

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060921\
 Data File : VD069405.D
 Acq On : 09 Jun 2021 15:29
 Operator : VA/SY
 Sample : M2666-02
 Misc : 5.85G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 10 04:03:35 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)

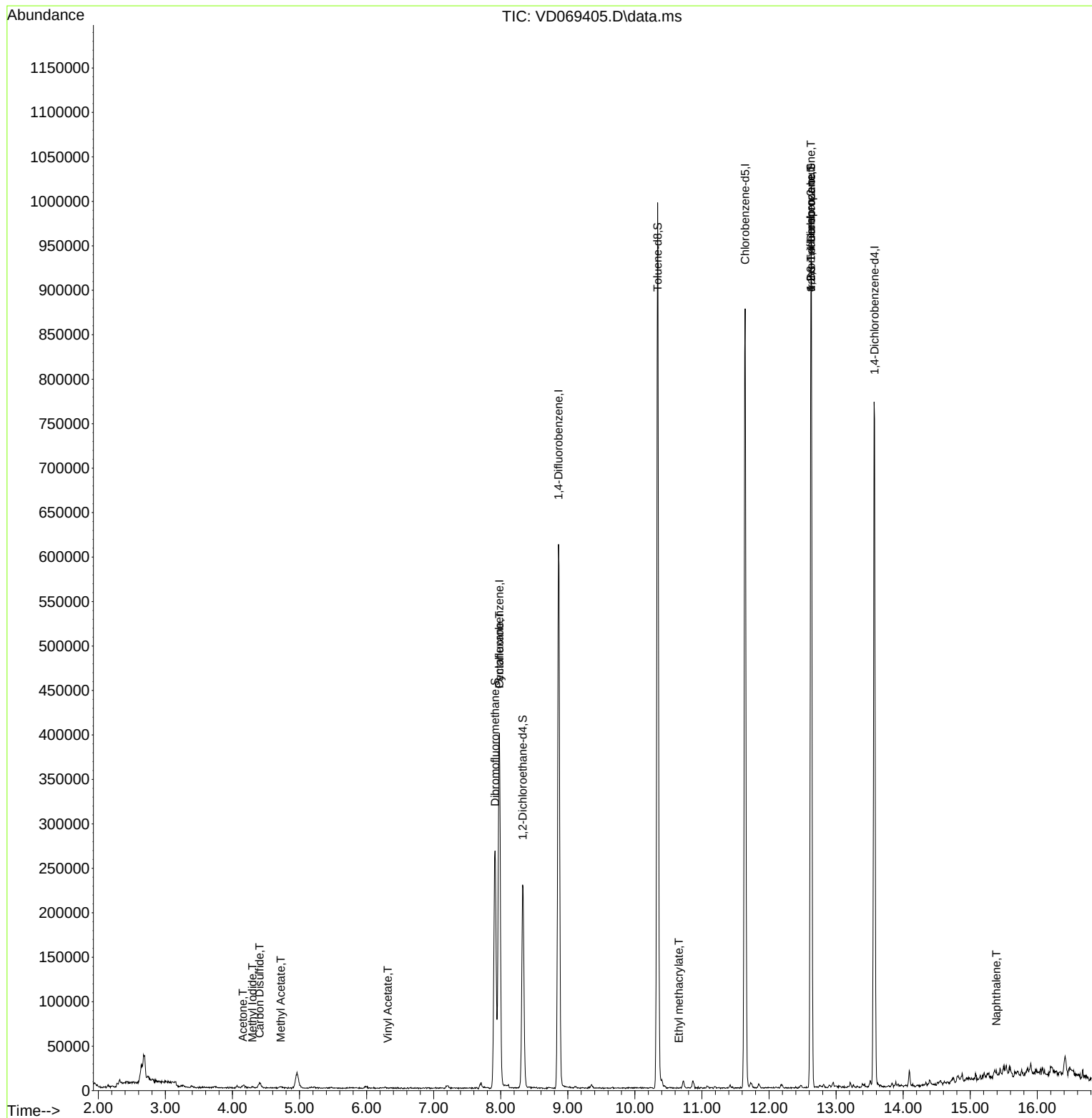
Internal Standards						
1) Pentafluorobenzene	7.979	168	309946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	545430	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	549098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	215281	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	184556	62.06	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.12%			
35) Dibromofluoromethane	7.914	113	199198	58.16	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.32%			
50) Toluene-d8	10.338	98	684049	54.92	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.84%			
62) 4-Bromofluorobenzene	12.626	95	220846	54.11	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.22%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	1838	3.01	ug/l #	85
11) Tert butyl alcohol	5.209	59	142	Below Cal	#	73
16) Acetone	4.156	43	4845	9.34	ug/l #	65
17) Carbon Disulfide	4.403	76	13384	1.30	ug/l	97
18) Methyl Acetate	4.720	43	2257	1.61	ug/l #	72
20) Methylene Chloride	4.962	84	14574	Below Cal	#	84
23) Vinyl Acetate	6.314	43	56	11.62	ug/l #	67
31) Cyclohexane	7.979	56	7218	1.53	ug/l #	14
56) Ethyl methacrylate	10.655	69	172	2.69	ug/l #	31
76) 1,2,3-Trichloropropane	12.626	75	114163	61.04	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	114163	135.26	ug/l #	18
95) Naphthalene	15.390	128	1107	3.44	ug/l #	75

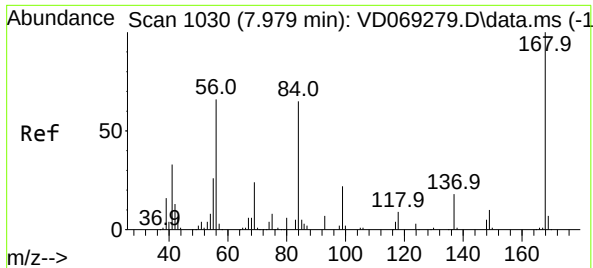
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 10 04:03:35 2021
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Quant Title : SW846 8260
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Response via : Initial Calibration

