

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102121\
 Data File : VD070799.D
 Acq On : 21 Oct 2021 14:21
 Operator : VA/SY
 Sample : M4285-10RE
 Misc : 6.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 22 06:14:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

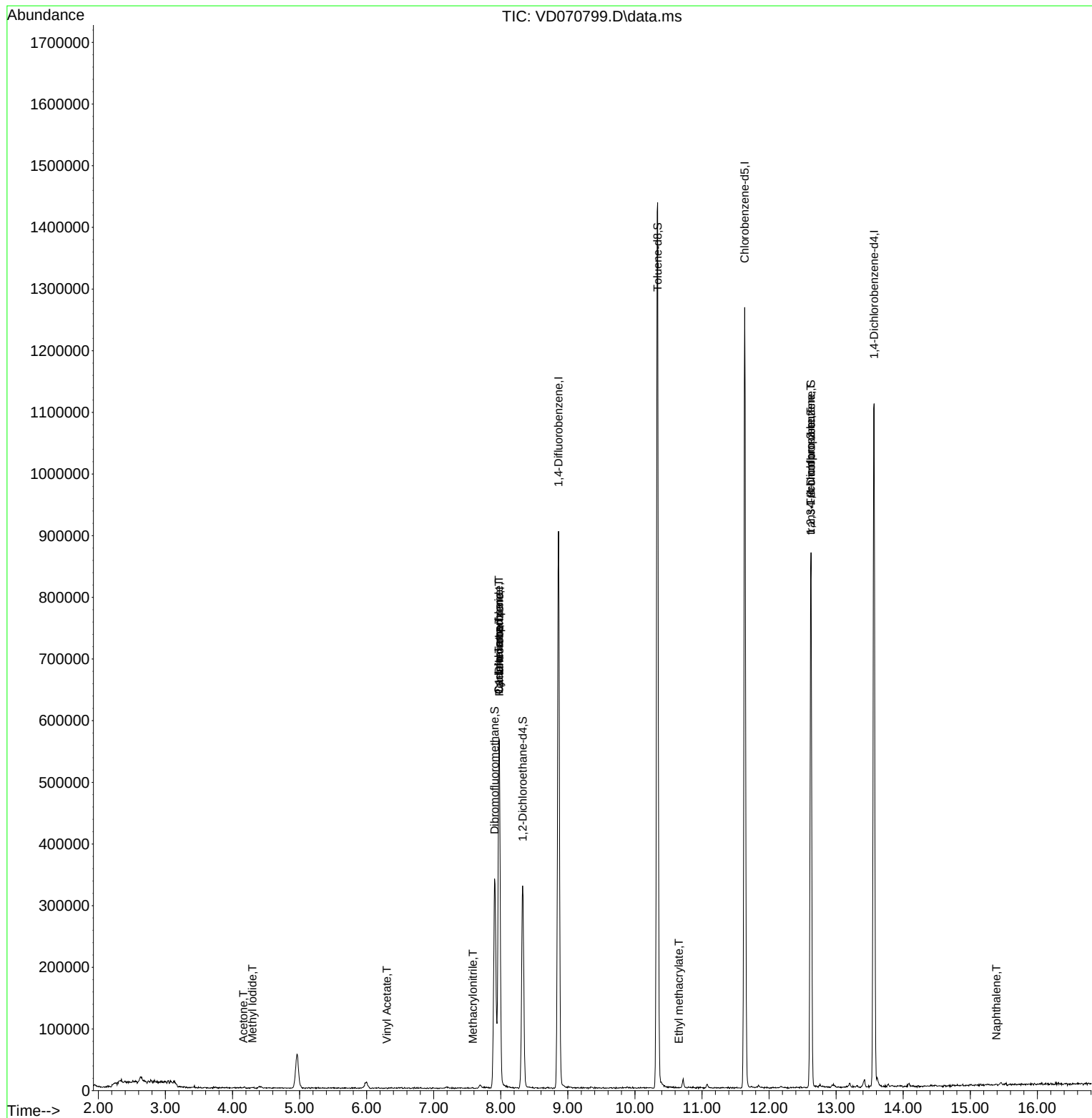
Internal Standards						
1) Pentafluorobenzene	7.979	168	397233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	724334	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	697311	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	283992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	264121	56.137	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.280%	
35) Dibromofluoromethane	7.908	113	244697	52.760	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.520%	
50) Toluene-d8	10.338	98	954812	53.705	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.400%	
62) 4-Bromofluorobenzene	12.626	95	295096	48.204	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 96.400%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	470	3.408	ug/l #	73
16) Acetone	4.161	43	1290	1.137	ug/l #	40
23) Vinyl Acetate	6.303	43	57	16.335	ug/l #	69
31) Cyclohexane	7.973	56	11402	1.198	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	37829	4.688	ug/l #	49
38) Carbon Tetrachloride	7.973	117	44011	5.695	ug/l #	15
41) Methacrylonitrile	7.585	41	467	2.156	ug/l #	16
56) Ethyl methacrylate	10.655	69	297	4.205	ug/l #	32
76) 1,2,3-Trichloropropane	12.620	75	146798	59.830	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	146798	131.047	ug/l #	17
95) Naphthalene	15.390	128	496	4.841	ug/l #	69

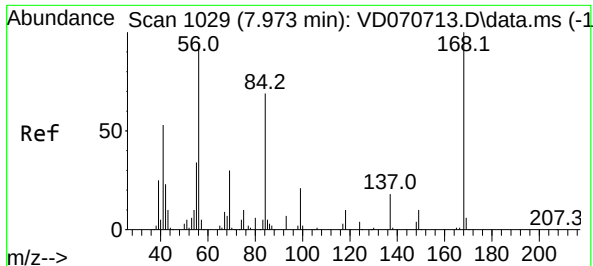
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 18 08:32:03 2021
Response via : Initial Calibration

