

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100821\
 Data File : VD070633.D
 Acq On : 08 Oct 2021 12:31
 Operator : VA/SY
 Sample : M4061-05RE
 Misc : 5.65G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 11 02:21:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

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

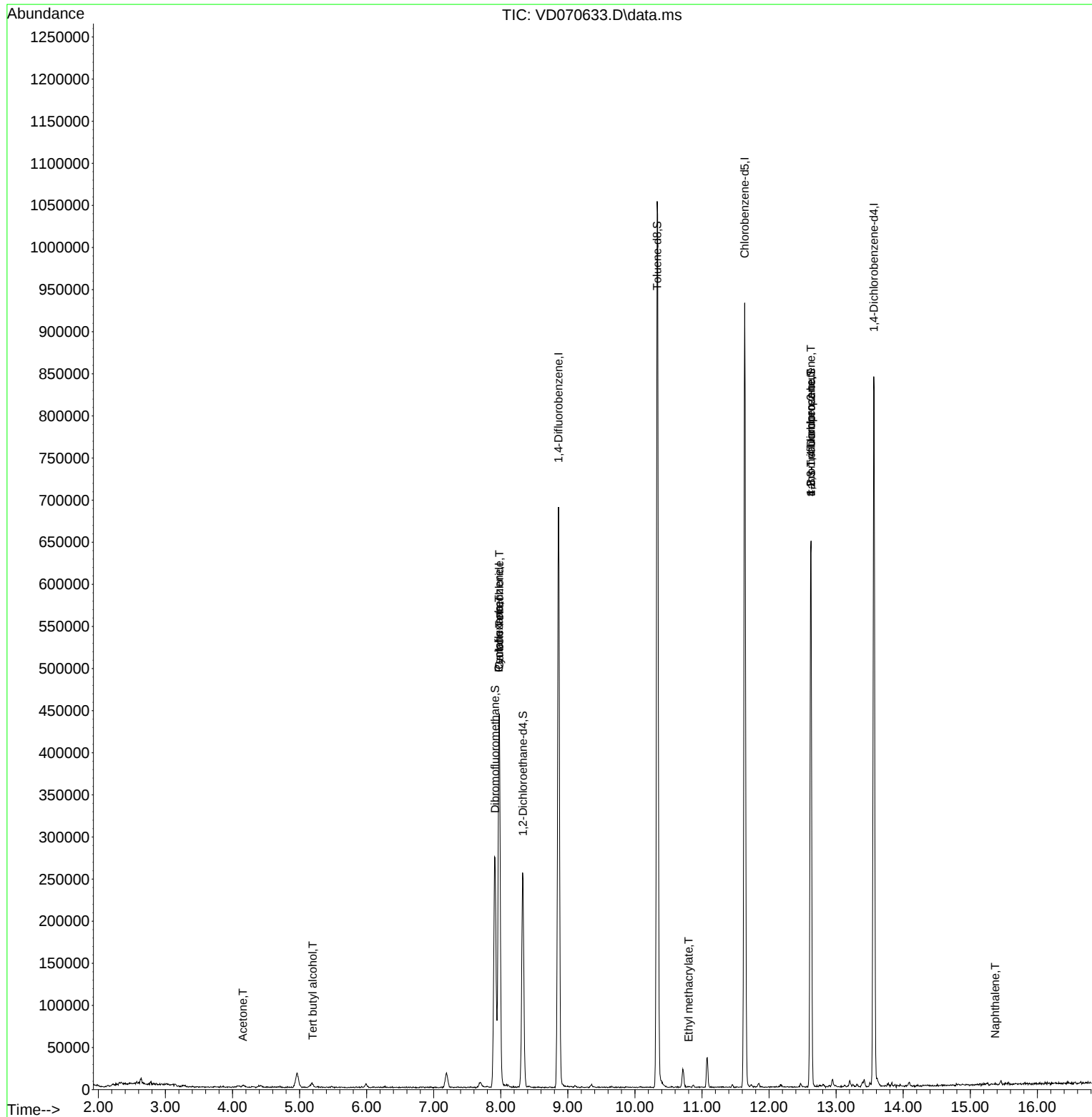
Internal Standards						
1) Pentafluorobenzene	7.973	168	316042	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	593458	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	566863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	236411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	197599	53.127	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 106.260%		
35) Dibromofluoromethane	7.914	113	204218	51.758	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 103.520%		
50) Toluene-d8	10.332	98	760472	50.417	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery	= 100.840%		
62) 4-Bromofluorobenzene	12.626	95	233027	46.223	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery	= 92.440%		
Target Compounds						Qvalue
5) Bromomethane	2.779	94	1974	Below Cal		95
11) Tert butyl alcohol	5.197	59	4269	23.170 ug/l #		83
16) Acetone	4.156	43	4931	7.807 ug/l #		87
20) Methylene Chloride	4.967	84	13956	Below Cal		87
31) Cyclohexane	7.973	56	7506	1.090 ug/l #		1
38) Carbon Tetrachloride	7.979	117	35436	5.372 ug/l #		16
56) Ethyl methacrylate	10.802	69	97	1.398 ug/l #		32
59) 2-Hexanone	10.973	43	77	Below Cal #		1
76) 1,2,3-Trichloropropane	12.626	75	110136	51.471 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.626	75	110136	114.274 ug/l #		17
95) Naphthalene	15.373	128	651	2.572 ug/l #		69

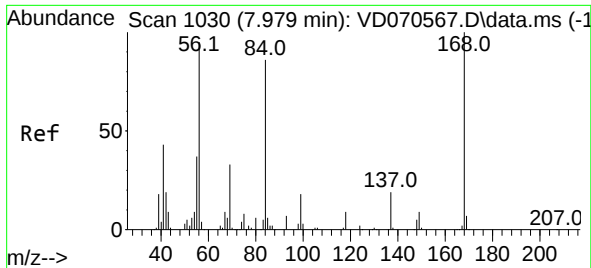
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD070633.D
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Quant Time: Oct 11 02:21:54 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 06 09:10:31 2021
Response via : Initial Calibration

