

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072321\
 Data File : VD069831.D
 Acq On : 23 Jul 2021 16:19
 Operator : VA/SY
 Sample : M3117-03RE
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 24 01:35:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

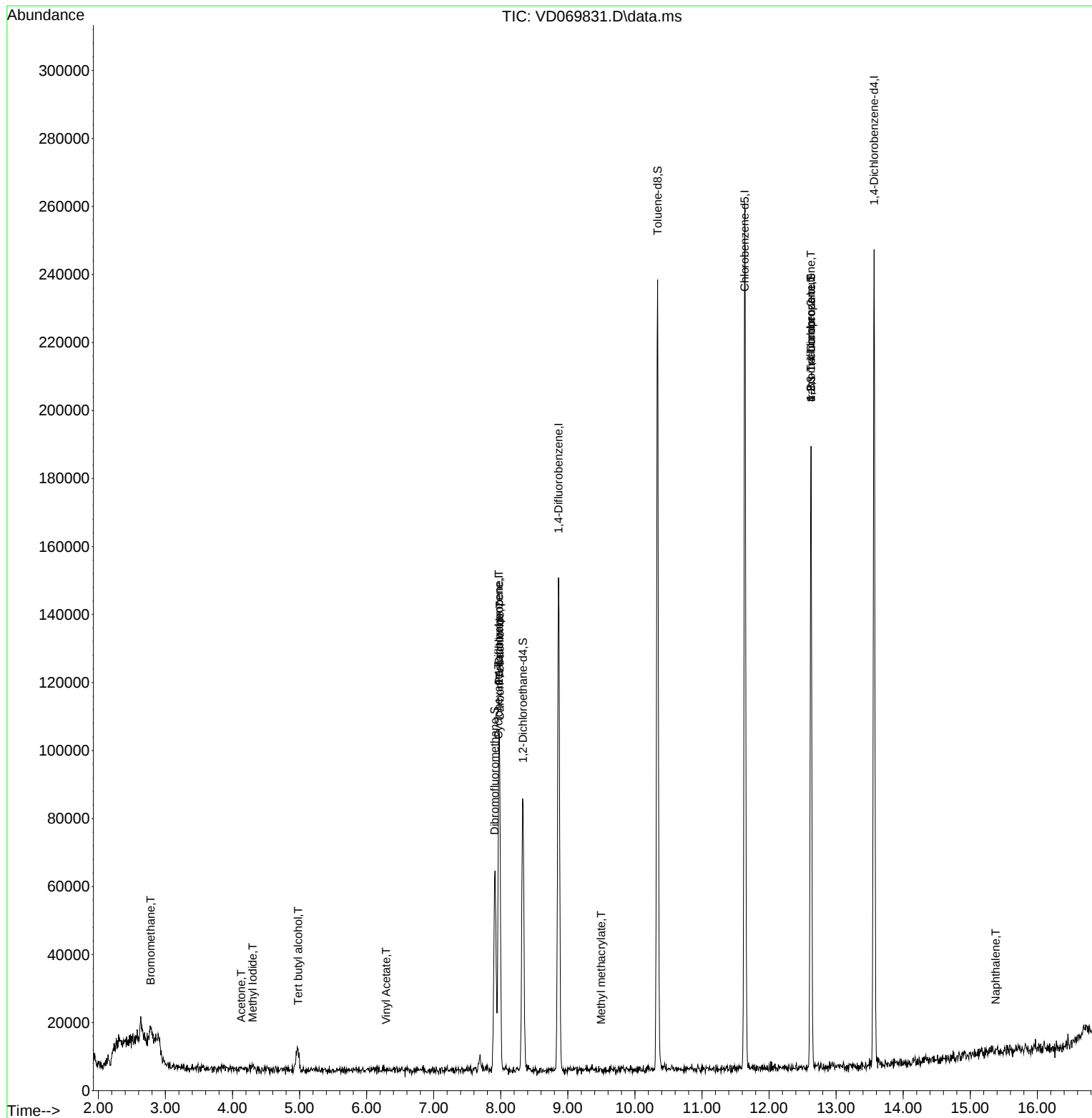
Internal Standards						
1) Pentafluorobenzene	7.973	168	73272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	126281	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	146443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	65586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	61954	73.519	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 147.040%			
35) Dibromofluoromethane	7.908	113	43461	54.594	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.180%			
50) Toluene-d8	10.337	98	159015	51.803	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.600%			
62) 4-Bromofluorobenzene	12.626	95	61014	59.475	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 118.960%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	2838	2.262	ug/l	84
10) Methyl Iodide	4.302	142	1086	4.572	ug/l #	40
11) Tert butyl alcohol	4.979	59	65	1.491	ug/l #	73
16) Acetone	4.132	43	737	4.841	ug/l #	38
20) Methylene Chloride	4.967	84	5091	Below Cal		92
23) Vinyl Acetate	6.291	43	57	20.385	ug/l #	71
31) Cyclohexane	7.967	56	1937	1.176	ug/l #	21
36) 1,1-Dichloropropene	7.973	75	6526	4.789	ug/l #	46
38) Carbon Tetrachloride	7.985	117	7557	6.071	ug/l #	19
48) Methyl methacrylate	9.496	41	63	2.872	ug/l #	13
76) 1,2,3-Trichloropropane	12.626	75	30580	43.865	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	30580	133.076	ug/l #	16
95) Naphthalene	15.378	128	56	5.022	ug/l #	69

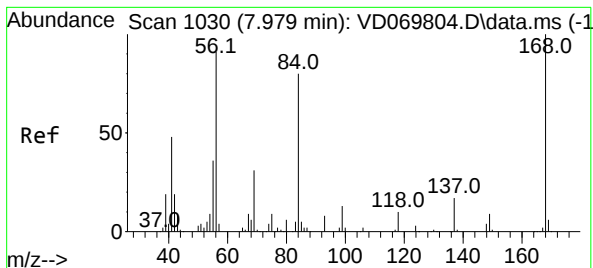
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
ClientSampled :

Quant Time: Jul 24 01:35:16 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 23 04:51:13 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD069831.D

