

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052121\
 Data File : VD069232.D
 Acq On : 21 May 2021 11:59
 Operator : VA/SY
 Sample : VD0521SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0521SBL01

Quant Time: May 21 12:52:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

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

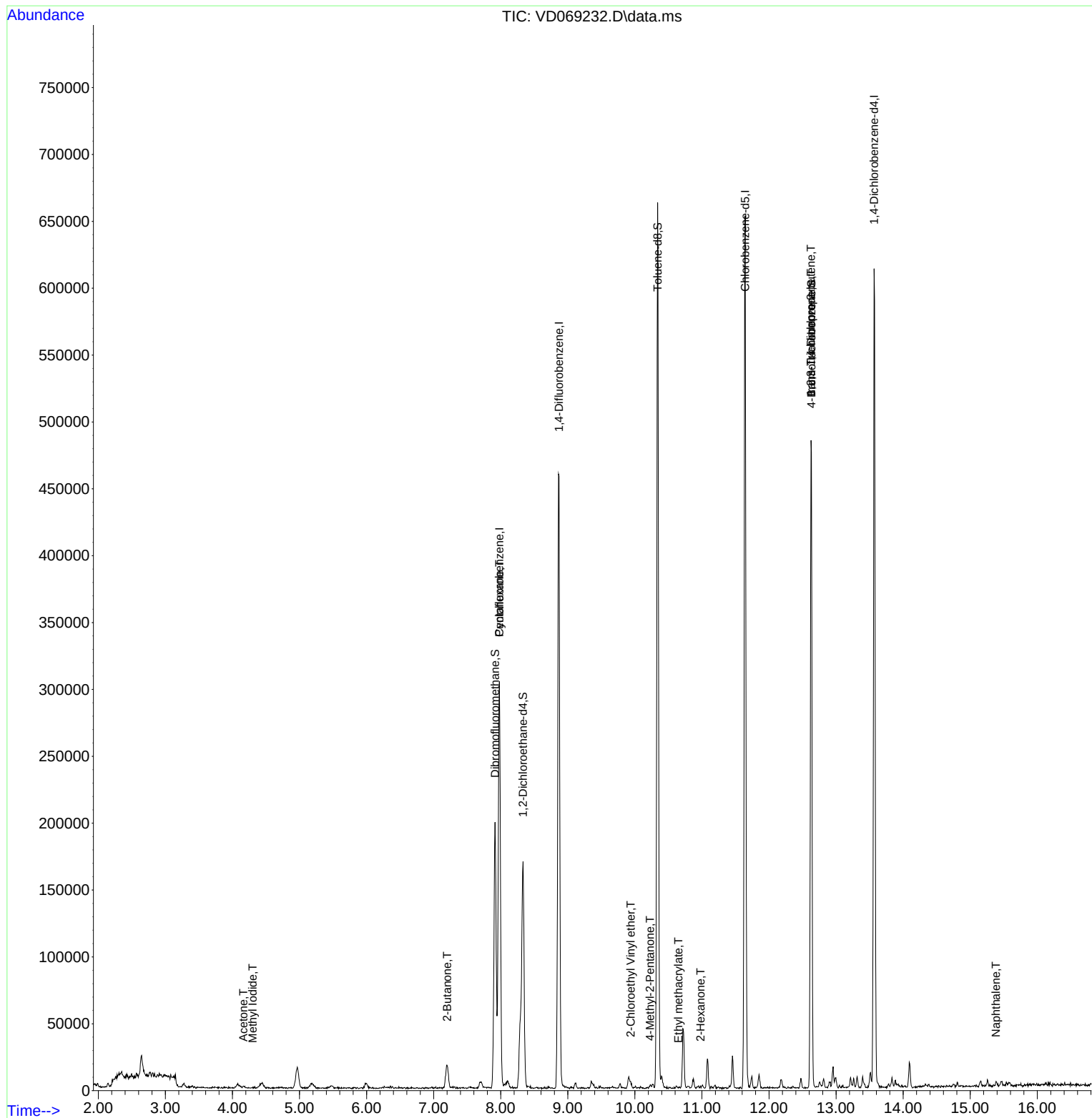
Internal Standards						
1) Pentafluorobenzene	7.979	168	218058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	403489	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	386527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	172164	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	133829	61.22	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.44%			
35) Dibromofluoromethane	7.914	113	138028	52.57	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.14%			
50) Toluene-d8	10.338	98	456306	47.29	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.58%			
62) 4-Bromofluorobenzene	12.632	95	142300	45.84	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 91.68%			
Target Compounds						
						Qvalue
10) Methyl Iodide	4.303	142	1065	1.34	ug/l #	38
11) Tert butyl alcohol	5.256	59	292	Below Cal	#	73
16) Acetone	4.162	43	2491	7.44	ug/l #	68
20) Methylene Chloride	4.962	84	12519	Below Cal		98
25) 2-Butanone	7.203	43	1266	2.79	ug/l #	38
31) Cyclohexane	7.979	56	6971	2.15	ug/l #	43
49) 1,4-Dioxane	9.467	88	57	Below Cal	#	29
51) 4-Methyl-2-Pentanone	10.226	43	1597	1.36	ug/l	93
56) Ethyl methacrylate	10.650	69	396	1.48	ug/l #	57
58) 2-Chloroethyl Vinyl ether	9.938	63	1623	1.53	ug/l	95
59) 2-Hexanone	10.979	43	1100	1.40	ug/l #	49
76) 1,2,3-Trichloropropane	12.626	75	71347	55.13	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	71347	111.36	ug/l #	14
95) Naphthalene	15.385	128	3296	2.61	ug/l #	88

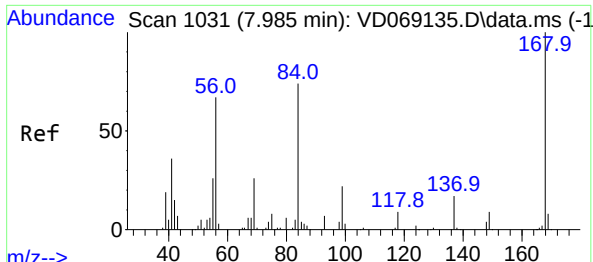
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
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Response via : Initial Calibration