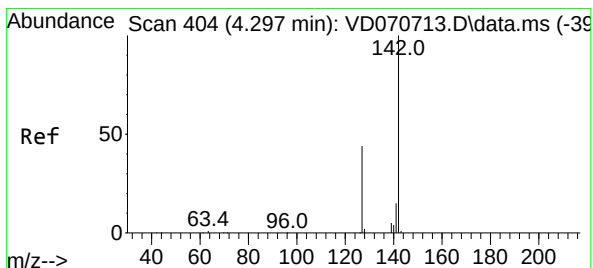
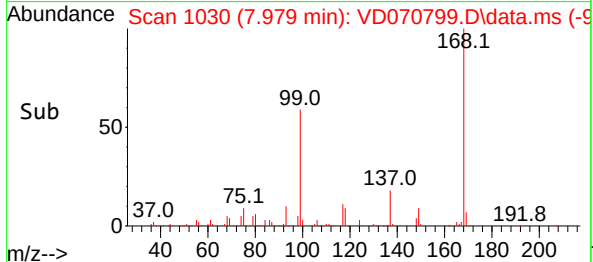
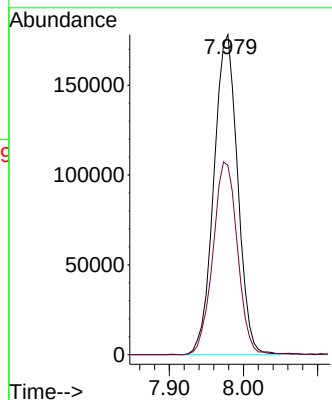
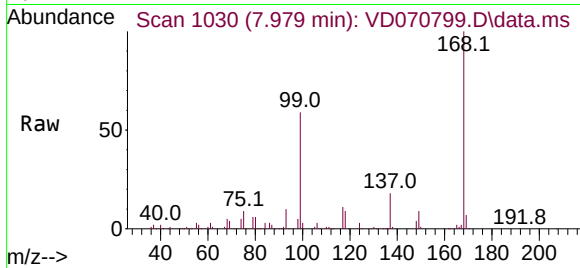




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070799.D
Acq: 21 Oct 2021 14:21

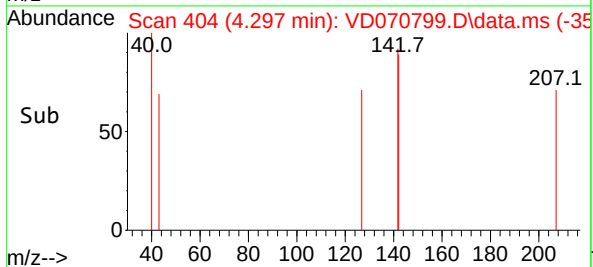
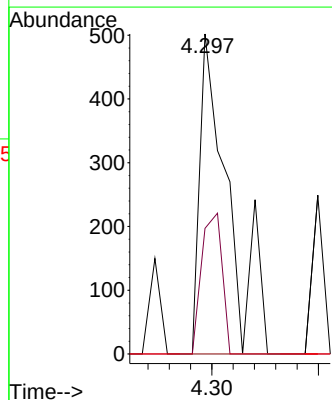
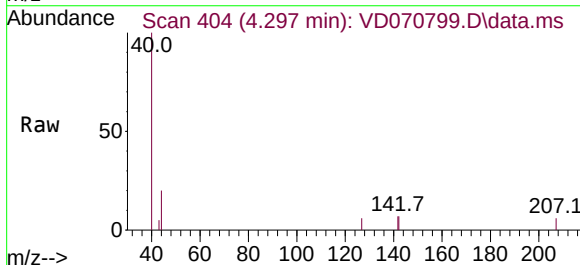
Instrument :
MSVOA_D
ClientSampled :

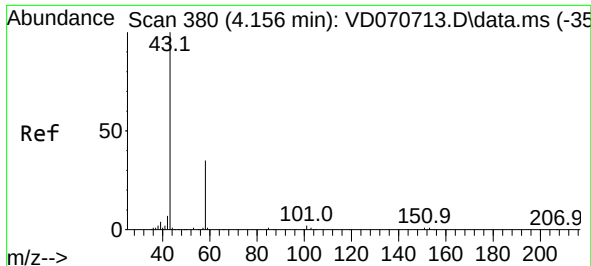
Tgt Ion:168 Resp: 397233
Ion Ratio Lower Upper
168 100
99 59.2 51.4 77.0



#10
Methyl Iodide
Concen: 3.408 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070799.D
Acq: 21 Oct 2021 14:21

Tgt Ion:142 Resp: 470
Ion Ratio Lower Upper
142 100
127 31.3 37.5 56.3#
141 0.0 12.1 18.1#

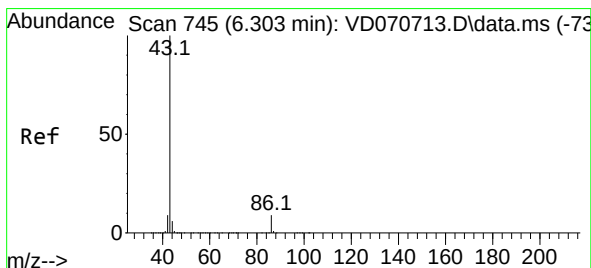
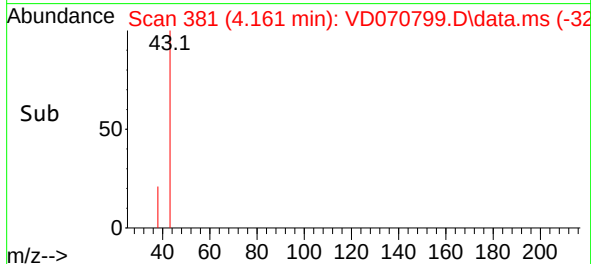
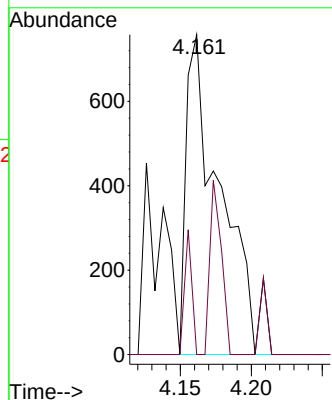
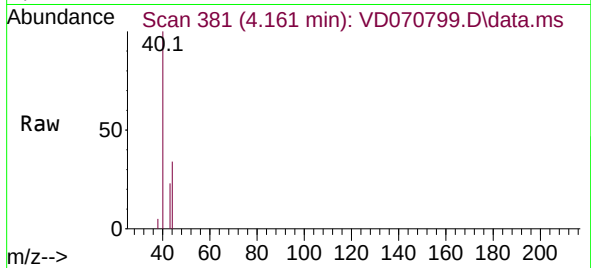




