

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062221\
 Data File : VD069524.D
 Acq On : 22 Jun 2021 19:01
 Operator : VA/SY
 Sample : M2773-10
 Misc : 4.85G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 23 04:30:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

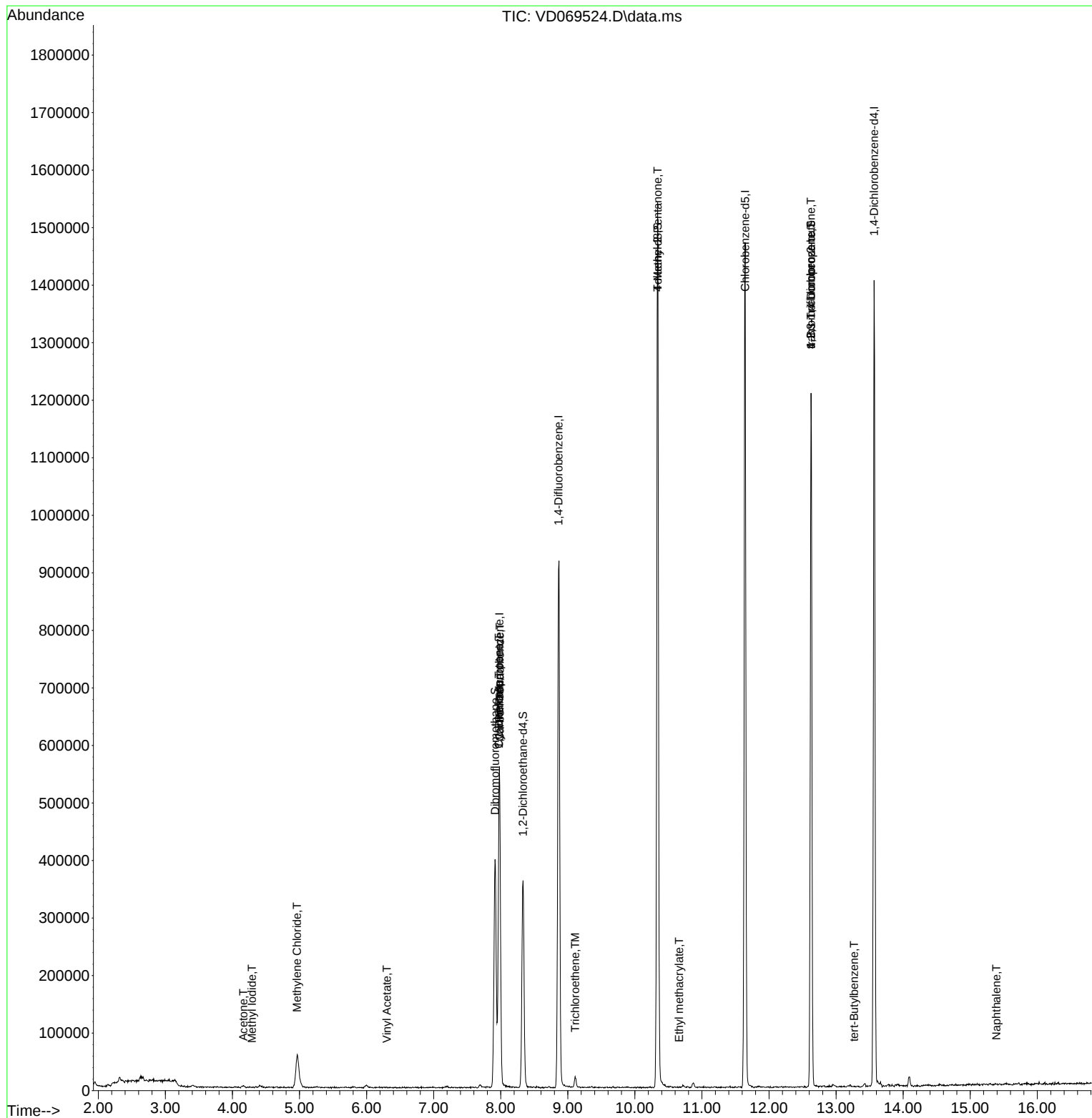
Internal Standards						
1) Pentafluorobenzene	7.979	168	388801	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	787443	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	835806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	363701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	296537	61.188	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.380%	
35) Dibromofluoromethane	7.914	113	291533	54.769	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.540%	
50) Toluene-d8	10.338	98	1050052	52.592	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.180%	
62) 4-Bromofluorobenzene	12.626	95	362072	55.161	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.320%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	1084	Below Cal		94
10) Methyl Iodide	4.291	142	99	3.963 ug/l	#	58
11) Tert butyl alcohol	5.209	59	231	Below Cal	#	83
16) Acetone	4.162	43	4955	6.074 ug/l	#	86
18) Methyl Acetate	4.697	43	135	Below Cal	#	49
20) Methylene Chloride	4.962	84	44881	2.595 ug/l		89
23) Vinyl Acetate	6.303	43	69	19.020 ug/l	#	70
31) Cyclohexane	7.973	56	9523	1.459 ug/l	#	1
36) 1,1-Dichloropropene	7.973	75	36476	4.720 ug/l	#	51
38) Carbon Tetrachloride	7.985	117	41746	5.458 ug/l	#	16
44) Trichloroethene	9.108	130	6495	1.155 ug/l		87
51) 4-Methyl-2-Pentanone	10.338	43	4782	1.745 ug/l	#	1
56) Ethyl methacrylate	10.661	69	72	2.595 ug/l	#	57
76) 1,2,3-Trichloropropane	12.626	75	189743	53.146 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.626	75	189743	132.699 ug/l	#	13
83) tert-Butylbenzene	13.267	119	55	1.995 ug/l	#	27
95) Naphthalene	15.390	128	88	3.362 ug/l	#	69

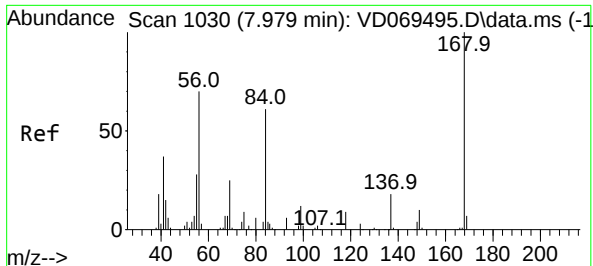
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_D
ClientSampled :

Quant Time: Jun 23 04:30:38 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 22 04:33:24 2021
Response via : Initial Calibration

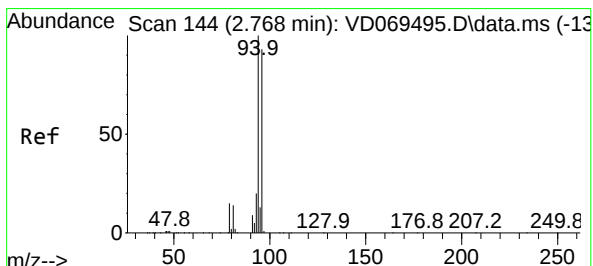
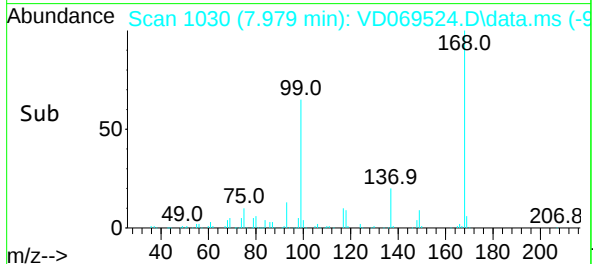
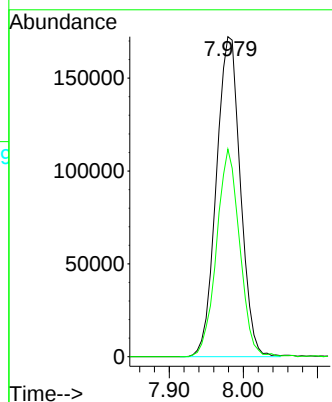
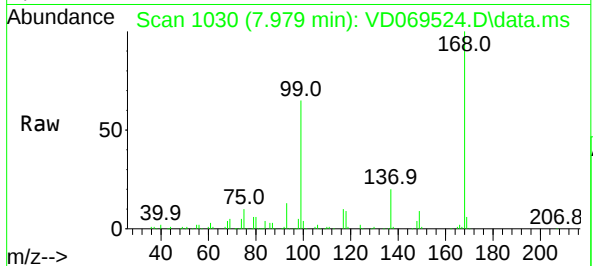