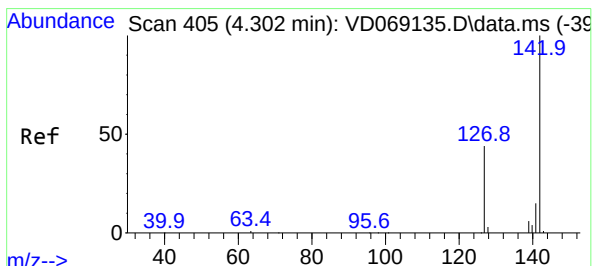
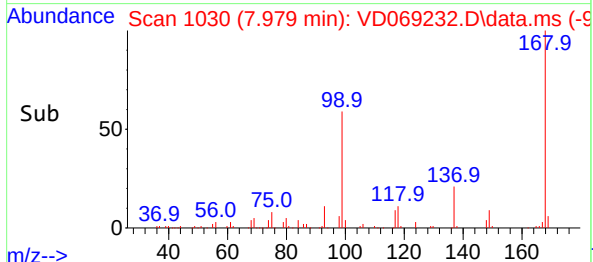
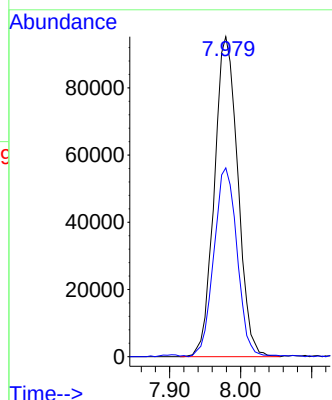
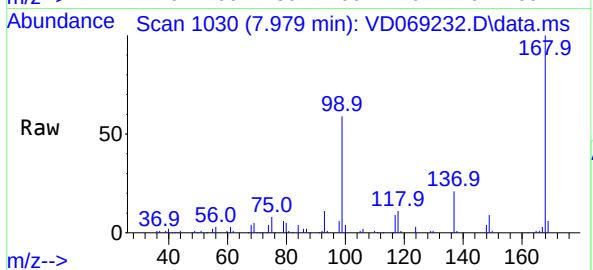




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069232.D
Acq: 21 May 2021 11:59

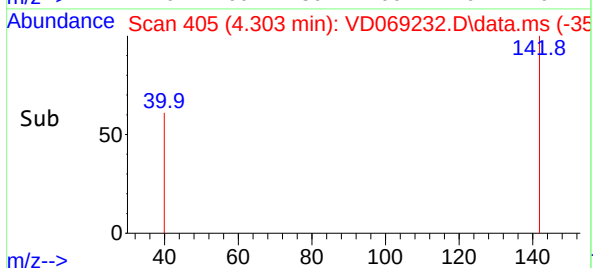
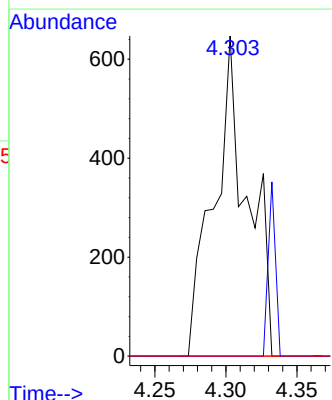
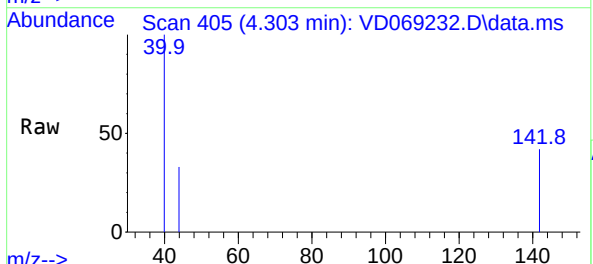
Instrument :
MSVOA_D
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VD0521SBL01

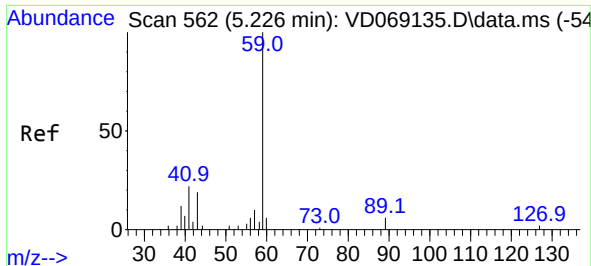
Tgt Ion:168 Resp: 218058
Ion Ratio Lower Upper
168 100
99 58.8 47.2 70.8



#10
Methyl Iodide
Concen: 1.34 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.001 min
Lab File: VD069232.D
Acq: 21 May 2021 11:59

Tgt Ion:142 Resp: 1065
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 12.2 18.4#

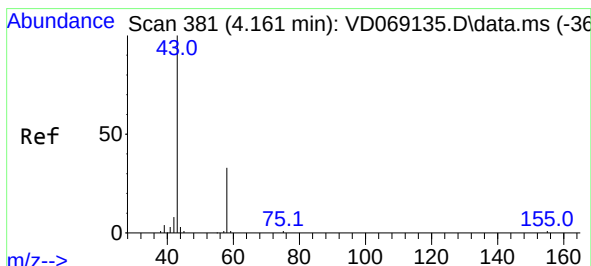
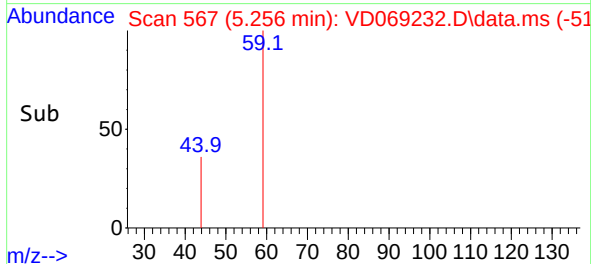
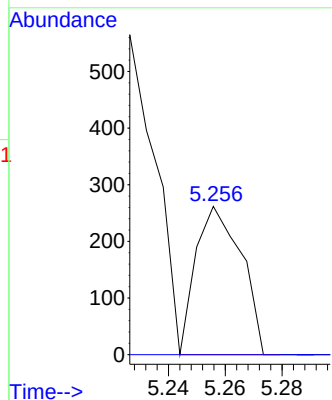
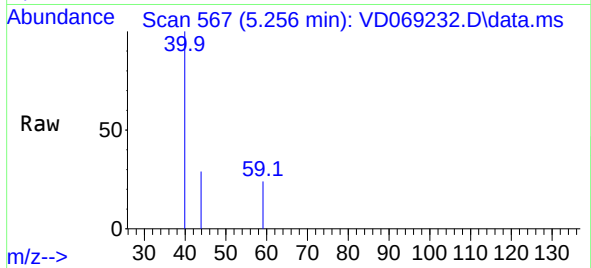




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.256 min Scan# 567
Delta R.T. 0.030 min
Lab File: VD069232.D
Acq: 21 May 2021 11:59

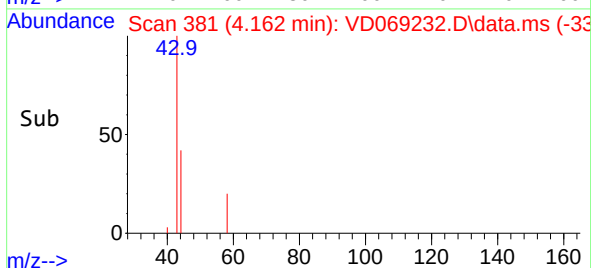
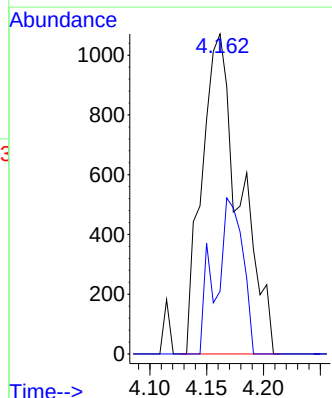
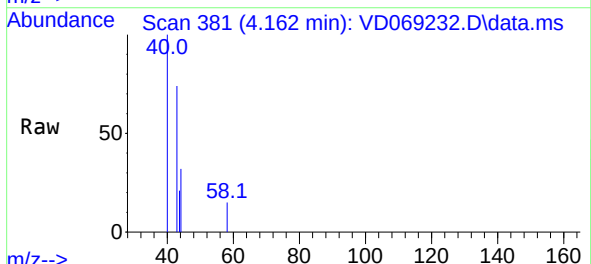
Instrument :
MSVOA_D
ClientSampleId :
VD0521SBL01