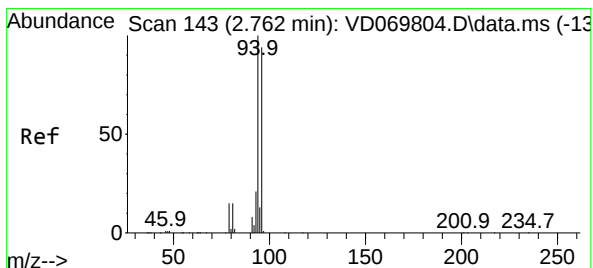
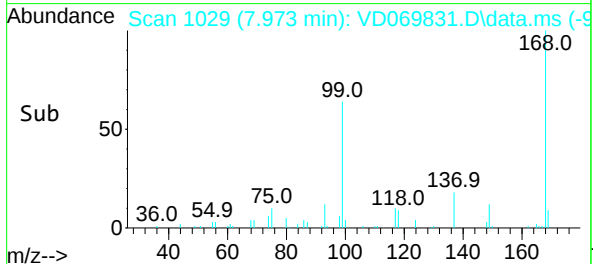
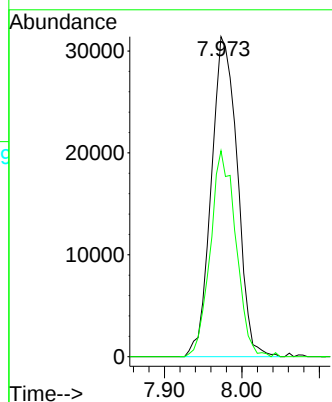
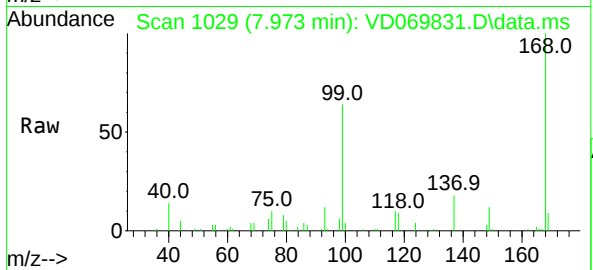
Acq: 23 Jul 2021 16:19

Tgt Ion:168 Resp: 73272

Ion Ratio Lower Upper

168 100

99 64.4 51.1 76.7



#5

Bromomethane

Concen: 2.262 ug/l

RT: 2.779 min Scan# 146

Delta R.T. 0.017 min

Lab File: VD069831.D

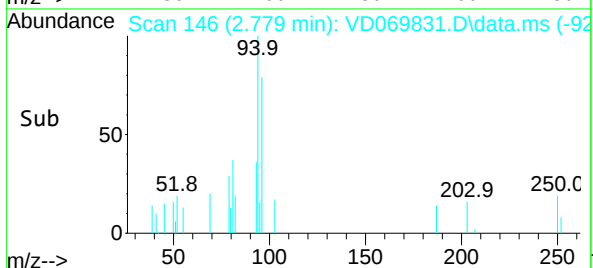
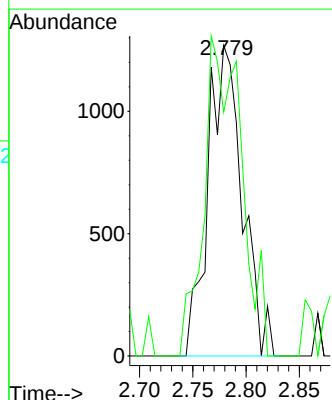
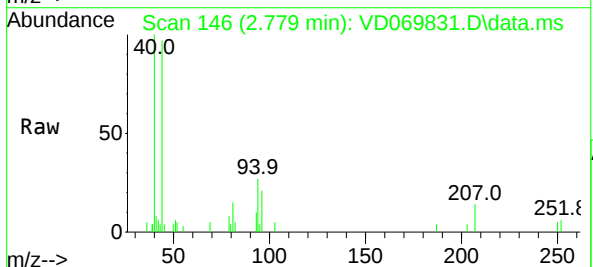
Acq: 23 Jul 2021 16:19

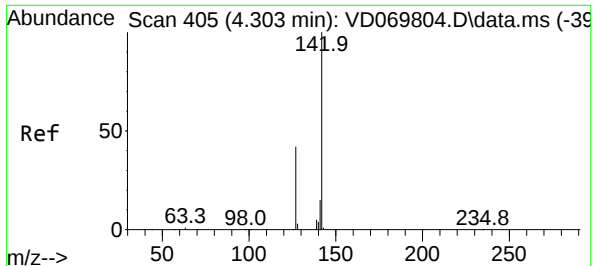
Tgt Ion: 94 Resp: 2838

Ion Ratio Lower Upper

94 100

96 78.6 74.8 112.2

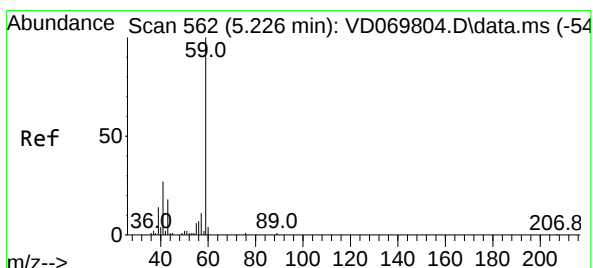
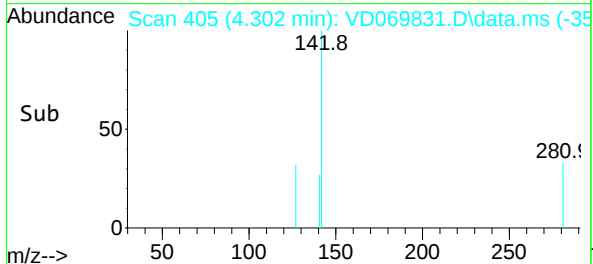
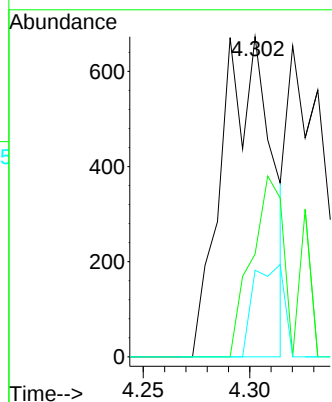
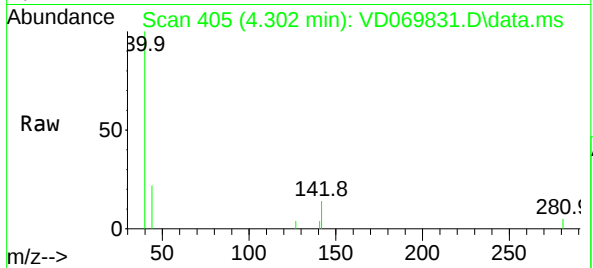




#10
Methyl Iodide
Concen: 4.572 ug/l
RT: 4.302 min Scan# 405
Delta R.T. -0.001 min
Lab File: VD069831.D
Acq: 23 Jul 2021 16:19

