

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060821\
 Data File : VD069388.D
 Acq On : 08 Jun 2021 13:24
 Operator : VA/SY
 Sample : M2625-03RE
 Misc : 6.9G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 09 02:09:06 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)

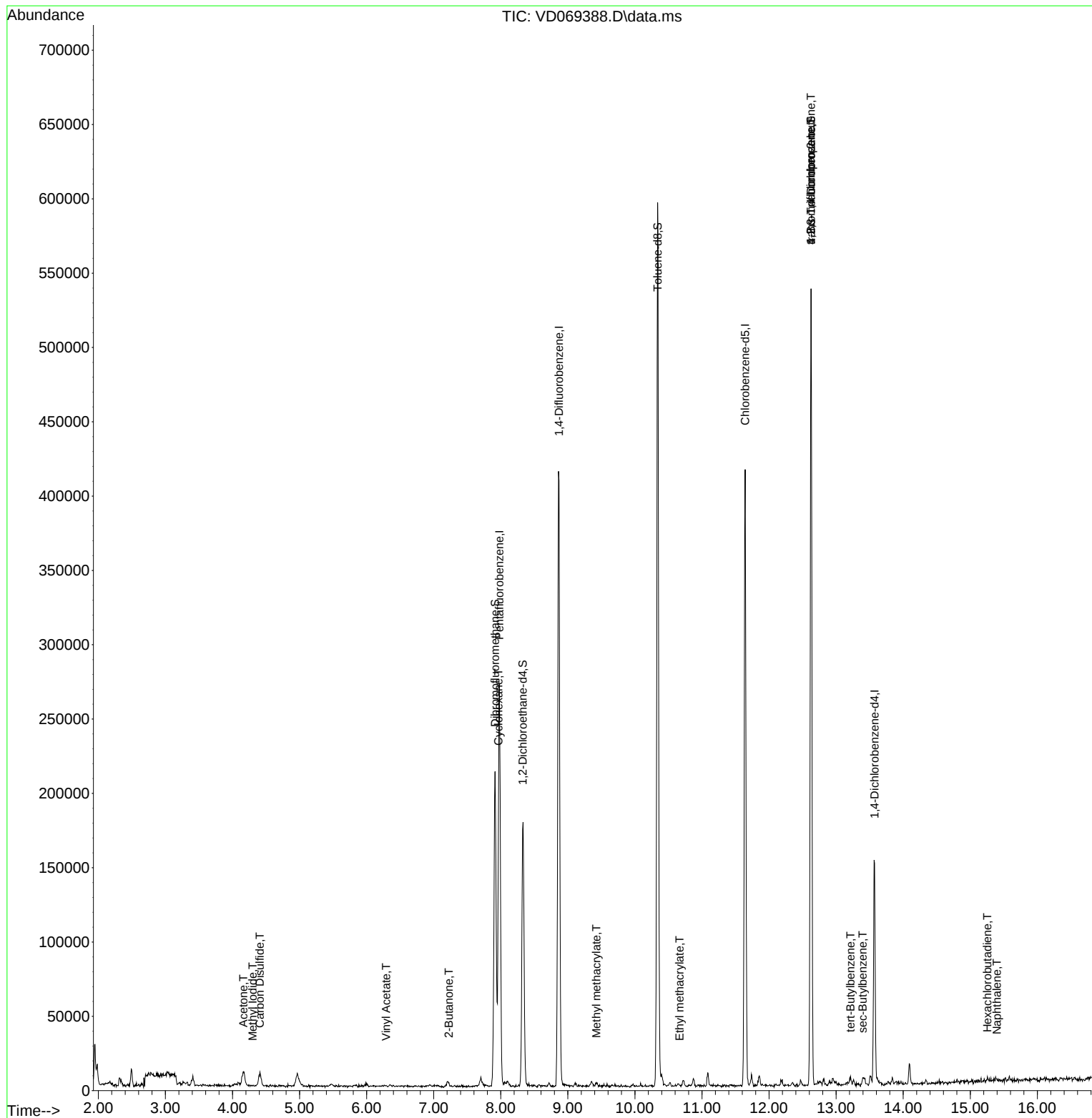
Internal Standards						
1) Pentafluorobenzene	7.979	168	201119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	369659	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	253699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	42947	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	144917	75.095	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 150.200%	
35) Dibromofluoromethane	7.914	113	148892	64.140	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 128.280%	
50) Toluene-d8	10.338	98	421188	49.896	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.800%	
62) 4-Bromofluorobenzene	12.626	95	66965	24.210	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 48.420%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	779	2.836	ug/l #	57
11) Tert butyl alcohol	5.238	59	68	Below Cal	#	73
16) Acetone	4.162	43	18049	53.596	ug/l	94
17) Carbon Disulfide	4.409	76	19654	2.946	ug/l	98
20) Methylene Chloride	4.967	84	7093	Below Cal	#	86
23) Vinyl Acetate	6.291	43	80	11.637	ug/l #	67
25) 2-Butanone	7.226	43	1263	2.850	ug/l #	45
31) Cyclohexane	7.967	56	5352	1.745	ug/l #	50
48) Methyl methacrylate	9.426	41	1168	1.133	ug/l #	35
56) Ethyl methacrylate	10.667	69	389	2.802	ug/l #	48
76) 1,2,3-Trichloropropane	12.626	75	35425	94.938	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	35425	210.384	ug/l #	20
83) tert-Butylbenzene	13.214	119	2221	1.065	ug/l	94
85) sec-Butylbenzene	13.396	105	3107	1.010	ug/l	90
94) Hexachlorobutadiene	15.255	225	542	1.166	ug/l	93
95) Naphthalene	15.396	128	1140	4.028	ug/l #	85

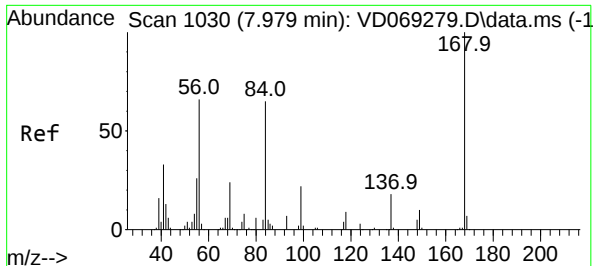
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
ClientSampled :

Quant Time: Jun 09 02:09:06 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

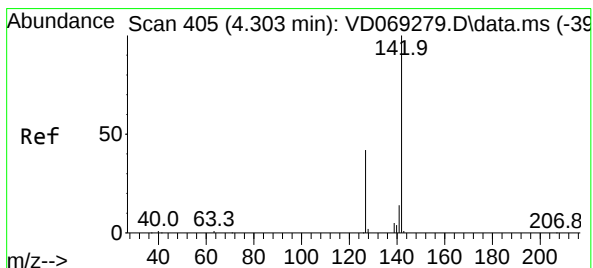
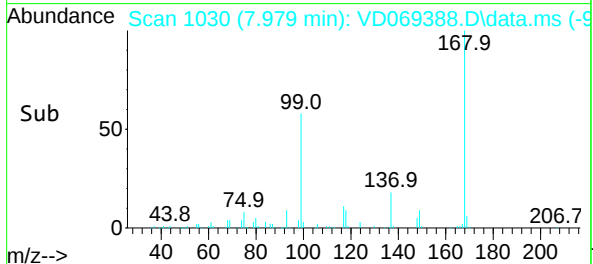
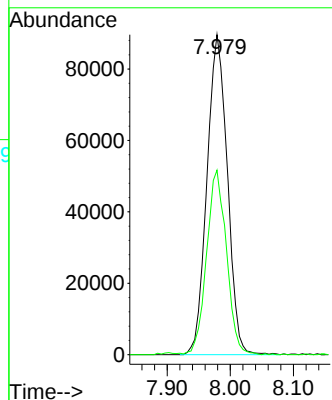
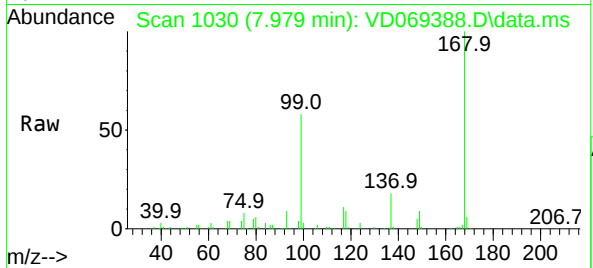