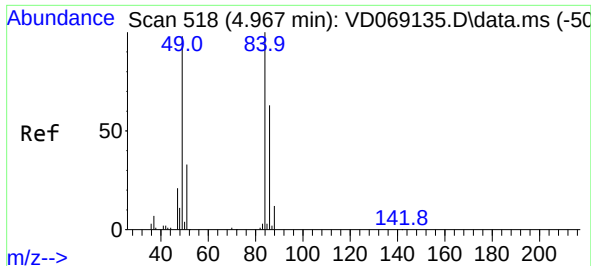
Tgt Ion: 59 Resp: 292
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 7.44 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD069232.D
Acq: 21 May 2021 11:59

Tgt Ion: 43 Resp: 2491
Ion Ratio Lower Upper
43 100
58 15.2 26.7 40.1#

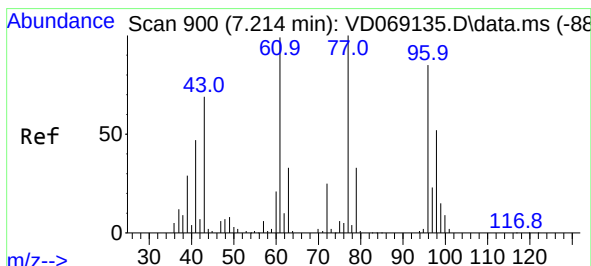
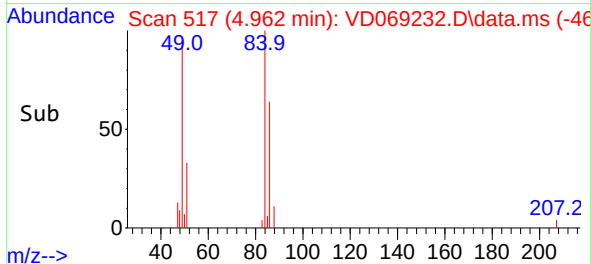
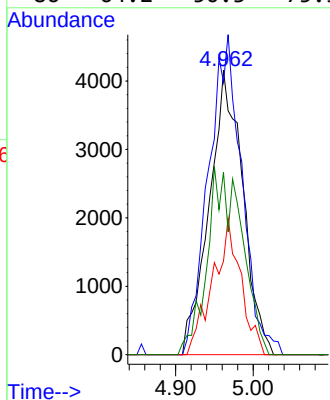
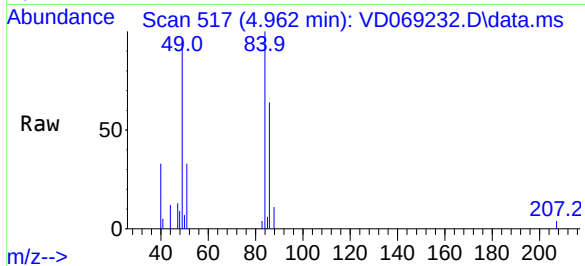




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.005 min
Lab File: VD069232.D
Acq: 21 May 2021 11:59

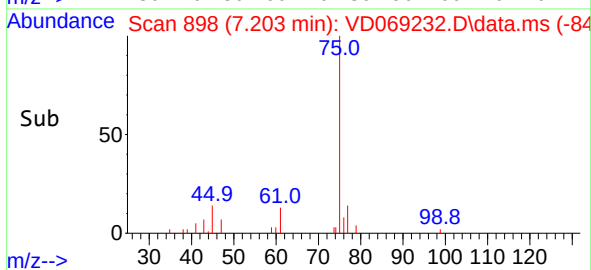
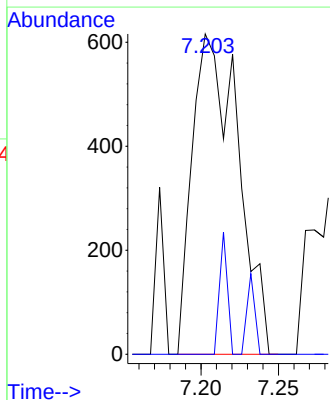
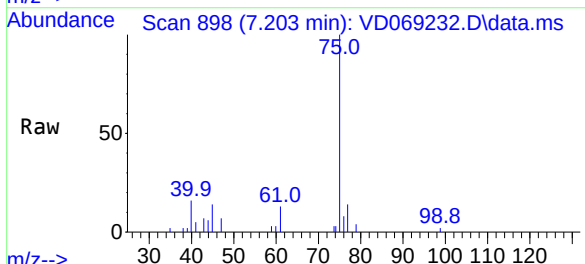
Instrument :
MSVOA_D
ClientSampleId :
VD0521SBL01

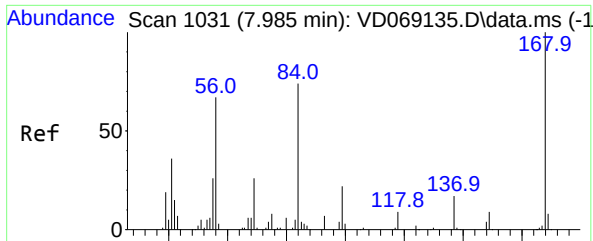
Tgt Ion:	84	Resp:	12519
Ion	Ratio	Lower	Upper
84	100		
49	95.7	78.6	117.8
51	32.9	26.7	40.1
86	64.2	50.3	75.5



#25
2-Butanone
Concen: 2.79 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.011 min
Lab File: VD069232.D
Acq: 21 May 2021 11:59