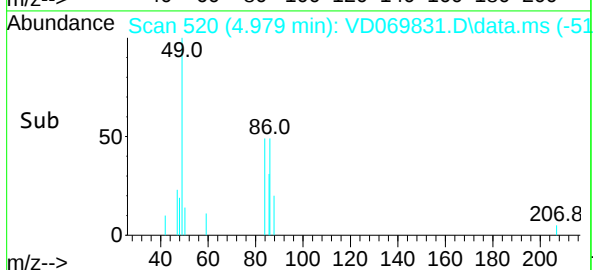
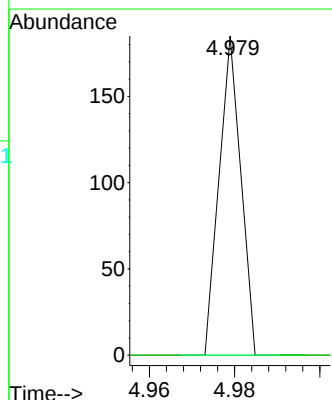
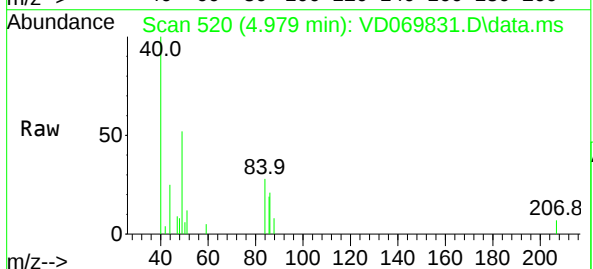
Instrument :
MSVOA_D
ClientSampleId :

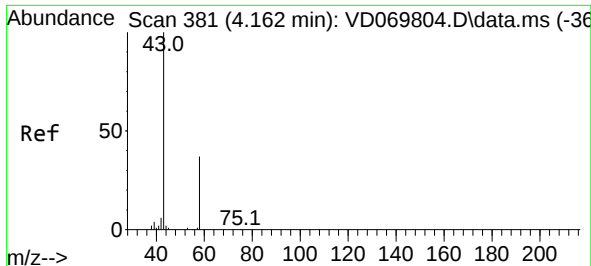
Tgt Ion:142 Resp: 1086
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.491 ug/l
RT: 4.979 min Scan# 520
Delta R.T. -0.247 min
Lab File: VD069831.D
Acq: 23 Jul 2021 16:19

Tgt Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

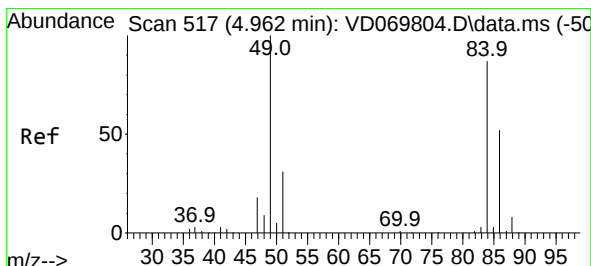
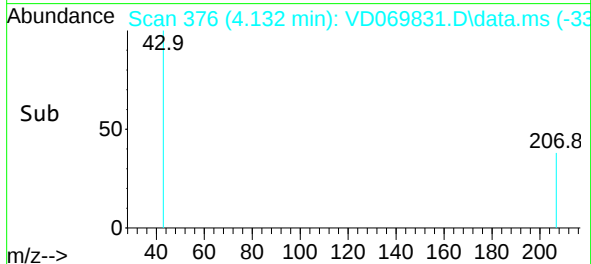
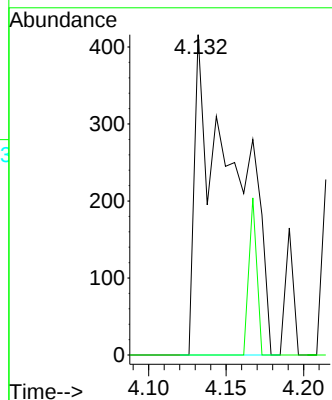
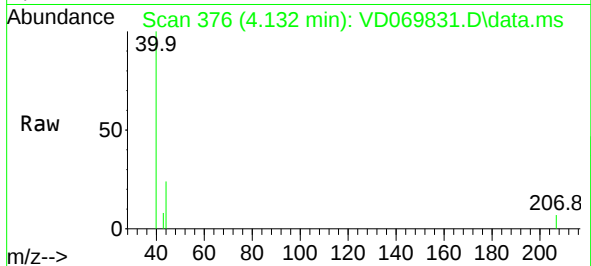




#16
Acetone
Concen: 4.841 ug/l
RT: 4.132 min Scan# 376
Delta R.T. -0.030 min
Lab File: VD069831.D
Acq: 23 Jul 2021 16:19

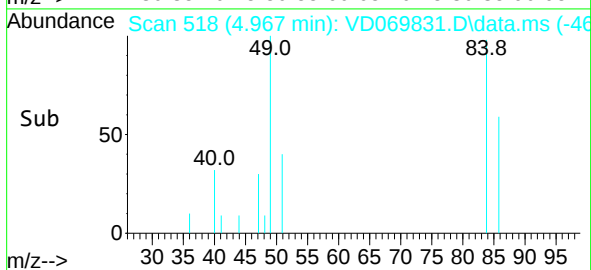
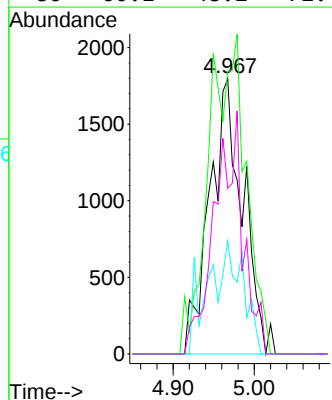
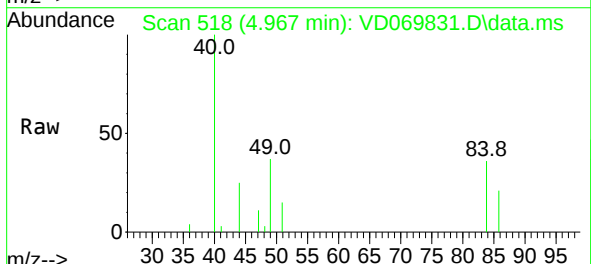
Instrument :
MSVOA_D
ClientSampled :

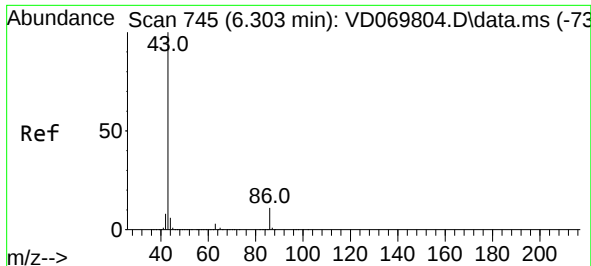
Tgt Ion: 43 Resp: 737
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069831.D
Acq: 23 Jul 2021 16:19