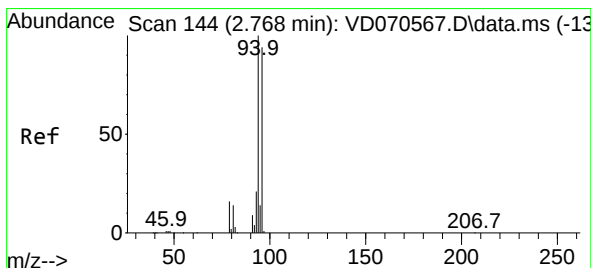
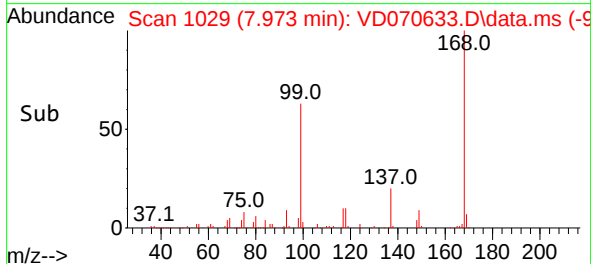
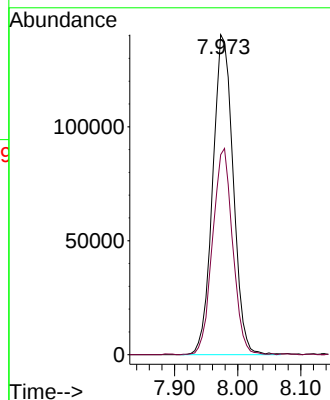
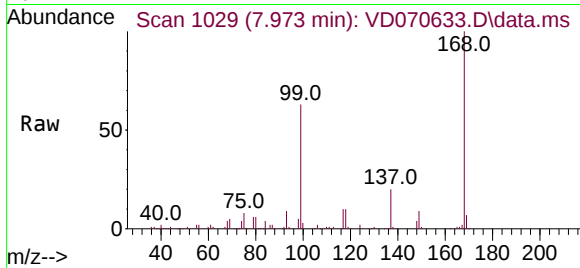




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070633.D
Acq: 08 Oct 2021 12:31

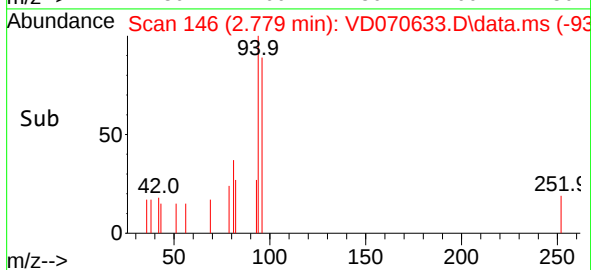
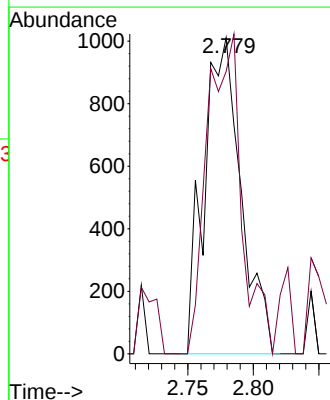
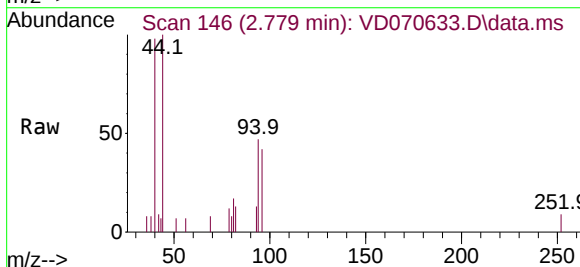
Instrument :
MSVOA_D
ClientSampleId :

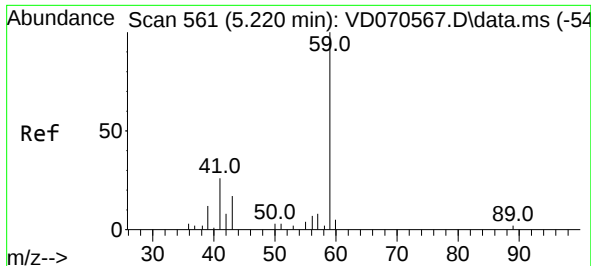
Tgt Ion:168 Resp: 316042
Ion Ratio Lower Upper
168 100
99 62.5 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD070633.D
Acq: 08 Oct 2021 12:31

Tgt Ion: 94 Resp: 1974
Ion Ratio Lower Upper
94 100
96 89.3 75.5 113.3

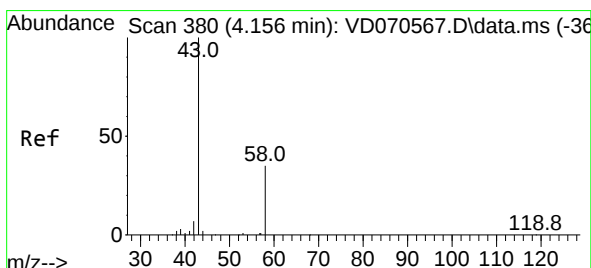
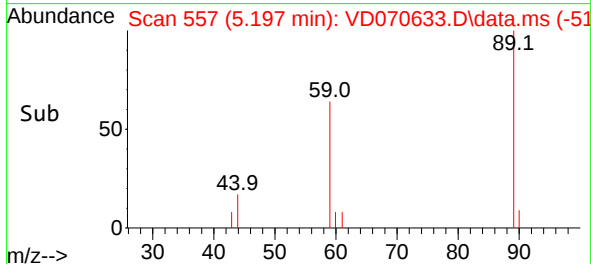
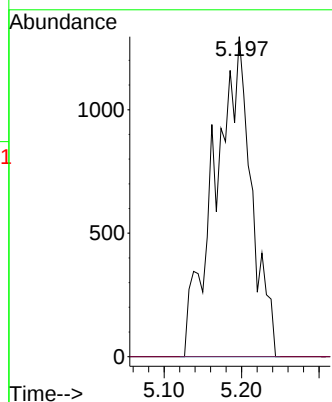
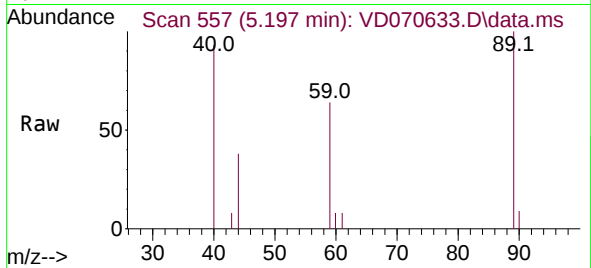