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069388.D
Acq: 08 Jun 2021 13:24

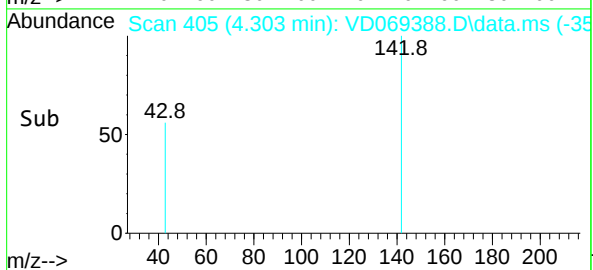
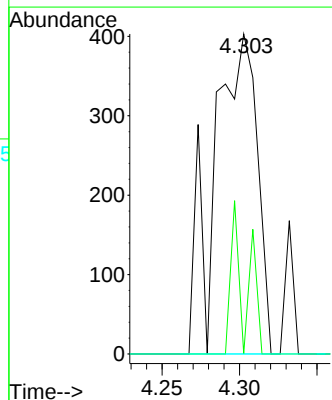
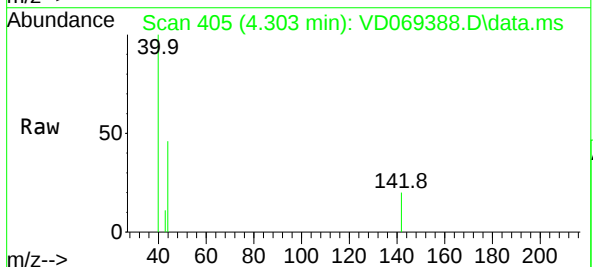
Instrument :
MSVOA_D
ClientSampleId :

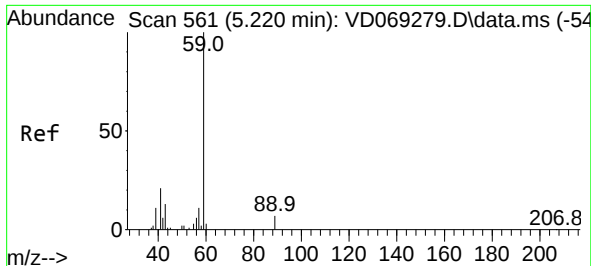
Tgt Ion:168 Resp: 201119
Ion Ratio Lower Upper
168 100
99 57.6 46.2 69.2



#10
Methyl Iodide
Concen: 2.836 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD069388.D
Acq: 08 Jun 2021 13:24

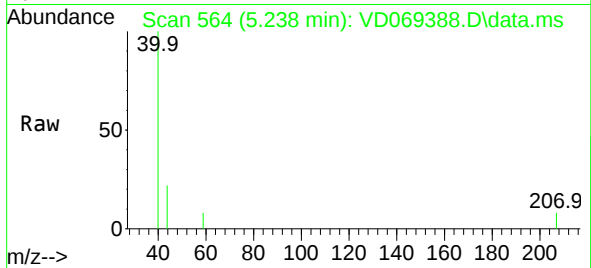
Tgt Ion:142 Resp: 779
Ion Ratio Lower Upper
142 100
127 15.9 36.2 54.2#
141 0.0 12.2 18.2#



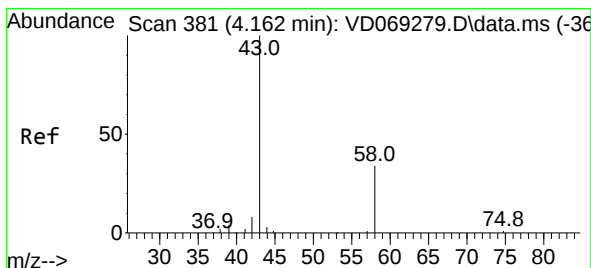
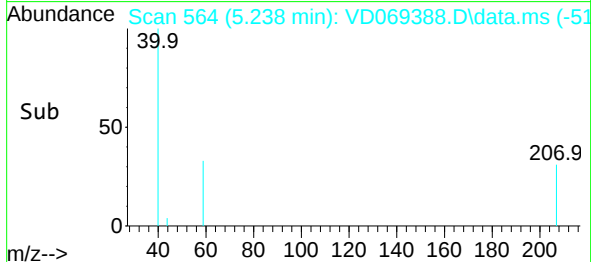
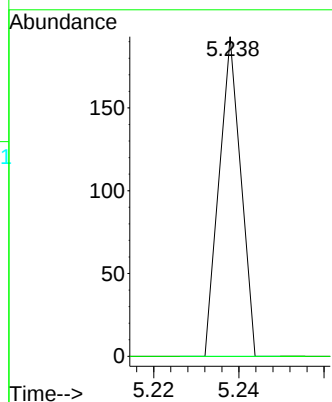


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.238 min Scan# 564
Delta R.T. 0.018 min
Lab File: VD069388.D
Acq: 08 Jun 2021 13:24

Instrument :
MSVOA_D
ClientSampled :

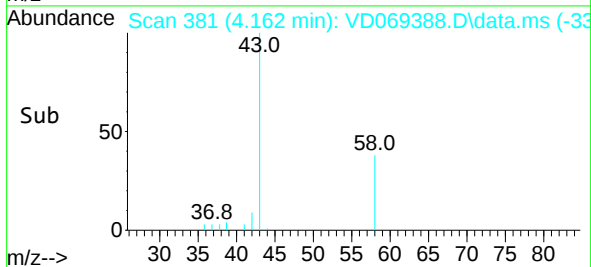
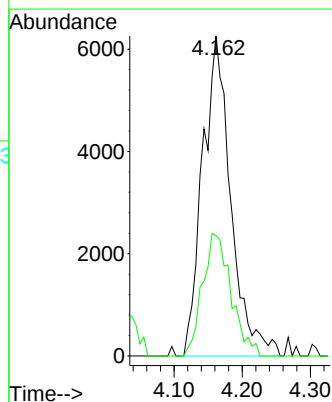
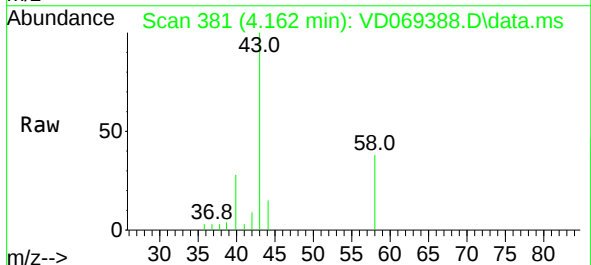


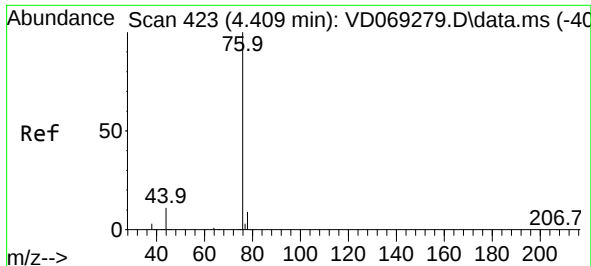
Tgt Ion: 59 Resp: 68
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 53.596 ug/l
RT: 4.162 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069388.D
Acq: 08 Jun 2021 13:24