Tgt Ion: 84 Resp: 5091
Ion Ratio Lower Upper
84 100
49 102.5 92.4 138.6
51 40.9 28.5 42.7
86 60.1 48.2 72.4

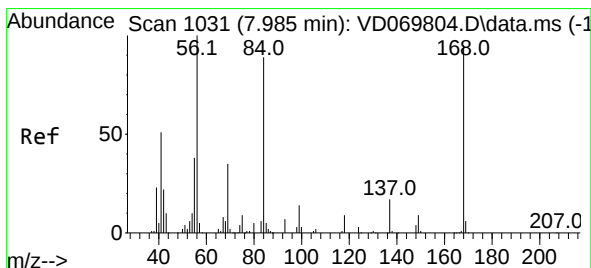
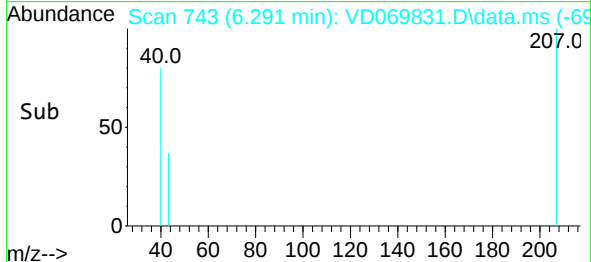
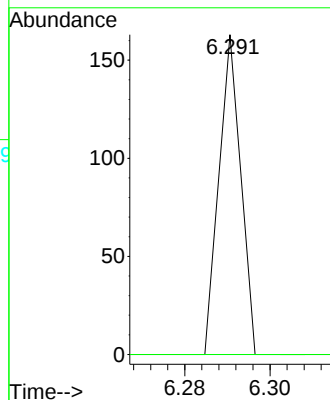
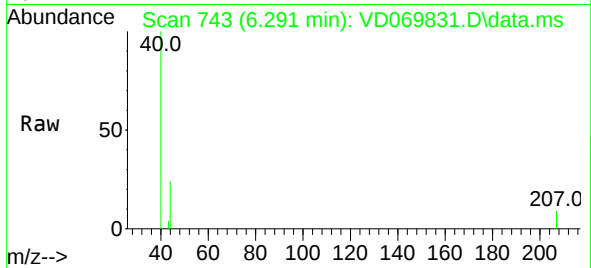




#23
 Vinyl Acetate
 Concen: 20.385 ug/l
 RT: 6.291 min Scan# 743
 Delta R.T. -0.012 min
 Lab File: VD069831.D
 Acq: 23 Jul 2021 16:19

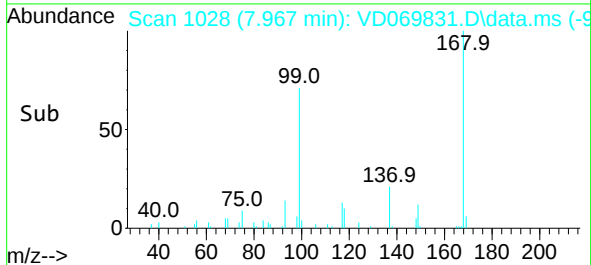
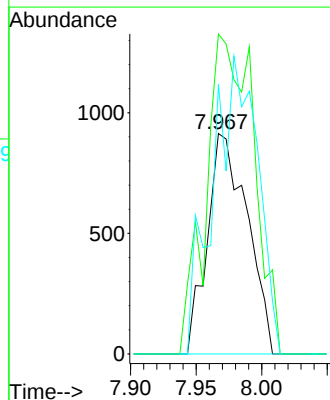
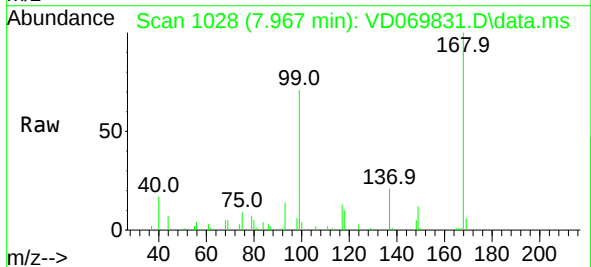
Instrument :
 MSVOA_D
 ClientSampled :

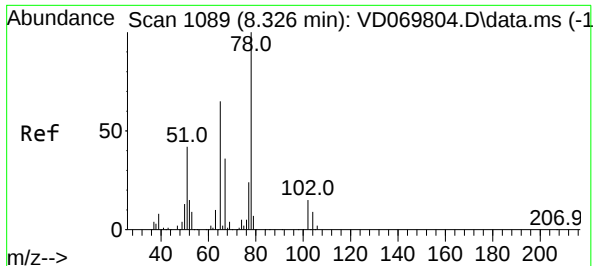
Tgt Ion: 43 Resp: 57
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#31
 Cyclohexane
 Concen: 1.176 ug/l
 RT: 7.967 min Scan# 1028
 Delta R.T. -0.018 min
 Lab File: VD069831.D
 Acq: 23 Jul 2021 16:19

Tgt Ion: 56 Resp: 1937
 Ion Ratio Lower Upper
 56 100
 69 145.2 27.9 41.9#
 84 122.2 71.4 107.2#

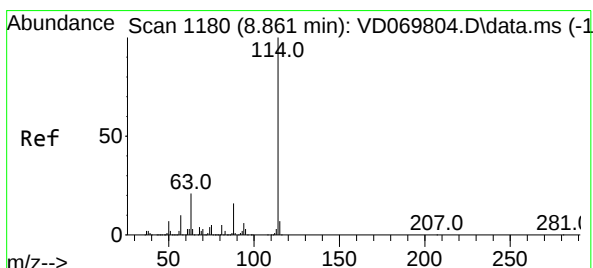
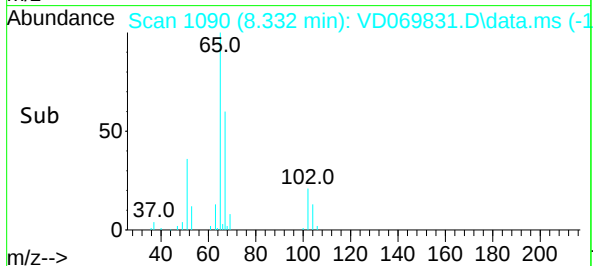
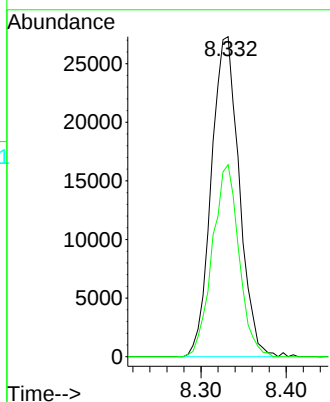
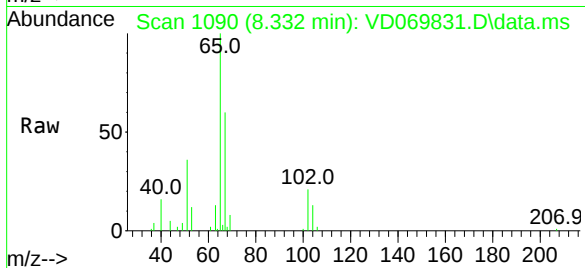




