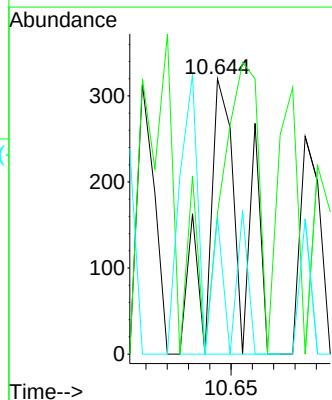
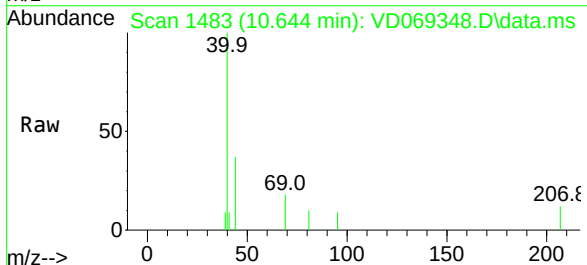
Instrument :
MSVOA_D
ClientSampleId :
RO-CHRT-27166

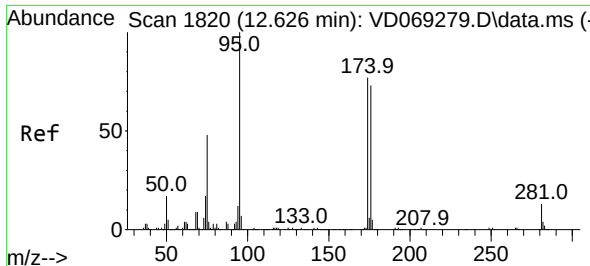
Tgt Ion: 98 Resp: 650507
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#56
Ethyl methacrylate
Concen: 2.741 ug/l
RT: 10.644 min Scan# 1483
Delta R.T. -0.017 min
Lab File: VD069348.D
Acq: 04 Jun 2021 16:19

Tgt Ion: 69 Resp: 358
Ion Ratio Lower Upper
69 100
41 107.3 45.4 68.2#
39 0.0 21.7 32.5#

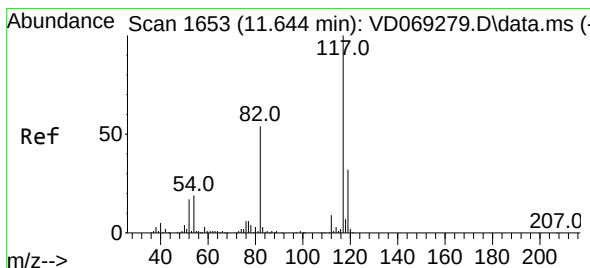
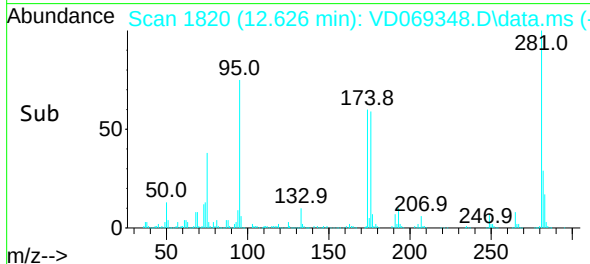
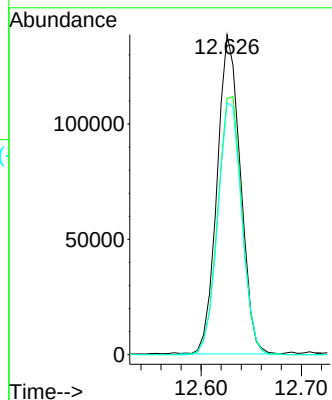
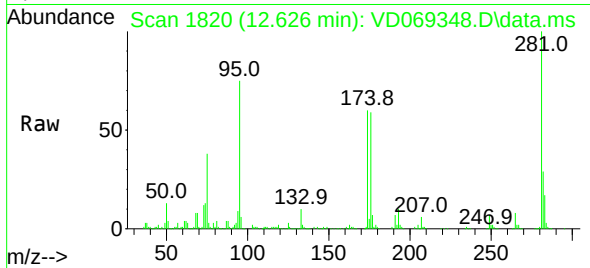




#62
4-Bromofluorobenzene
Concen: 55.295 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069348.D
Acq: 04 Jun 2021 16:19