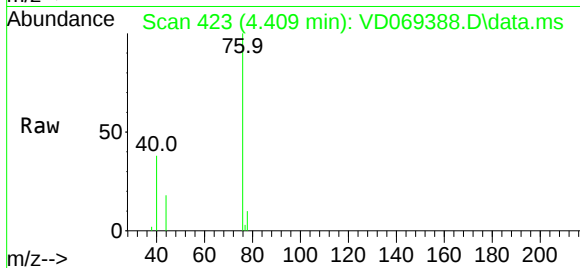
Tgt Ion: 43 Resp: 18049
Ion Ratio Lower Upper
43 100
58 37.7 27.5 41.3



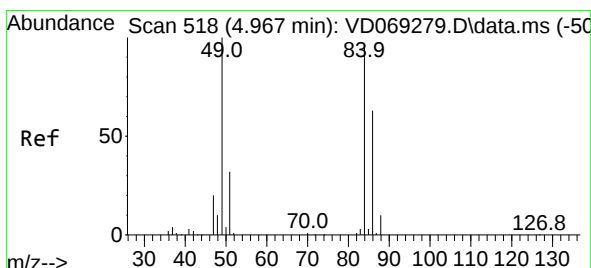
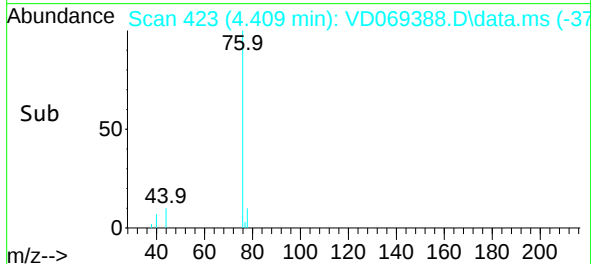
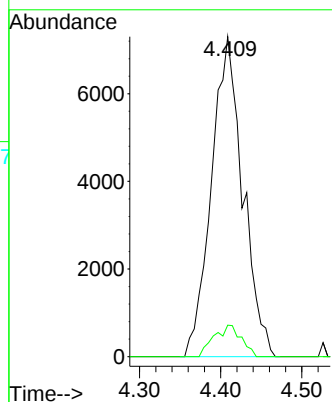


#17
Carbon Disulfide
Concen: 2.946 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069388.D
Acq: 08 Jun 2021 13:24

Instrument :
MSVOA_D
ClientSampled :

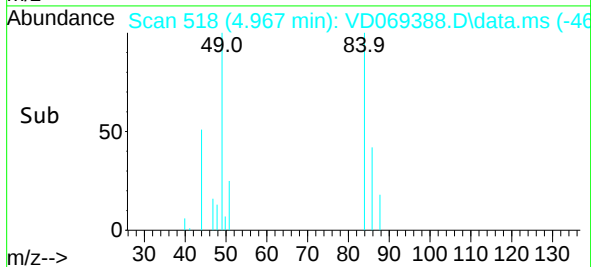
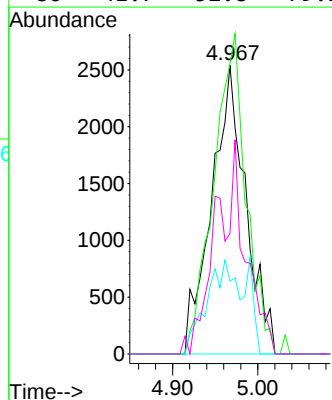
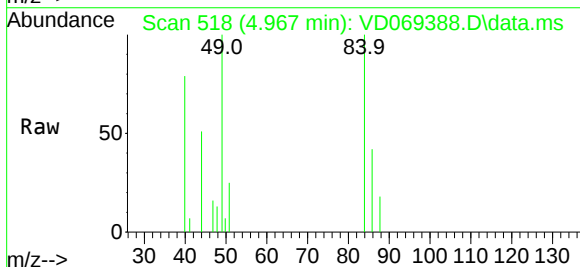


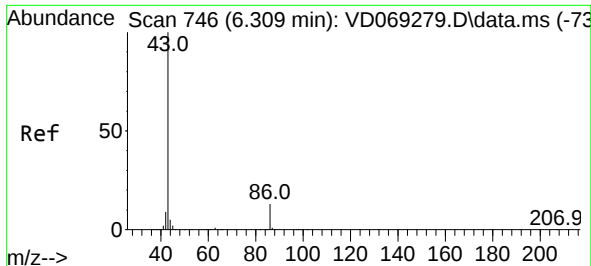
Tgt Ion: 76 Resp: 19654
Ion Ratio Lower Upper
76 100
78 9.9 7.4 11.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD069388.D
Acq: 08 Jun 2021 13:24

Tgt Ion: 84 Resp: 7093
Ion Ratio Lower Upper
84 100
49 100.4 83.7 125.5
51 25.3 26.4 39.6#
86 41.7 52.8 79.2#

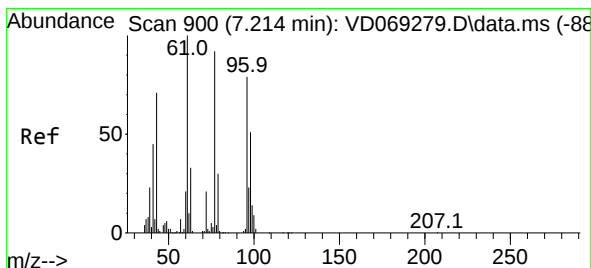
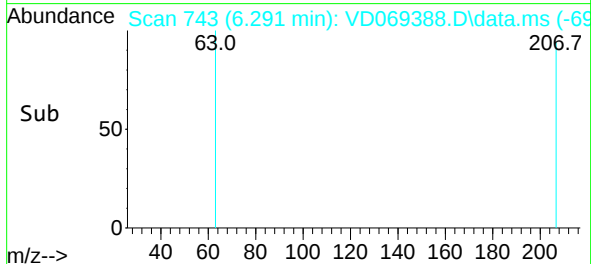
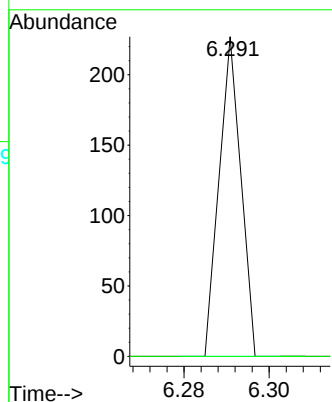
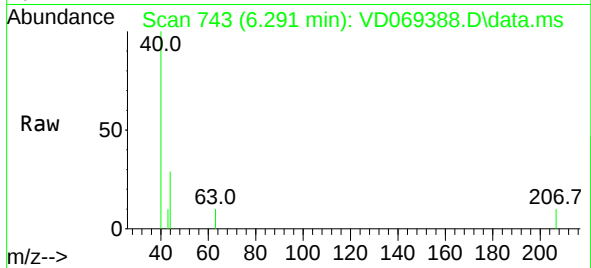




#23
 Vinyl Acetate
 Concen: 11.637 ug/l
 RT: 6.291 min Scan# 743
 Delta R.T. -0.018 min
 Lab File: VD069388.D
 Acq: 08 Jun 2021 13:24