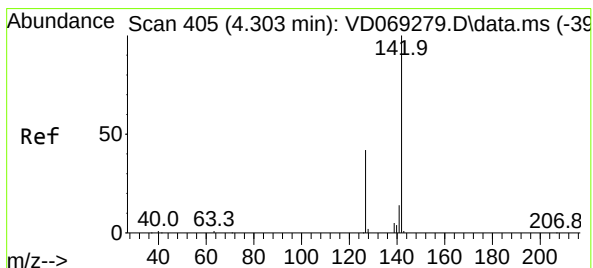
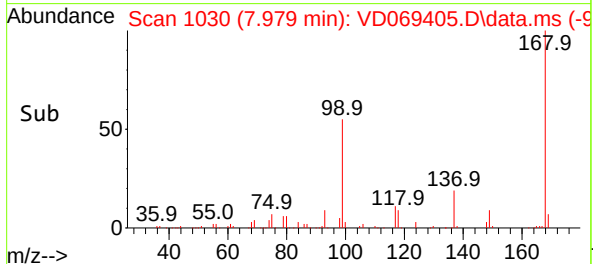
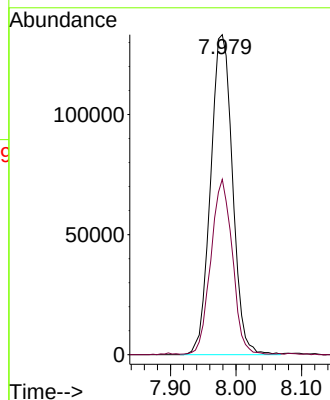
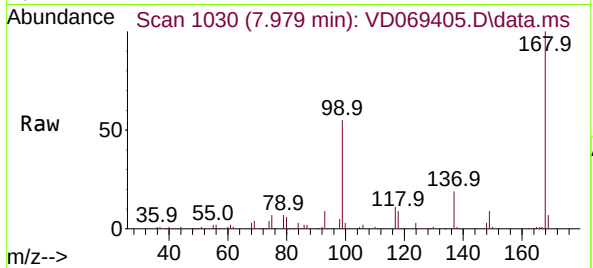




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069405.D
Acq: 09 Jun 2021 15:29

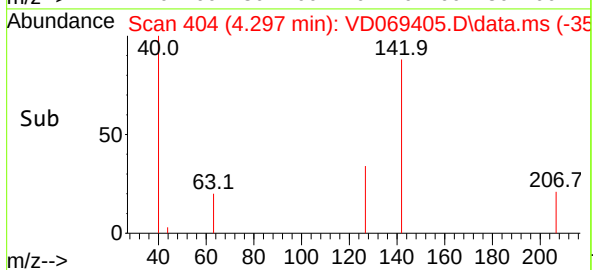
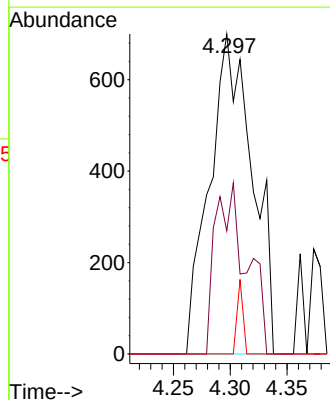
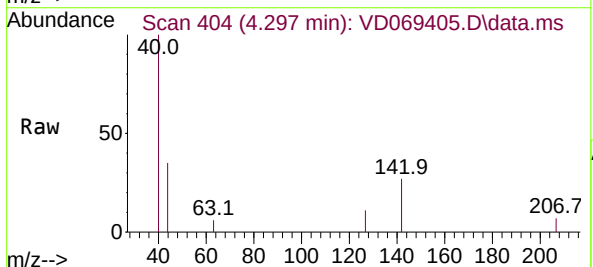
Instrument :
MSVOA_D
ClientSampled :

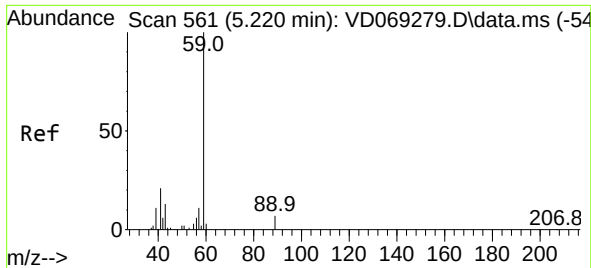
Tgt Ion:168 Resp: 309946
Ion Ratio Lower Upper
168 100
99 54.6 46.2 69.2



#10
Methyl Iodide
Concen: 3.01 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069405.D
Acq: 09 Jun 2021 15:29

Tgt Ion:142 Resp: 1838
Ion Ratio Lower Upper
142 100
127 38.8 36.2 54.2
141 3.2 12.2 18.2#

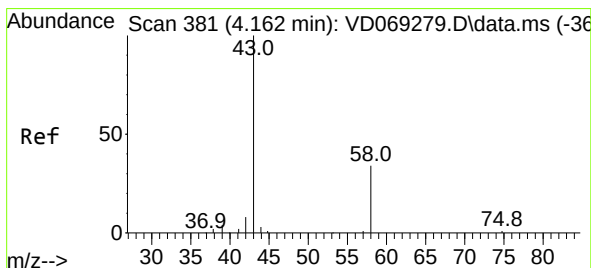
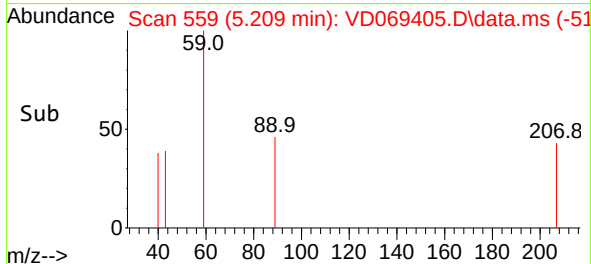
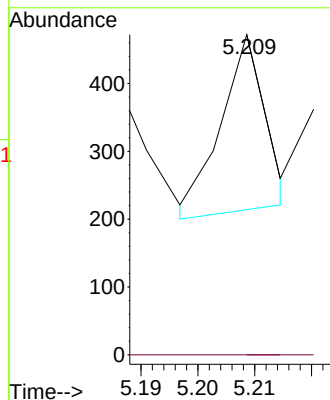
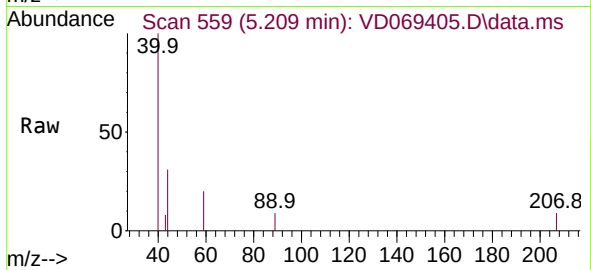




