

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071621\
 Data File : VD069735.D
 Acq On : 16 Jul 2021 19:56
 Operator : VA/SY
 Sample : M3022-02
 Misc : 5.51G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 17 00:56:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	497587	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	968206	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1186529	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	544928	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	336987	54.239	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.480%	
35) Dibromofluoromethane	7.909	113	318518	49.037	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.080%	
50) Toluene-d8	10.338	98	1378035	54.608	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.220%	
62) 4-Bromofluorobenzene	12.626	95	556656	66.141	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 132.280%	

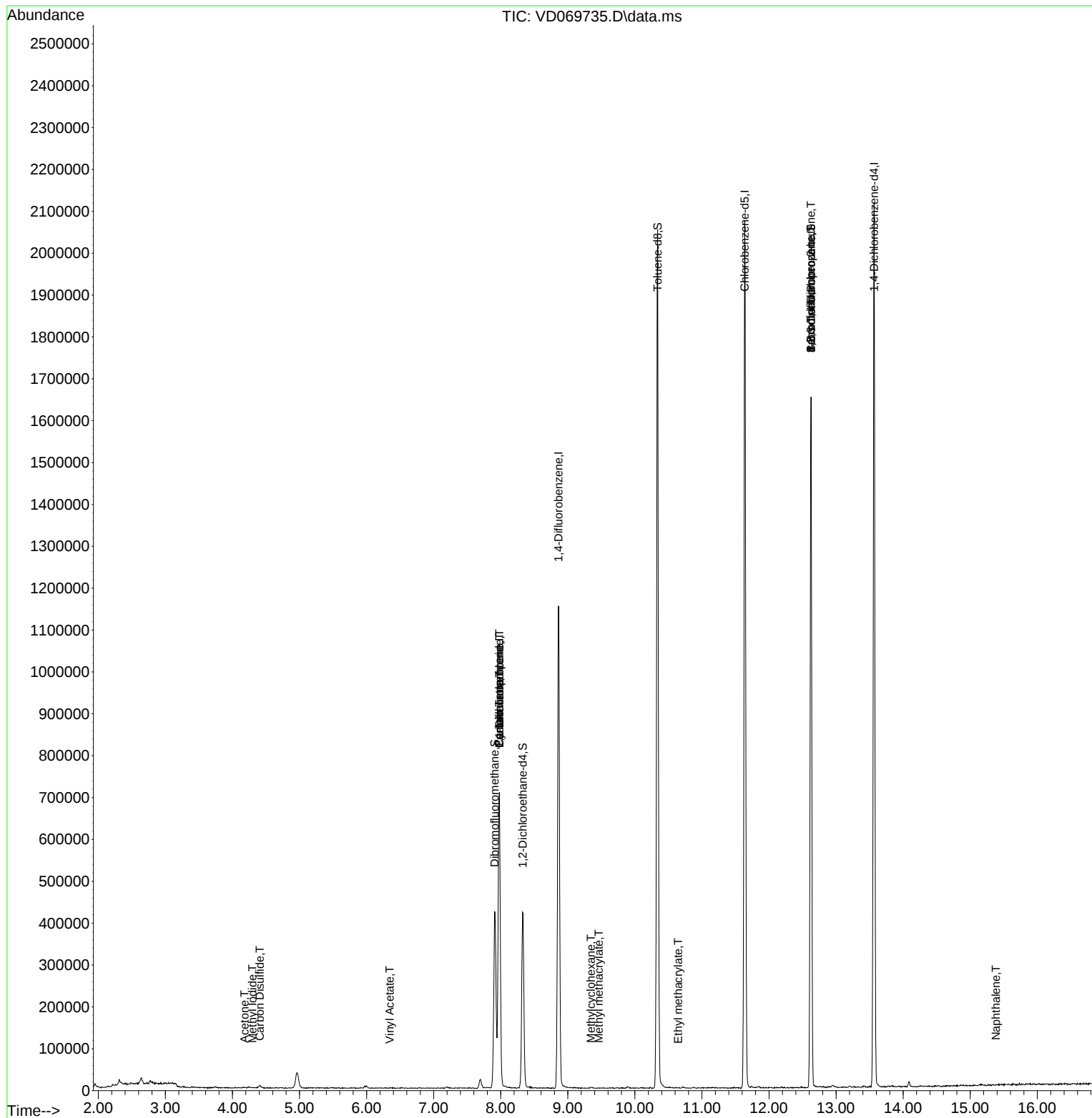
Target Compounds				Qvalue		
5) Bromomethane	2.779	94	3993	Below Cal	91	
10) Methyl Iodide	4.297	142	1018	2.625 ug/l #	43	
16) Acetone	4.179	43	2500	14.867 ug/l #	39	
17) Carbon Disulfide	4.409	76	12020	1.058 ug/l #	93	
18) Methyl Acetate	4.732	43	811	Below Cal #	49	
20) Methylene Chloride	4.956	84	30823	Below Cal	92	
23) Vinyl Acetate	6.344	43	151	15.439 ug/l #	72	
31) Cyclohexane	7.979	56	12123	1.542 ug/l #	1	
36) 1,1-Dichloropropene	7.979	75	45863	4.592 ug/l #	50	
38) Carbon Tetrachloride	7.979	117	54868	5.999 ug/l #	17	
39) Methylcyclohexane	9.344	83	787	2.022 ug/l #	67	
48) Methyl methacrylate	9.461	41	59	1.119 ug/l #	1	
56) Ethyl methacrylate	10.644	69	62	1.674 ug/l #	1	
71) Bromoform	12.626	173	4892	1.192 ug/l #	1	
76) 1,2,3-Trichloropropane	12.626	75	278198	52.551 ug/l #	100	
81) trans-1,4-Dichloro-2-b...	12.626	75	278198	141.230 ug/l #	14	
95) Naphthalene	15.385	128	290	2.221 ug/l #	69	