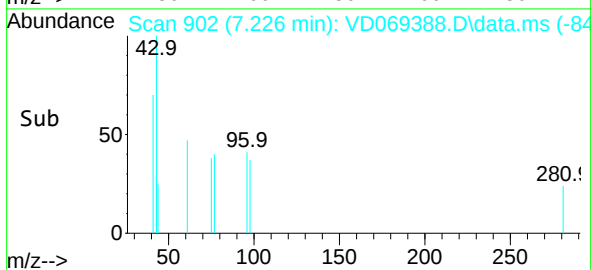
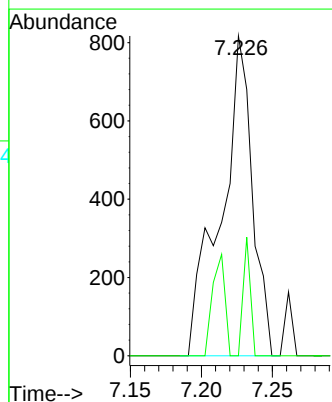
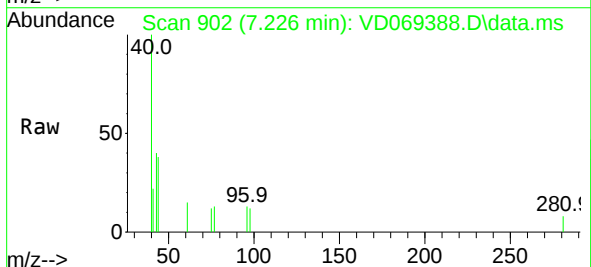
Instrument :
 MSVOA_D
 ClientSampled :

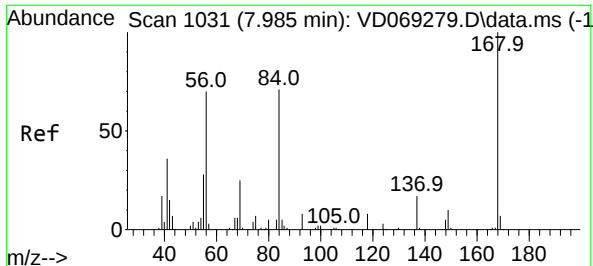
Tgt Ion: 43 Resp: 80
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.5 15.7#



#25
 2-Butanone
 Concen: 2.850 ug/l
 RT: 7.226 min Scan# 902
 Delta R.T. 0.012 min
 Lab File: VD069388.D
 Acq: 08 Jun 2021 13:24

Tgt Ion: 43 Resp: 1263
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.9 35.9#

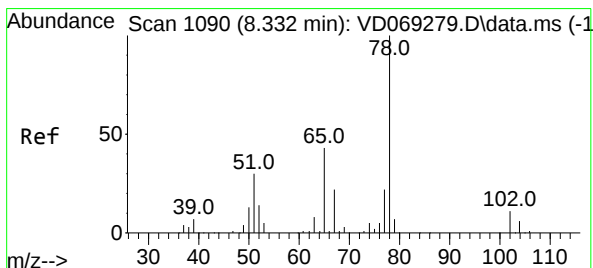
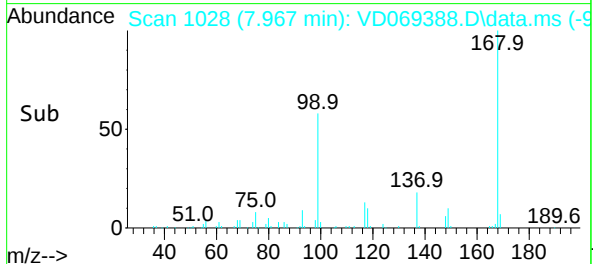
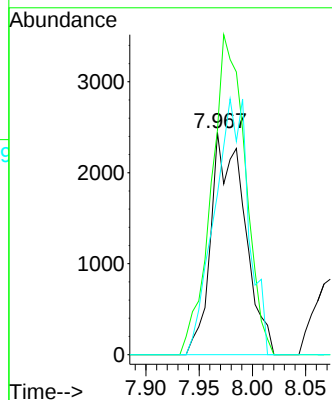
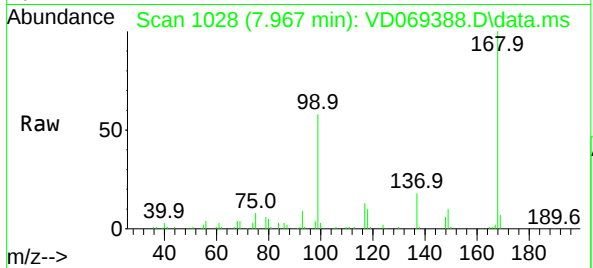




#31
Cyclohexane
Concen: 1.745 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD069388.D
Acq: 08 Jun 2021 13:24

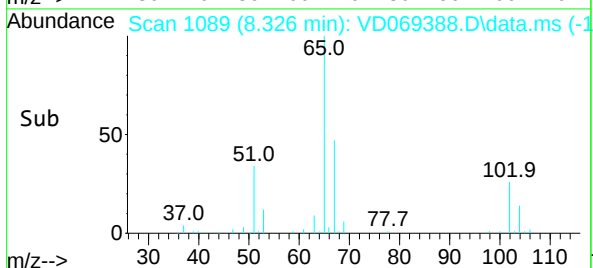
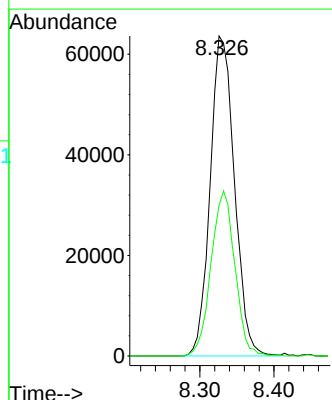
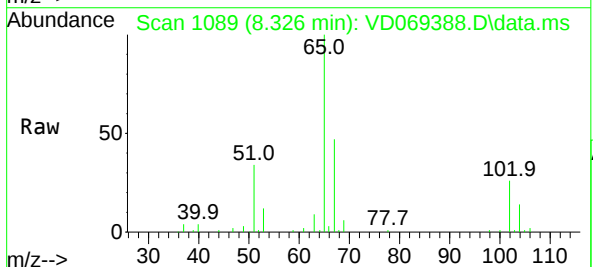
Instrument :
MSVOA_D
ClientSampled :

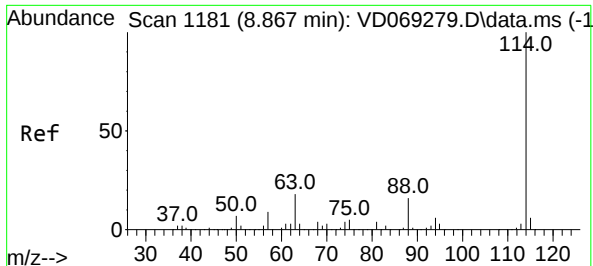
Tgt Ion: 56 Resp: 5352
Ion Ratio Lower Upper
56 100
69 101.2 29.0 43.4#
84 72.3 81.1 121.7#



#33
1,2-Dichloroethane-d4
Concen: 75.095 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069388.D
Acq: 08 Jun 2021 13:24

Tgt Ion: 65 Resp: 144917
Ion Ratio Lower Upper
65 100
67 50.5 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: VD069388.D