#33
1,2-Dichloroethane-d4
Concen: 73.519 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069831.D
Acq: 23 Jul 2021 16:19

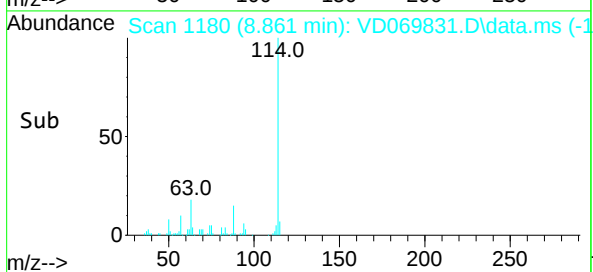
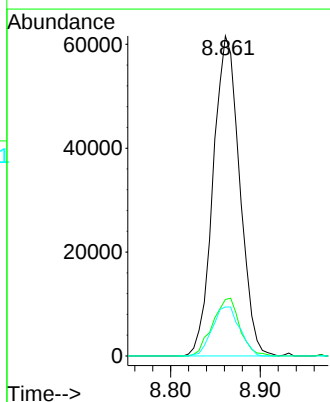
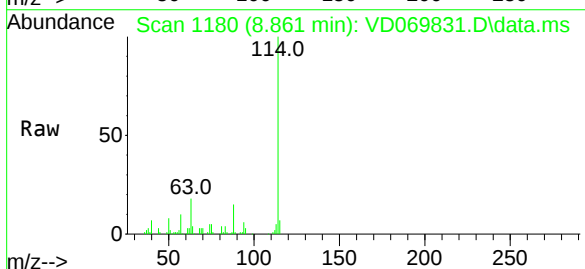
Instrument :
MSVOA_D
ClientSampleId :

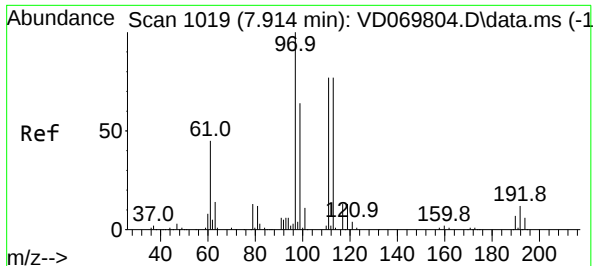
Tgt Ion: 65 Resp: 61954
Ion Ratio Lower Upper
65 100
67 57.4 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069831.D
Acq: 23 Jul 2021 16:19

Tgt Ion: 114 Resp: 126281
Ion Ratio Lower Upper
114 100
63 17.6 0.0 41.6
88 15.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 54.594 ug/l

RT: 7.908 min Scan# 1018

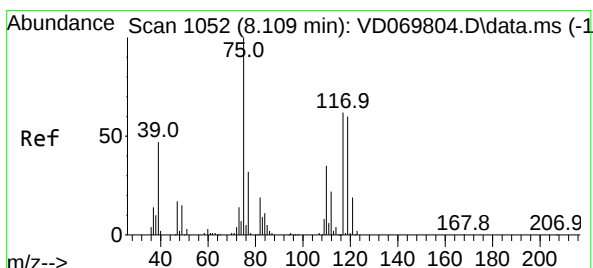
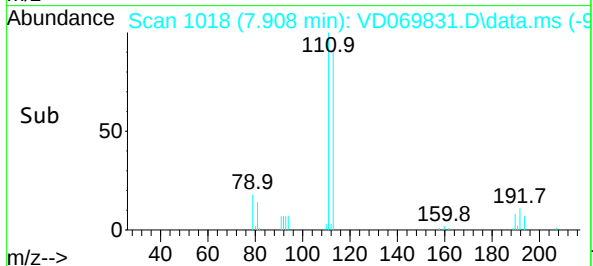
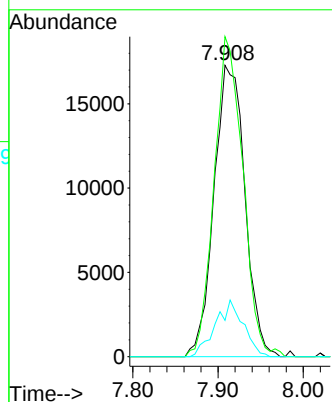
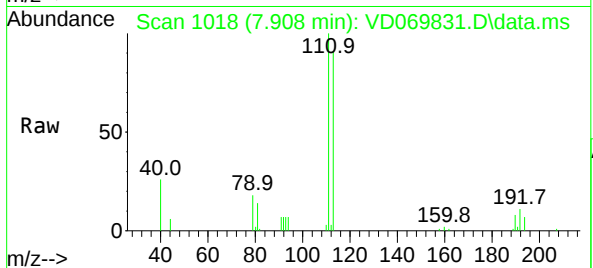
Delta R.T. -0.006 min

Lab File: VD069831.D

Acq: 23 Jul 2021 16:19

Tgt Ion:	113	Resp:	43461
Ion	Ratio	Lower	Upper
113	100		
111	102.2	80.5	120.7
192	17.6	12.6	19.0

Instrument :
MSVOA_D
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.789 ug/l

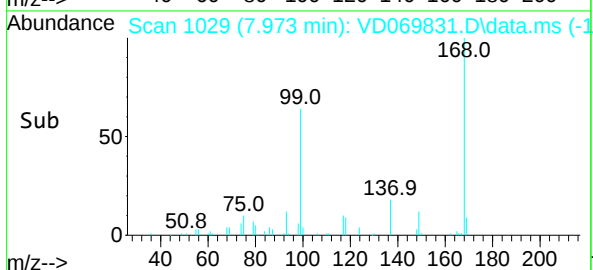
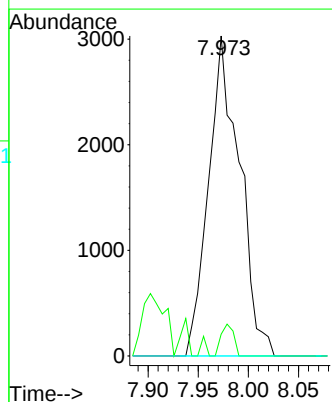
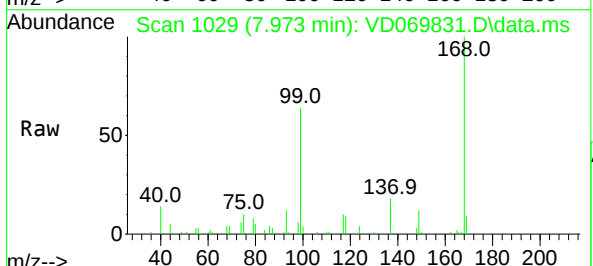
RT: 7.973 min Scan# 1029