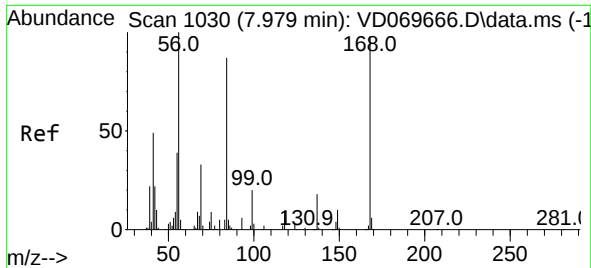
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD069735.D
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Quant Time: Jul 17 00:56:34 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 14 06:00:31 2021
Response via : Initial Calibration

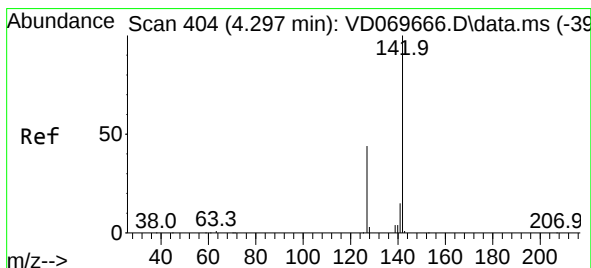
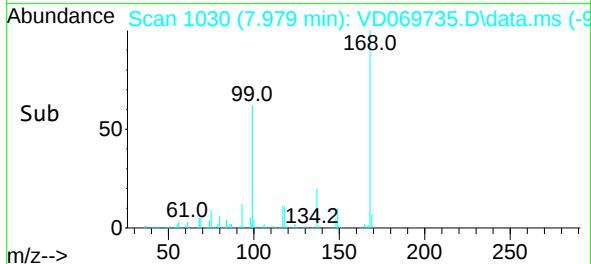
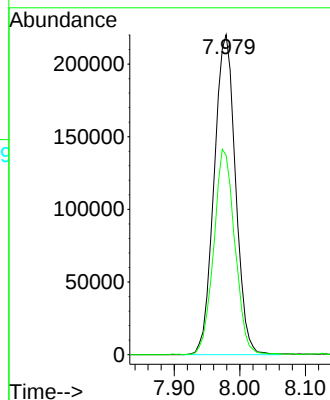
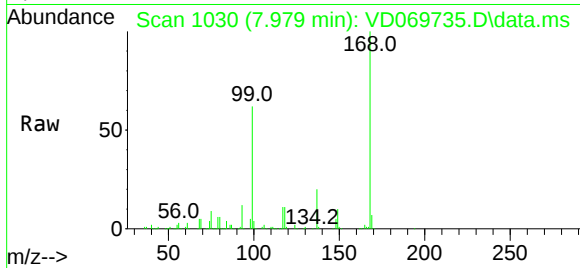




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069735.D
Acq: 16 Jul 2021 19:56