#16
Acetone
Concen: 1.137 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070799.D
Acq: 21 Oct 2021 14:21

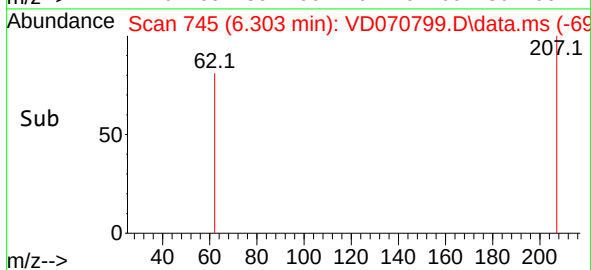
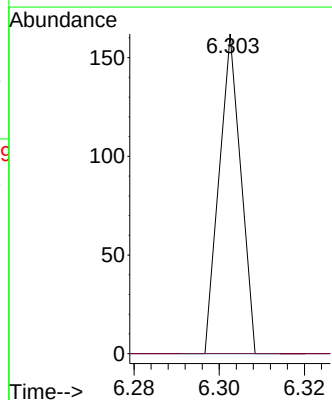
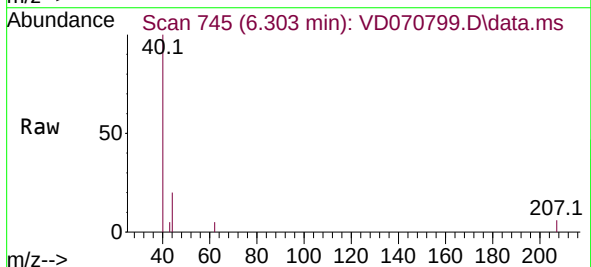
Instrument :
MSVOA_D
ClientSampleId :

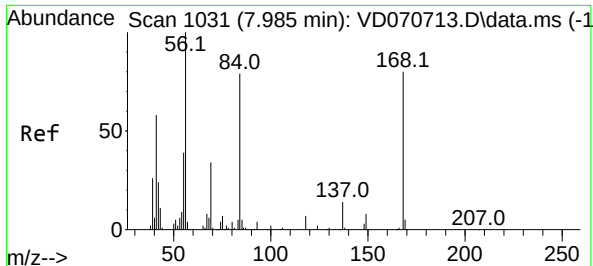
Tgt Ion: 43 Resp: 1290
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#



#23
Vinyl Acetate
Concen: 16.335 ug/l
RT: 6.303 min Scan# 745
Delta R.T. -0.000 min
Lab File: VD070799.D
Acq: 21 Oct 2021 14:21

Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
86 0.0 9.8 14.6#





#31

Cyclohexane

Concen: 1.198 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD070799.D

Acq: 21 Oct 2021 14:21

Tgt Ion: 56 Resp: 11402

Ion Ratio Lower Upper

56 100

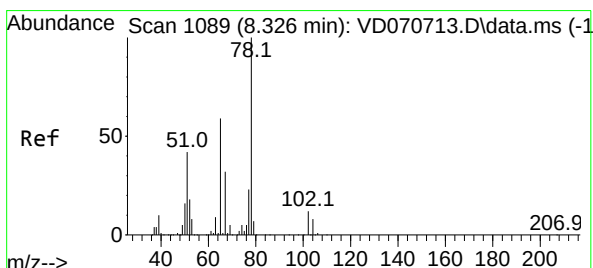
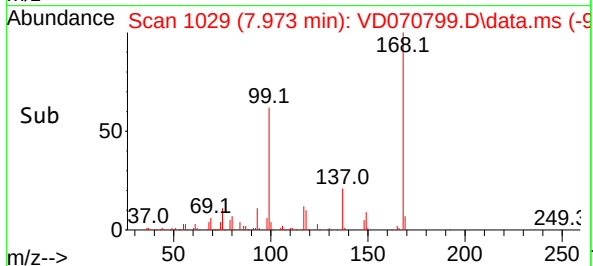
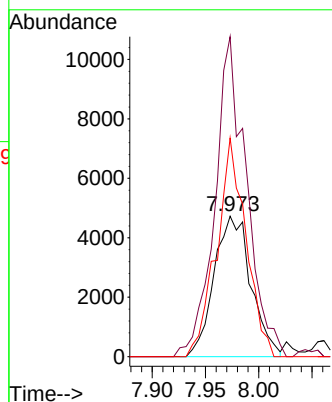
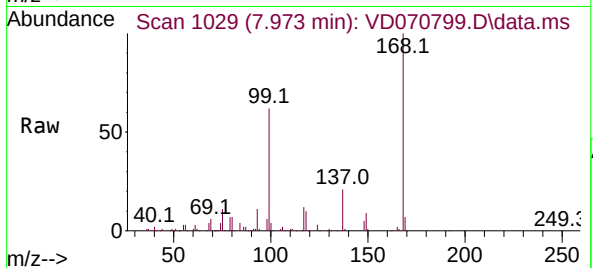
69 221.4 27.4 41.2#

84 155.7 73.6 110.4#

Instrument :

MSVOA_D

ClientSampleId :