Acq: 08 Jun 2021 13:24

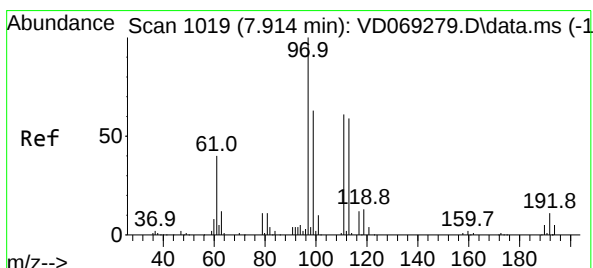
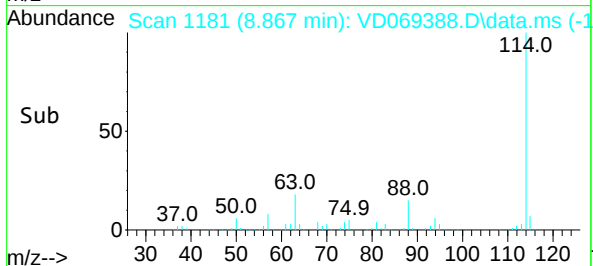
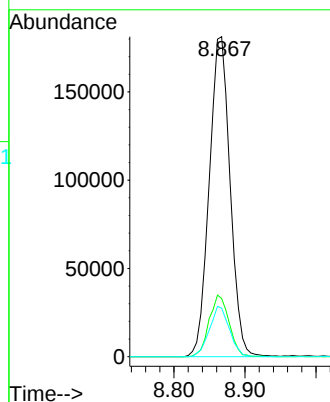
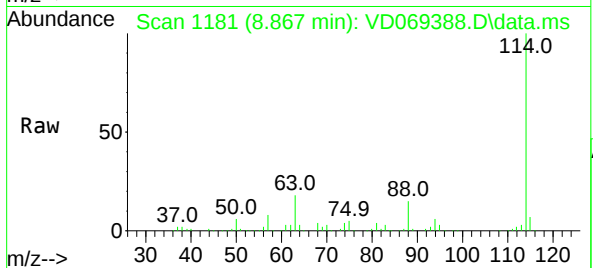
Tgt Ion:114 Resp: 369659

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

88 15.2 0.0 31.2



#35

Dibromofluoromethane

Concen: 64.140 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069388.D

Acq: 08 Jun 2021 13:24

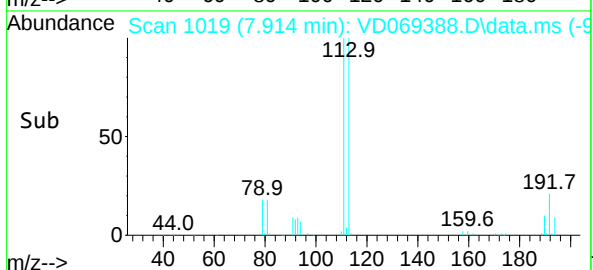
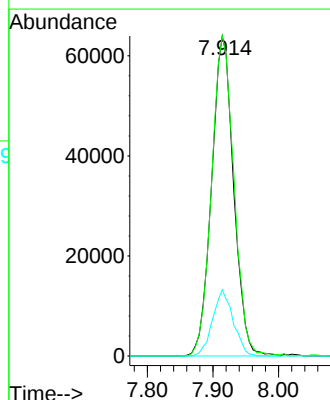
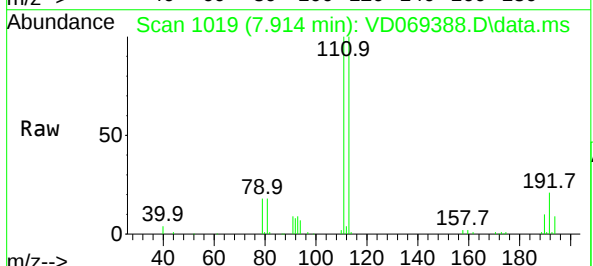
Tgt Ion:113 Resp: 148892

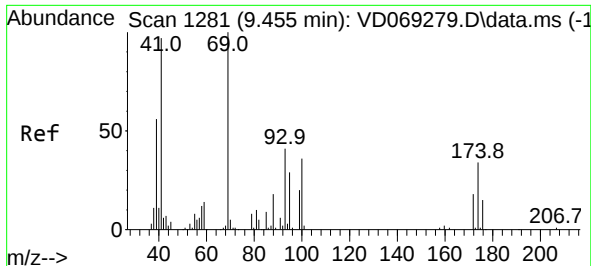
Ion Ratio Lower Upper

113 100

111 101.6 83.0 124.6

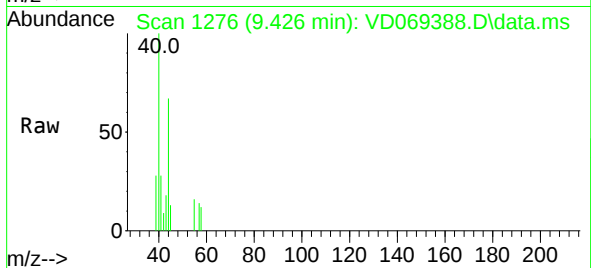
192 19.3 15.1 22.7



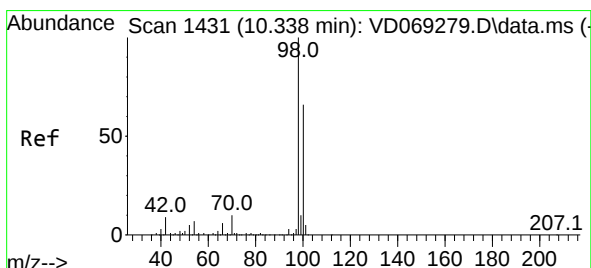
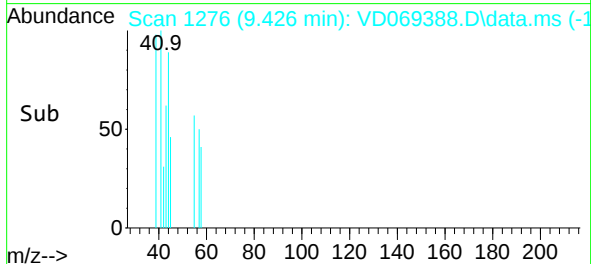
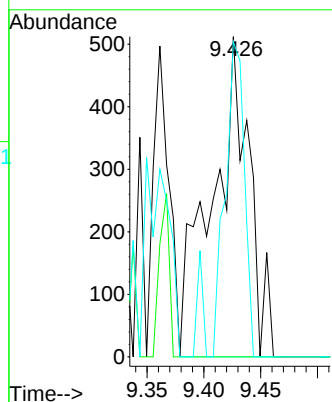


#48
Methyl methacrylate
Concen: 1.133 ug/l
RT: 9.426 min Scan# 1276
Delta R.T. -0.029 min
Lab File: VD069388.D
Acq: 08 Jun 2021 13:24

Instrument :
MSVOA_D
ClientSampled :

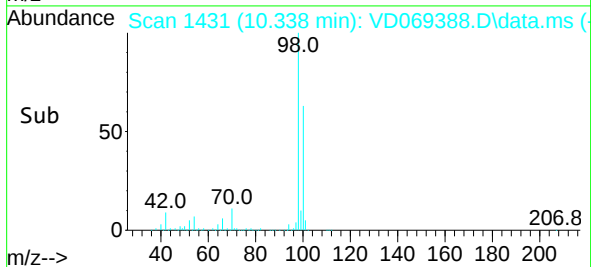
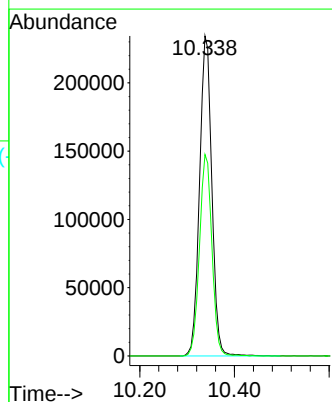
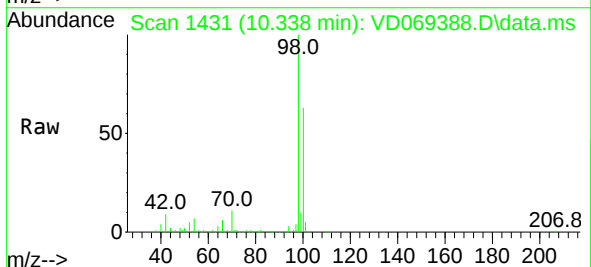