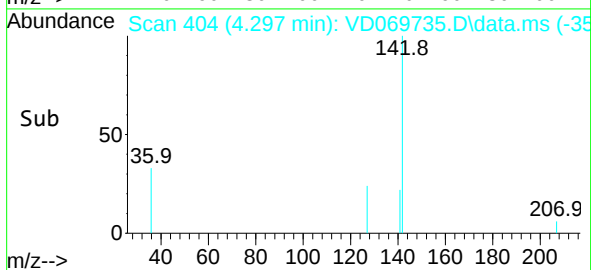
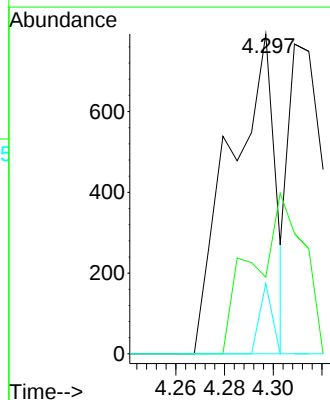
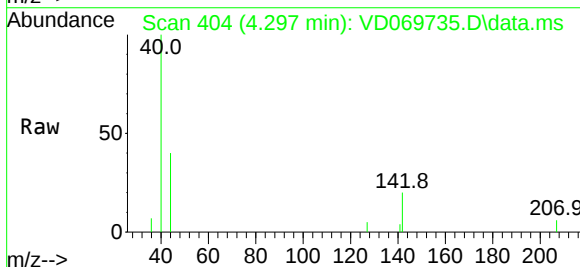
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MSVOA_D
ClientSampled :

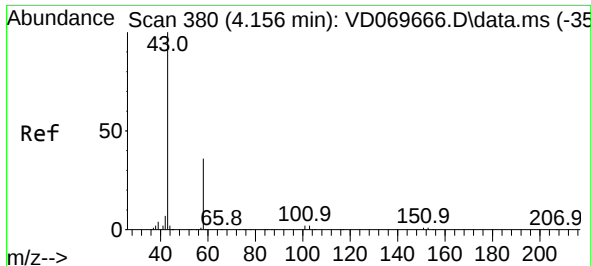
Tgt Ion:168 Resp: 497587
Ion Ratio Lower Upper
168 100
99 62.1 51.8 77.6



#10
Methyl Iodide
Concen: 2.625 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069735.D
Acq: 16 Jul 2021 19:56

Tgt Ion:142 Resp: 1018
Ion Ratio Lower Upper
142 100
127 0.0 36.1 54.1#
141 6.0 11.6 17.4#

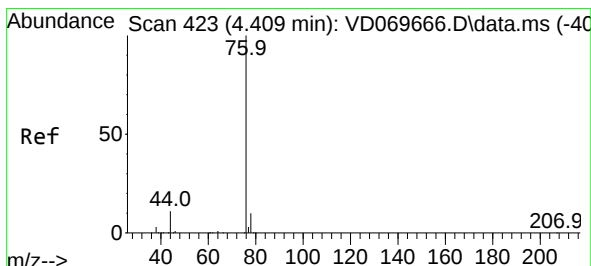
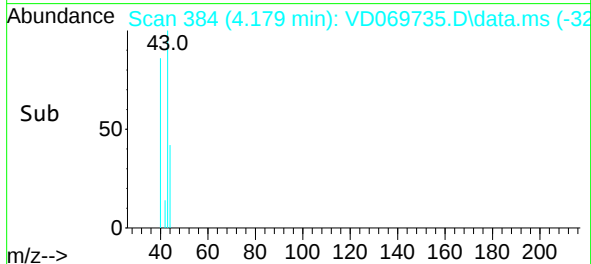
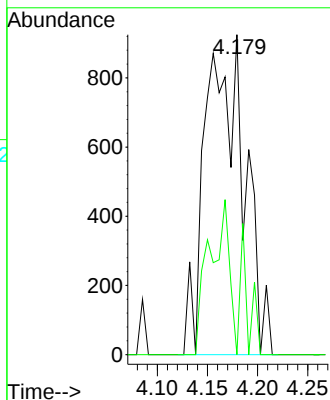
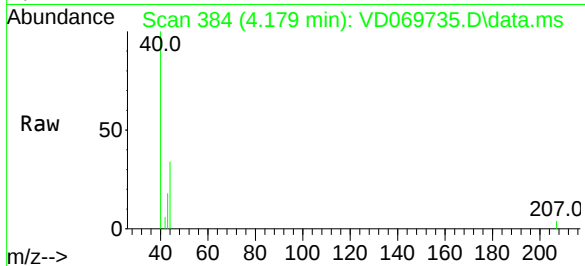




#16
Acetone
Concen: 14.867 ug/l
RT: 4.179 min Scan# 384
Delta R.T. 0.023 min
Lab File: VD069735.D
Acq: 16 Jul 2021 19:56