#11
Tert butyl alcohol
Concen: 23.170 ug/l
RT: 5.197 min Scan# 557
Delta R.T. -0.023 min
Lab File: VD070633.D
Acq: 08 Oct 2021 12:31

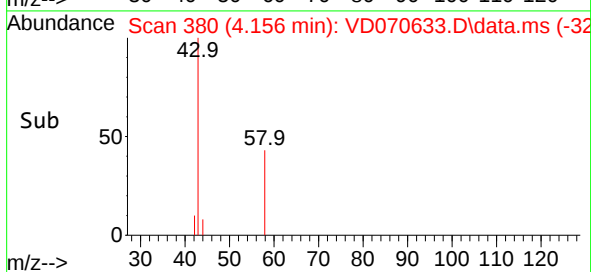
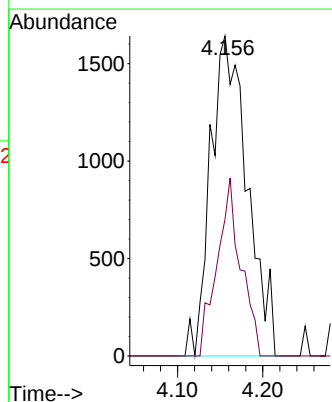
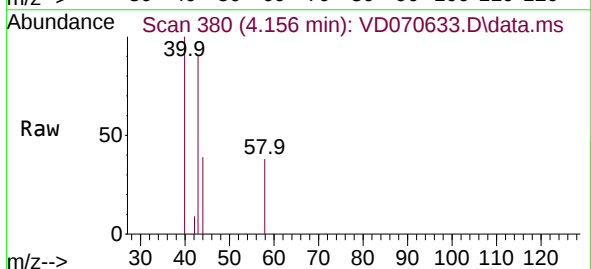
Instrument :
MSVOA_D
ClientSampleId :

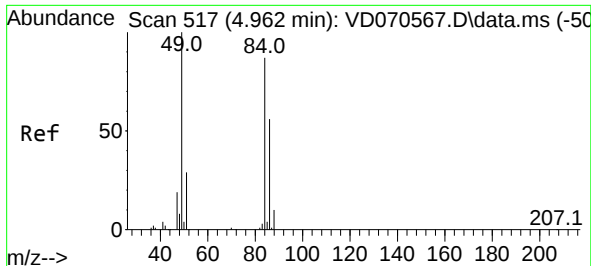
Tgt Ion: 59 Resp: 4269
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#



#16
Acetone
Concen: 7.807 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070633.D
Acq: 08 Oct 2021 12:31

Tgt Ion: 43 Resp: 4931
Ion Ratio Lower Upper
43 100
58 42.7 28.2 42.2#

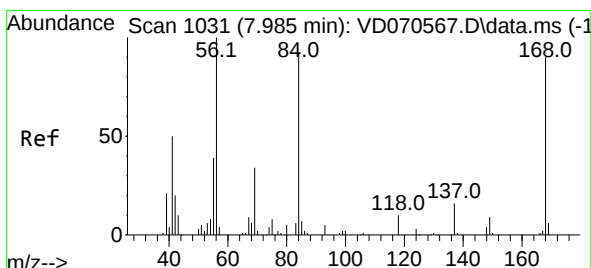
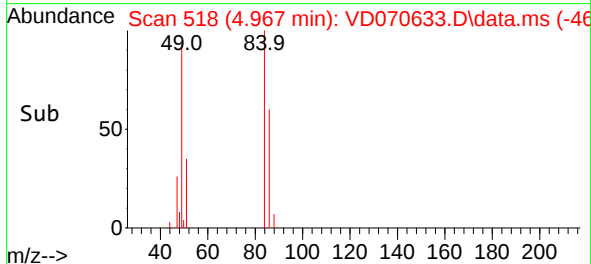
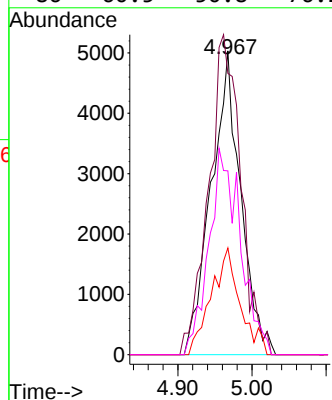
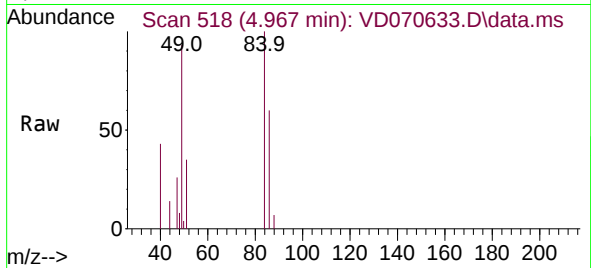




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070633.D
Acq: 08 Oct 2021 12:31