Tgt Ion:	43	Resp:	1266
Ion	Ratio	Lower	Upper
43	100		
72	0.0	29.1	43.7#

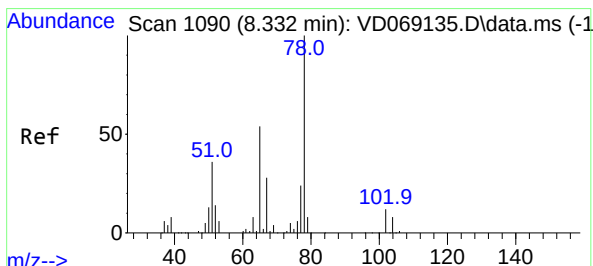
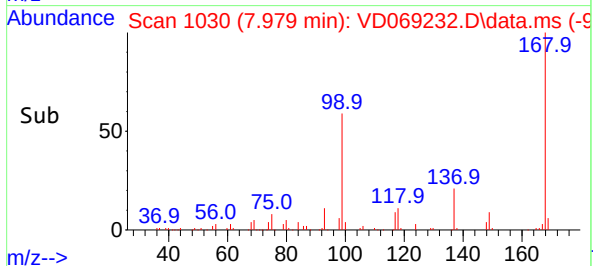
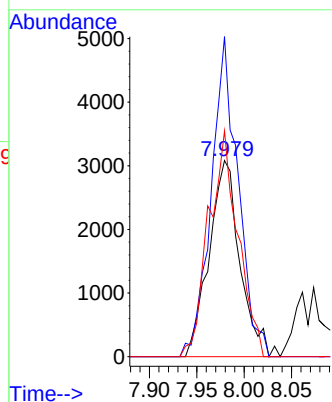
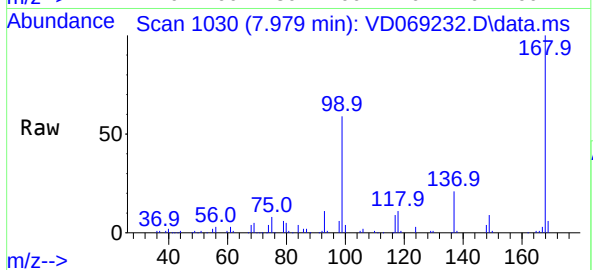




#31
Cyclohexane
Concen: 2.15 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.005 min
Lab File: VD069232.D
Acq: 21 May 2021 11:59

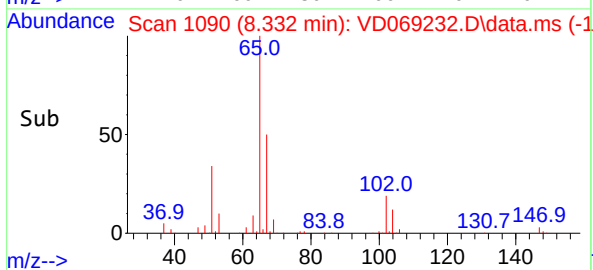
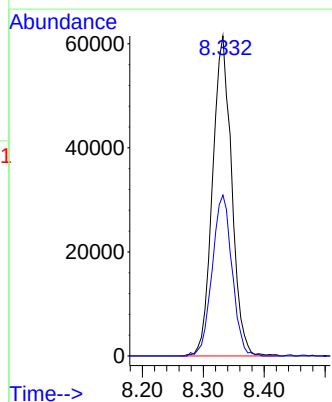
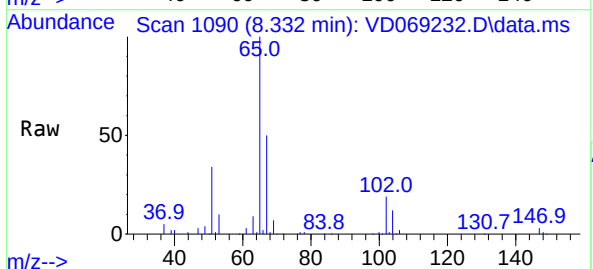
Instrument :
MSVOA_D
ClientSampleId :
VD0521SBL01

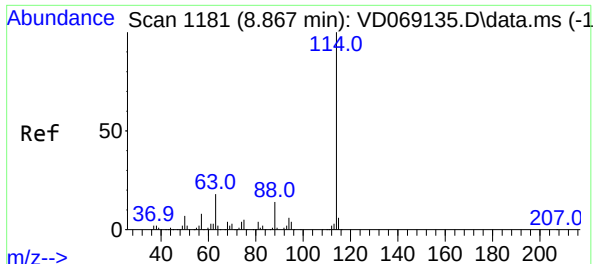
Tgt Ion: 56 Resp: 6971
Ion Ratio Lower Upper
56 100
69 163.1 30.6 46.0#
84 115.1 88.0 132.0



#33
1,2-Dichloroethane-d4
Concen: 61.22 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.001 min
Lab File: VD069232.D
Acq: 21 May 2021 11:59

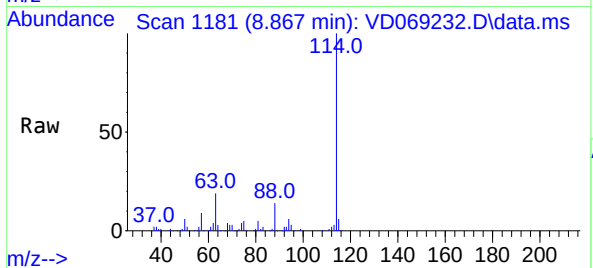
Tgt Ion: 65 Resp: 133829
Ion Ratio Lower Upper
65 100
67 52.3 0.0 108.0



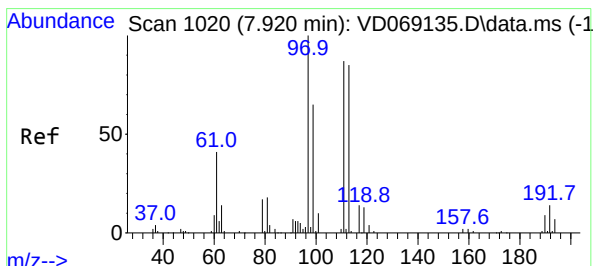
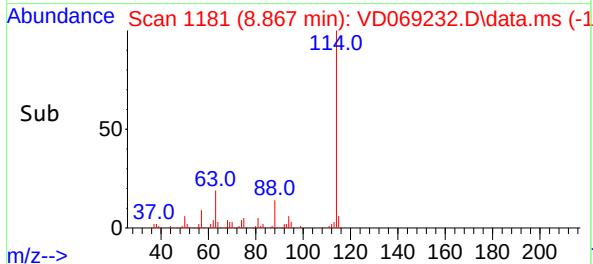
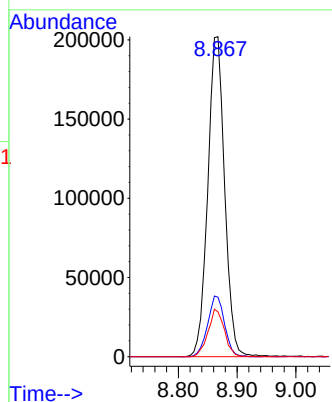


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069232.D
Acq: 21 May 2021 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0521SBL01

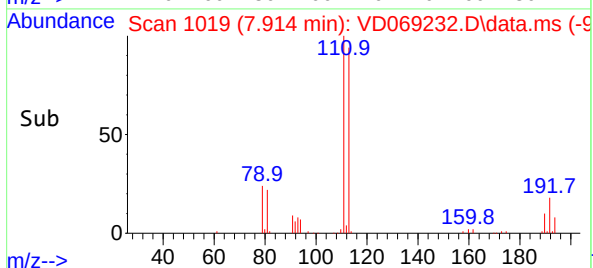
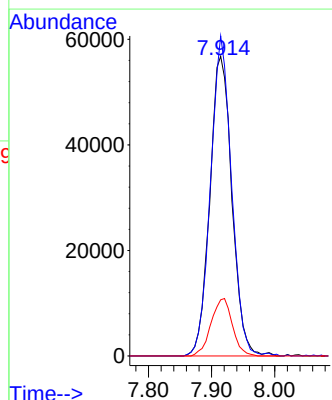
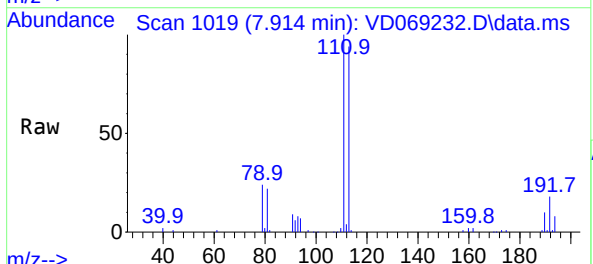