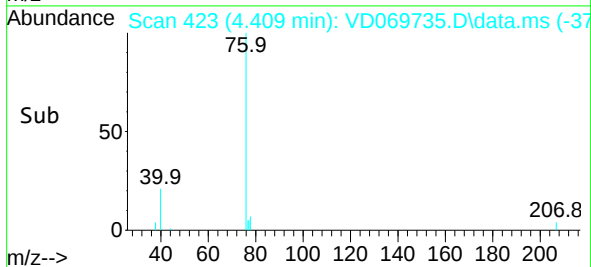
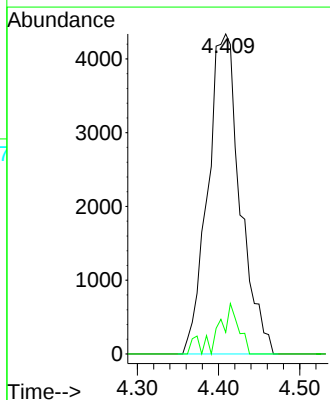
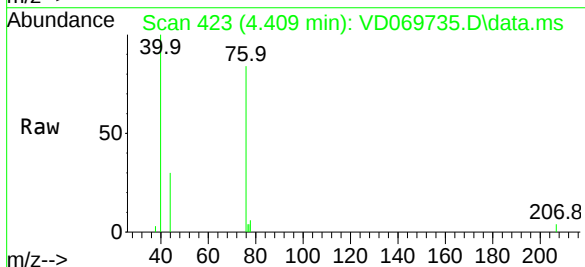
Instrument :
MSVOA_D
ClientSampled :

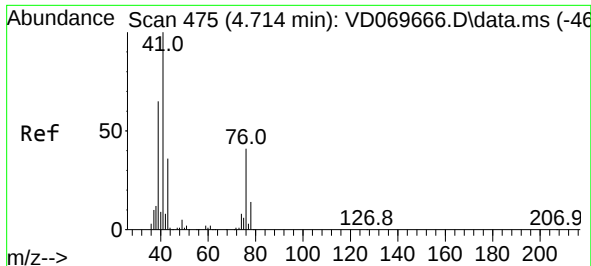
Tgt Ion: 43 Resp: 2500
Ion Ratio Lower Upper
43 100
58 0.0 28.6 42.8#



#17
Carbon Disulfide
Concen: 1.058 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069735.D
Acq: 16 Jul 2021 19:56

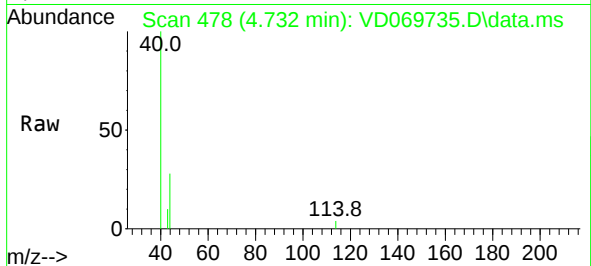
Tgt Ion: 76 Resp: 12020
Ion Ratio Lower Upper
76 100
78 6.8 7.6 11.4#



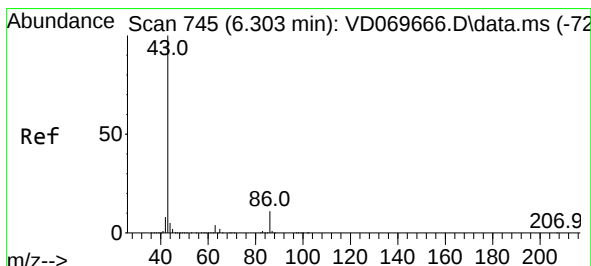
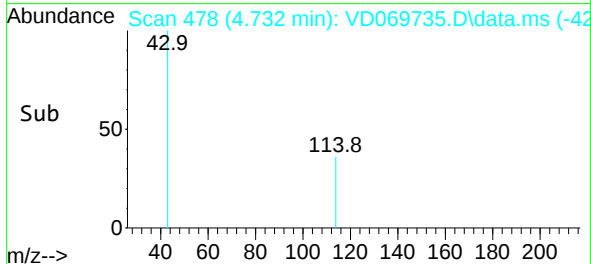
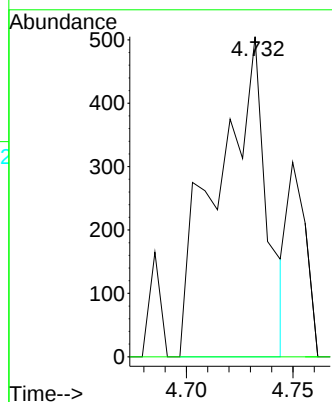


#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.018 min
Lab File: VD069735.D
Acq: 16 Jul 2021 19:56

Instrument :
MSVOA_D
ClientSampled :