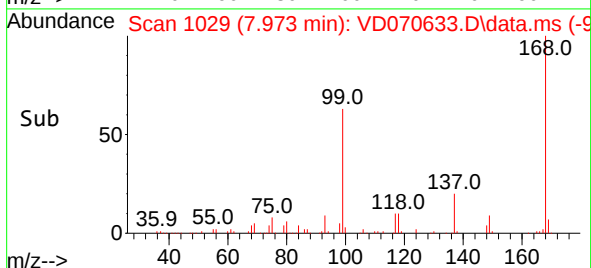
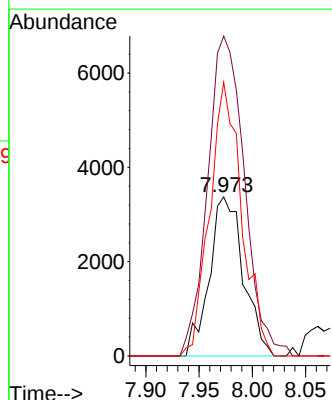
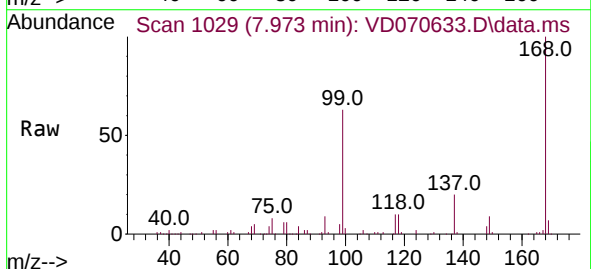
Instrument :
MSVOA_D
ClientSampleId :

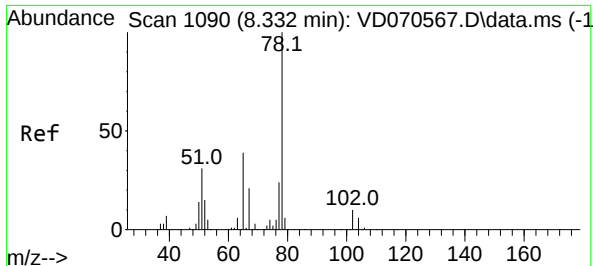
Tgt Ion:	84	Resp:	13956
Ion	Ratio	Lower	Upper
84	100		
49	92.6	91.4	137.2
51	35.1	26.7	40.1
86	60.5	50.8	76.2



#31
Cyclohexane
Concen: 1.090 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070633.D
Acq: 08 Oct 2021 12:31

Tgt Ion:	56	Resp:	7506
Ion	Ratio	Lower	Upper
56	100		
69	201.2	27.4	41.2#
84	172.0	73.6	110.4#

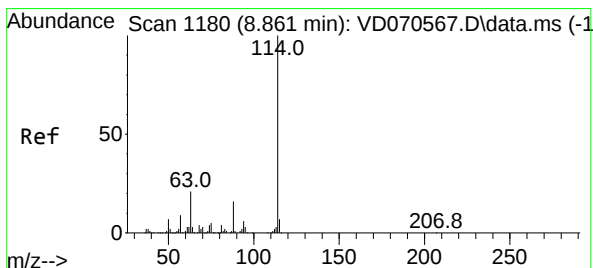
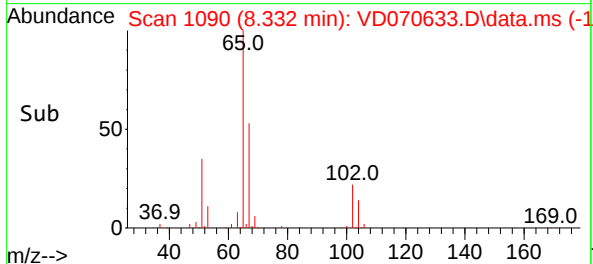
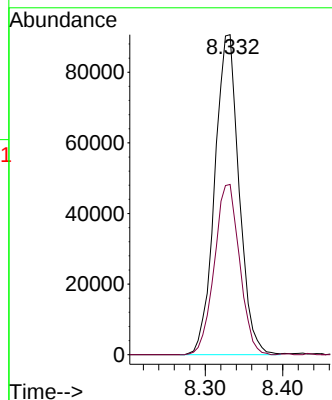
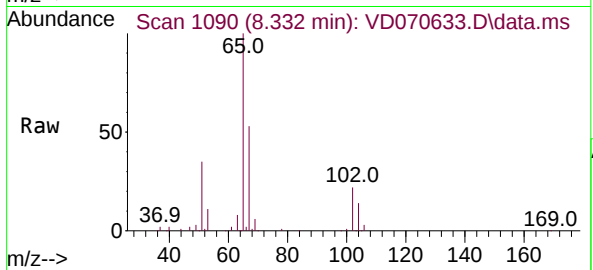




#33
1,2-Dichloroethane-d4
Concen: 53.127 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD070633.D
Acq: 08 Oct 2021 12:31

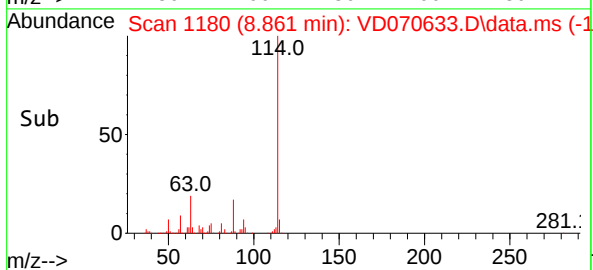
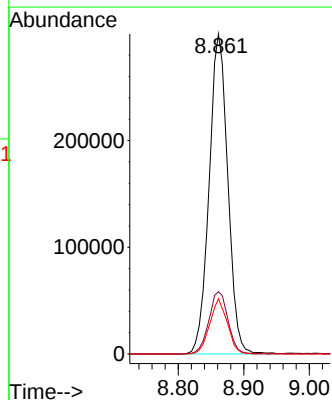
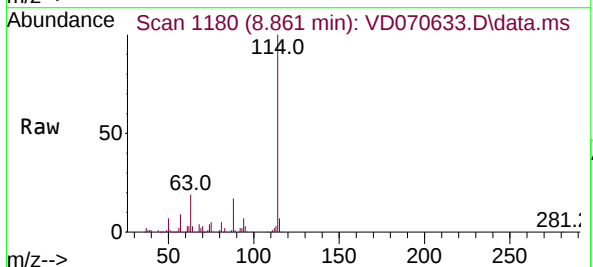
Instrument :
MSVOA_D
ClientSampleId :