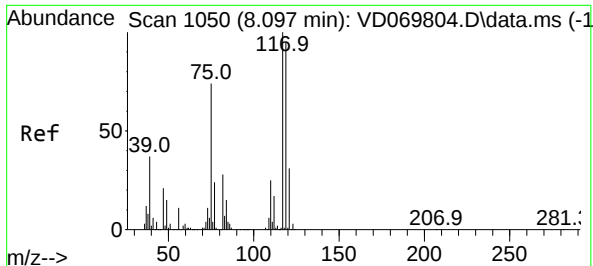
Delta R.T. -0.136 min

Lab File: VD069831.D

Acq: 23 Jul 2021 16:19

Tgt Ion:	75	Resp:	6526
Ion	Ratio	Lower	Upper
75	100		
110	4.0	16.9	50.7#
77	0.0	24.9	37.3#

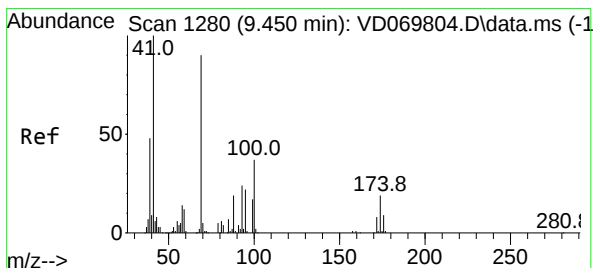
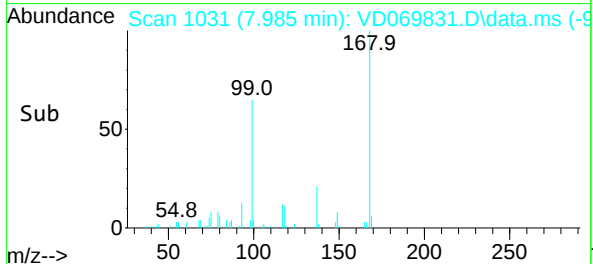
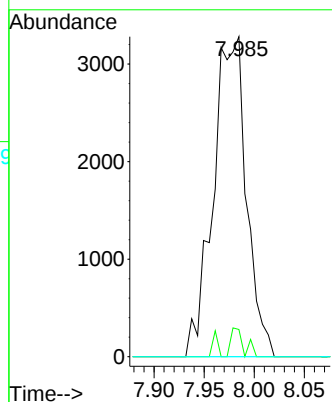
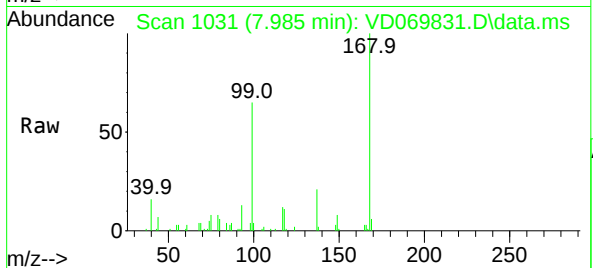




#38
Carbon Tetrachloride
Concen: 6.071 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD069831.D
Acq: 23 Jul 2021 16:19

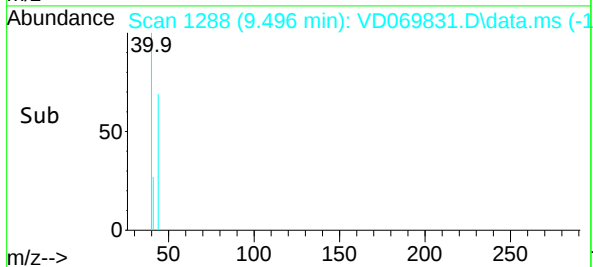
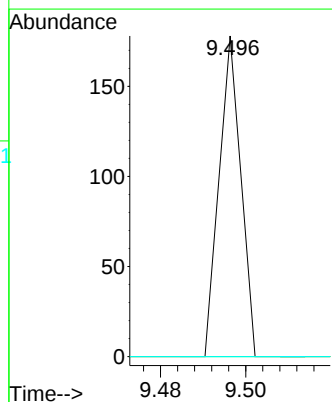
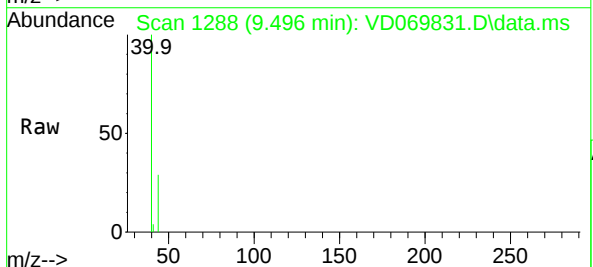
Instrument :
MSVOA_D
ClientSampleId :

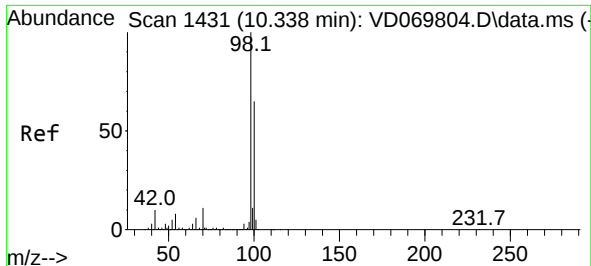
Tgt Ion:117 Resp: 7557
Ion Ratio Lower Upper
117 100
119 8.5 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.872 ug/l
RT: 9.496 min Scan# 1288
Delta R.T. 0.046 min
Lab File: VD069831.D
Acq: 23 Jul 2021 16:19