#33

1,2-Dichloroethane-d4

Concen: 56.137 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD070799.D

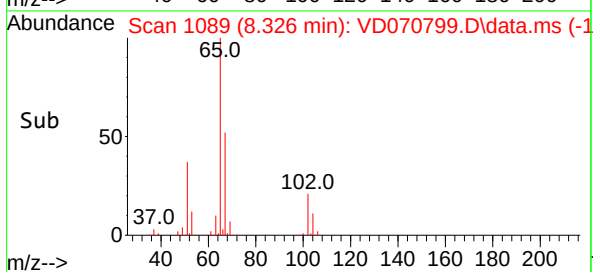
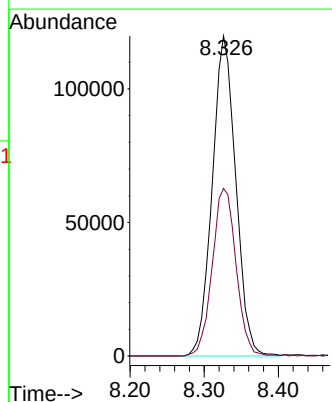
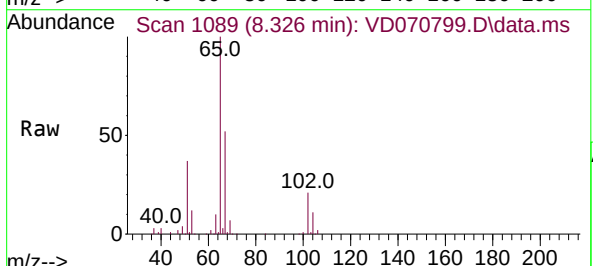
Acq: 21 Oct 2021 14:21

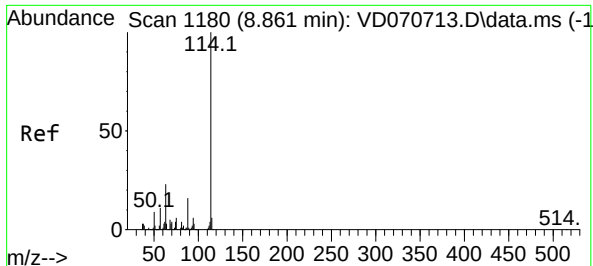
Tgt Ion: 65 Resp: 264121

Ion Ratio Lower Upper

65 100

67 53.0 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: VD070799.D

Acq: 21 Oct 2021 14:21

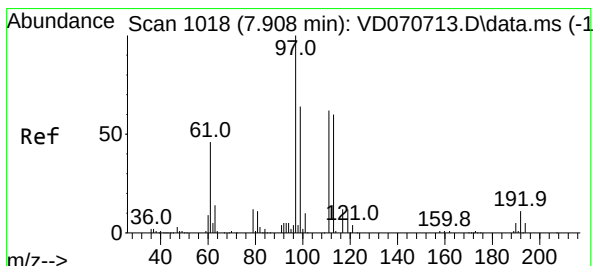
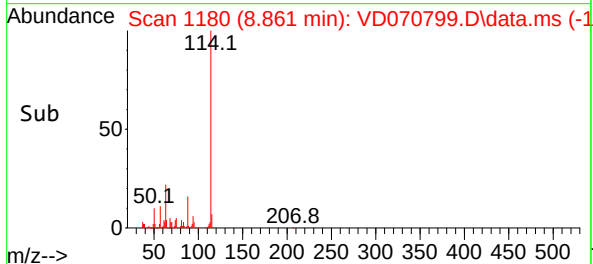
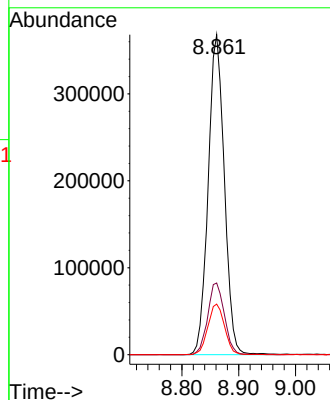
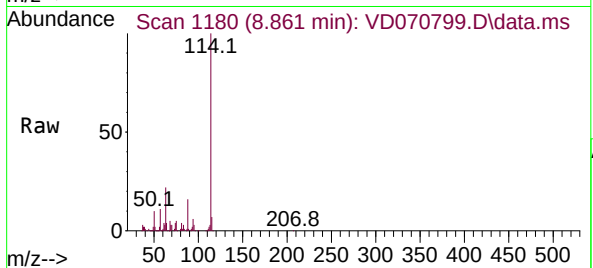
Tgt Ion:114 Resp: 724334

Ion Ratio Lower Upper

114 100

63 22.4 0.0 41.8

88 15.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.760 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD070799.D

Acq: 21 Oct 2021 14:21

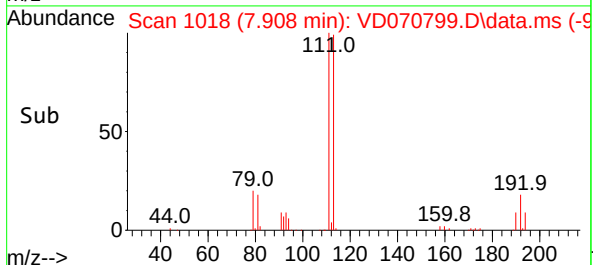
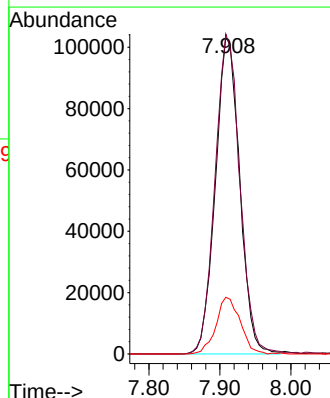
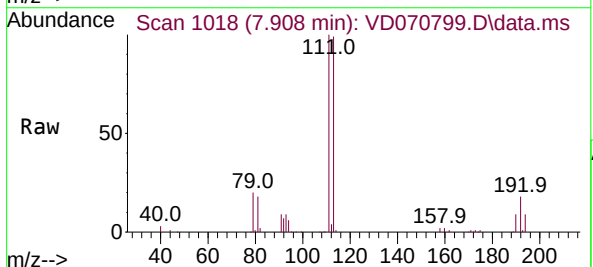
Tgt Ion:113 Resp: 244697