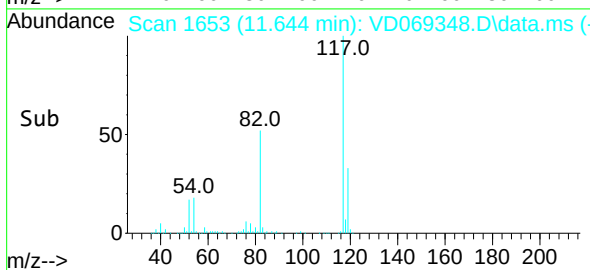
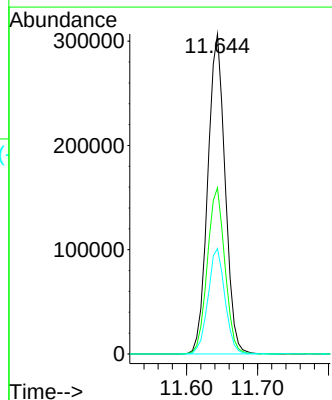
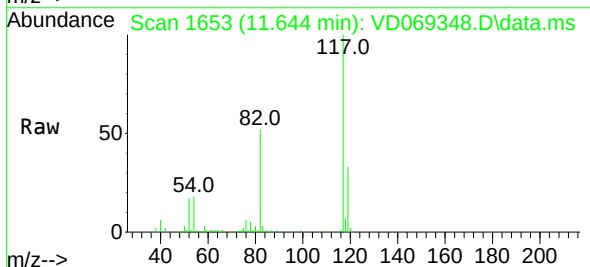
Instrument :
MSVOA_D
ClientSampleId :
RO-CHRT-27166

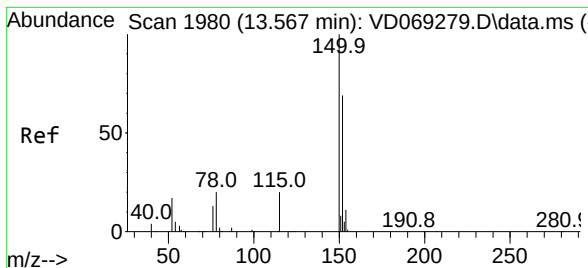
Tgt Ion: 95 Resp: 223179
Ion Ratio Lower Upper
95 100
174 83.7 0.0 162.8
176 81.6 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069348.D
Acq: 04 Jun 2021 16:19

Tgt Ion: 117 Resp: 519241
Ion Ratio Lower Upper
117 100
82 51.9 43.3 64.9
119 33.0 25.3 37.9

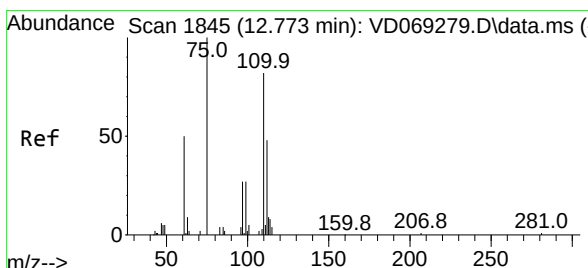
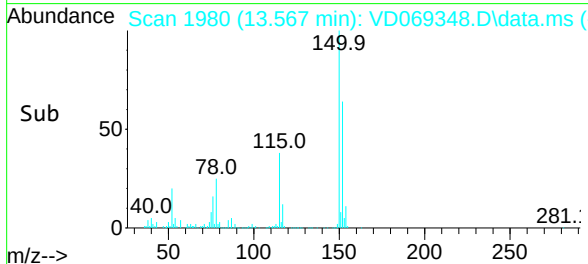
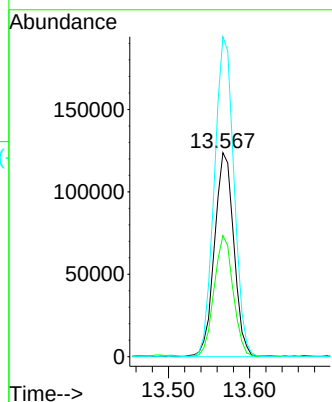
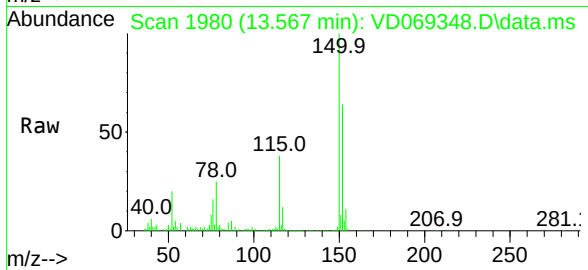