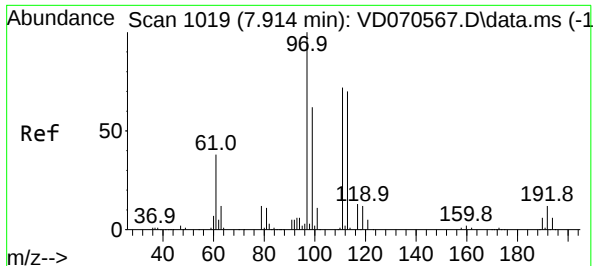
Tgt Ion: 65 Resp: 197599
Ion Ratio Lower Upper
65 100
67 55.1 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070633.D
Acq: 08 Oct 2021 12:31

Tgt Ion:114 Resp: 593458
Ion Ratio Lower Upper
114 100
63 19.5 0.0 41.8
88 17.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.758 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070633.D

Acq: 08 Oct 2021 12:31

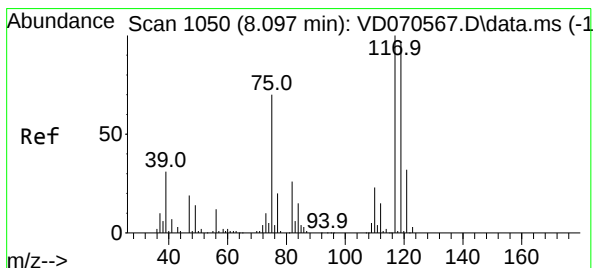
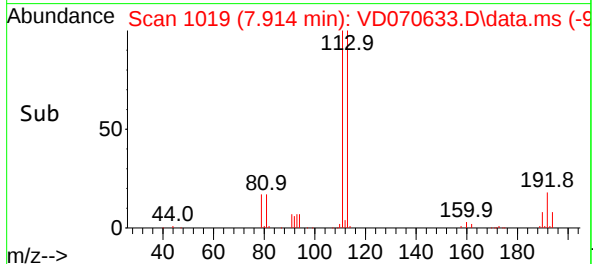
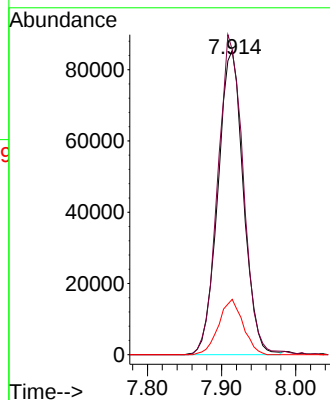
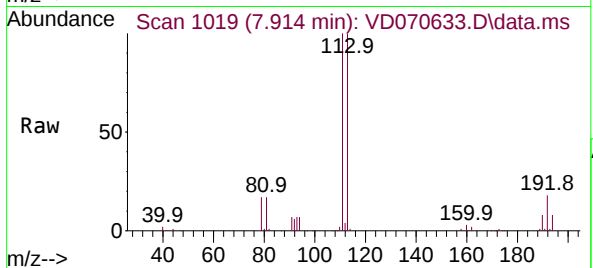
Tgt Ion:113 Resp: 204218

Ion Ratio Lower Upper

113 100

111 105.2 83.1 124.7

192 17.4 12.7 19.1



#38

Carbon Tetrachloride

Concen: 5.372 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD070633.D

Acq: 08 Oct 2021 12:31

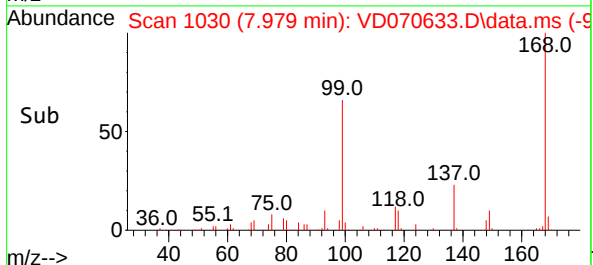
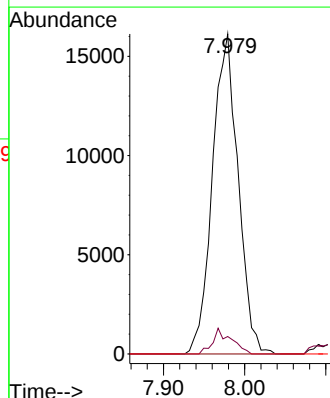
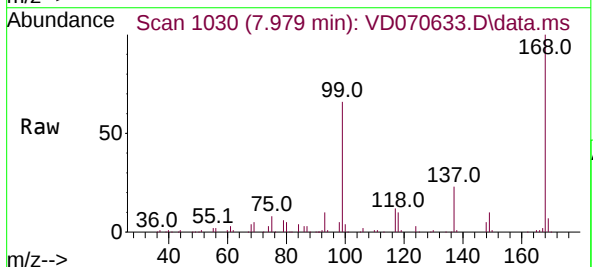
Tgt Ion:117 Resp: 35436