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069524.D
Acq: 22 Jun 2021 19:01

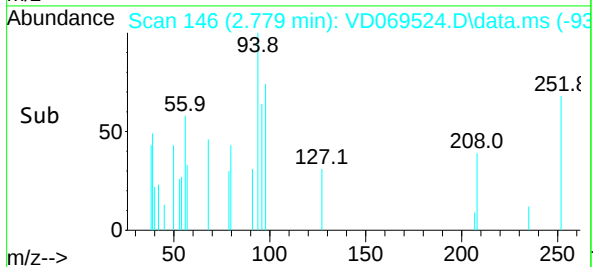
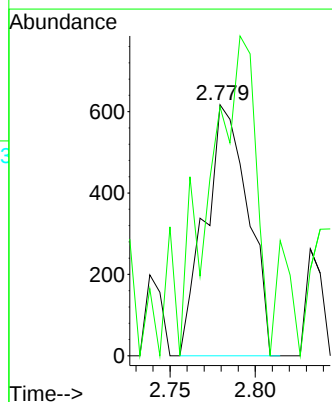
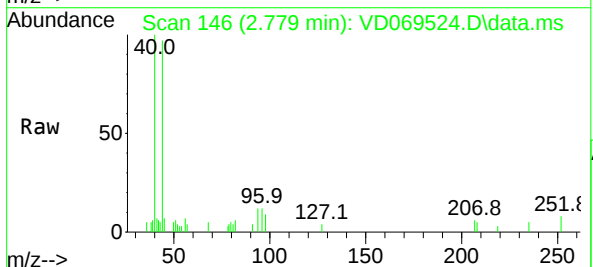
Instrument :
MSVOA_D
ClientSampled :

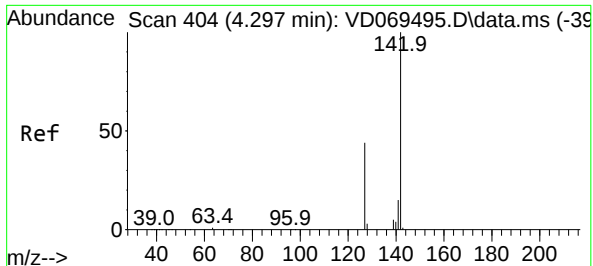
Tgt Ion:168 Resp: 388801
Ion Ratio Lower Upper
168 100
99 64.8 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069524.D
Acq: 22 Jun 2021 19:01

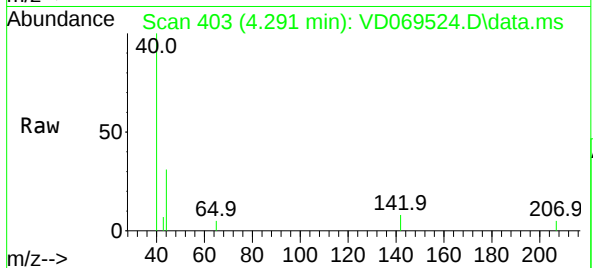
Tgt Ion: 94 Resp: 1084
Ion Ratio Lower Upper
94 100
96 99.2 74.6 111.8



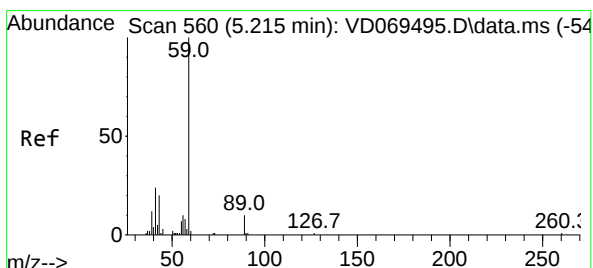
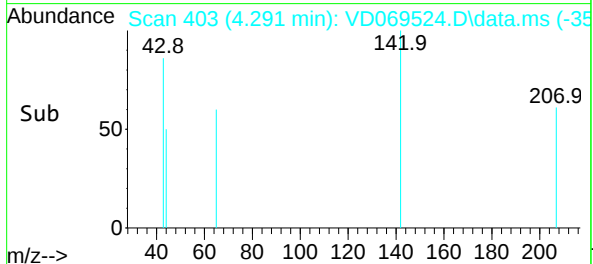
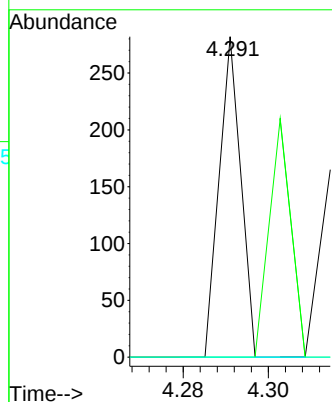


#10
Methyl Iodide
Concen: 3.963 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD069524.D
Acq: 22 Jun 2021 19:01

Instrument :
MSVOA_D
ClientSampled :

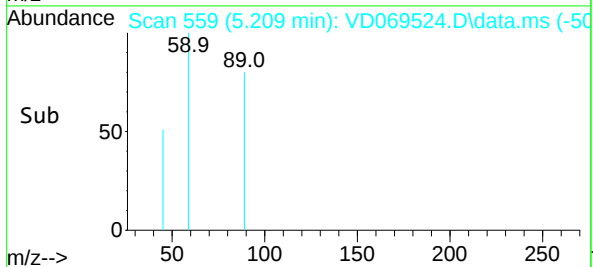
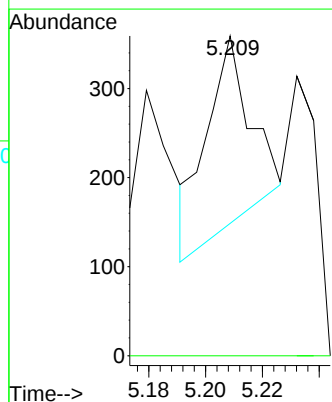
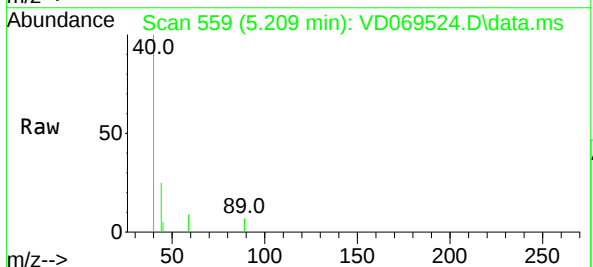


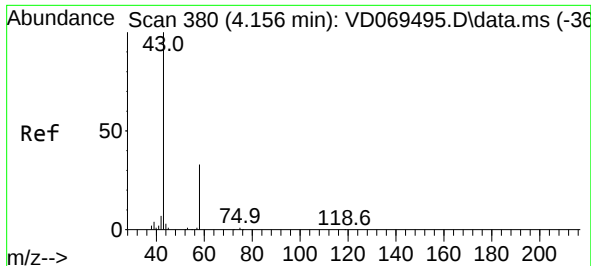
Tgt Ion:142 Resp: 99
Ion Ratio Lower Upper
142 100
127 74.7 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.006 min
Lab File: VD069524.D
Acq: 22 Jun 2021 19:01