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD069348.D
 Acq: 04 Jun 2021 16:19

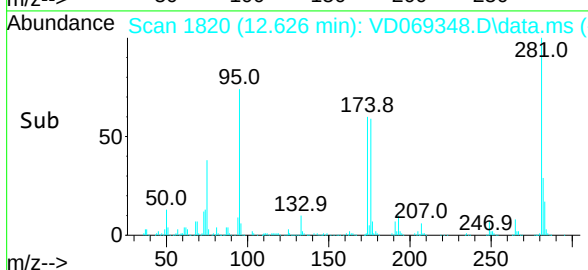
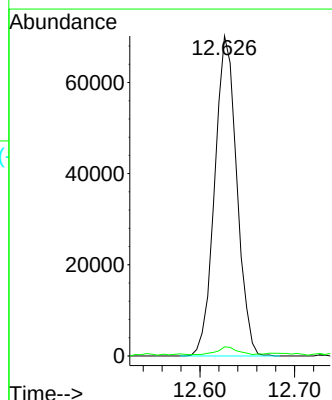
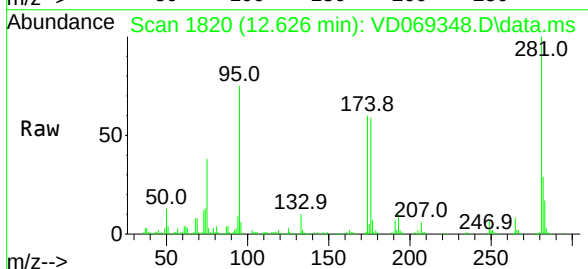
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-CHRT-27166

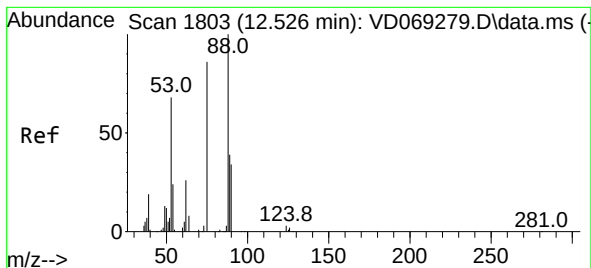
Tgt Ion:152 Resp: 205858
 Ion Ratio Lower Upper
 152 100
 115 58.0 29.4 88.3
 150 158.4 0.0 355.0



#76
 1,2,3-Trichloropropane
 Concen: 63.599 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069348.D
 Acq: 04 Jun 2021 16:19

Tgt Ion: 75 Resp: 113750
 Ion Ratio Lower Upper
 75 100
 77 2.8 183.8 551.2#

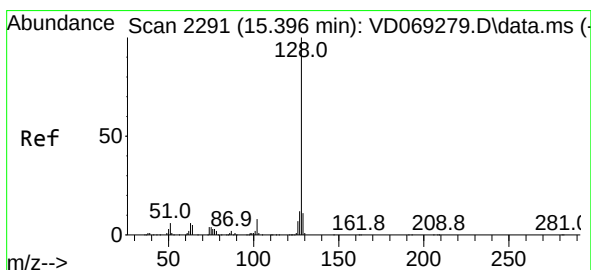
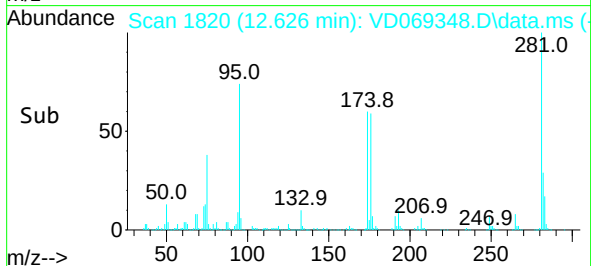
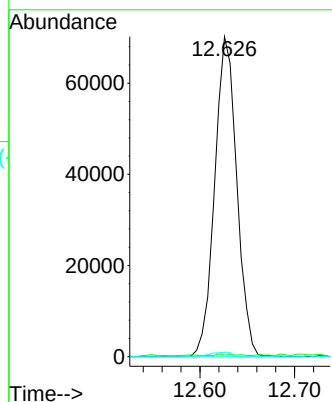
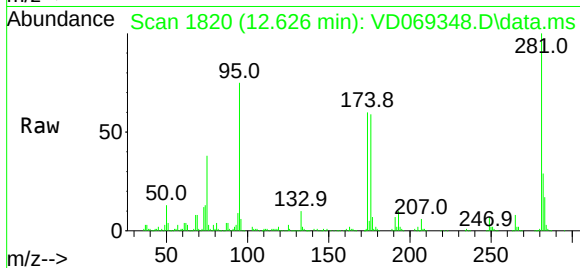