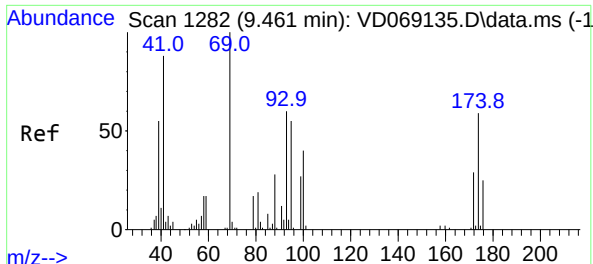
Tgt Ion:114 Resp: 403489
Ion Ratio Lower Upper
114 100
63 18.6 0.0 36.4
88 14.0 0.0 28.2



#35
Dibromofluoromethane
Concen: 52.57 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.005 min
Lab File: VD069232.D
Acq: 21 May 2021 11:59

Tgt Ion:113 Resp: 138028
Ion Ratio Lower Upper
113 100
111 101.2 80.6 120.8
192 18.5 14.8 22.2

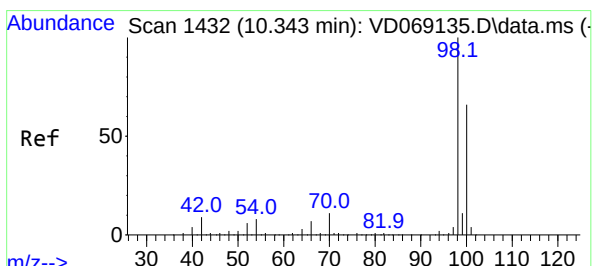
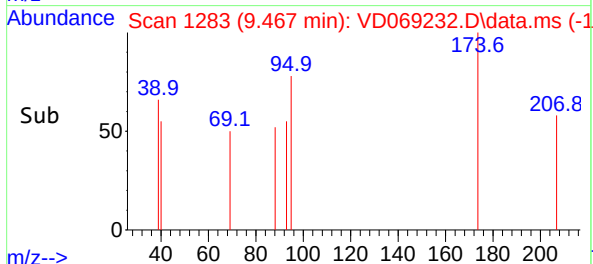
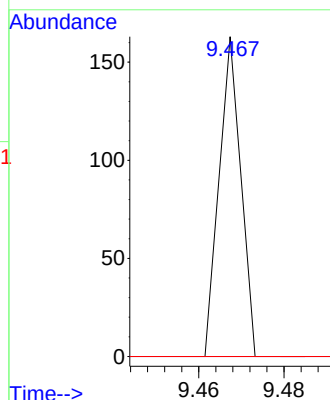
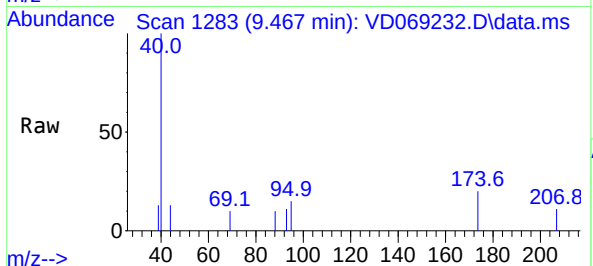




#49
1,4-Dioxane
Concen: Below Cal
RT: 9.467 min Scan# 1283
Delta R.T. 0.006 min
Lab File: VD069232.D
Acq: 21 May 2021 11:59

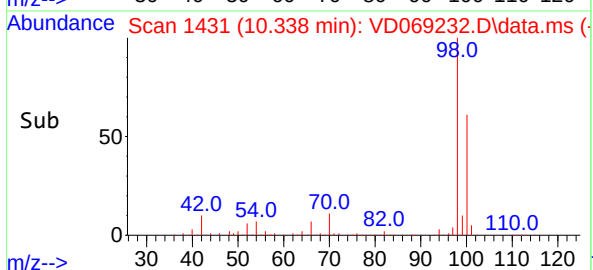
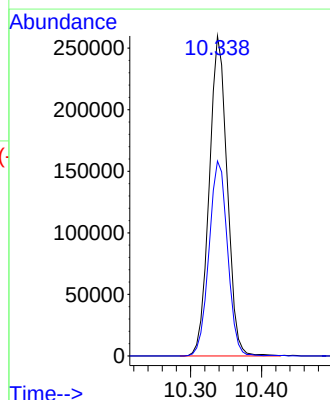
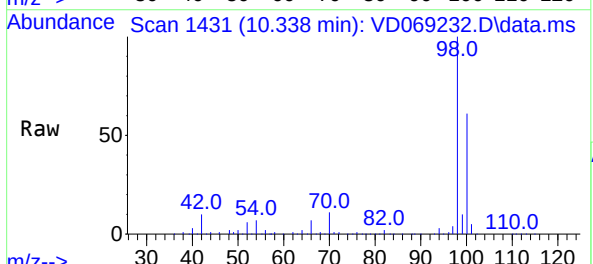
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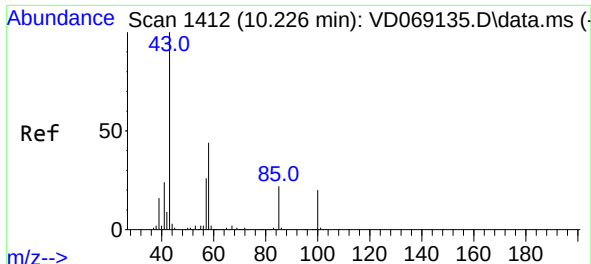
Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 0.0 26.7 40.1#
58 0.0 45.8 68.6#



#50
Toluene-d8
Concen: 47.29 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.005 min
Lab File: VD069232.D
Acq: 21 May 2021 11:59