Tgt Ion: 59 Resp: 231
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

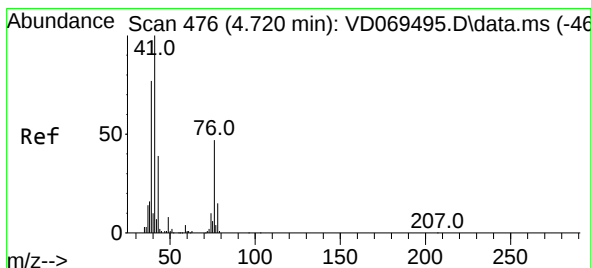
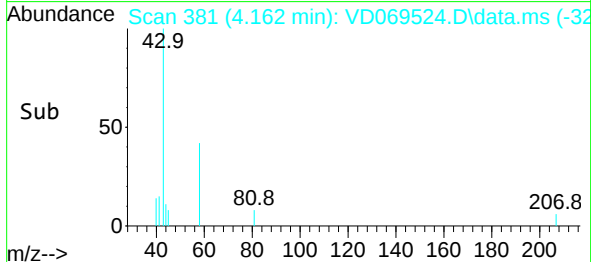
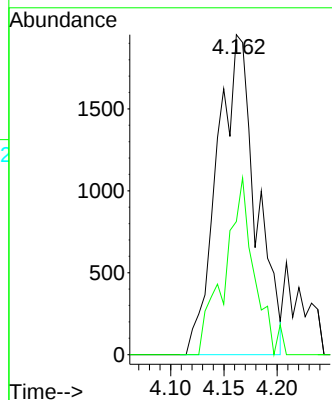
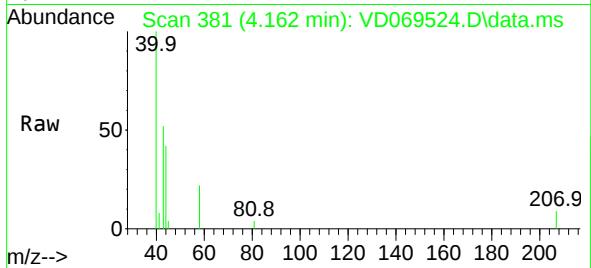




#16
Acetone
Concen: 6.074 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069524.D
Acq: 22 Jun 2021 19:01

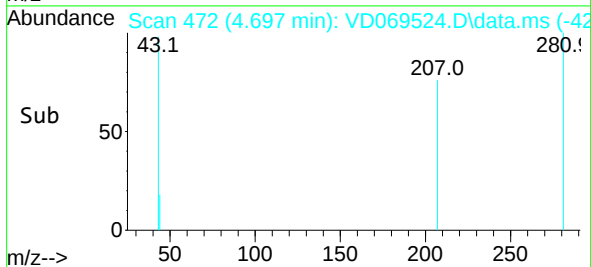
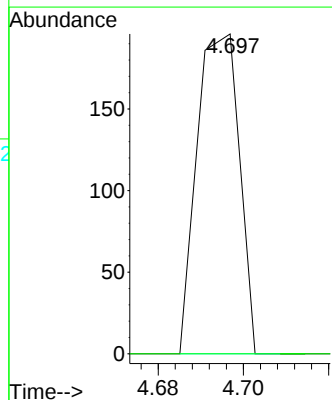
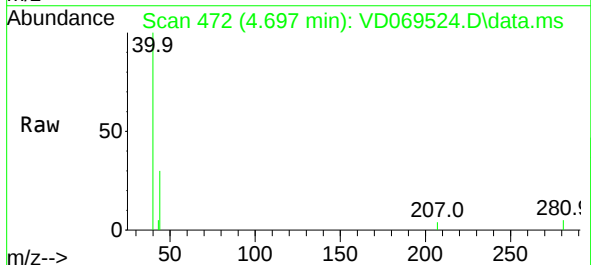
Instrument :
MSVOA_D
ClientSampled :

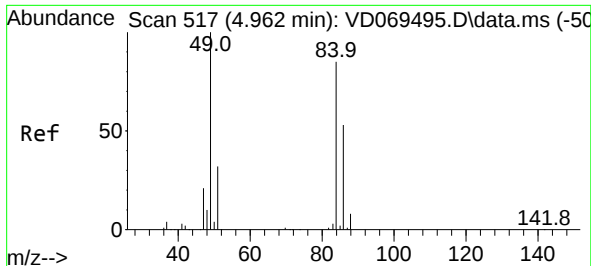
Tgt Ion: 43 Resp: 4955
Ion Ratio Lower Upper
43 100
58 41.6 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.697 min Scan# 472
Delta R.T. -0.023 min
Lab File: VD069524.D
Acq: 22 Jun 2021 19:01

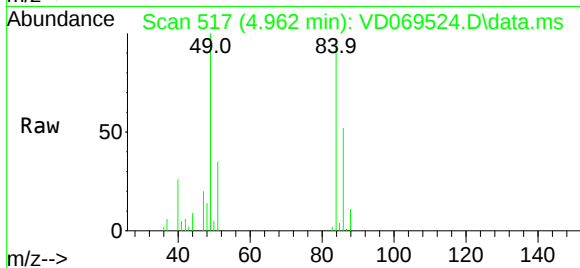
Tgt Ion: 43 Resp: 135
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



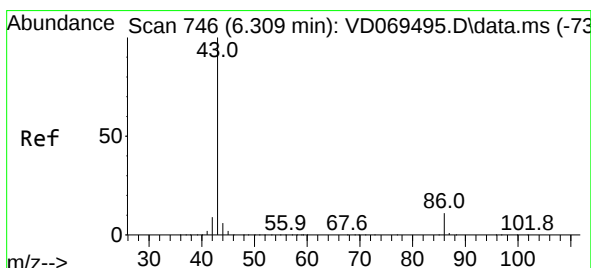
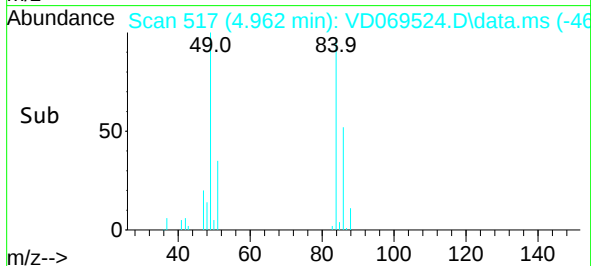
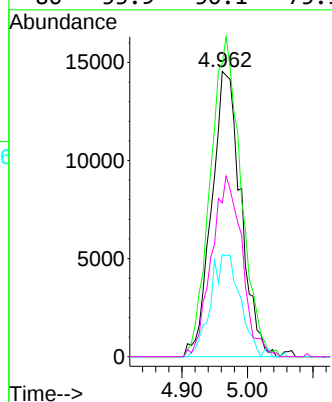


#20
Methylene Chloride
Concen: 2.595 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069524.D
Acq: 22 Jun 2021 19:01

Instrument :
MSVOA_D
ClientSampleId :

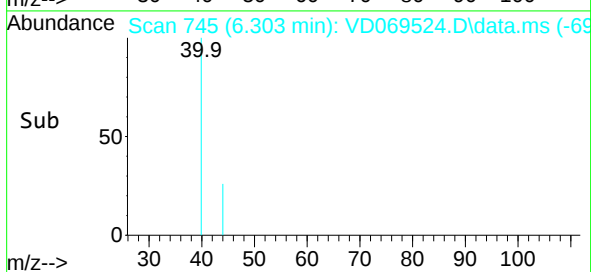
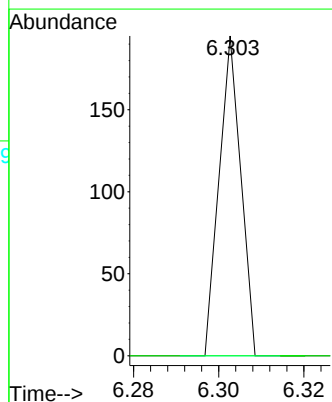
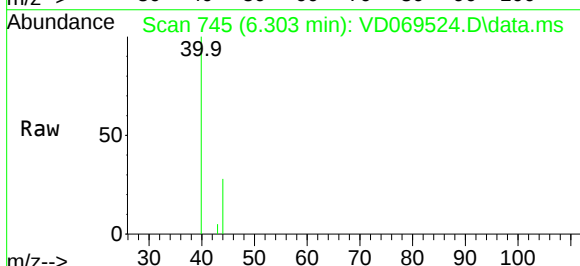