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.011 min
Lab File: VD069405.D
Acq: 09 Jun 2021 15:29

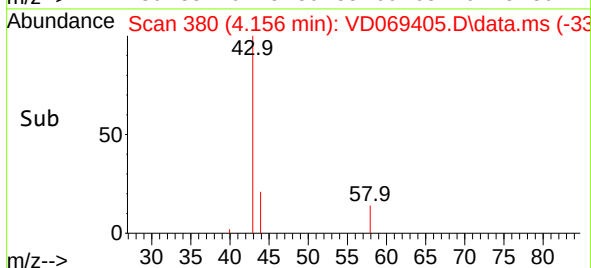
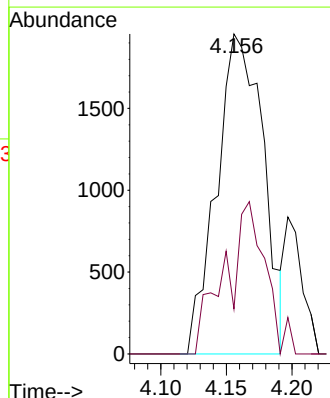
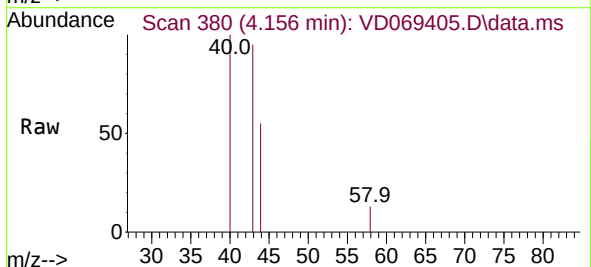
Instrument :
MSVOA_D
ClientSampled :

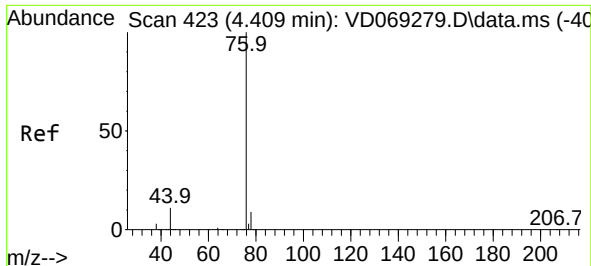
Tgt Ion: 59 Resp: 142
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 9.34 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069405.D
Acq: 09 Jun 2021 15:29

Tgt Ion: 43 Resp: 4845
Ion Ratio Lower Upper
43 100
58 14.1 27.5 41.3#

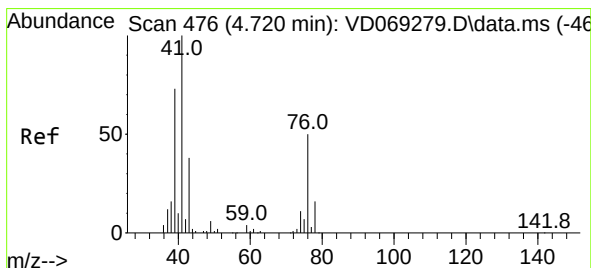
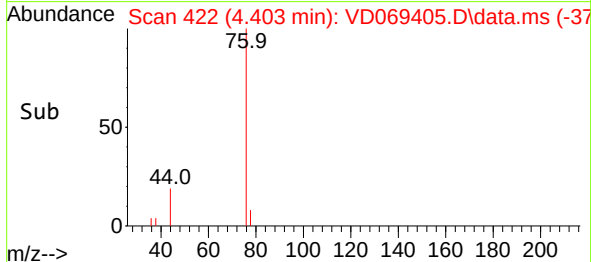
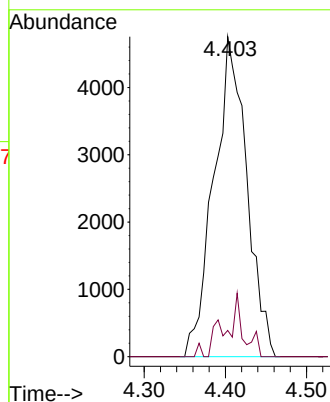
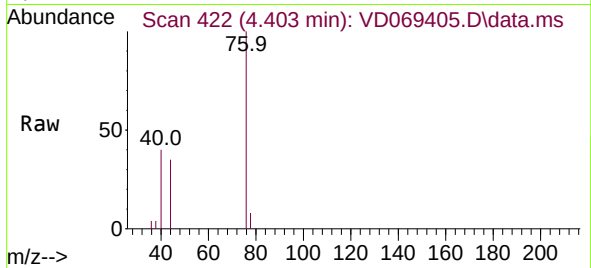




#17
Carbon Disulfide
Concen: 1.30 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD069405.D
Acq: 09 Jun 2021 15:29

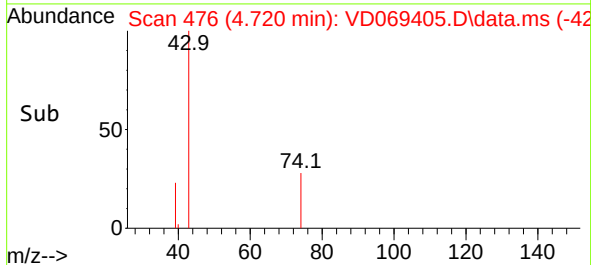
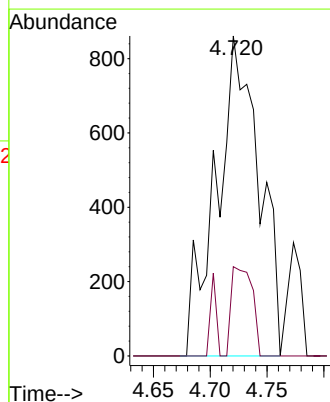
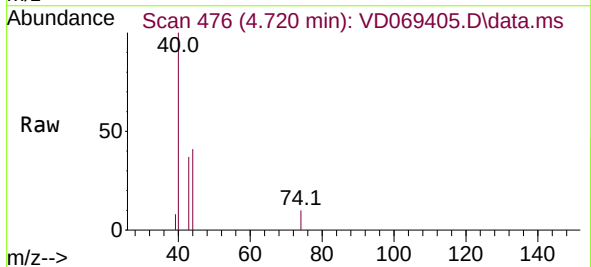
Instrument :
MSVOA_D
ClientSampled :