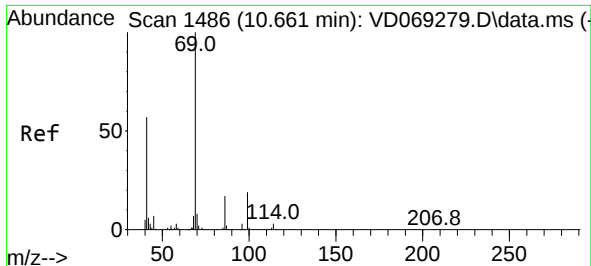
Tgt Ion: 41 Resp: 1168
Ion Ratio Lower Upper
41 100
69 0.0 77.6 116.4#
39 50.5 45.3 67.9



#50
Toluene-d8
Concen: 49.896 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069388.D
Acq: 08 Jun 2021 13:24

Tgt Ion: 98 Resp: 421188
Ion Ratio Lower Upper
98 100
100 63.8 52.1 78.1

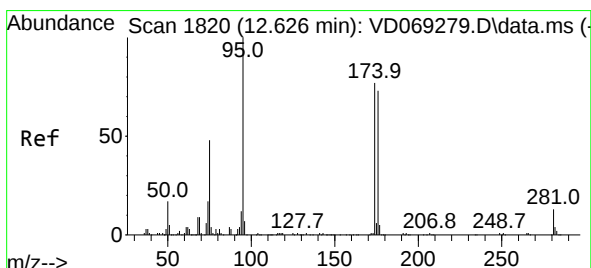
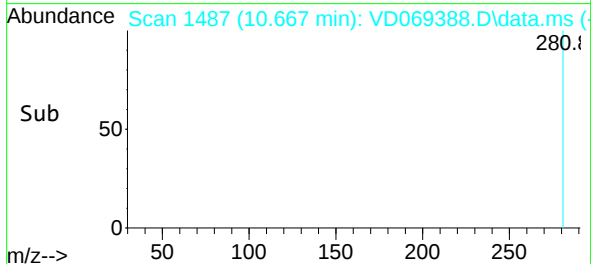
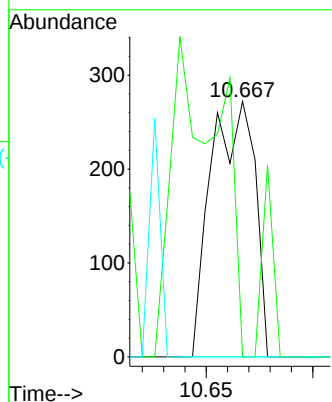
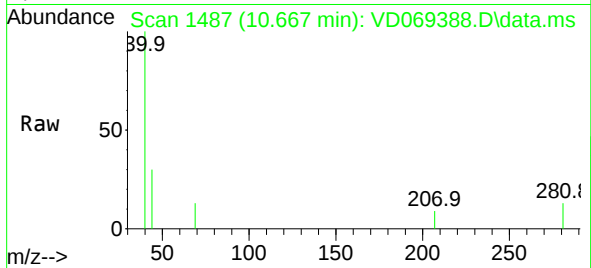




#56
Ethyl methacrylate
Concen: 2.802 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.006 min
Lab File: VD069388.D
Acq: 08 Jun 2021 13:24

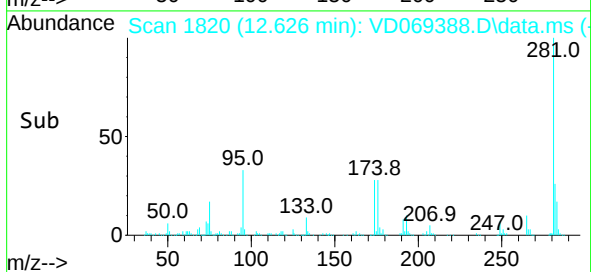
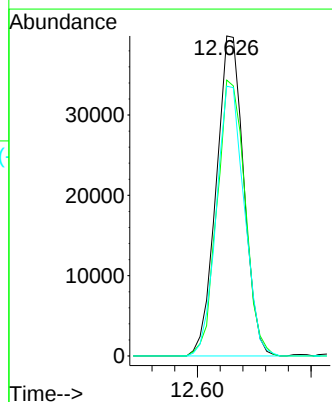
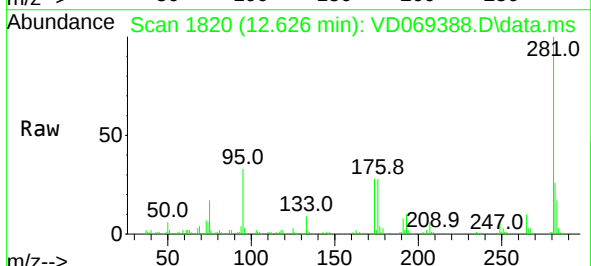
Instrument :
MSVOA_D
ClientSampled :

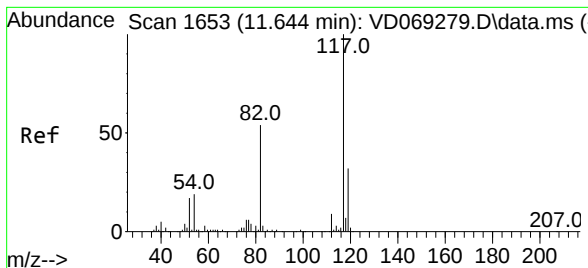
Tgt Ion: 69 Resp: 389
Ion Ratio Lower Upper
69 100
41 18.5 45.4 68.2#
39 0.0 21.7 32.5#



#62
4-Bromofluorobenzene
Concen: 24.210 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069388.D
Acq: 08 Jun 2021 13:24

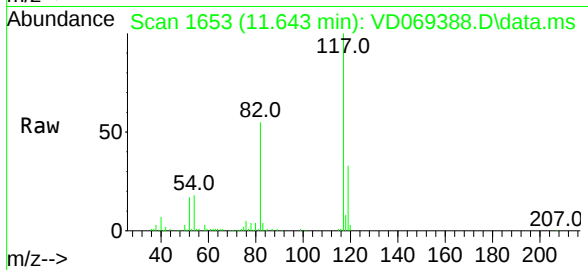
Tgt Ion: 95 Resp: 66965
Ion Ratio Lower Upper
95 100
174 87.6 0.0 162.8
176 85.4 0.0 154.4



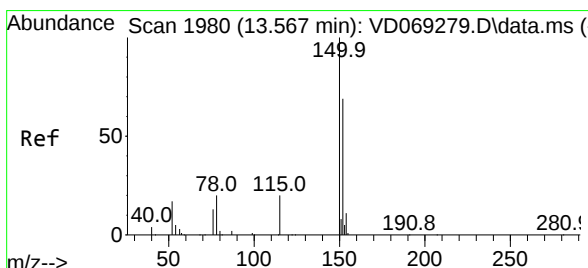
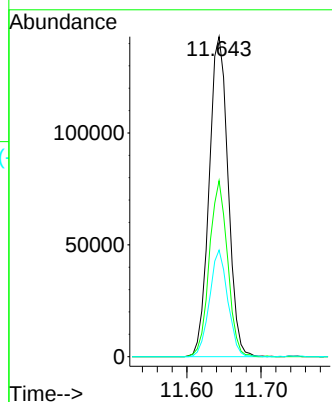
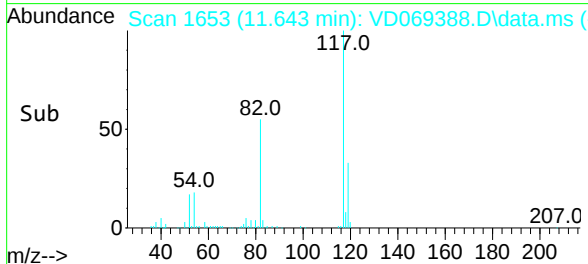