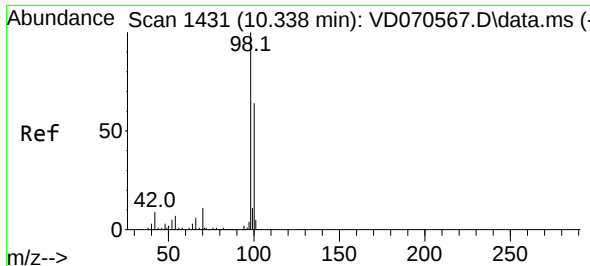
Ion Ratio Lower Upper

117 100

119 5.5 77.4 116.0#

121 0.0 25.4 38.0#

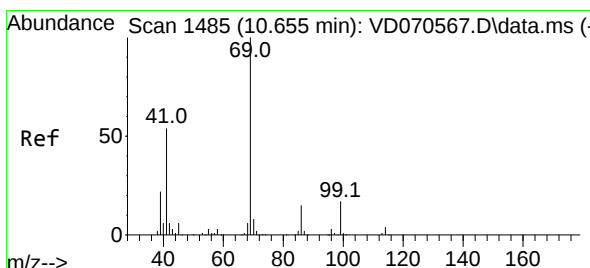
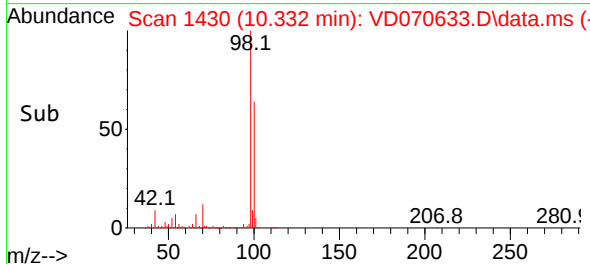
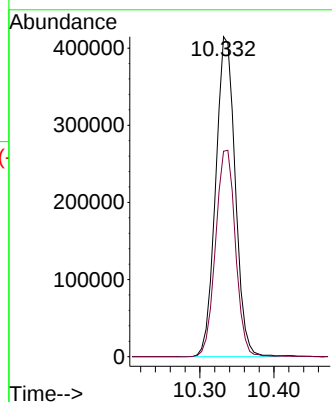
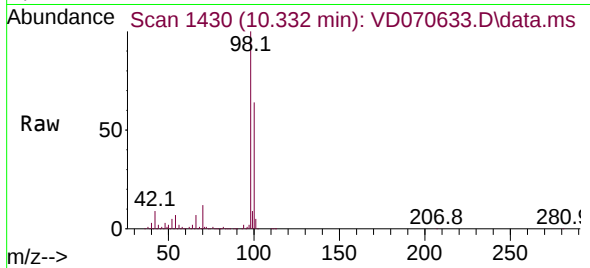




#50
Toluene-d8
Concen: 50.417 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070633.D
Acq: 08 Oct 2021 12:31

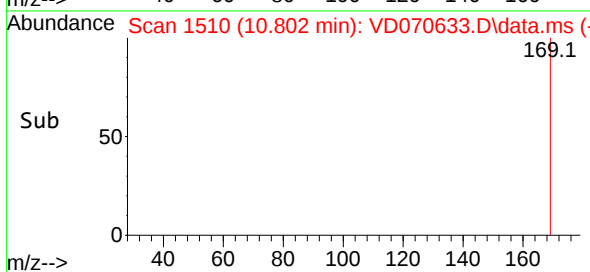
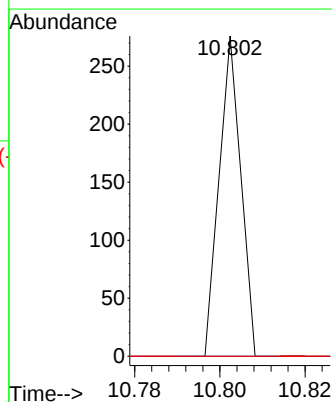
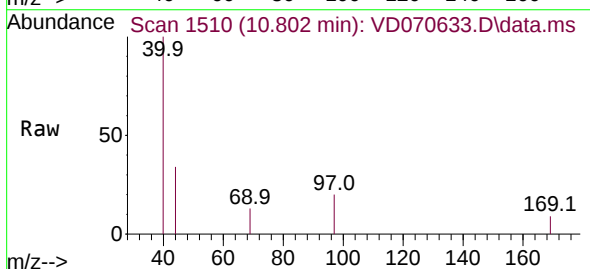
Instrument :
MSVOA_D
ClientSampleId :

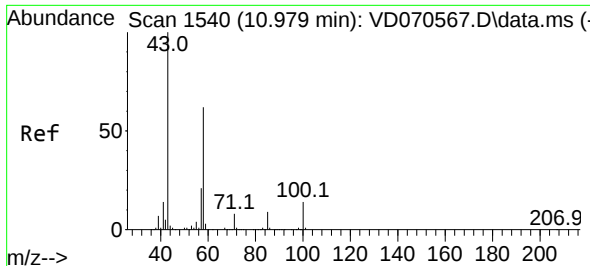
Tgt Ion: 98 Resp: 760472
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.4



#56
Ethyl methacrylate
Concen: 1.398 ug/l
RT: 10.802 min Scan# 1510
Delta R.T. 0.147 min
Lab File: VD070633.D
Acq: 08 Oct 2021 12:31

Tgt Ion: 69 Resp: 97
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 0.0 19.5 29.3#

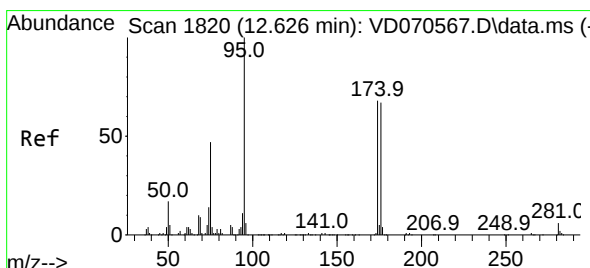
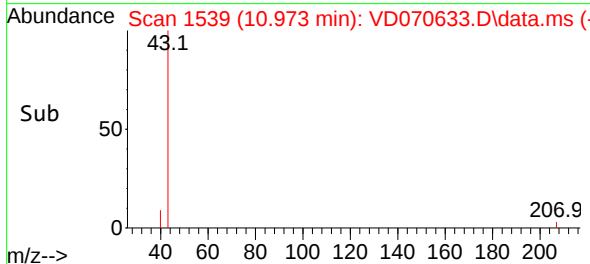
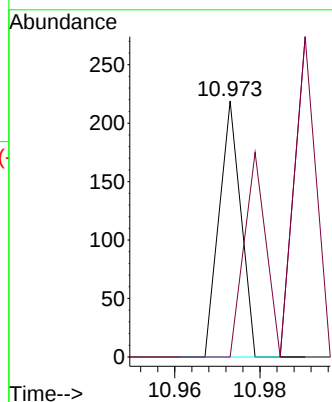
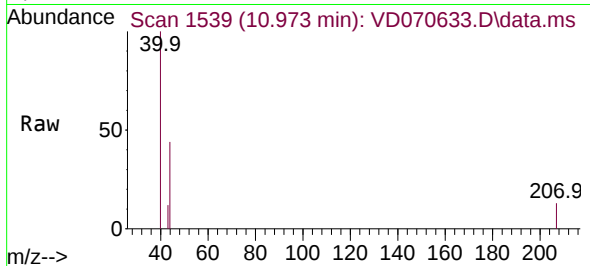