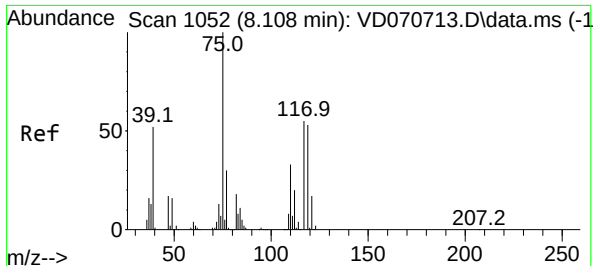
Ion Ratio Lower Upper

113 100

111 103.3 83.1 124.7

192 17.8 12.7 19.1

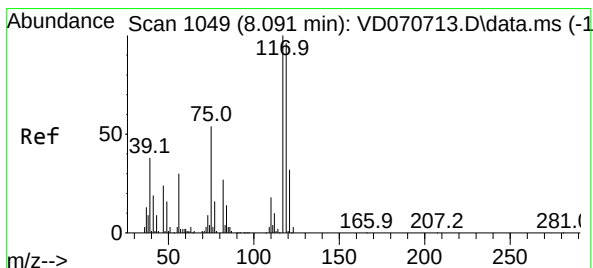
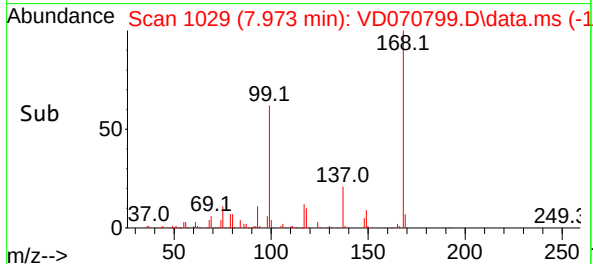
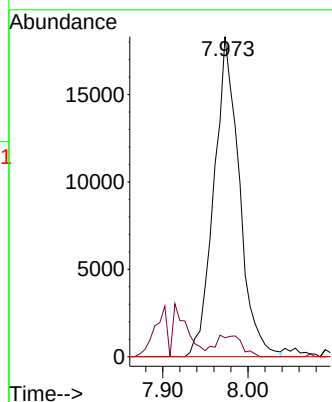
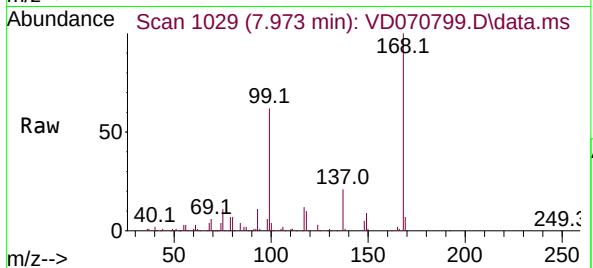




#36
1,1-Dichloropropene
Concen: 4.688 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070799.D
Acq: 21 Oct 2021 14:21

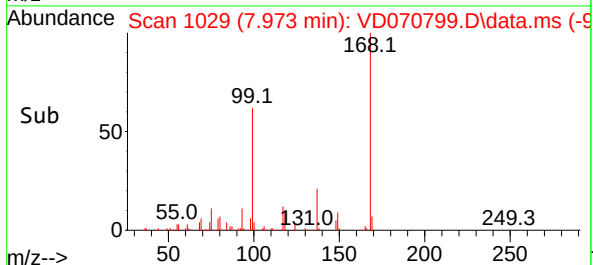
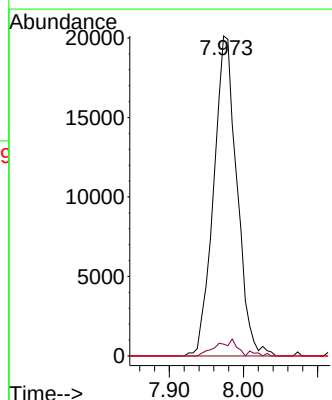
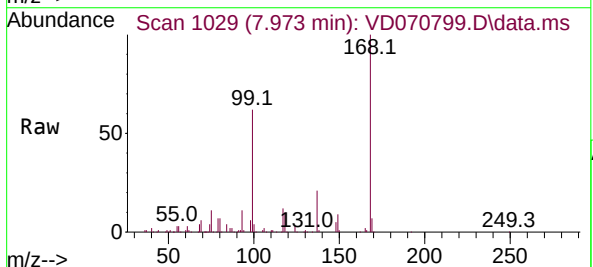
Instrument :
MSVOA_D
ClientSampleId :

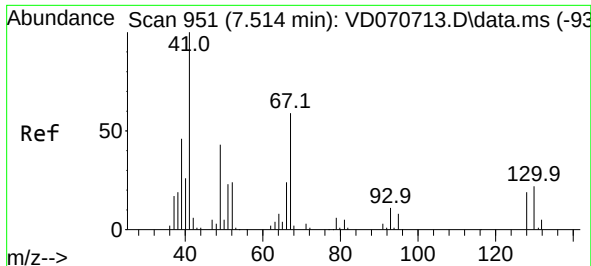
Tgt Ion: 75 Resp: 37829
Ion Ratio Lower Upper
75 100
110 7.0 17.2 51.6#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 5.695 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070799.D
Acq: 21 Oct 2021 14:21

Tgt Ion: 117 Resp: 44011
Ion Ratio Lower Upper
117 100
119 3.7 77.4 116.0#
121 0.0 25.4 38.0#

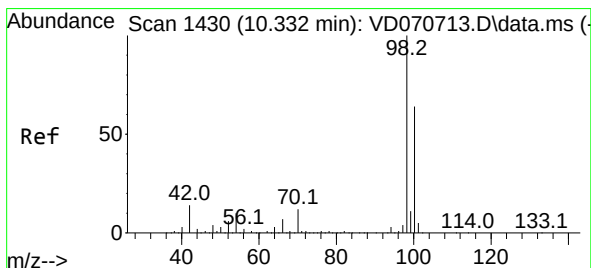
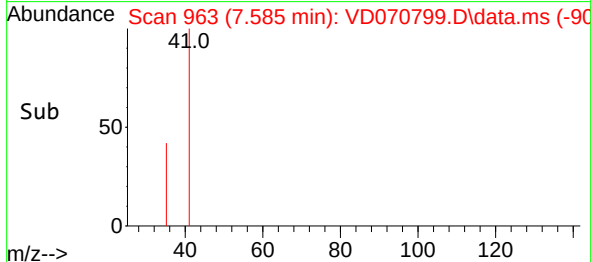
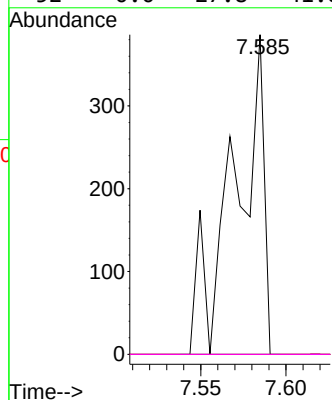
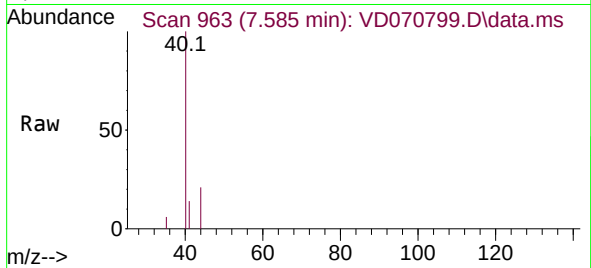