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069388.D
Acq: 08 Jun 2021 13:24

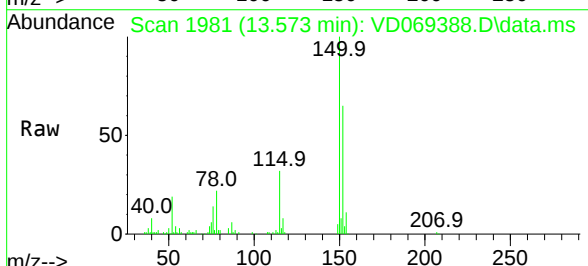
Instrument :
MSVOA_D
ClientSampleId :



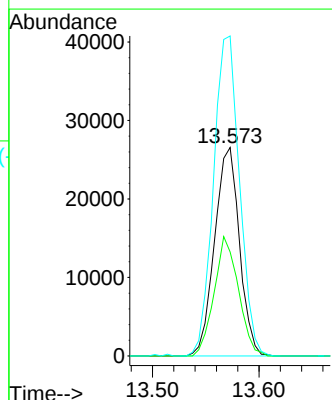
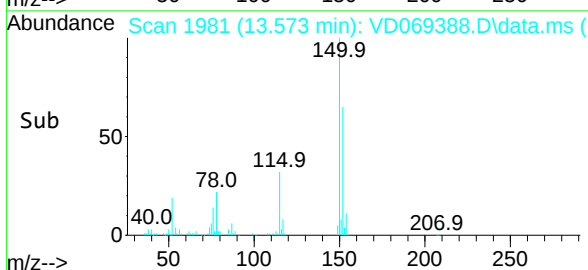
Tgt Ion:117 Resp: 253699
Ion Ratio Lower Upper
117 100
82 55.0 43.3 64.9
119 33.3 25.3 37.9

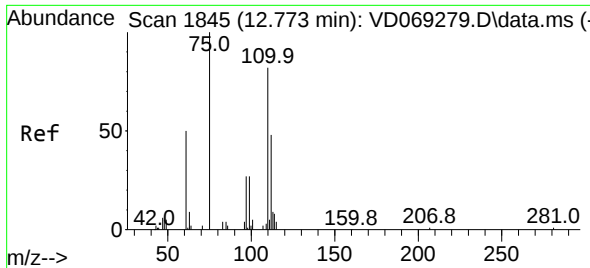


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.006 min
Lab File: VD069388.D
Acq: 08 Jun 2021 13:24



Tgt Ion:152 Resp: 42947
Ion Ratio Lower Upper
152 100
115 55.9 29.4 88.3
150 160.5 0.0 355.0

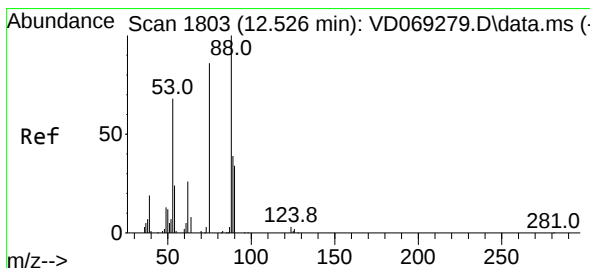
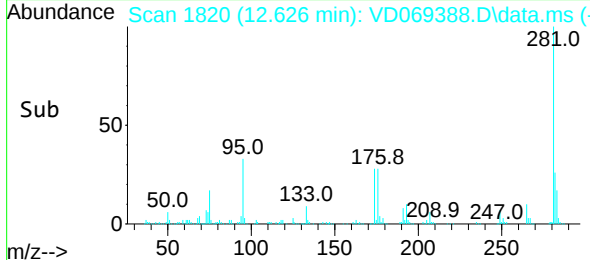
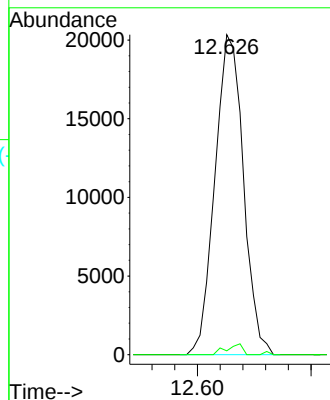
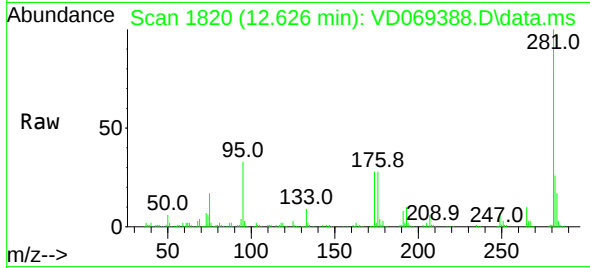




#76
1,2,3-Trichloropropane
Concen: 94.938 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069388.D
Acq: 08 Jun 2021 13:24

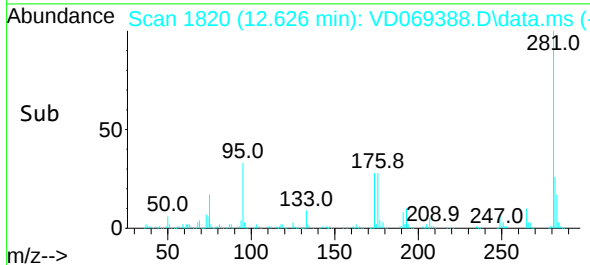
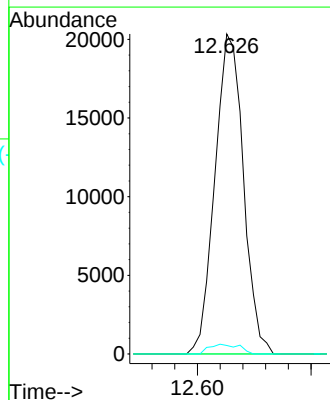
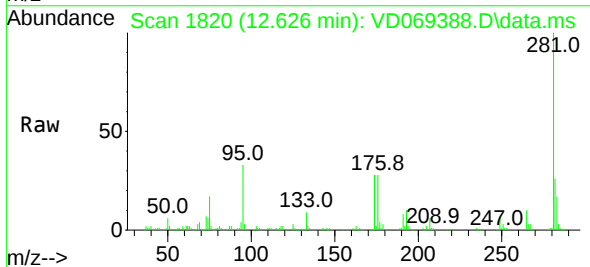
Instrument :
MSVOA_D
ClientSampled :

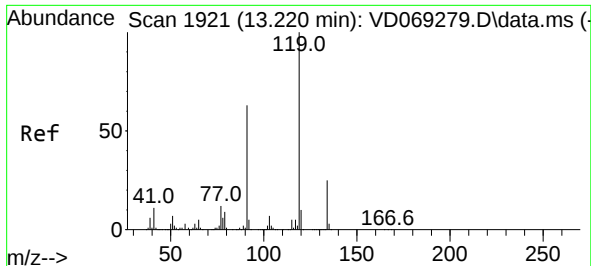
Tgt Ion: 75 Resp: 35425
Ion Ratio Lower Upper
75 100
77 1.9 183.8 551.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 210.384 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069388.D
Acq: 08 Jun 2021 13:24

Tgt Ion: 75 Resp: 35425
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 3.2 35.6 53.4#