Tgt Ion: 98 Resp: 456306
Ion Ratio Lower Upper
98 100
100 62.7 51.8 77.8

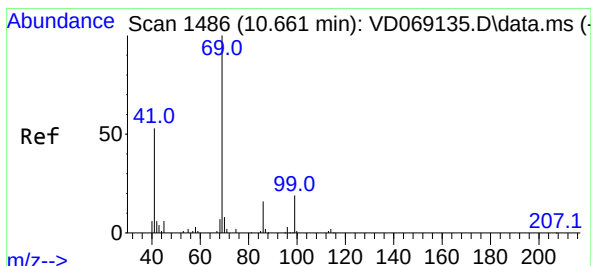
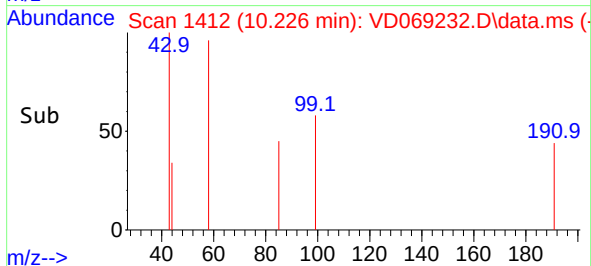
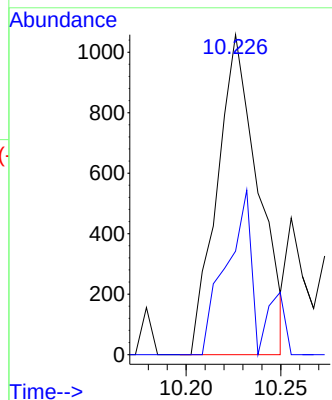
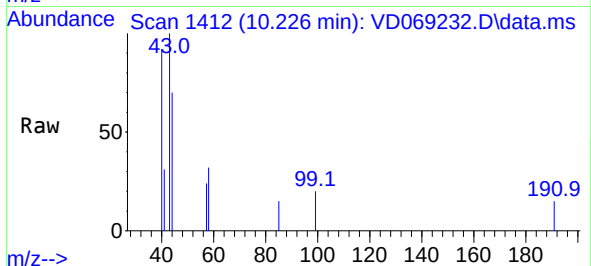




#51
4-Methyl-2-Pentanone
Concen: 1.36 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD069232.D
Acq: 21 May 2021 11:59

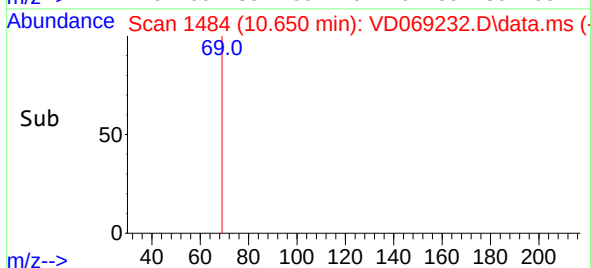
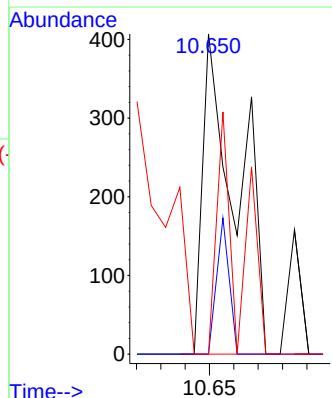
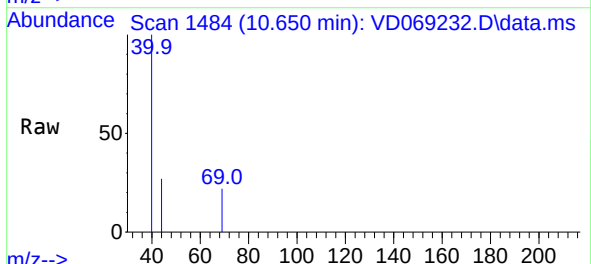
Instrument :
MSVOA_D
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VD0521SBL01

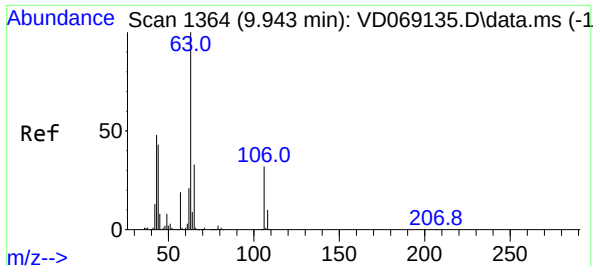
Tgt Ion: 43 Resp: 1597
Ion Ratio Lower Upper
43 100
58 39.1 35.0 52.4



#56
Ethyl methacrylate
Concen: 1.48 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.011 min
Lab File: VD069232.D
Acq: 21 May 2021 11:59

Tgt Ion: 69 Resp: 396
Ion Ratio Lower Upper
69 100
41 15.4 42.2 63.2#
39 48.7 26.3 39.5#

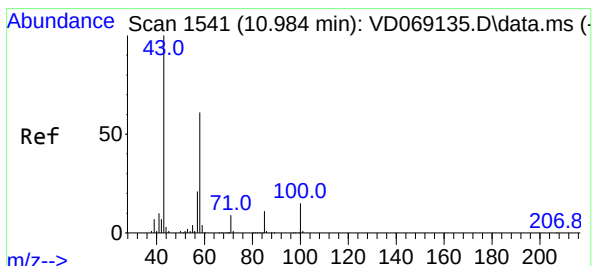
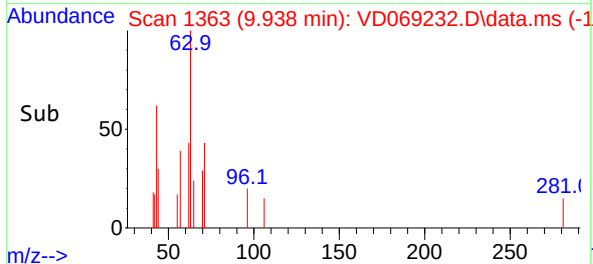
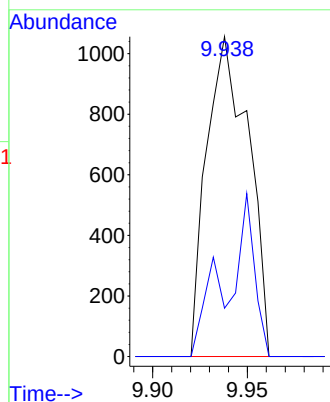
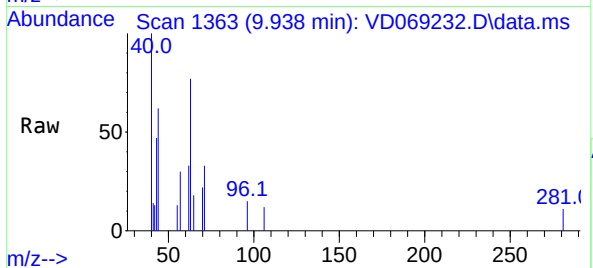




#58
2-Chloroethyl Vinyl ether
Concen: 1.53 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.005 min
Lab File: VD069232.D
Acq: 21 May 2021 11:59