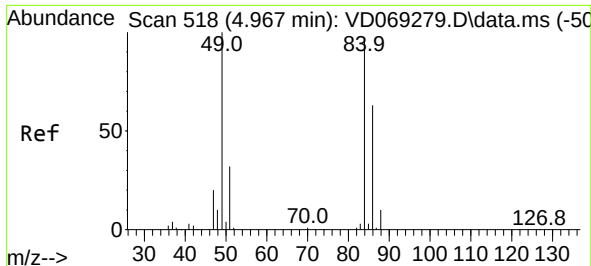
Tgt Ion: 76 Resp: 13384
Ion Ratio Lower Upper
76 100
78 8.2 7.4 11.0



#18
Methyl Acetate
Concen: 1.61 ug/l
RT: 4.720 min Scan# 476
Delta R.T. 0.000 min
Lab File: VD069405.D
Acq: 09 Jun 2021 15:29

Tgt Ion: 43 Resp: 2257
Ion Ratio Lower Upper
43 100
74 13.6 22.8 34.2#

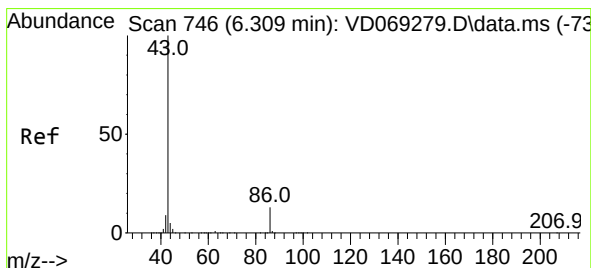
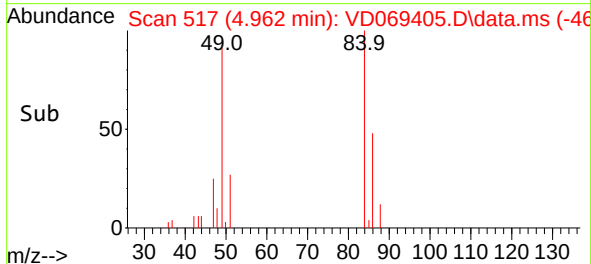
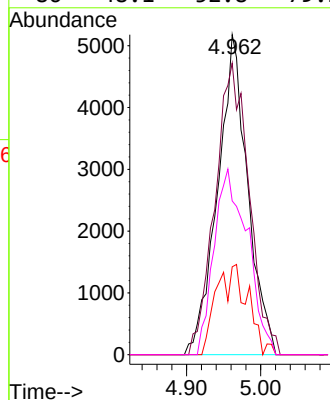
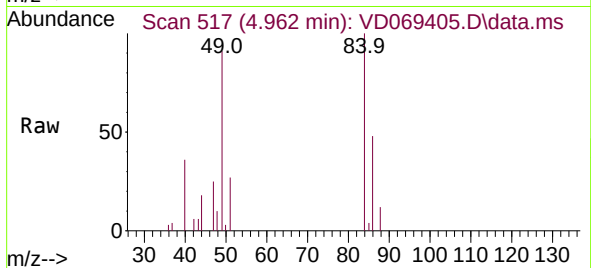




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.005 min
Lab File: VD069405.D
Acq: 09 Jun 2021 15:29

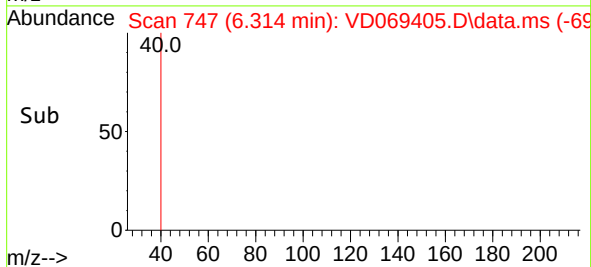
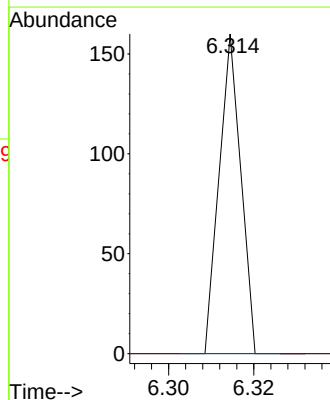
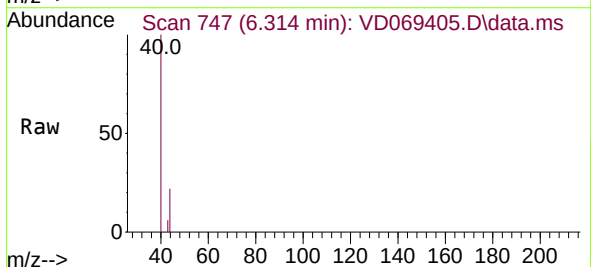
Instrument :
MSVOA_D
ClientSampleId :

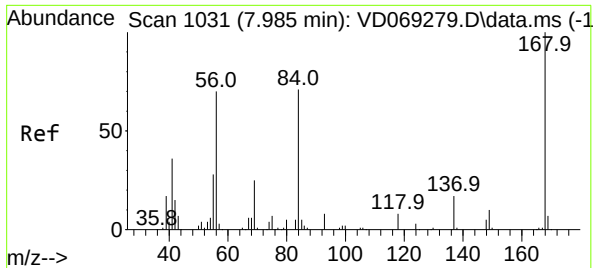
Tgt Ion:	84	Resp:	14574
Ion	Ratio	Lower	Upper
84	100		
49	91.1	83.7	125.5
51	27.5	26.4	39.6
86	48.1	52.8	79.2#



#23
Vinyl Acetate
Concen: 11.62 ug/l
RT: 6.314 min Scan# 747
Delta R.T. 0.005 min
Lab File: VD069405.D
Acq: 09 Jun 2021 15:29

Tgt Ion:	43	Resp:	56
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.5	15.7#