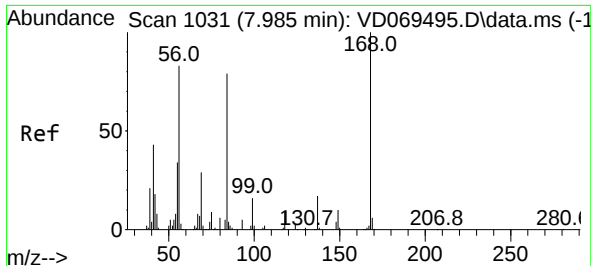
Tgt Ion:	84	Resp:	44881
Ion	Ratio	Lower	Upper
84	100		
49	102.8	94.0	141.0
51	35.8	29.7	44.5
86	53.9	50.1	75.1



#23
Vinyl Acetate
Concen: 19.020 ug/l
RT: 6.303 min Scan# 745
Delta R.T. -0.006 min
Lab File: VD069524.D
Acq: 22 Jun 2021 19:01

Tgt Ion:	43	Resp:	69
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#

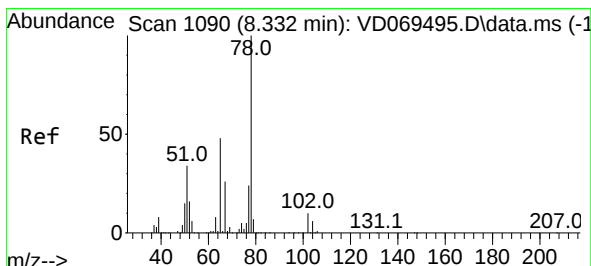
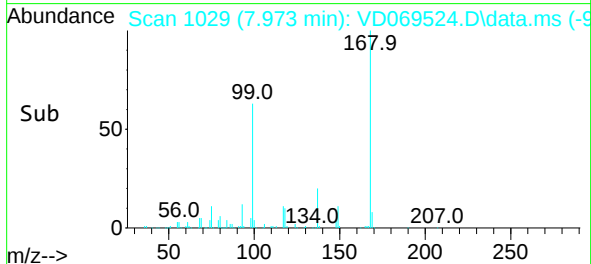
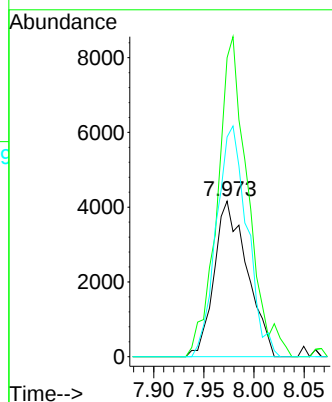
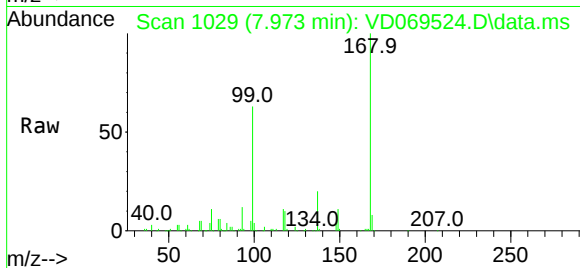




#31
Cyclohexane
Concen: 1.459 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069524.D
Acq: 22 Jun 2021 19:01

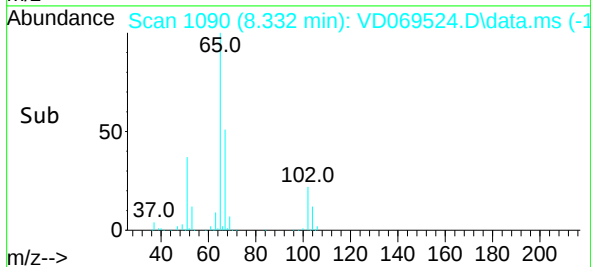
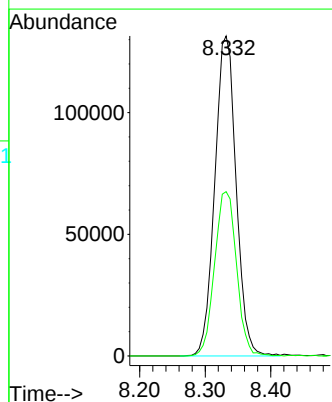
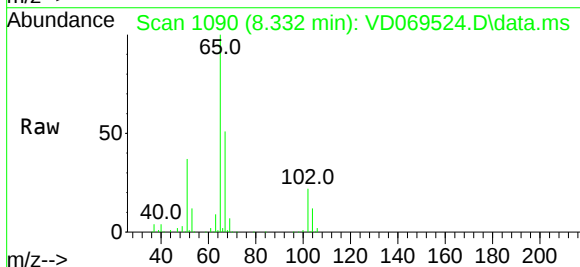
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MSVOA_D
ClientSampleId :

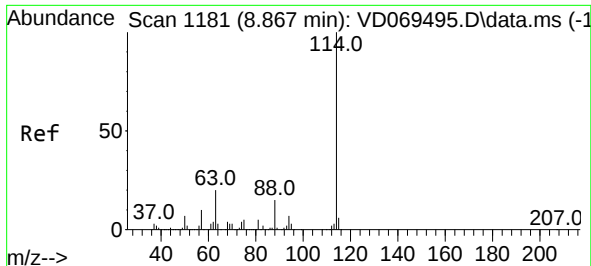
Tgt Ion: 56 Resp: 9523
Ion Ratio Lower Upper
56 100
69 192.2 28.0 42.0#
84 141.3 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 61.188 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069524.D
Acq: 22 Jun 2021 19:01

Tgt Ion: 65 Resp: 296537
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.6

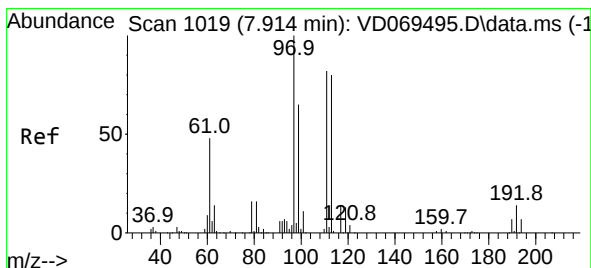
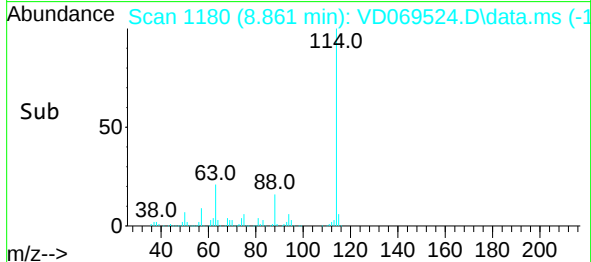
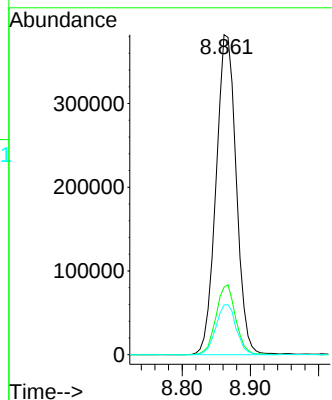
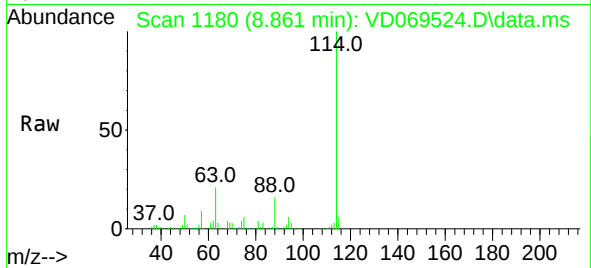