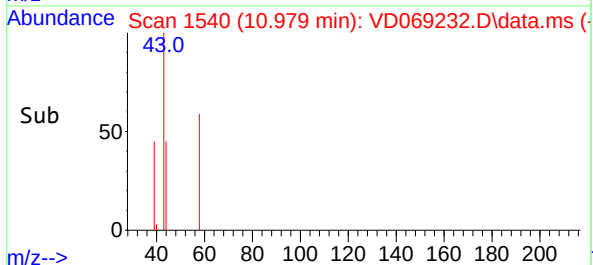
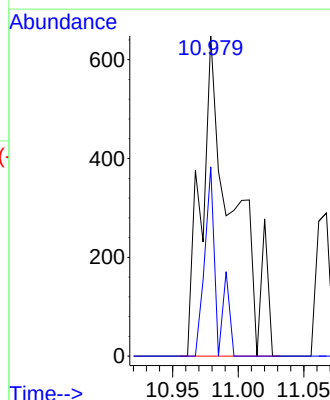
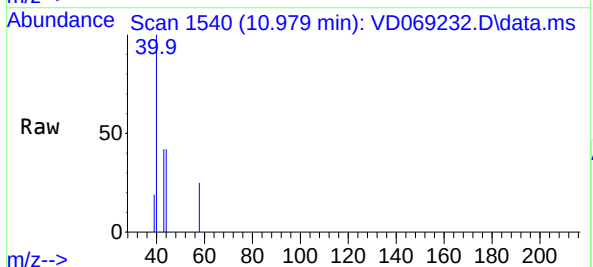
Instrument :
MSVOA_D
ClientSampleId :
VD0521SBL01

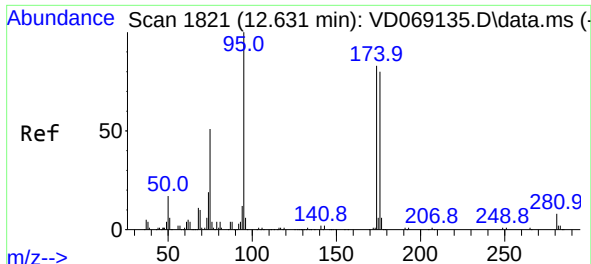
Tgt Ion: 63 Resp: 1623
Ion Ratio Lower Upper
63 100
106 34.4 25.3 37.9



#59
2-Hexanone
Concen: 1.40 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.005 min
Lab File: VD069232.D
Acq: 21 May 2021 11:59

Tgt Ion: 43 Resp: 1100
Ion Ratio Lower Upper
43 100
58 22.7 31.1 93.5#

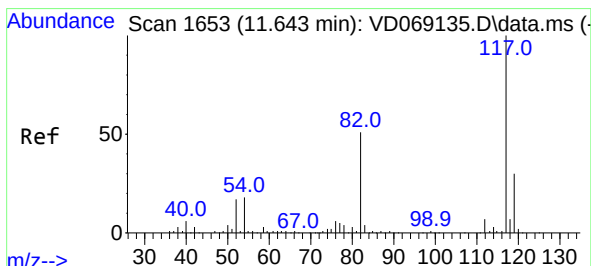
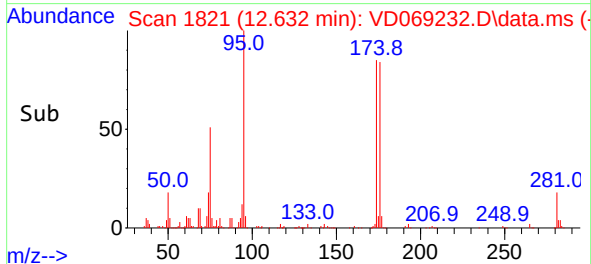
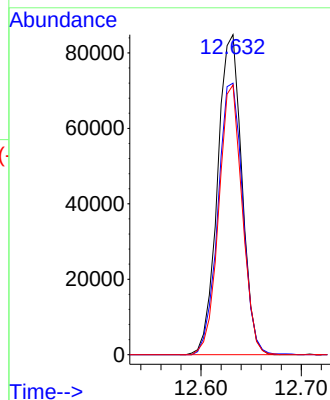
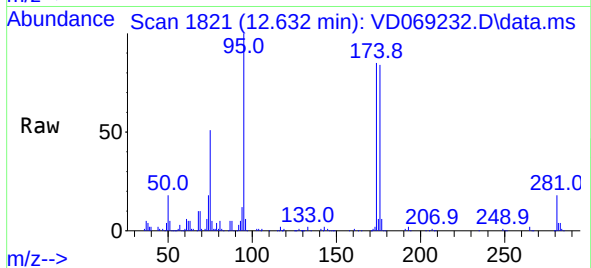




#62
4-Bromofluorobenzene
Concen: 45.84 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD069232.D
Acq: 21 May 2021 11:59

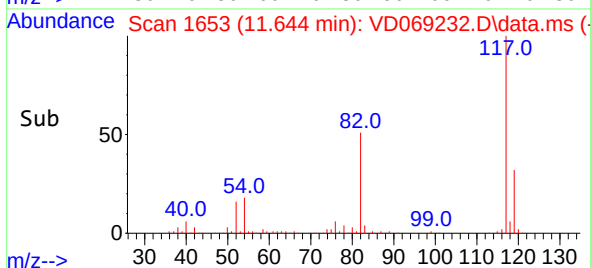
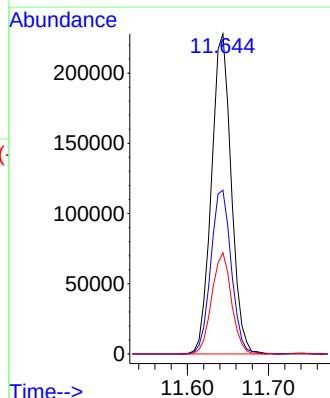
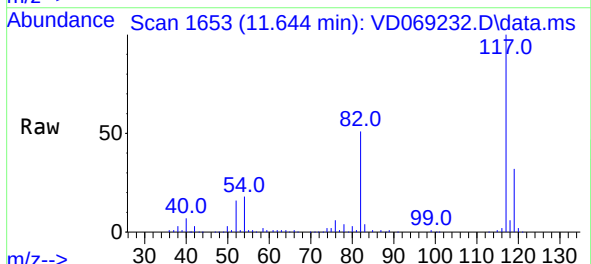
Instrument :
MSVOA_D
ClientSampleId :
VD0521SBL01

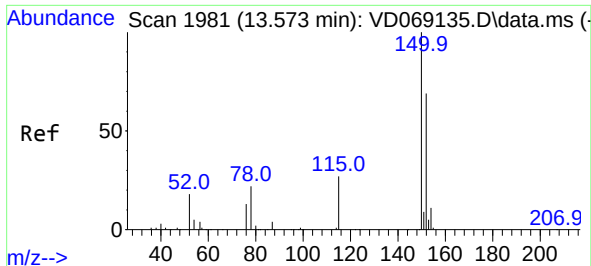
Tgt Ion:	95	Resp:	142300
Ion Ratio	Lower	Upper	
95	100		
174	86.3	0.0	171.8
176	81.1	0.0	165.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069232.D
Acq: 21 May 2021 11:59

Tgt Ion:	117	Resp:	386527
Ion Ratio	Lower	Upper	
117	100		
82	51.1	40.5	60.7
119	31.7	24.2	36.4