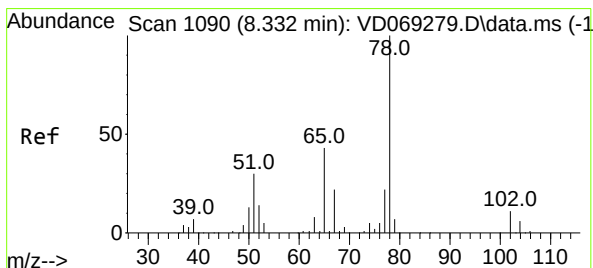
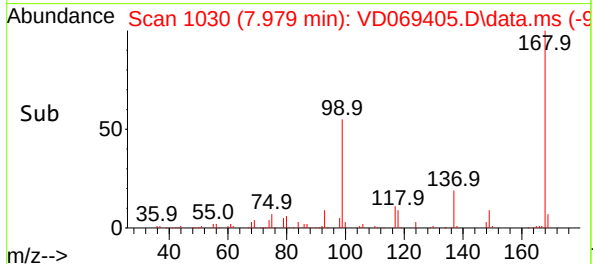
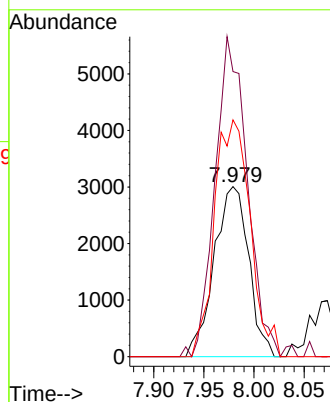
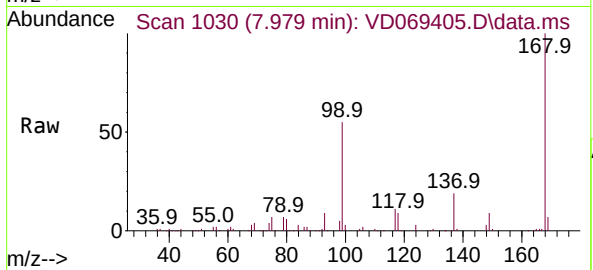




#31
Cyclohexane
Concen: 1.53 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069405.D
Acq: 09 Jun 2021 15:29

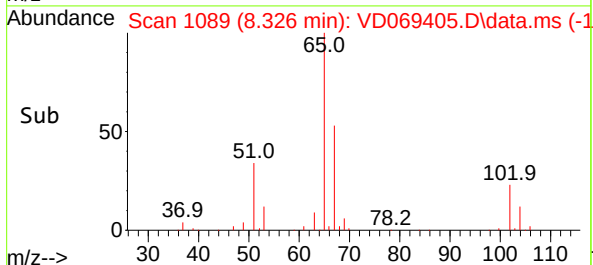
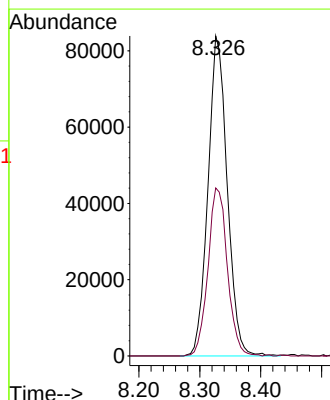
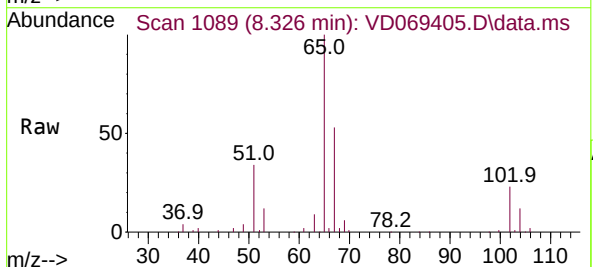
Instrument :
MSVOA_D
ClientSampleId :

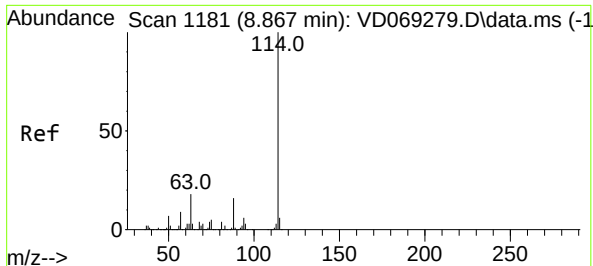
Tgt Ion: 56 Resp: 7218
Ion Ratio Lower Upper
56 100
69 167.7 29.0 43.4#
84 139.3 81.1 121.7#



#33
1,2-Dichloroethane-d4
Concen: 62.06 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069405.D
Acq: 09 Jun 2021 15:29

Tgt Ion: 65 Resp: 184556
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD069405.D

Acq: 09 Jun 2021 15:29

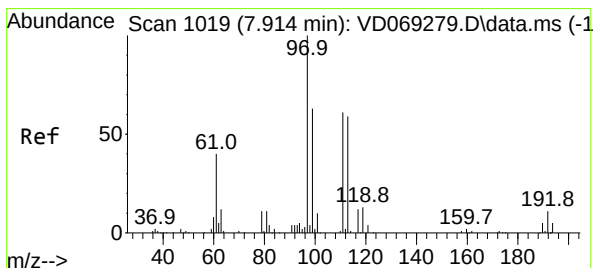
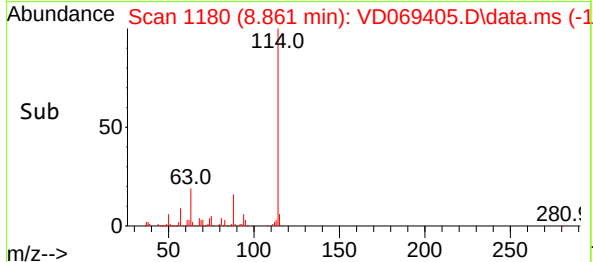
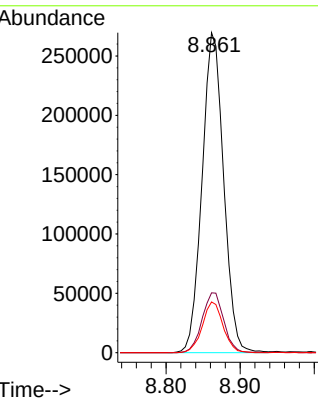
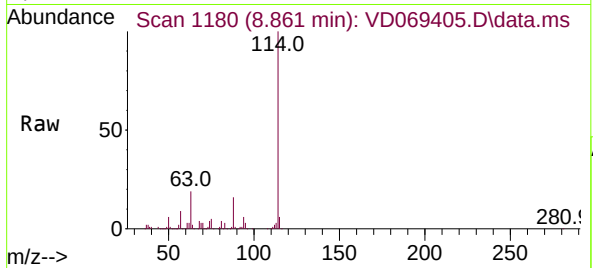
Tgt Ion:114 Resp: 545430