#81
trans-1,4-Dichloro-2-butene
Concen: 140.935 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069348.D
Acq: 04 Jun 2021 16:19

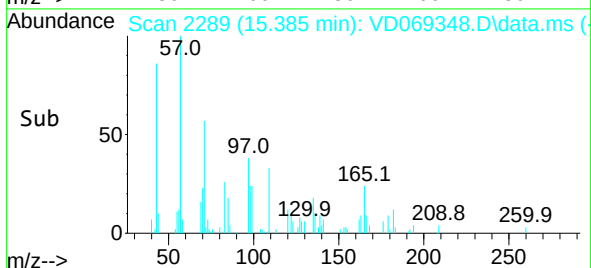
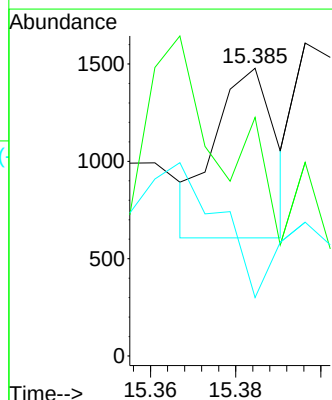
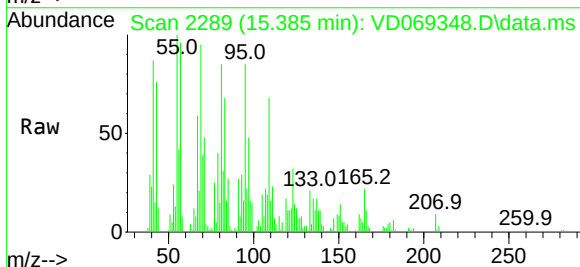
Instrument :
MSVOA_D
ClientSampleId :
RO-CHRT-27166

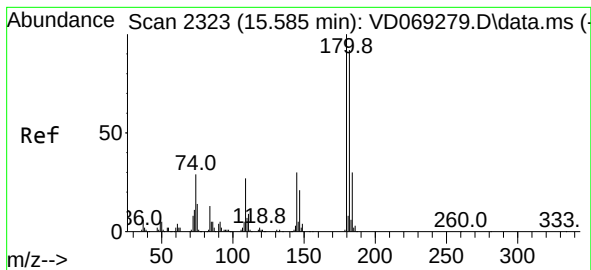
Tgt Ion: 75 Resp: 113750
Ion Ratio Lower Upper
75 100
53 0.6 62.6 94.0#
89 1.3 35.6 53.4#



#95
Naphthalene
Concen: 3.415 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.011 min
Lab File: VD069348.D
Acq: 04 Jun 2021 16:19

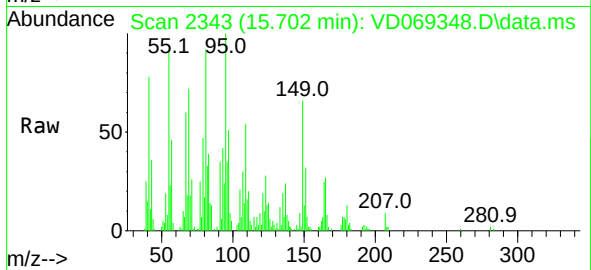
Tgt Ion: 128 Resp: 854
Ion Ratio Lower Upper
128 100
127 291.5 10.4 15.6#
129 0.0 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.303 ug/l
 RT: 15.702 min Scan# 2343
 Delta R.T. 0.118 min
 Lab File: VD069348.D
 Acq: 04 Jun 2021 16:19

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-CHRT-27166



Tgt Ion:	180	Resp:	4070
Ion	Ratio	Lower	Upper
180	100		
182	49.3	47.0	141.0
145	20.9	15.9	47.7