Tgt Ion: 41 Resp: 63
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#

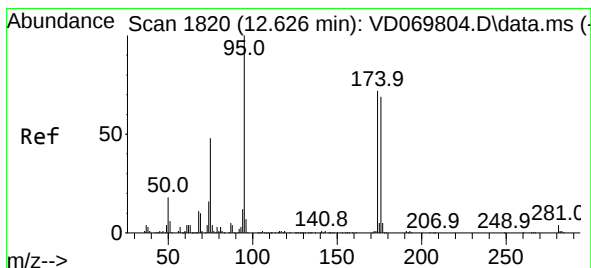
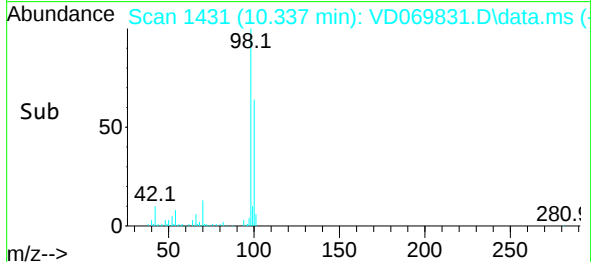
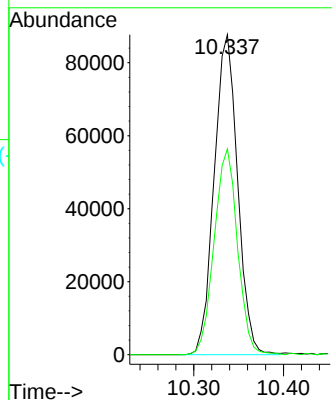
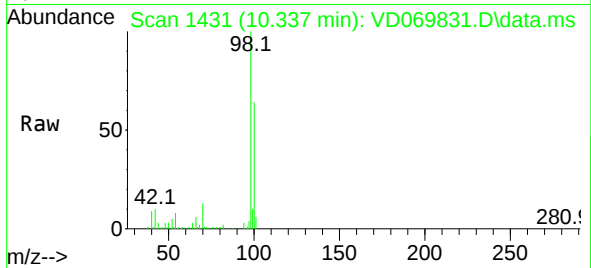




#50
Toluene-d8
Concen: 51.803 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069831.D
Acq: 23 Jul 2021 16:19

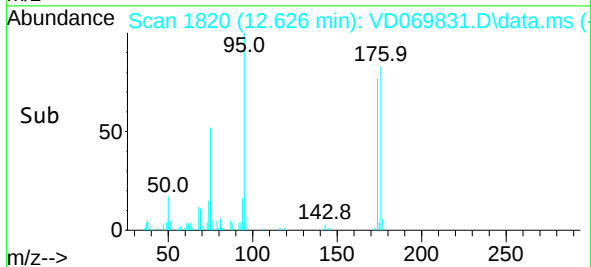
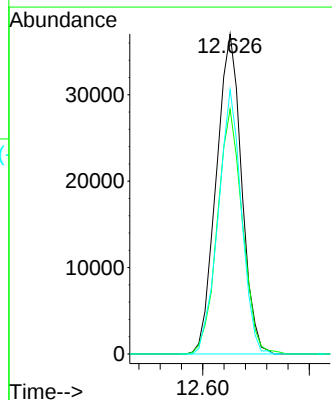
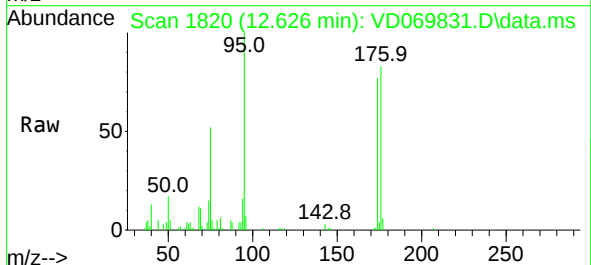
Instrument :
MSVOA_D
ClientSampled :

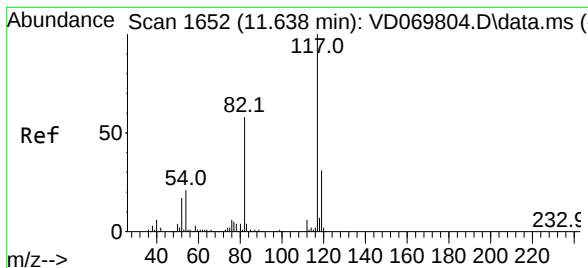
Tgt Ion: 98 Resp: 159015
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 59.475 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069831.D
Acq: 23 Jul 2021 16:19

Tgt Ion: 95 Resp: 61014
Ion Ratio Lower Upper
95 100
174 75.5 0.0 142.6
176 75.7 0.0 134.2

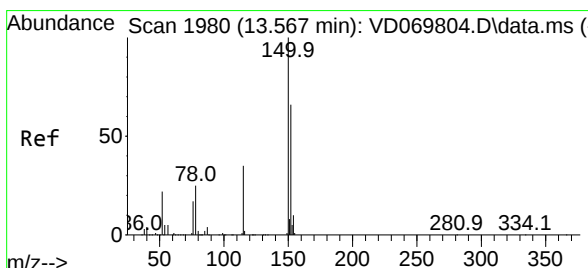
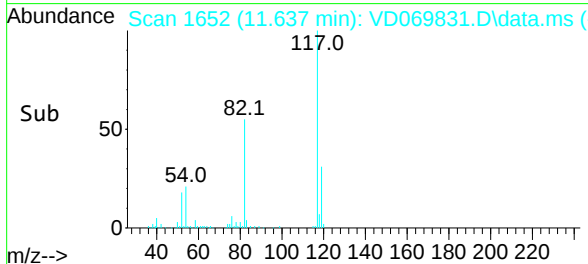
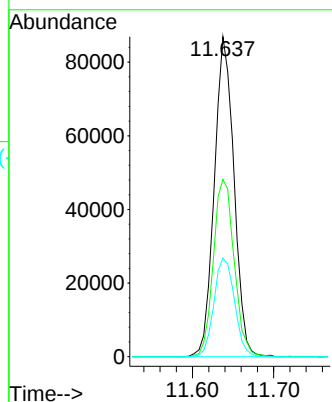
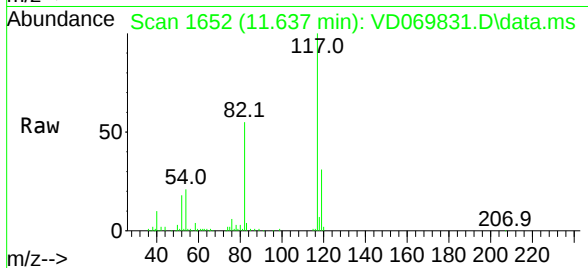




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069831.D
Acq: 23 Jul 2021 16:19