#41
Methacrylonitrile
Concen: 2.156 ug/l
RT: 7.585 min Scan# 963
Delta R.T. 0.071 min
Lab File: VD070799.D
Acq: 21 Oct 2021 14:21

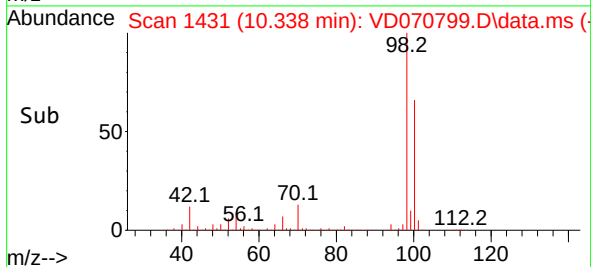
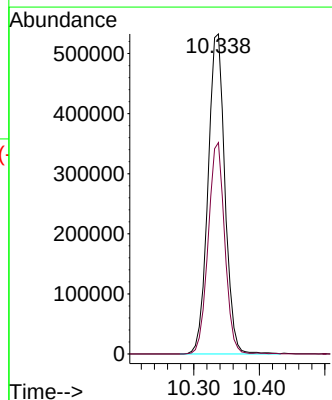
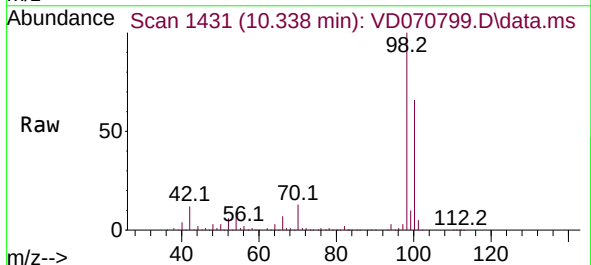
Instrument :
MSVOA_D
ClientSampled :

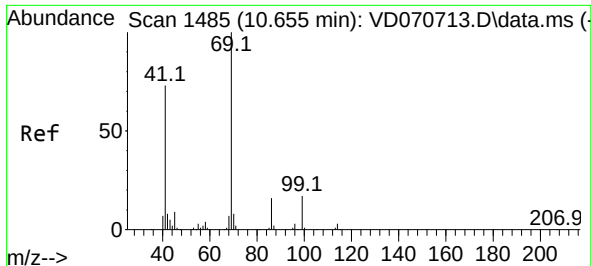
Tgt Ion: 41 Resp: 467
Ion Ratio Lower Upper
41 100
39 0.0 45.2 67.8#
67 0.0 75.8 113.6#
52 0.0 27.8 41.8#



#50
Toluene-d8
Concen: 53.705 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070799.D
Acq: 21 Oct 2021 14:21

Tgt Ion: 98 Resp: 954812
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.4

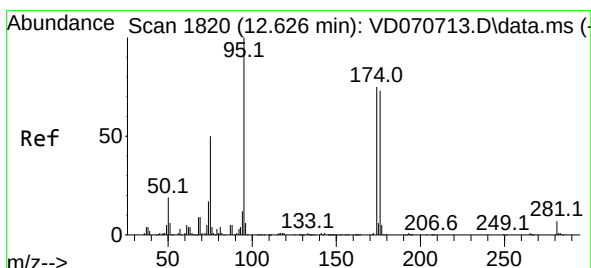
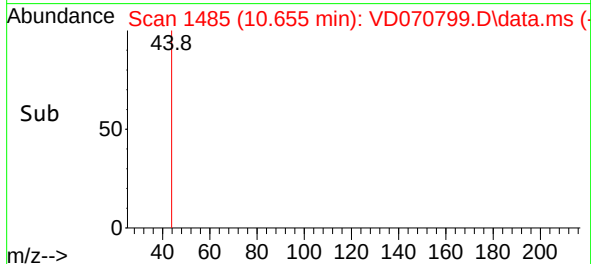
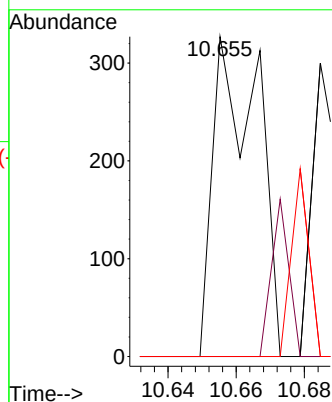
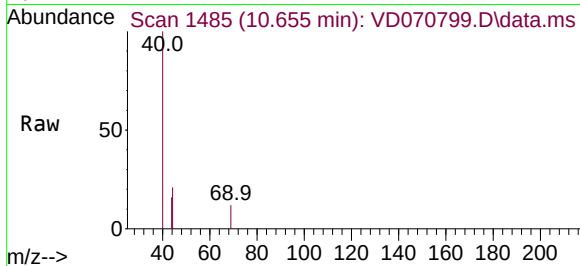




#56
Ethyl methacrylate
Concen: 4.205 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD070799.D
Acq: 21 Oct 2021 14:21