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.6

88 15.9 0.0 31.2



#35

Dibromofluoromethane

Concen: 58.16 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069405.D

Acq: 09 Jun 2021 15:29

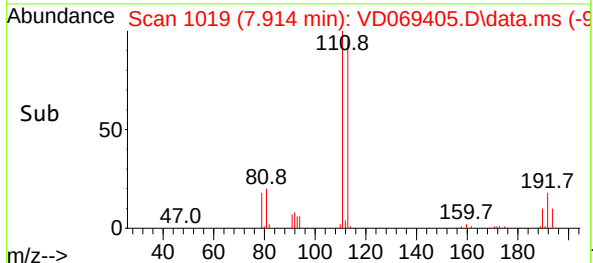
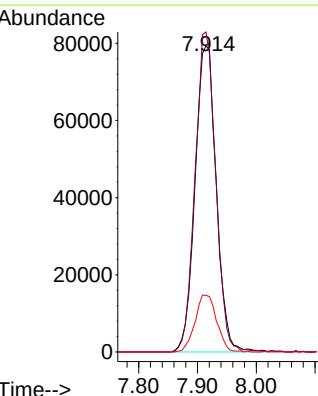
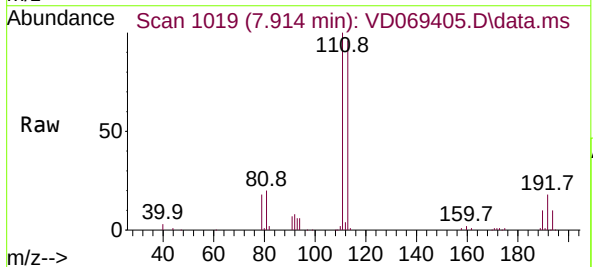
Tgt Ion:113 Resp: 199198

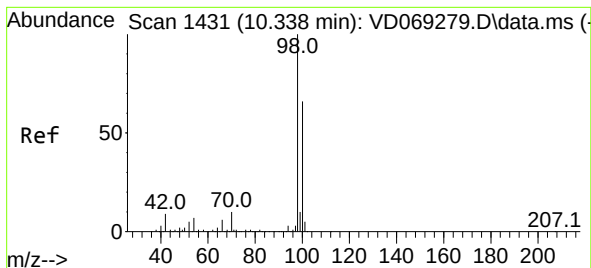
Ion Ratio Lower Upper

113 100

111 101.6 83.0 124.6

192 18.9 15.1 22.7

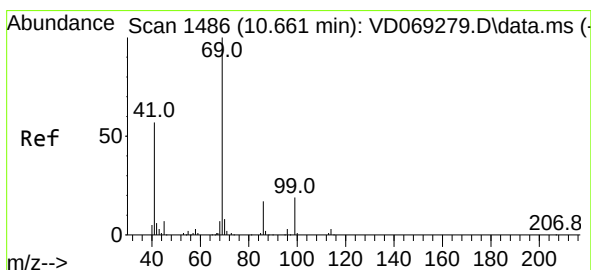
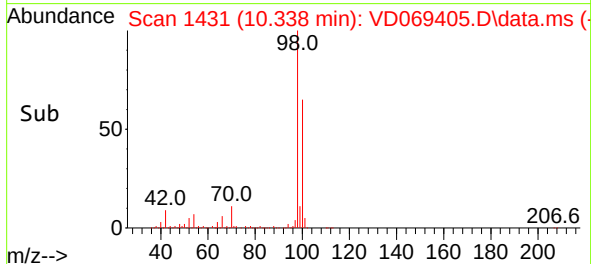
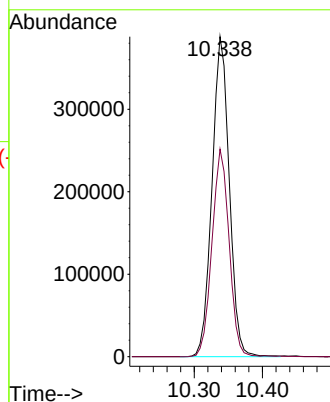
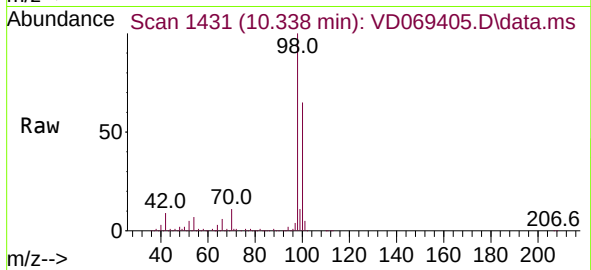




#50
Toluene-d8
Concen: 54.92 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069405.D
Acq: 09 Jun 2021 15:29

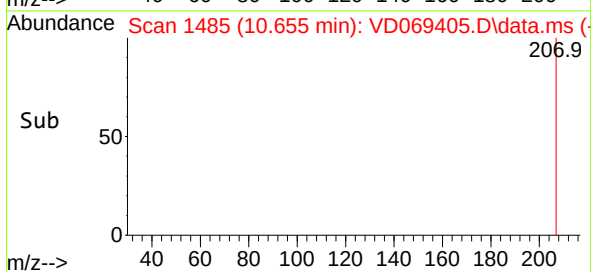
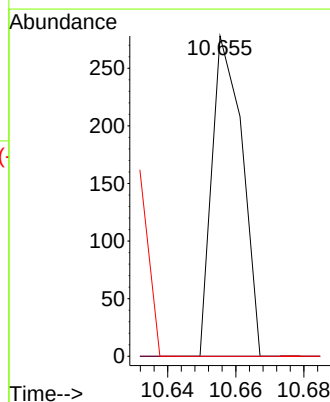
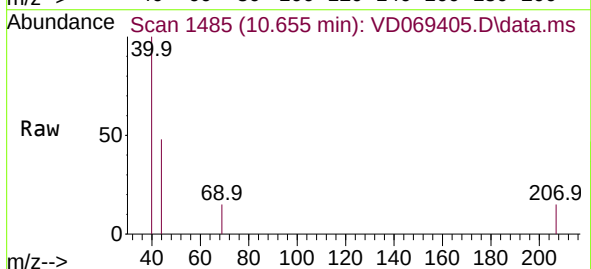
Instrument :
MSVOA_D
ClientSampleId :