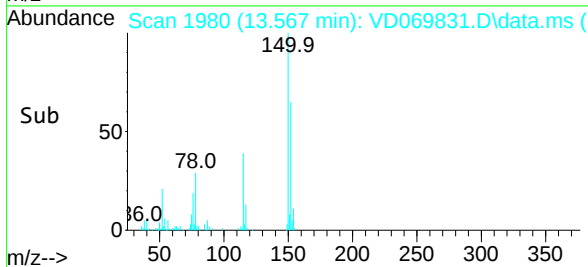
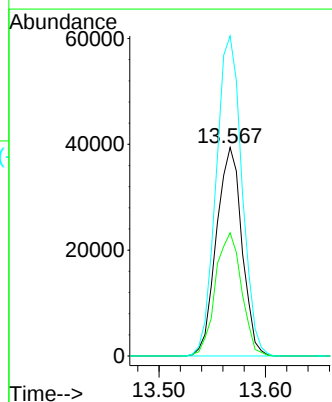
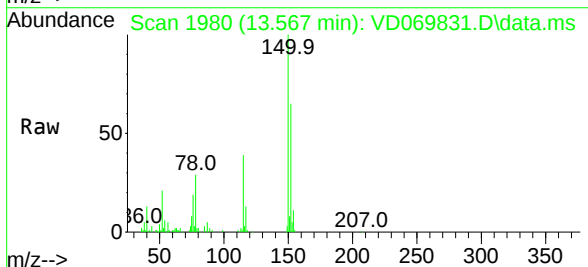
Instrument :
MSVOA_D
ClientSampleId :

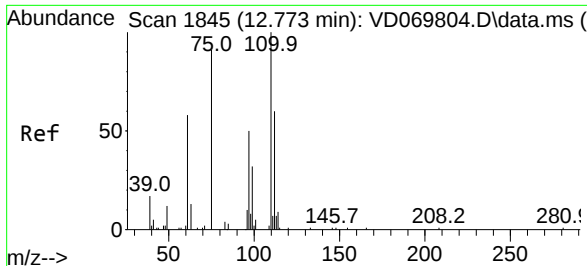
Tgt Ion:117 Resp: 146443
Ion Ratio Lower Upper
117 100
82 55.4 46.3 69.5
119 30.8 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069831.D
Acq: 23 Jul 2021 16:19

Tgt Ion:152 Resp: 65586
Ion Ratio Lower Upper
152 100
115 60.3 31.1 93.3
150 155.4 0.0 343.0

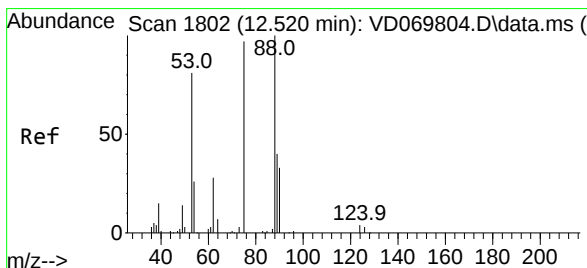
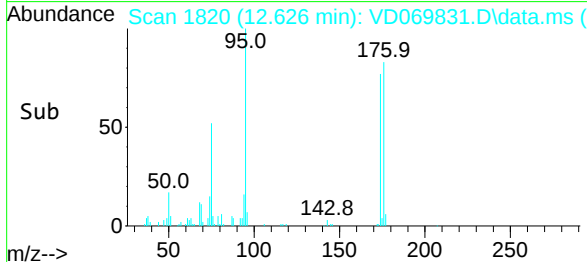
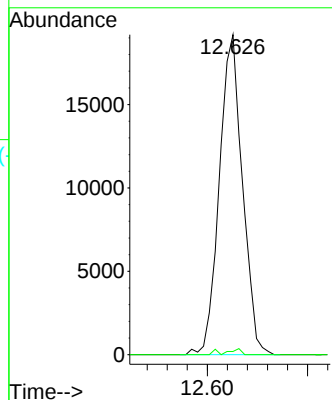
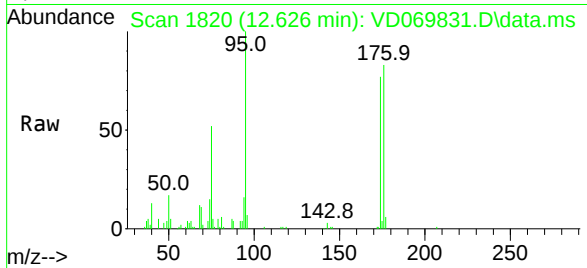




#76
1,2,3-Trichloropropane
Concen: 43.865 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069831.D
Acq: 23 Jul 2021 16:19

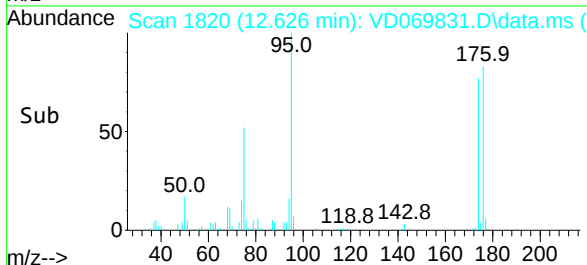
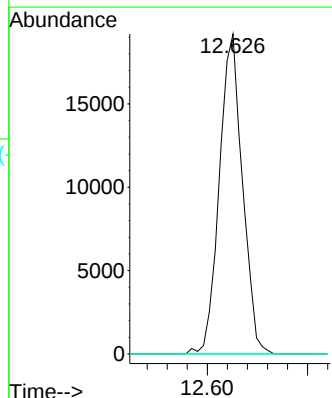
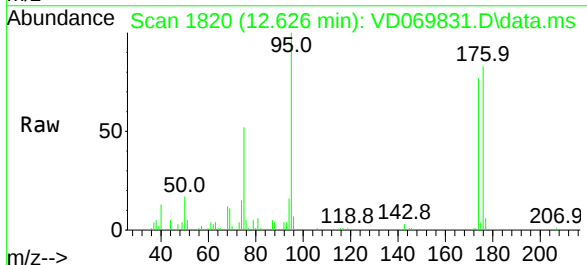
Instrument :
MSVOA_D
ClientSampled :

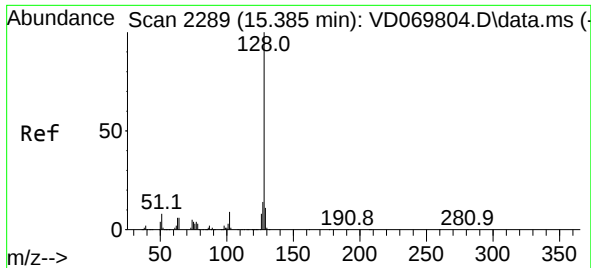
Tgt Ion: 75 Resp: 30580
Ion Ratio Lower Upper
75 100
77 0.9 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.076 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.105 min
Lab File: VD069831.D
Acq: 23 Jul 2021 16:19

Tgt Ion: 75 Resp: 30580
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.0 35.8 53.6#





#95
Naphthalene
Concen: 5.022 ug/l
RT: 15.378 min Scan# 2288
Delta R.T. -0.007 min
Lab File: VD069831.D
Acq: 23 Jul 2021 16:19

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 56
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