#59
2-Hexanone
Concen: Below Cal
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD070633.D
Acq: 08 Oct 2021 12:31

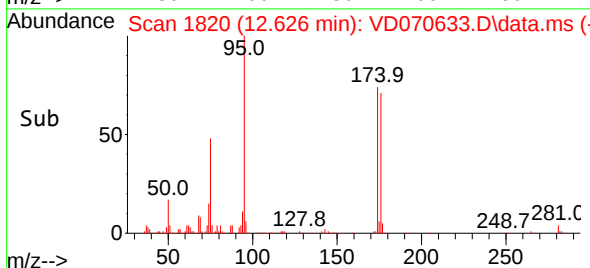
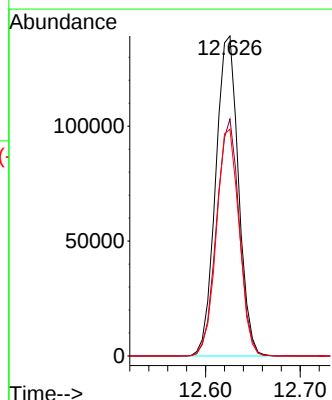
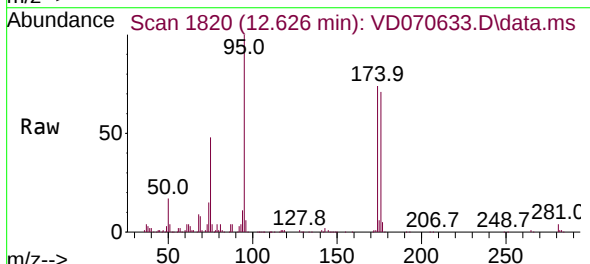
Instrument :
MSVOA_D
ClientSampled :

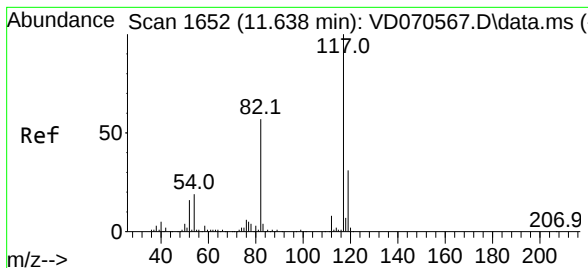
Tgt Ion: 43 Resp: 77
Ion Ratio Lower Upper
43 100
58 205.2 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 46.223 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070633.D
Acq: 08 Oct 2021 12:31

Tgt Ion: 95 Resp: 233027
Ion Ratio Lower Upper
95 100
174 73.6 0.0 138.0
176 70.7 0.0 135.6

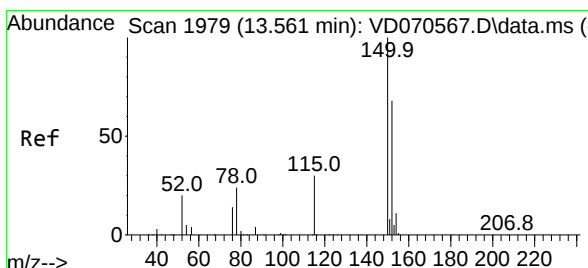
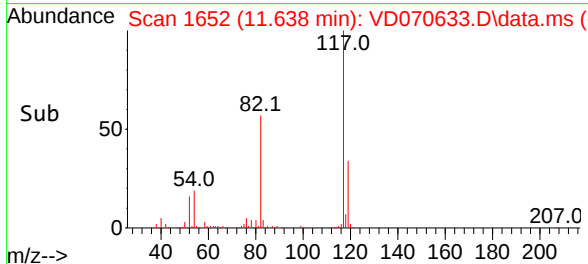
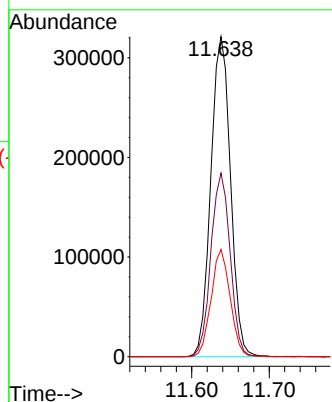
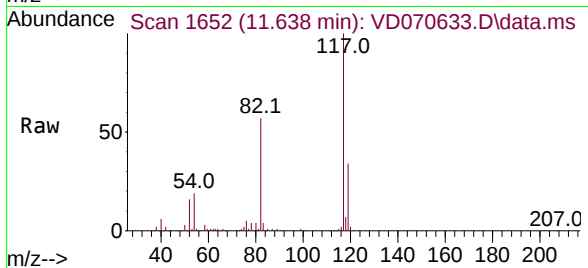




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070633.D
Acq: 08 Oct 2021 12:31

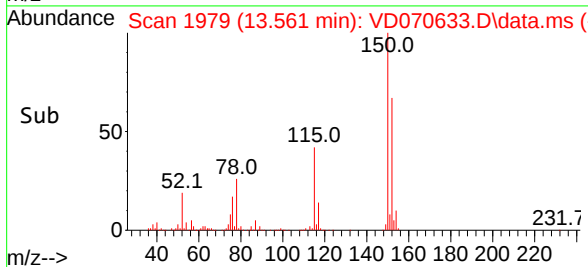
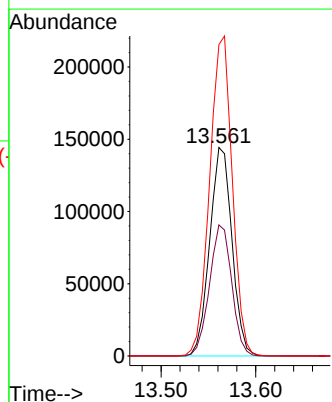
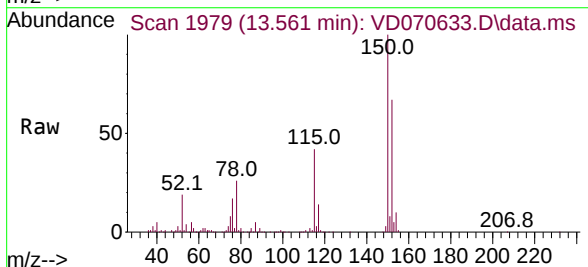
Instrument :
MSVOA_D
ClientSampleId :