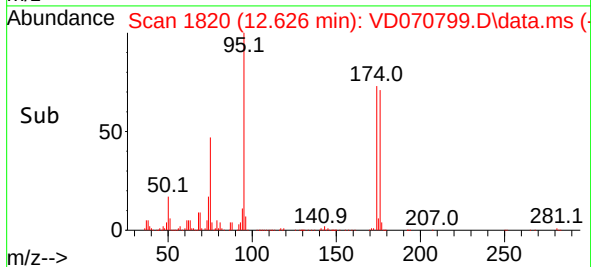
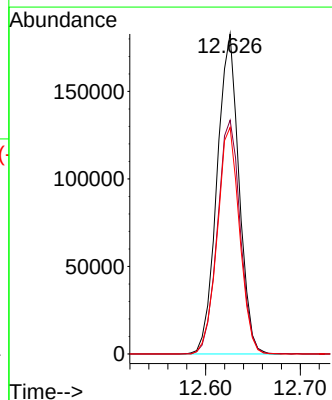
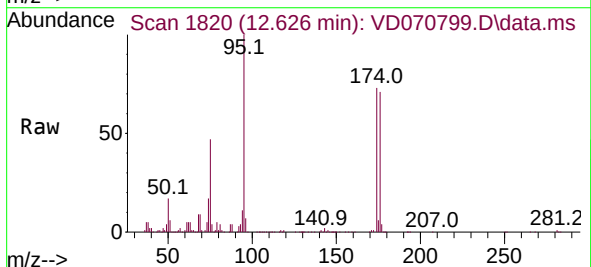
Instrument :
MSVOA_D
ClientSampled :

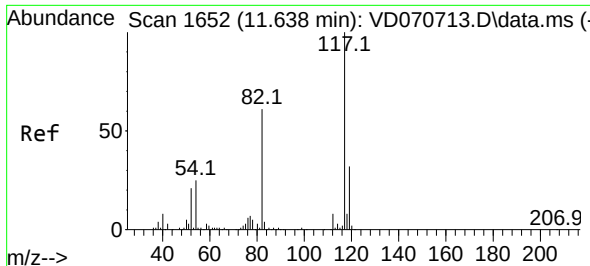
Tgt Ion: 69 Resp: 297
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 0.0 19.5 29.3#



#62
4-Bromofluorobenzene
Concen: 48.204 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070799.D
Acq: 21 Oct 2021 14:21

Tgt Ion: 95 Resp: 295096
Ion Ratio Lower Upper
95 100
174 75.5 0.0 138.0
176 71.6 0.0 135.6

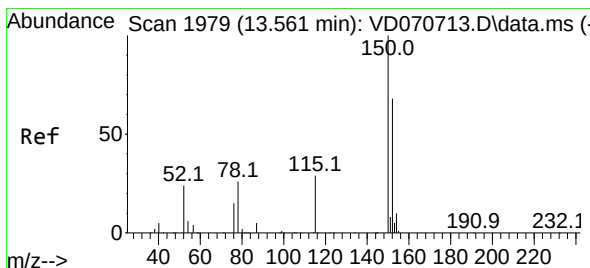
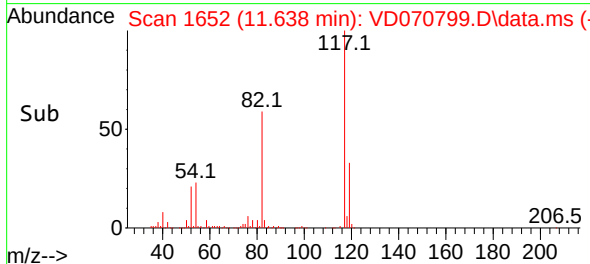
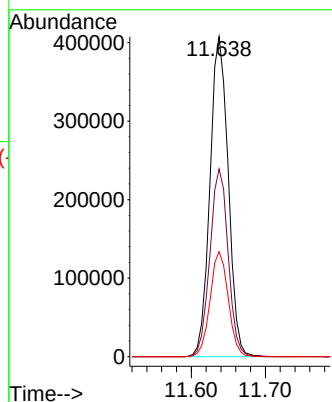
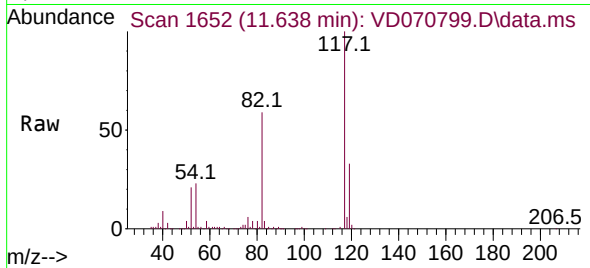




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070799.D
Acq: 21 Oct 2021 14:21

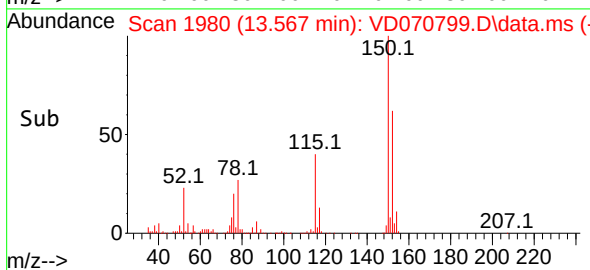
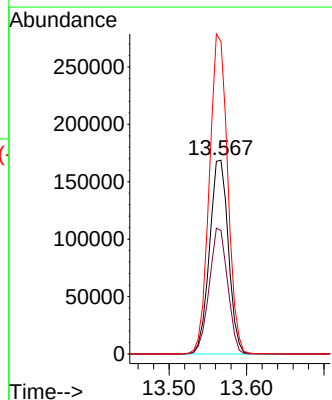
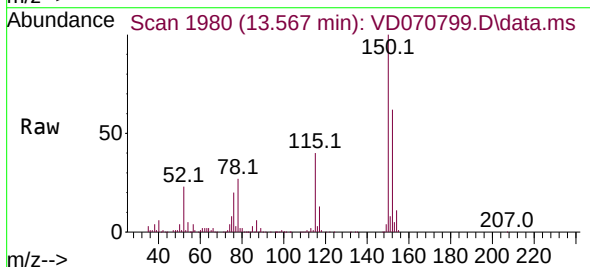
Instrument :
MSVOA_D
ClientSampleId :