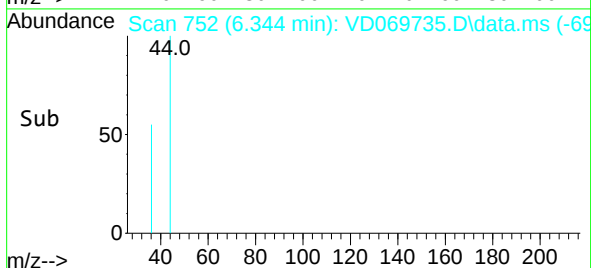
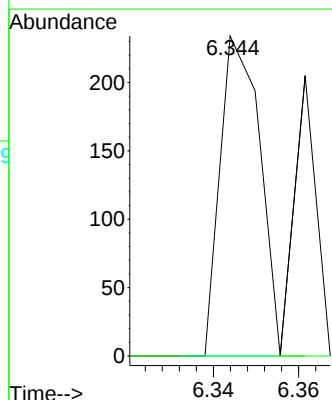
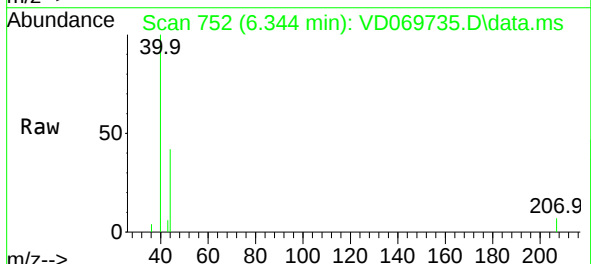


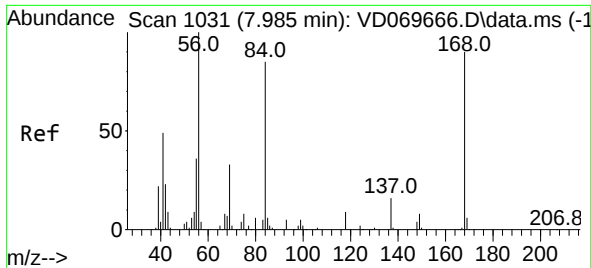
Tgt Ion: 43 Resp: 811
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#23
Vinyl Acetate
Concen: 15.439 ug/l
RT: 6.344 min Scan# 752
Delta R.T. 0.041 min
Lab File: VD069735.D
Acq: 16 Jul 2021 19:56

Tgt Ion: 43 Resp: 151
Ion Ratio Lower Upper
43 100
86 0.0 8.6 12.8#

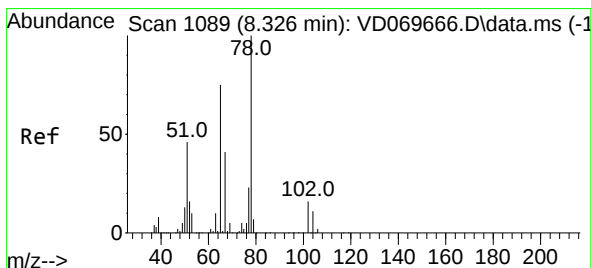
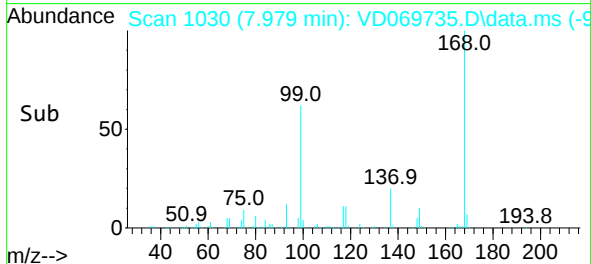
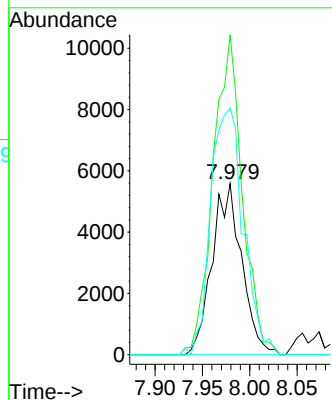
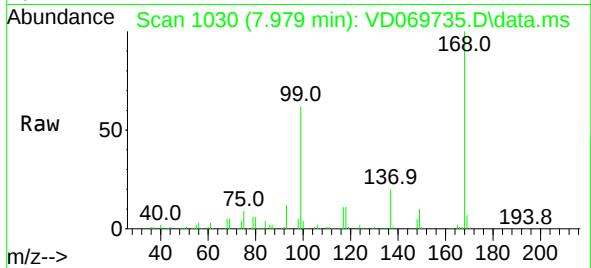




#31
Cyclohexane
Concen: 1.542 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069735.D
Acq: 16 Jul 2021 19:56