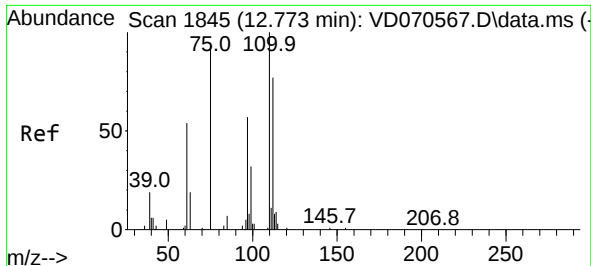
Tgt Ion:117 Resp: 566863
Ion Ratio Lower Upper
117 100
82 57.3 45.4 68.2
119 33.5 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070633.D
Acq: 08 Oct 2021 12:31

Tgt Ion:152 Resp: 236411
Ion Ratio Lower Upper
152 100
115 62.5 31.9 95.7
150 155.3 0.0 350.0

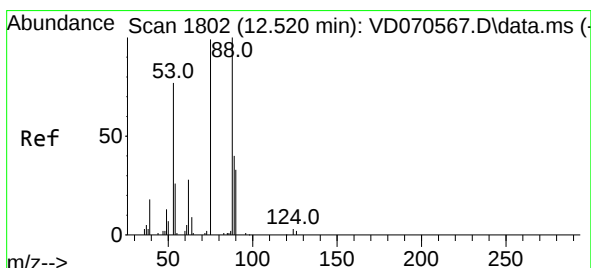
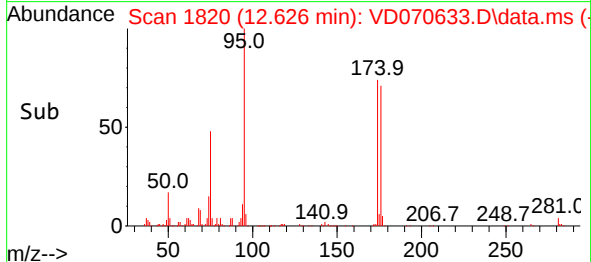
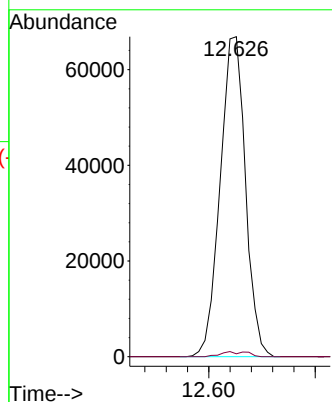
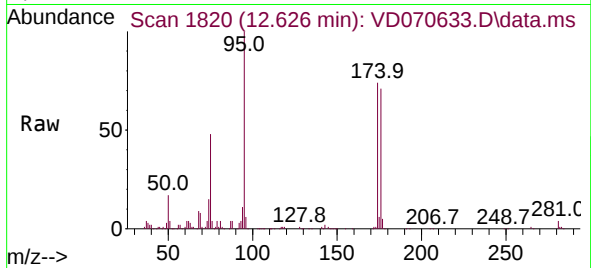




#76
1,2,3-Trichloropropane
Concen: 51.471 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070633.D
Acq: 08 Oct 2021 12:31

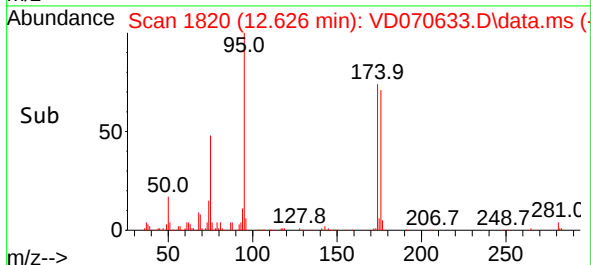
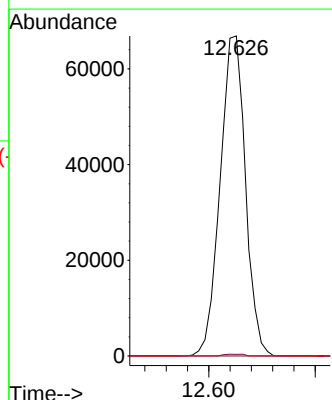
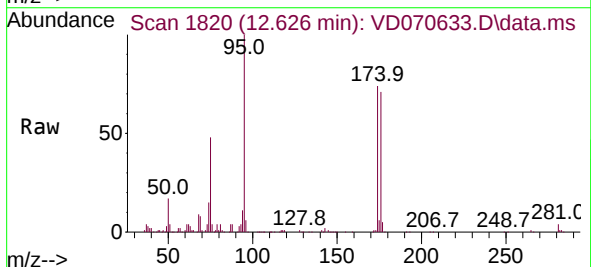
Instrument :
MSVOA_D
ClientSampleId :

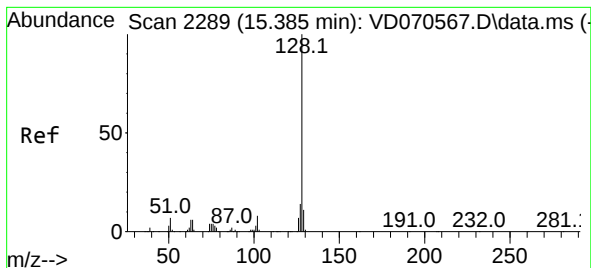
Tgt Ion: 75 Resp: 110136
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.274 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070633.D
Acq: 08 Oct 2021 12:31

Tgt Ion: 75 Resp: 110136
Ion Ratio Lower Upper
75 100
53 0.4 64.5 96.7#
89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 2.572 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.012 min
Lab File: VD070633.D
Acq: 08 Oct 2021 12:31

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 651
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