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069524.D
Acq: 22 Jun 2021 19:01

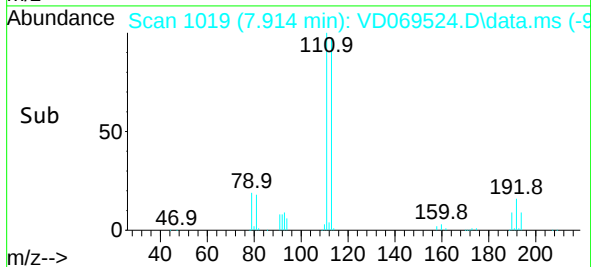
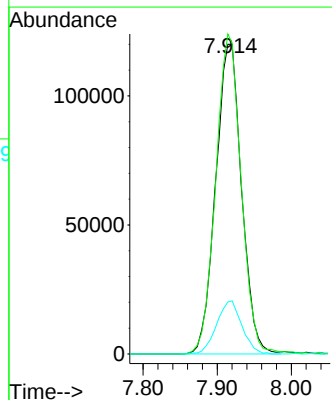
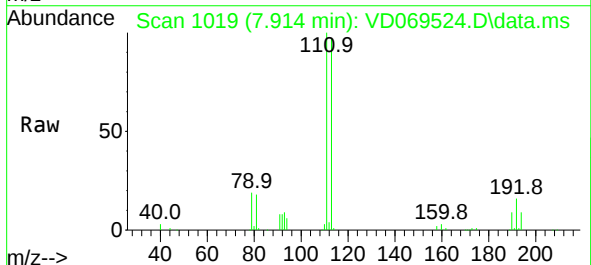
Instrument :
MSVOA_D
ClientSampleId :

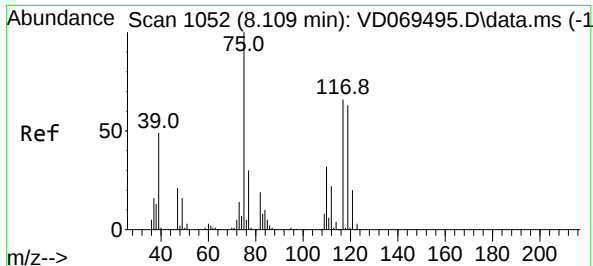
Tgt Ion:114 Resp: 787443
Ion Ratio Lower Upper
114 100
63 21.1 0.0 39.6
88 15.5 0.0 29.8



#35
Dibromofluoromethane
Concen: 54.769 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069524.D
Acq: 22 Jun 2021 19:01

Tgt Ion:113 Resp: 291533
Ion Ratio Lower Upper
113 100
111 101.4 81.8 122.8
192 16.7 13.8 20.6

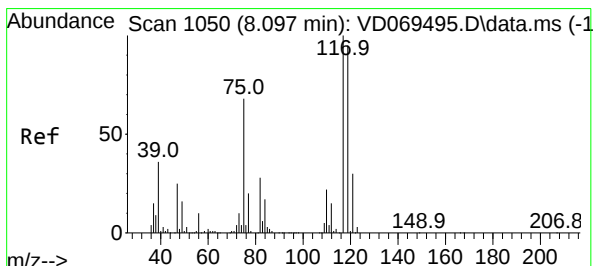
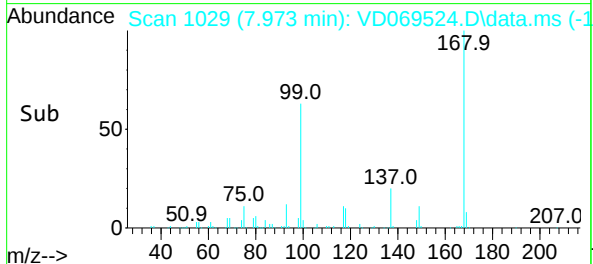
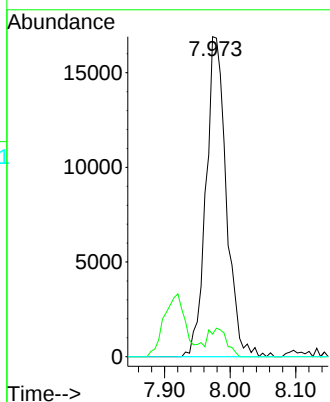
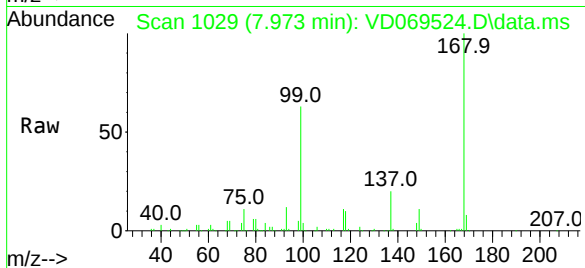




#36
1,1-Dichloropropene
Concen: 4.720 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069524.D
Acq: 22 Jun 2021 19:01

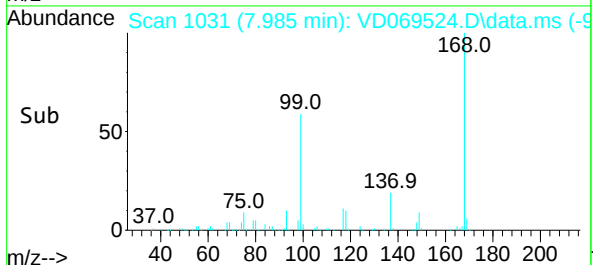
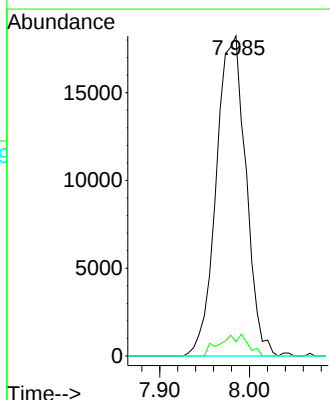
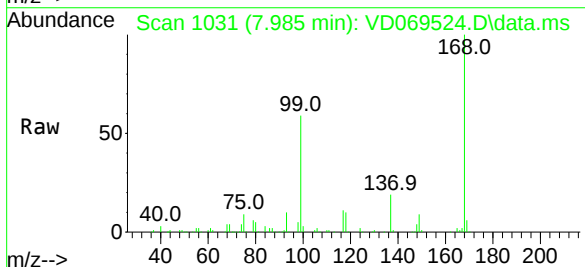
Instrument :
MSVOA_D
ClientSampled :

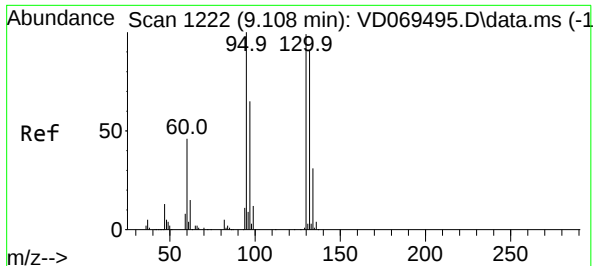
Tgt Ion: 75 Resp: 36476
Ion Ratio Lower Upper
75 100
110 9.0 16.8 50.4#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.458 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD069524.D
Acq: 22 Jun 2021 19:01

Tgt Ion: 117 Resp: 41746
Ion Ratio Lower Upper
117 100
119 4.5 75.6 113.4#
121 0.0 23.8 35.8#