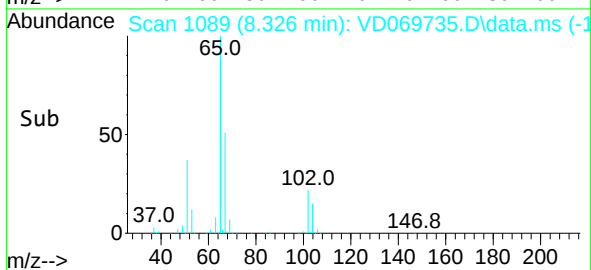
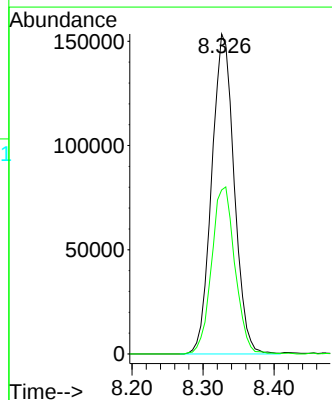
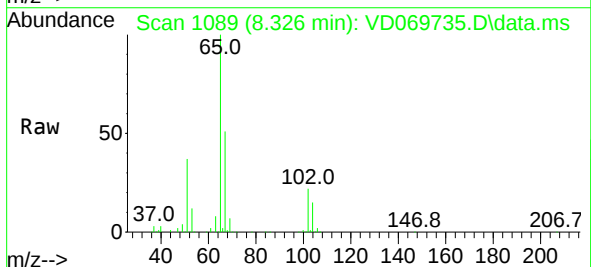
Instrument :
MSVOA_D
ClientSampleId :

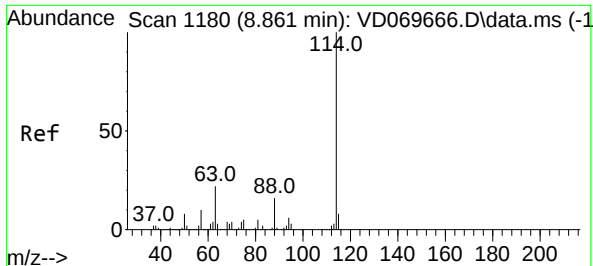
Tgt Ion: 56 Resp: 12123
Ion Ratio Lower Upper
56 100
69 187.0 26.6 39.8#
84 144.1 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 54.239 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069735.D
Acq: 16 Jul 2021 19:56

Tgt Ion: 65 Resp: 336987
Ion Ratio Lower Upper
65 100
67 54.1 0.0 107.2



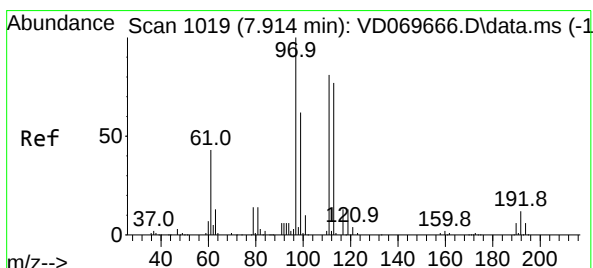
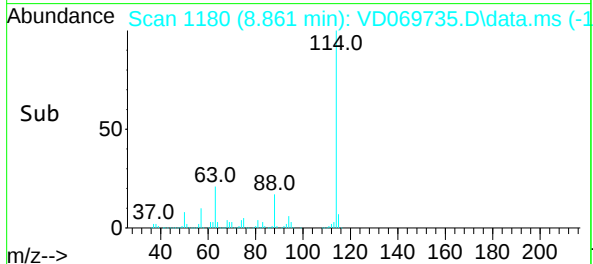
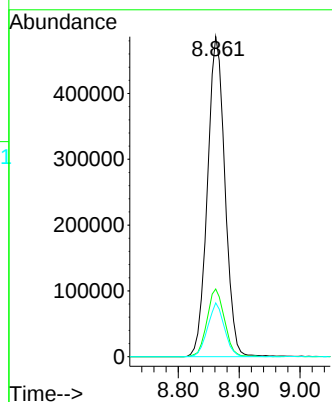
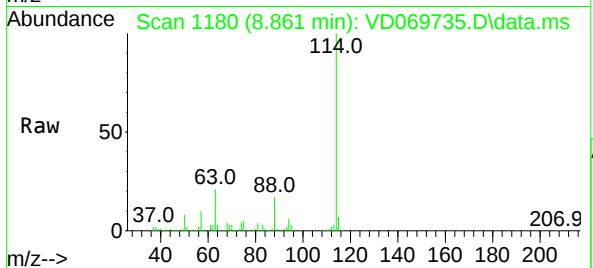


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069735.D
Acq: 16 Jul 2021 19:56

Instrument :
MSVOA_D
ClientSampled :