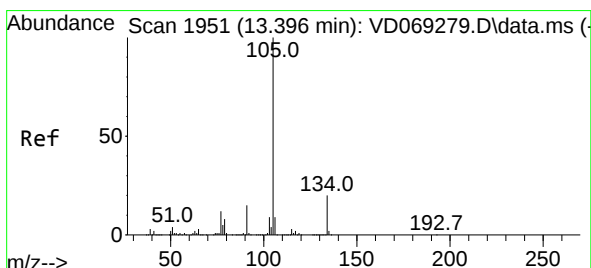
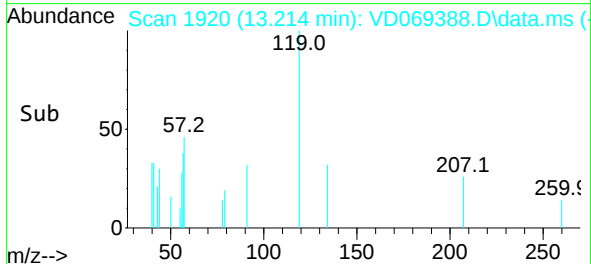
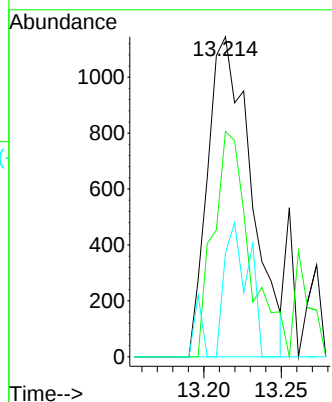
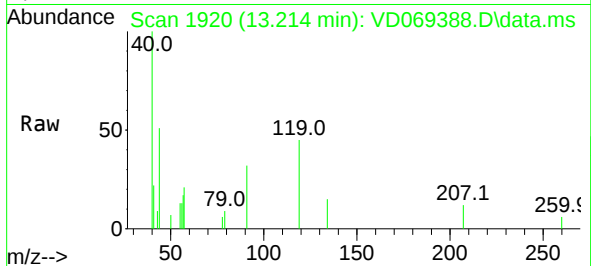




#83
tert-Butylbenzene
Concen: 1.065 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. -0.006 min
Lab File: VD069388.D
Acq: 08 Jun 2021 13:24

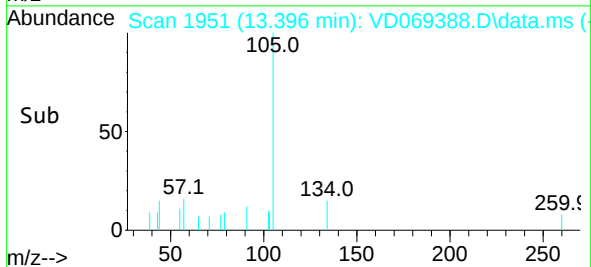
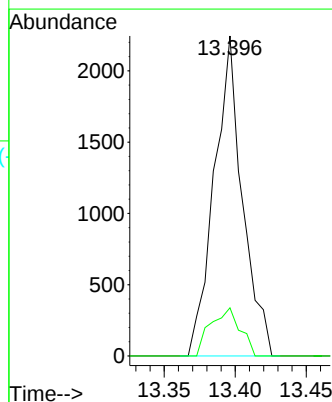
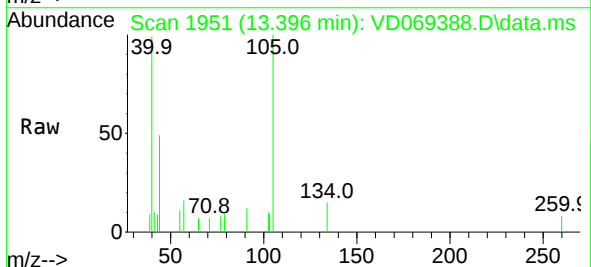
Instrument :
MSVOA_D
ClientSampled :

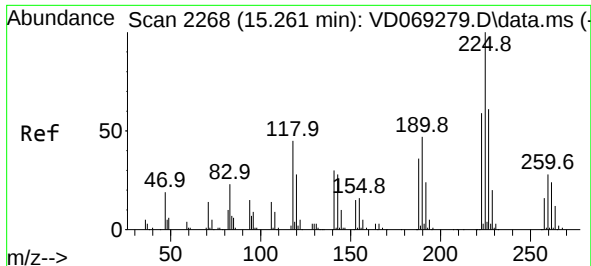
Tgt Ion:119 Resp: 2221
Ion Ratio Lower Upper
119 100
91 59.1 31.7 95.1
134 23.6 13.4 40.1



#85
sec-Butylbenzene
Concen: 1.010 ug/l
RT: 13.396 min Scan# 1951
Delta R.T. -0.000 min
Lab File: VD069388.D
Acq: 08 Jun 2021 13:24

Tgt Ion:105 Resp: 3107
Ion Ratio Lower Upper
105 100
134 15.7 10.1 30.3

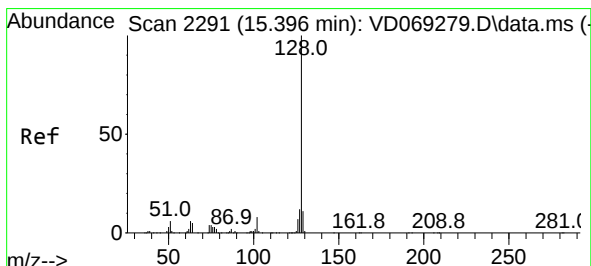
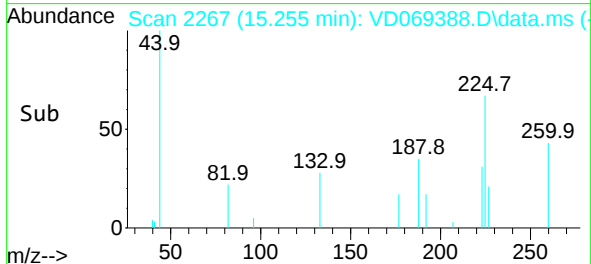
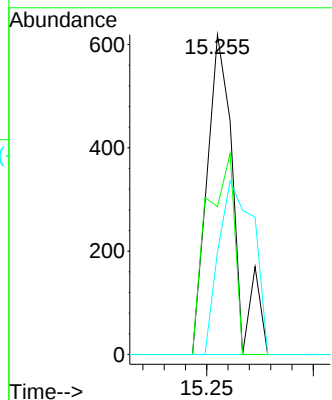
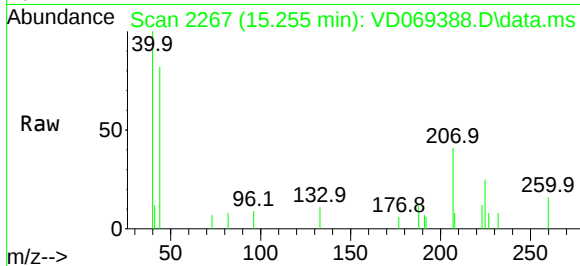




#94
Hexachlorobutadiene
Concen: 1.166 ug/l
RT: 15.255 min Scan# 2267
Delta R.T. -0.006 min
Lab File: VD069388.D
Acq: 08 Jun 2021 13:24

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	225	Resp:	542
Ion Ratio	Lower	Upper	
225	100		
223	63.8	30.5	91.5
227	70.3	31.4	94.2



#95
Naphthalene
Concen: 4.028 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD069388.D
Acq: 08 Jun 2021 13:24

Tgt Ion:	128	Resp:	1140
Ion Ratio	Lower	Upper	
128	100		
127	14.6	10.4	15.6
129	0.0	8.8	13.2