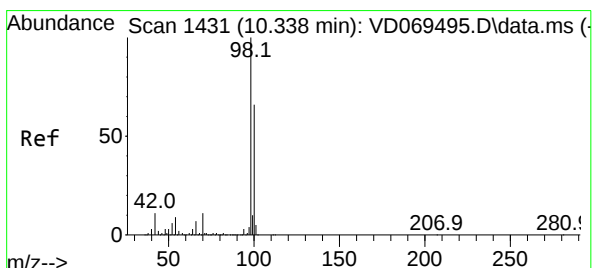
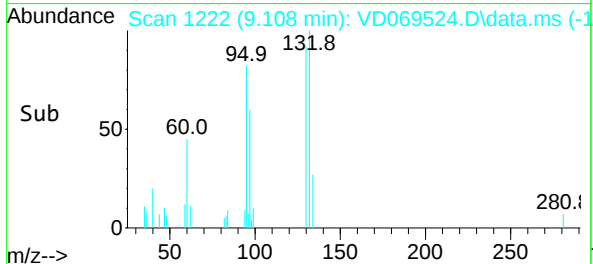
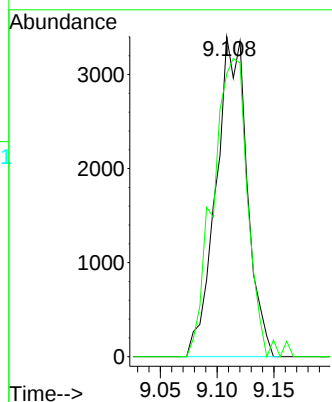
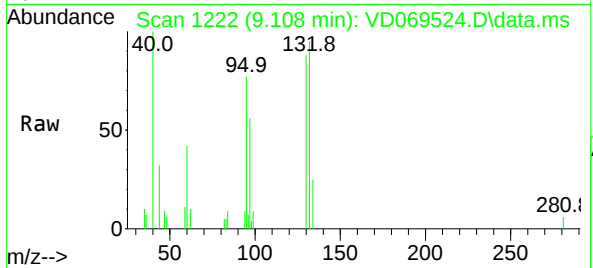




#44
Trichloroethene
Concen: 1.155 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VD069524.D
Acq: 22 Jun 2021 19:01

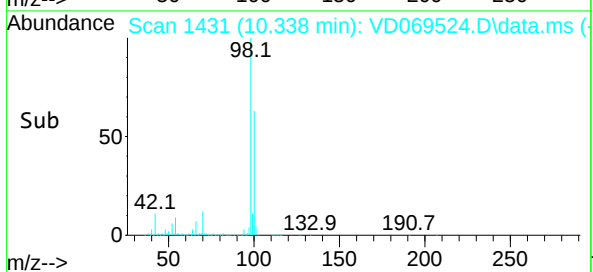
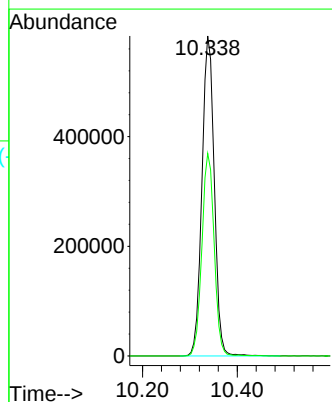
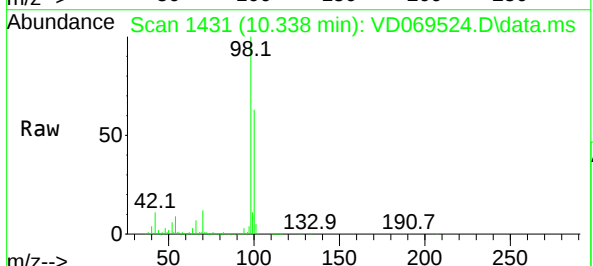
Instrument :
MSVOA_D
ClientSampled :

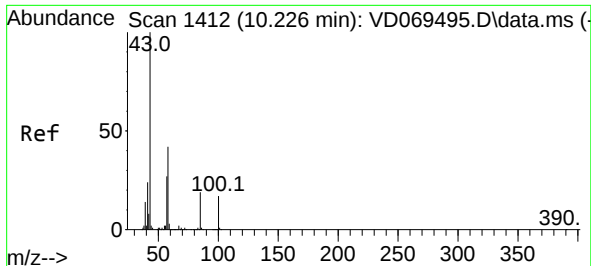
Tgt Ion:130 Resp: 6495
Ion Ratio Lower Upper
130 100
95 88.4 0.0 202.2



#50
Toluene-d8
Concen: 52.592 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069524.D
Acq: 22 Jun 2021 19:01

Tgt Ion: 98 Resp: 1050052
Ion Ratio Lower Upper
98 100
100 63.2 52.3 78.5

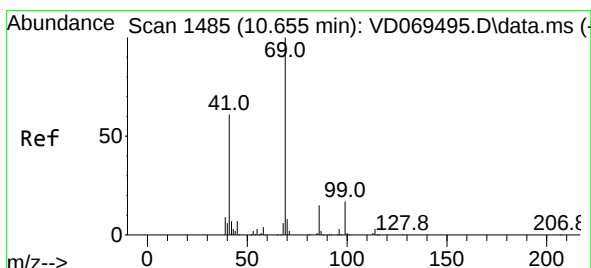
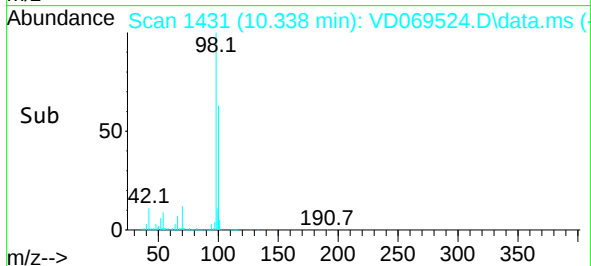
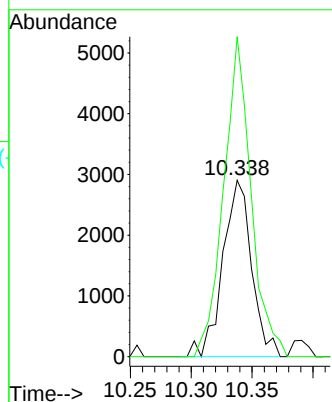
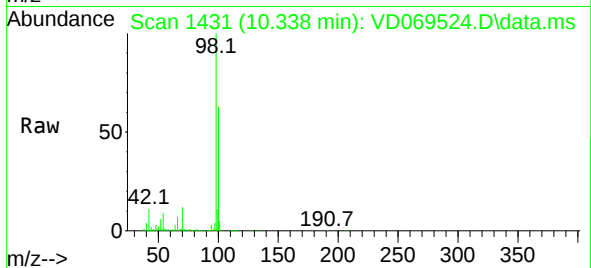




#51
4-Methyl-2-Pentanone
Concen: 1.745 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD069524.D
Acq: 22 Jun 2021 19:01

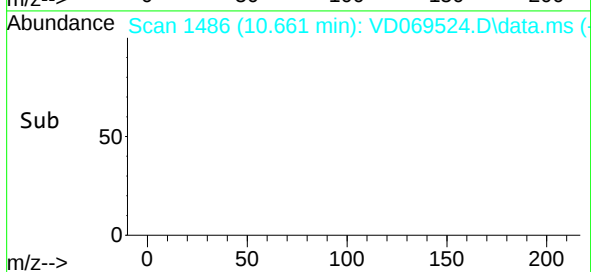
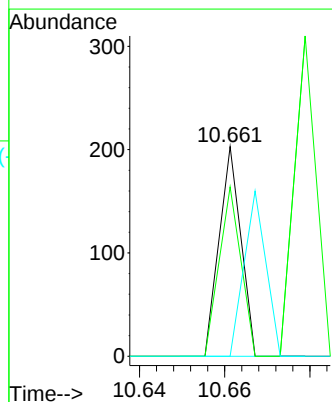
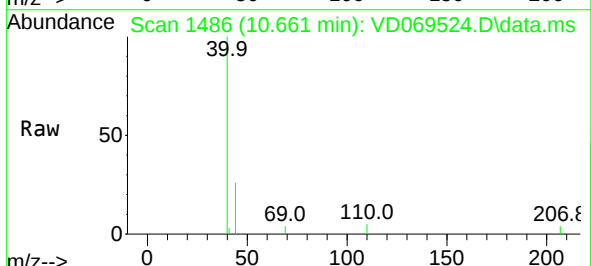
Instrument :
MSVOA_D
ClientSampled :