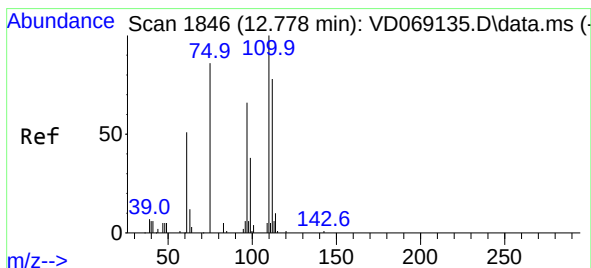
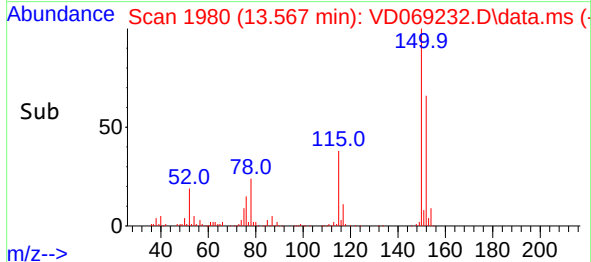
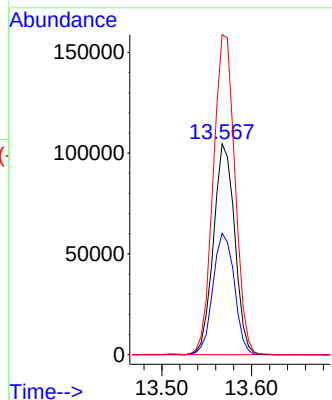
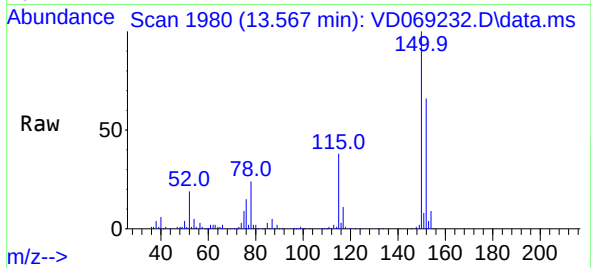




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.005 min
Lab File: VD069232.D
Acq: 21 May 2021 11:59

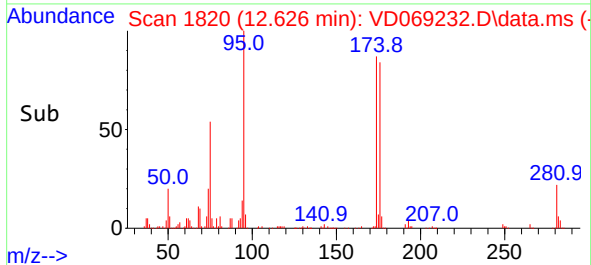
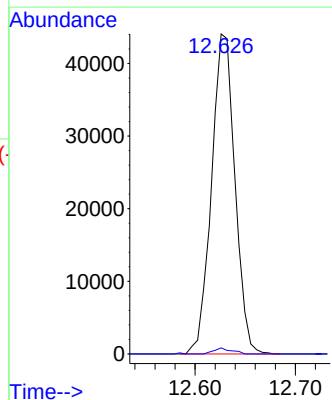
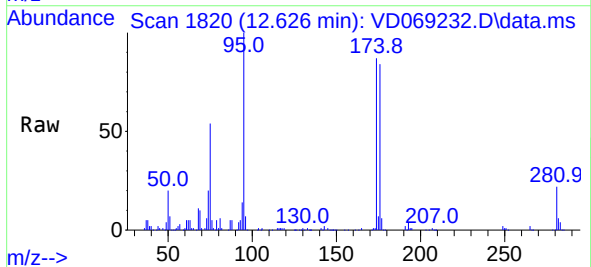
Instrument :
MSVOA_D
ClientSampleId :
VD0521SBL01

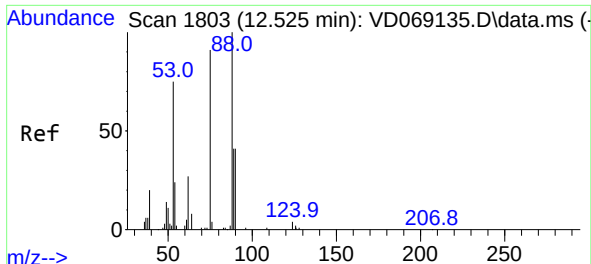
Tgt Ion:152 Resp: 172164
Ion Ratio Lower Upper
152 100
115 58.1 29.9 89.8
150 155.2 0.0 350.2



#76
1,2,3-Trichloropropane
Concen: 55.13 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.152 min
Lab File: VD069232.D
Acq: 21 May 2021 11:59

Tgt Ion: 75 Resp: 71347
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

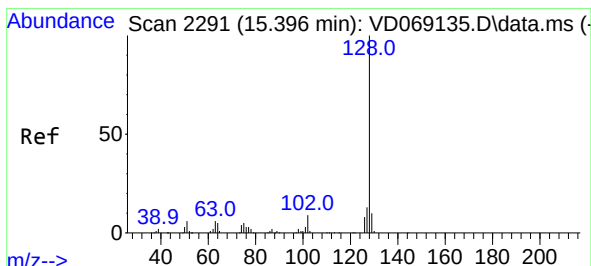
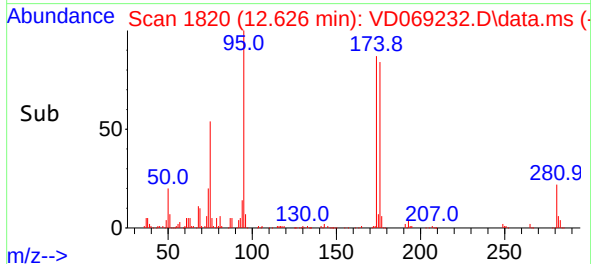
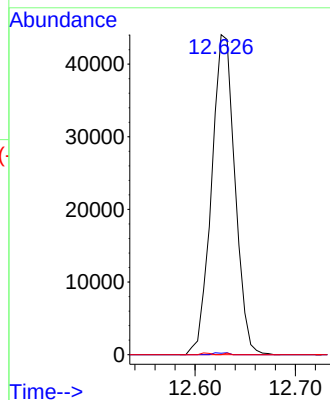
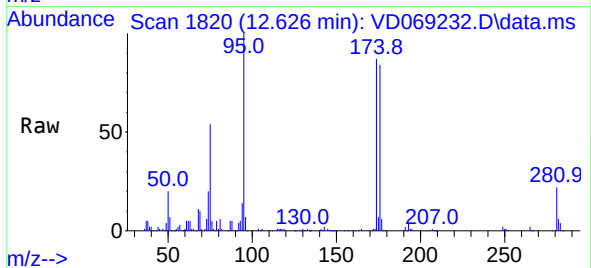




#81
trans-1,4-Dichloro-2-butene
Concen: 111.36 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069232.D
Acq: 21 May 2021 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0521SBL01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.4	70.0	105.0#
89	0.1	40.2	60.2#



#95
Naphthalene
Concen: 2.61 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.011 min
Lab File: VD069232.D
Acq: 21 May 2021 11:59

Tgt Ion	Ratio	Lower	Upper
128	100		
127	16.0	10.5	15.7#
129	4.3	8.9	13.3#