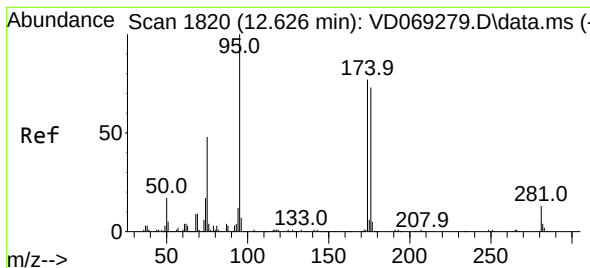
Tgt Ion: 98 Resp: 684049
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#56
Ethyl methacrylate
Concen: 2.69 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VD069405.D
Acq: 09 Jun 2021 15:29

Tgt Ion: 69 Resp: 172
Ion Ratio Lower Upper
69 100
41 0.0 45.4 68.2#
39 0.0 21.7 32.5#

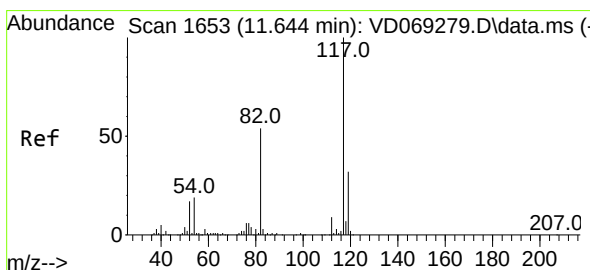
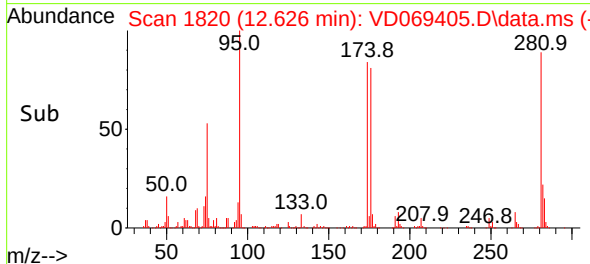
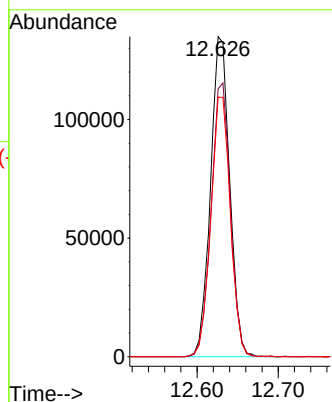
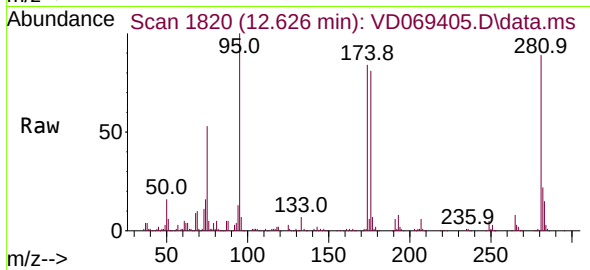




#62
4-Bromofluorobenzene
Concen: 54.11 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069405.D
Acq: 09 Jun 2021 15:29

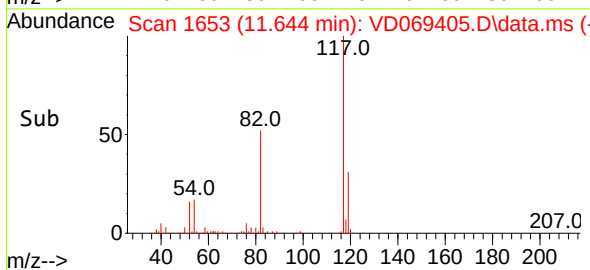
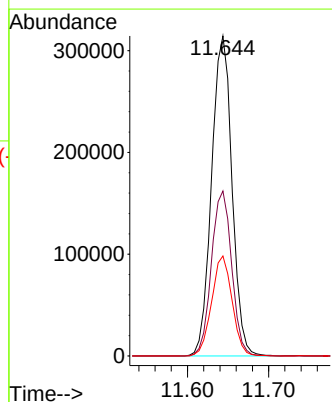
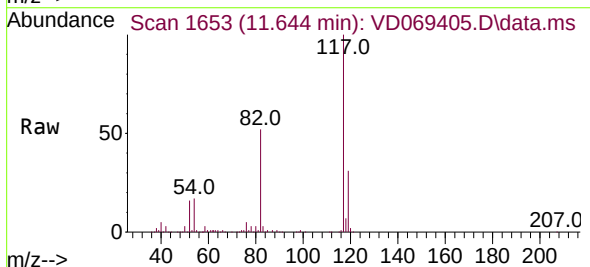
Instrument :
MSVOA_D
ClientSampled :

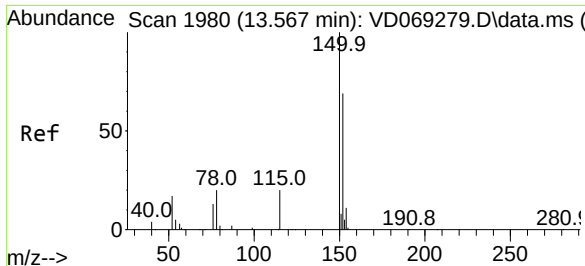
Tgt Ion: 95 Resp: 220846
Ion Ratio Lower Upper
95 100
174 86.0 0.0 162.8
176 82.7 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069405.D
Acq: 09 Jun 2021 15:29

Tgt Ion: 117 Resp: 549098
Ion Ratio Lower Upper
117 100
82 51.6 43.3 64.9
119 31.2 25.3 37.9