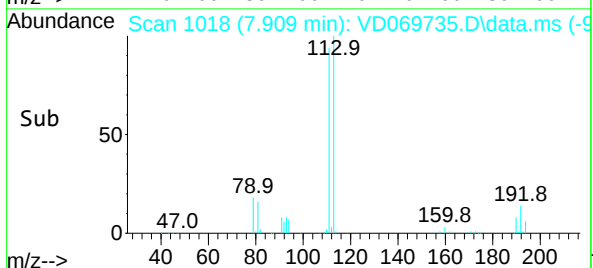
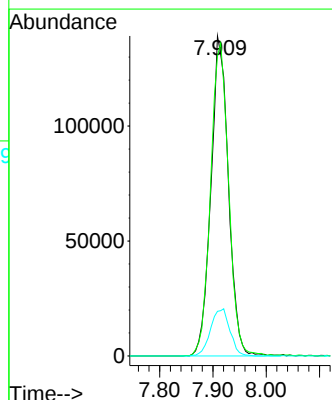
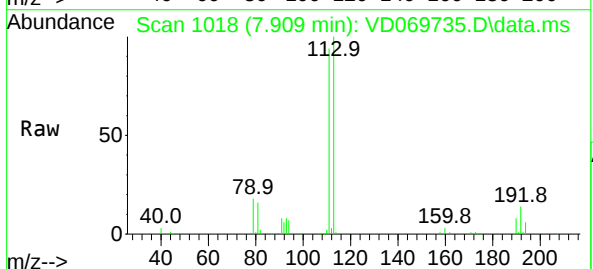
Tgt Ion:	114	Resp:	968206
Ion Ratio	Lower	Upper	
114	100		
63	21.1	0.0	43.4
88	16.8	0.0	32.0

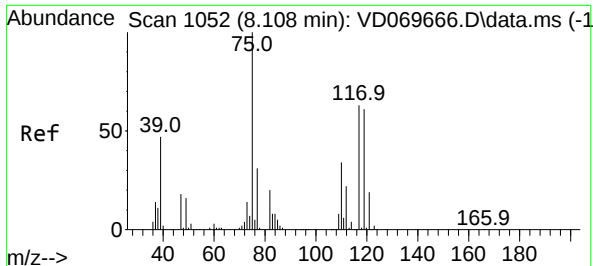


#35

Dibromofluoromethane
Concen: 49.037 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.005 min
Lab File: VD069735.D
Acq: 16 Jul 2021 19:56

Tgt Ion:	113	Resp:	318518
Ion Ratio	Lower	Upper	
113	100		
111	100.7	82.6	123.8
192	16.2	12.7	19.1



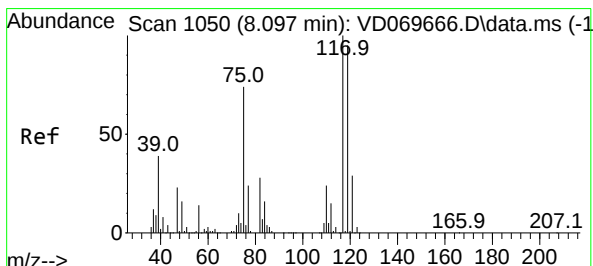
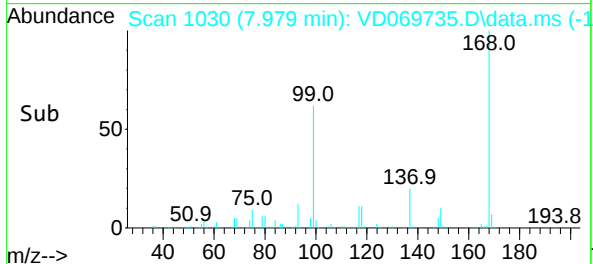
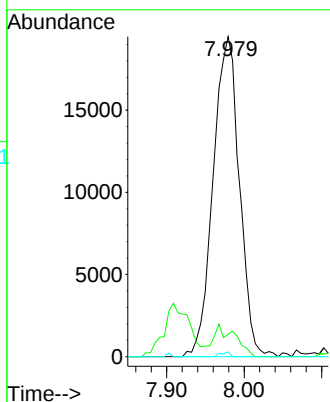
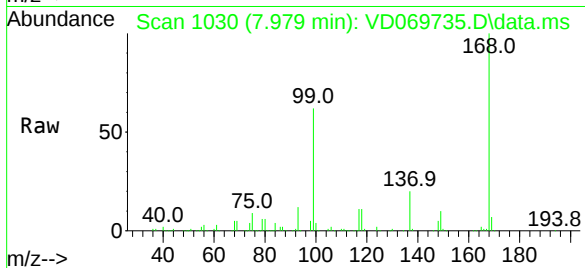


#36

1,1-Dichloropropene
Concen: 4.592 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069735.D
Acq: 16 Jul 2021 19:56

Instrument :
MSVOA_D
ClientSampled :