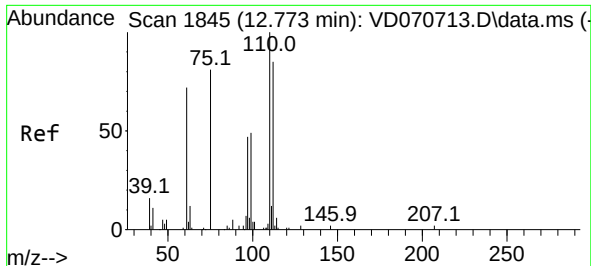
Tgt Ion:117 Resp: 697311
Ion Ratio Lower Upper
117 100
82 58.7 45.4 68.2
119 32.8 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD070799.D
Acq: 21 Oct 2021 14:21

Tgt Ion:152 Resp: 283992
Ion Ratio Lower Upper
152 100
115 63.7 31.9 95.7
150 161.4 0.0 350.0

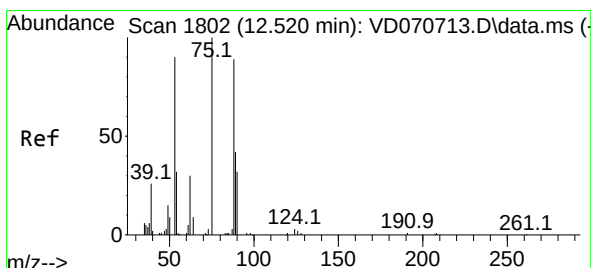
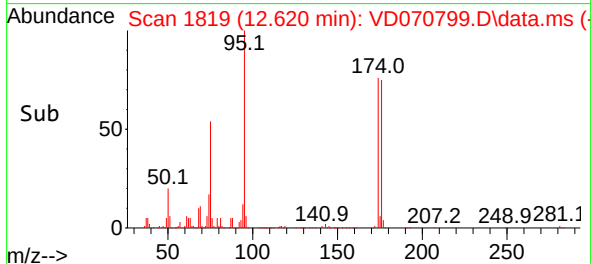
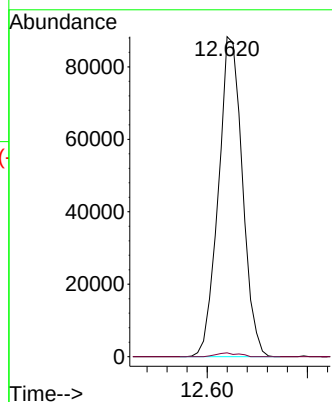
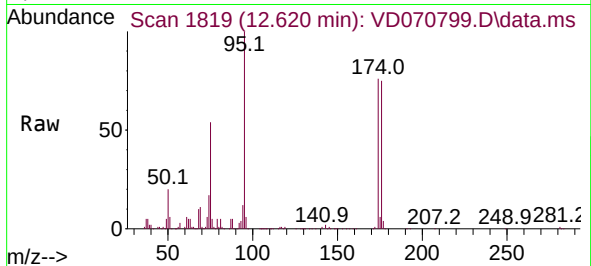




#76
1,2,3-Trichloropropane
Concen: 59.830 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070799.D
Acq: 21 Oct 2021 14:21

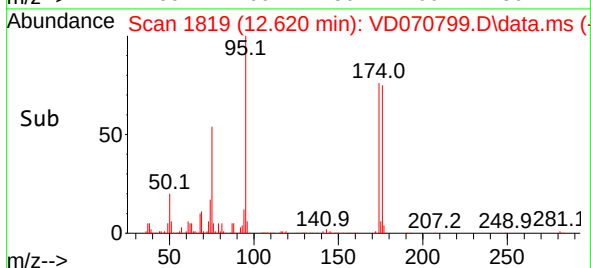
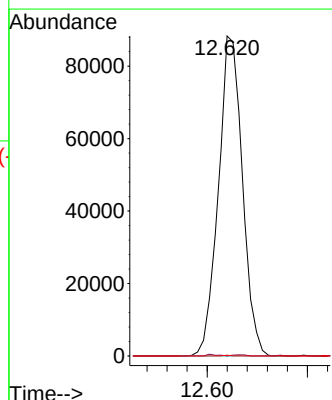
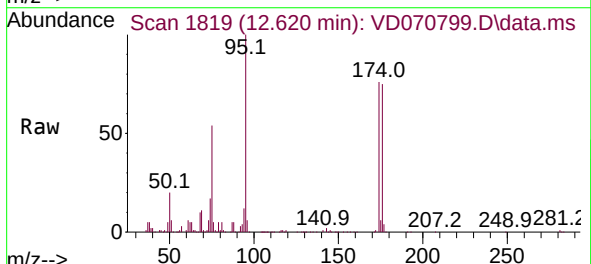
Instrument :
MSVOA_D
ClientSampled :

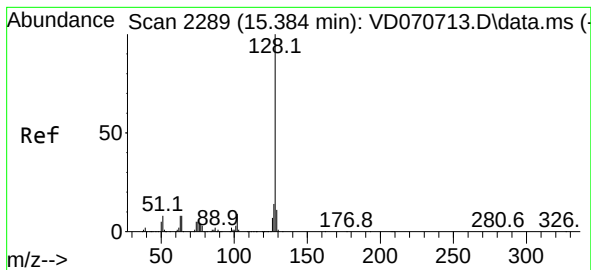
Tgt Ion: 75 Resp: 146798
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.047 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070799.D
Acq: 21 Oct 2021 14:21

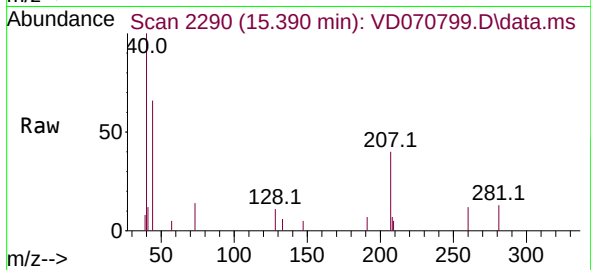
Tgt Ion: 75 Resp: 146798
Ion Ratio Lower Upper
75 100
53 0.2 64.5 96.7#
89 0.1 35.3 52.9#





#95
Naphthalene
Concen: 4.841 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD070799.D
Acq: 21 Oct 2021 14:21

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 496
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