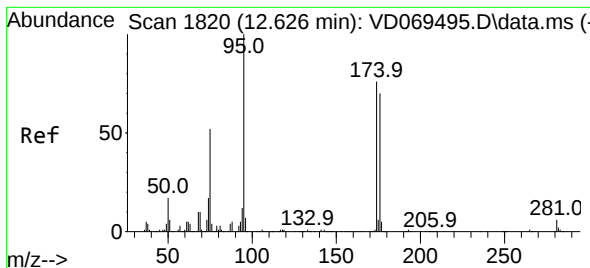
Tgt Ion: 43 Resp: 4782
Ion Ratio Lower Upper
43 100
58 172.3 33.6 50.4#



#56
Ethyl methacrylate
Concen: 2.595 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD069524.D
Acq: 22 Jun 2021 19:01

Tgt Ion: 69 Resp: 72
Ion Ratio Lower Upper
69 100
41 80.6 49.4 74.0#
39 77.8 26.9 40.3#

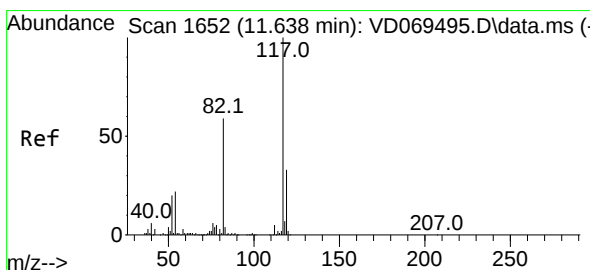
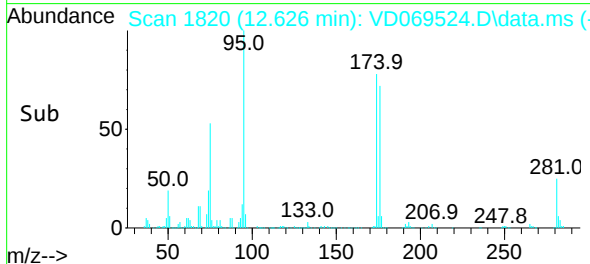
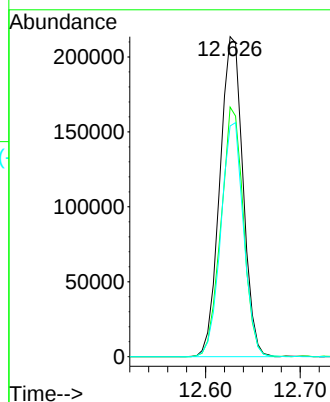
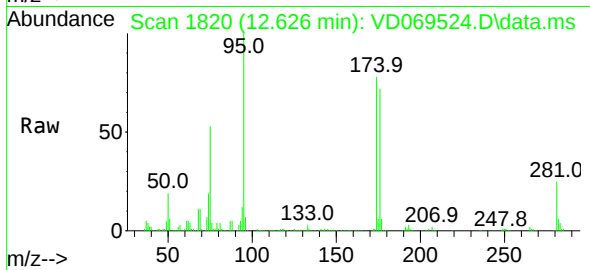




#62
4-Bromofluorobenzene
Concen: 55.161 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069524.D
Acq: 22 Jun 2021 19:01

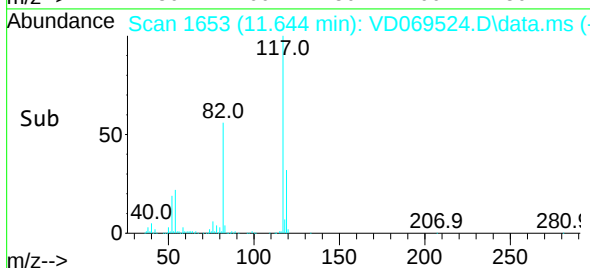
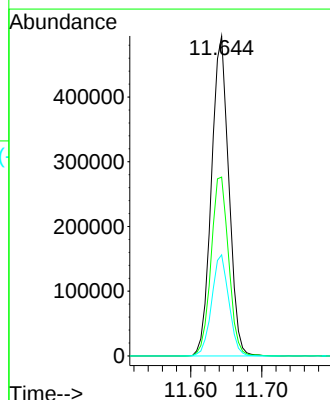
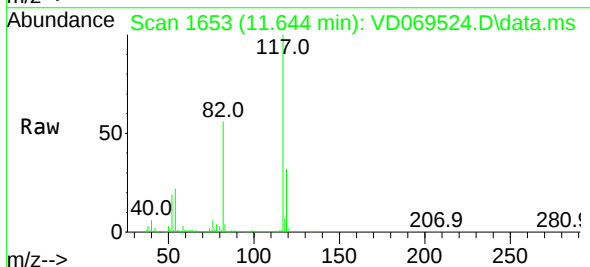
Instrument :
MSVOA_D
ClientSampleId :

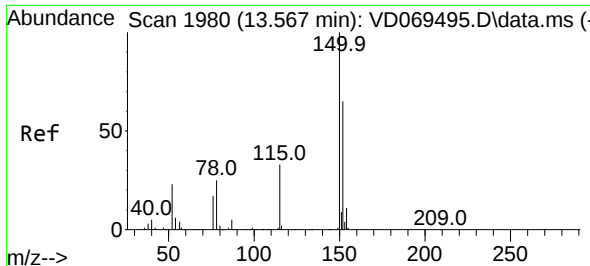
Tgt Ion: 95 Resp: 362072
Ion Ratio Lower Upper
95 100
174 75.4 0.0 148.0
176 71.8 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069524.D
Acq: 22 Jun 2021 19:01

Tgt Ion:117 Resp: 835806
Ion Ratio Lower Upper
117 100
82 55.9 46.8 70.2
119 31.6 26.2 39.2

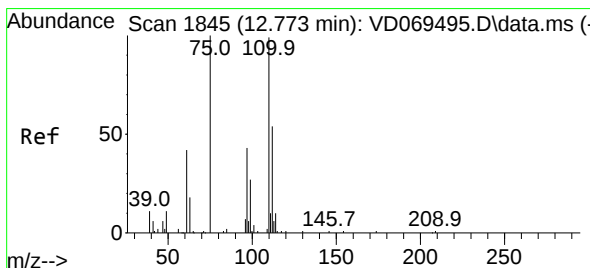
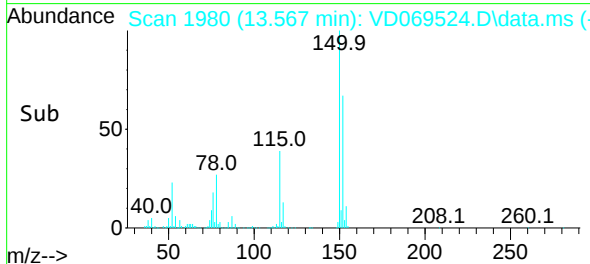
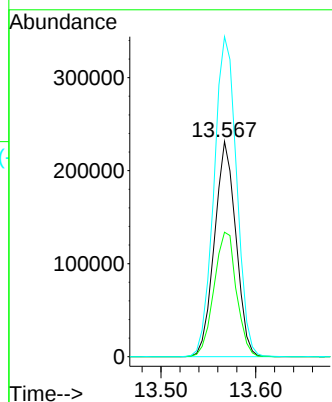
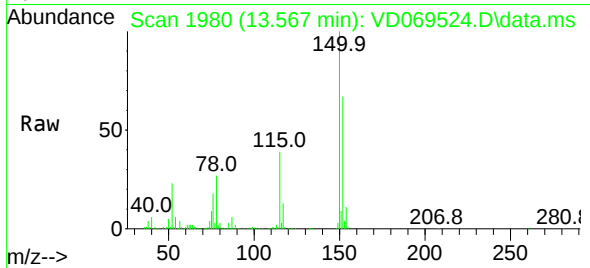