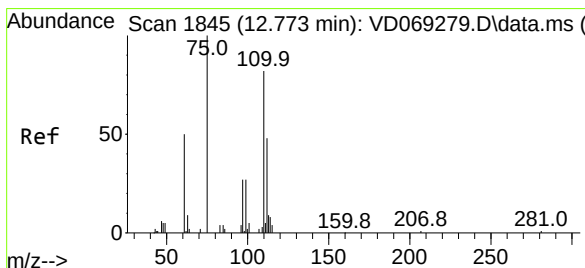
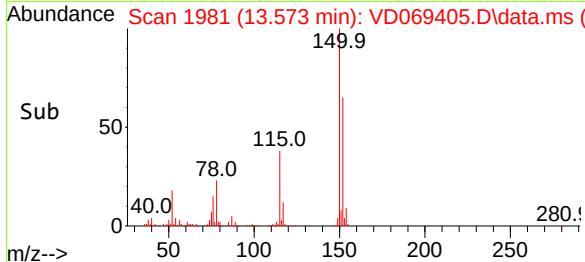
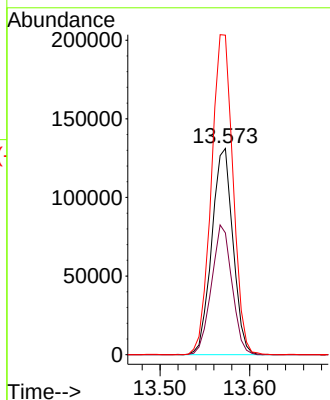
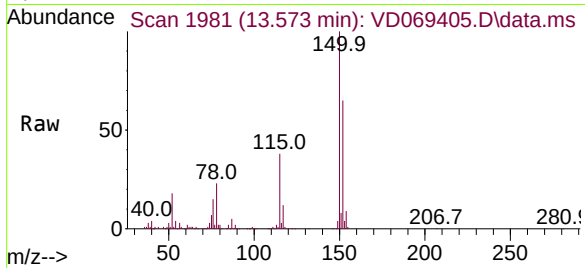




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.006 min
Lab File: VD069405.D
Acq: 09 Jun 2021 15:29

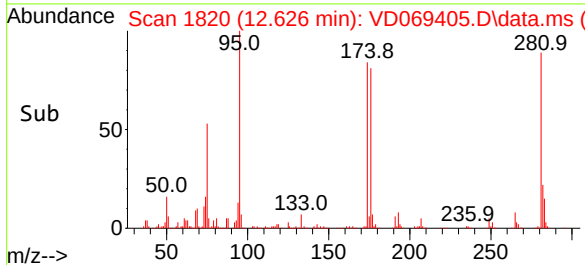
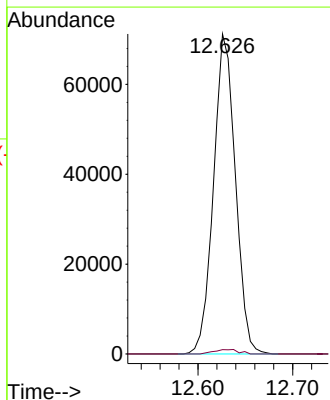
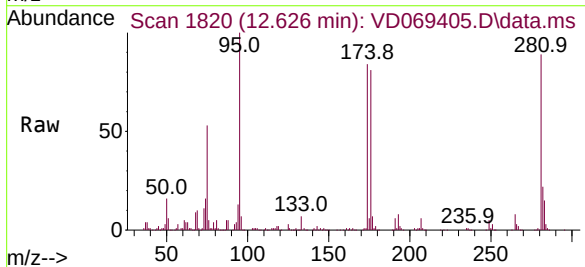
Instrument :
MSVOA_D
ClientSampled :

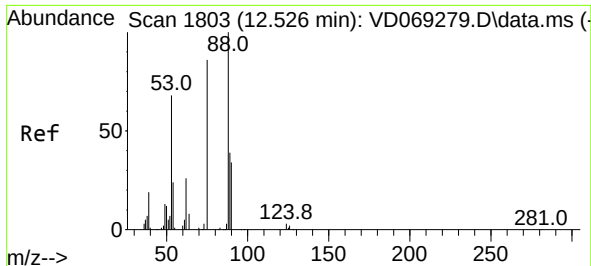
Tgt Ion:152 Resp: 215281
Ion Ratio Lower Upper
152 100
115 60.8 29.4 88.3
150 158.5 0.0 355.0



#76
1,2,3-Trichloropropane
Concen: 61.04 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069405.D
Acq: 09 Jun 2021 15:29

Tgt Ion: 75 Resp: 114163
Ion Ratio Lower Upper
75 100
77 1.6 183.8 551.2#

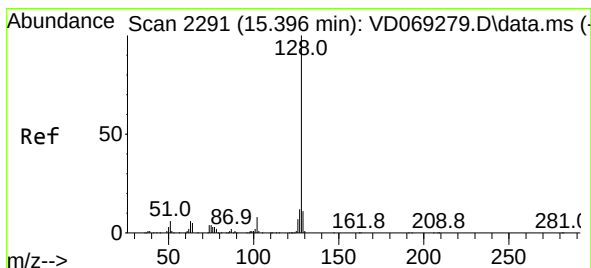
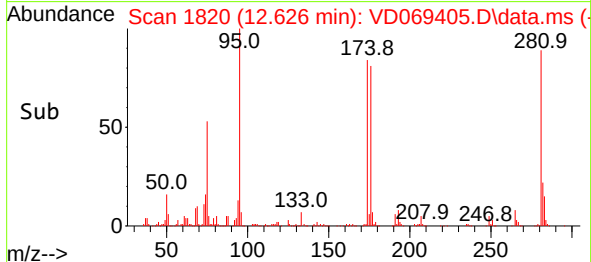
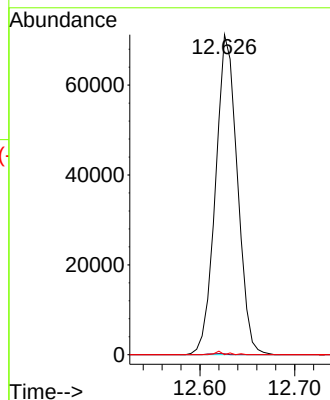
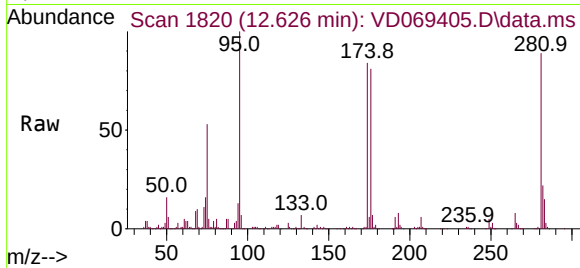




#81
trans-1,4-Dichloro-2-butene
Concen: 135.26 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069405.D
Acq: 09 Jun 2021 15:29

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 114163
Ion Ratio Lower Upper
75 100
53 0.3 62.6 94.0#
89 0.5 35.6 53.4#



#95
Naphthalene
Concen: 3.44 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069405.D
Acq: 09 Jun 2021 15:29

Tgt Ion:128 Resp: 1107
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 5.3 8.8 13.2#