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069524.D
Acq: 22 Jun 2021 19:01

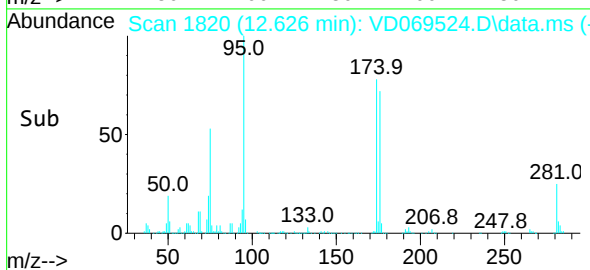
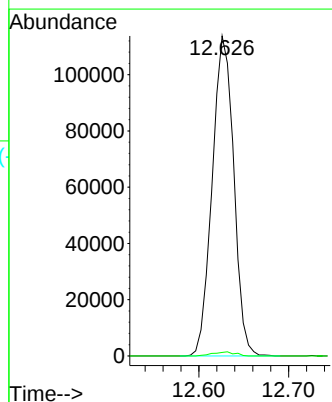
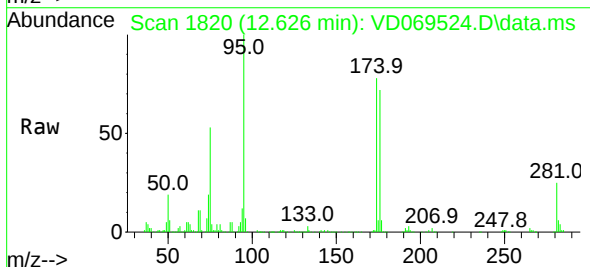
Instrument :
MSVOA_D
ClientSampleId :

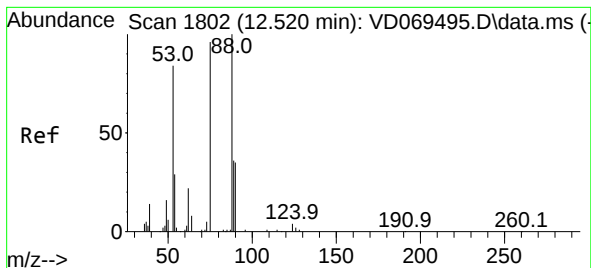
Tgt Ion:152 Resp: 363701
Ion Ratio Lower Upper
152 100
115 60.7 31.7 95.1
150 157.3 0.0 350.8



#76
1,2,3-Trichloropropane
Concen: 53.146 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069524.D
Acq: 22 Jun 2021 19:01

Tgt Ion: 75 Resp: 189743
Ion Ratio Lower Upper
75 100
77 1.3 162.6 487.8#

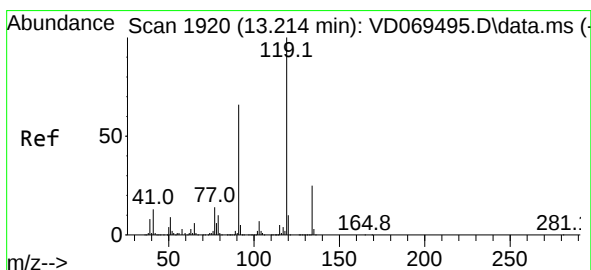
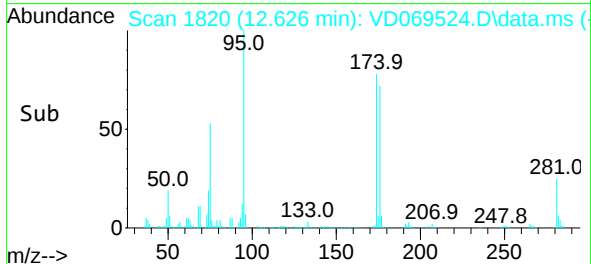
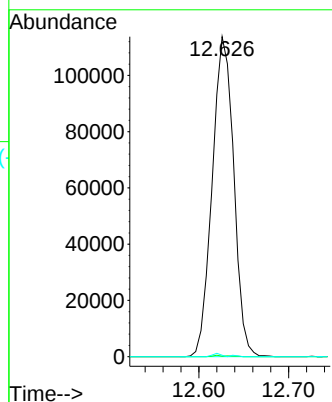
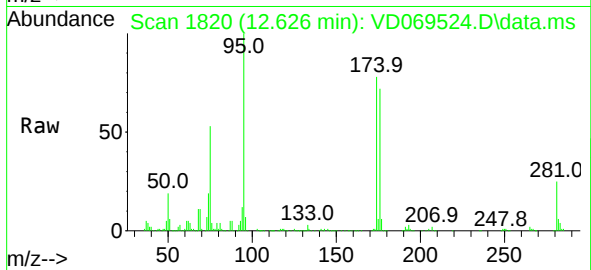




#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.699 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069524.D
 Acq: 22 Jun 2021 19:01

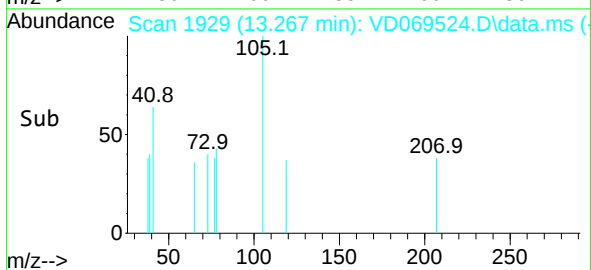
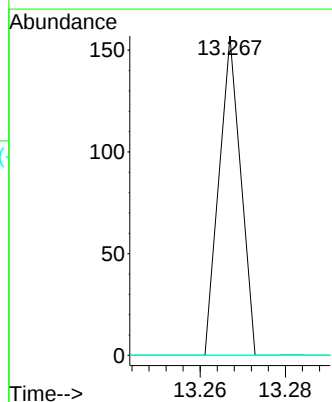
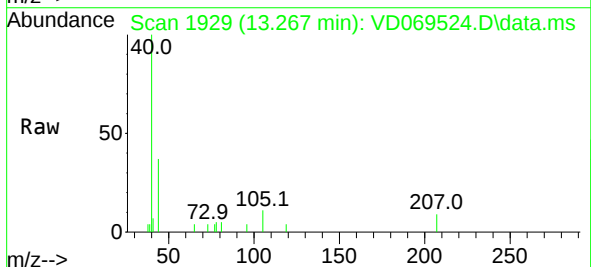
Instrument :
 MSVOA_D
 ClientSampleId :

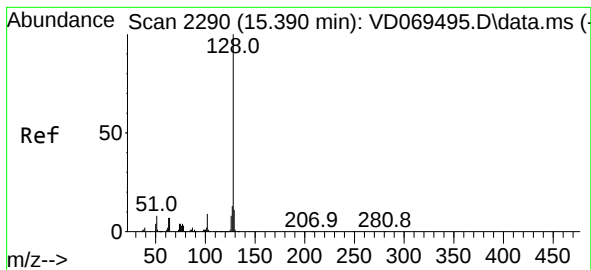
Tgt Ion: 75 Resp: 189743
 Ion Ratio Lower Upper
 75 100
 53 0.3 74.6 112.0#
 89 0.4 35.3 52.9#



#83
 tert-Butylbenzene
 Concen: 1.995 ug/l
 RT: 13.267 min Scan# 1929
 Delta R.T. 0.053 min
 Lab File: VD069524.D
 Acq: 22 Jun 2021 19:01

Tgt Ion: 119 Resp: 55
 Ion Ratio Lower Upper
 119 100
 91 0.0 32.5 97.4#
 134 0.0 12.9 38.7#





#95
Naphthalene
Concen: 3.362 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069524.D
Acq: 22 Jun 2021 19:01

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.7	13.1#