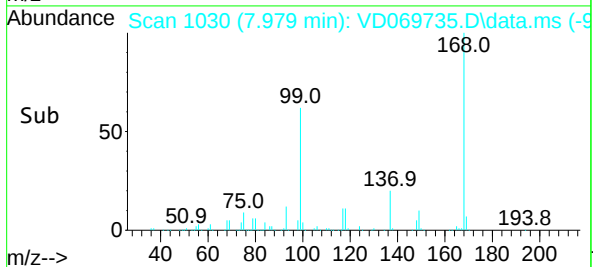
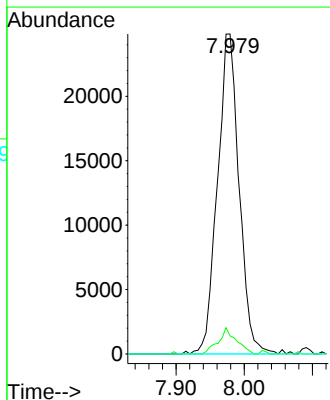
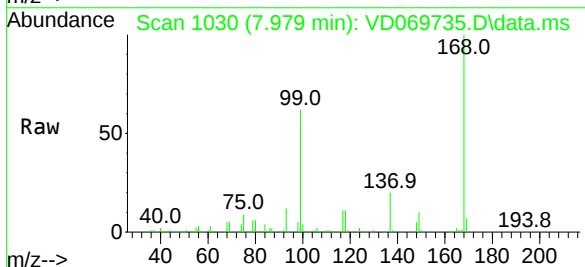
Tgt Ion: 75 Resp: 45863
Ion Ratio Lower Upper
75 100
110 8.2 16.7 50.0#
77 0.5 25.3 37.9#

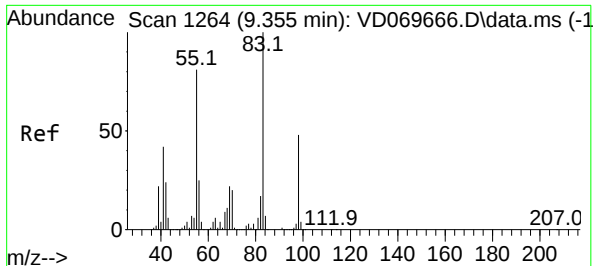


#38

Carbon Tetrachloride
Concen: 5.999 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069735.D
Acq: 16 Jul 2021 19:56

Tgt Ion: 117 Resp: 54868
Ion Ratio Lower Upper
117 100
119 5.6 75.7 113.5#
121 0.0 23.0 34.6#





#39

Methylcyclohexane

Concen: 2.022 ug/l

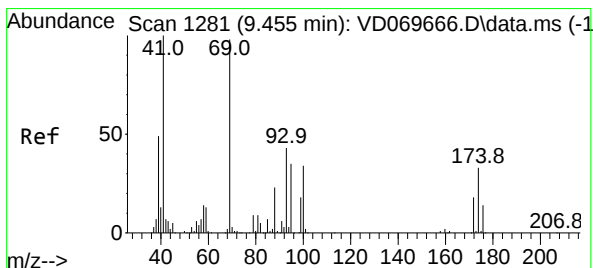
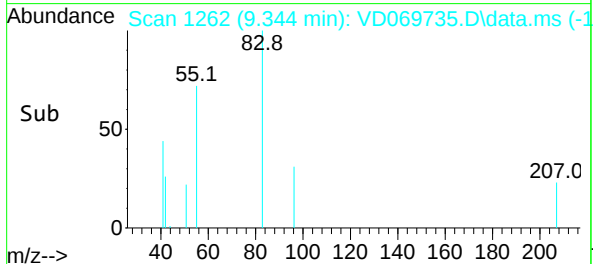
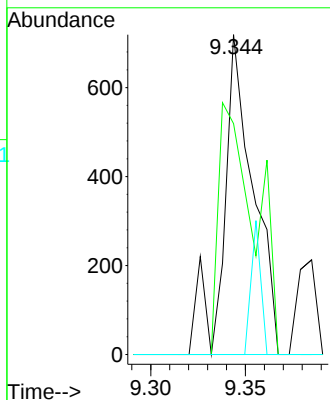
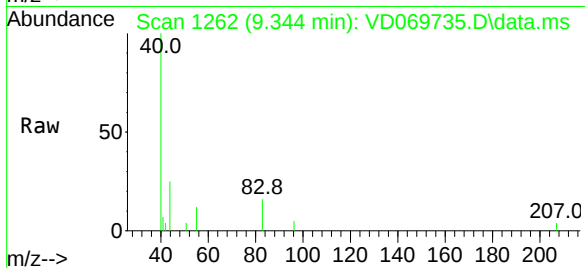
RT: 9.344 min Scan# 1262

Delta R.T. -0.011 min

Lab File: VD069735.D

Acq: 16 Jul 2021 19:56

Tgt Ion:	83	Resp:	787
Ion	Ratio	Lower	Upper
83	100		
55	72.2	64.6	97.0
98	0.0	38.4	57.6#



#48

Methyl methacrylate

Concen: 1.119 ug/l

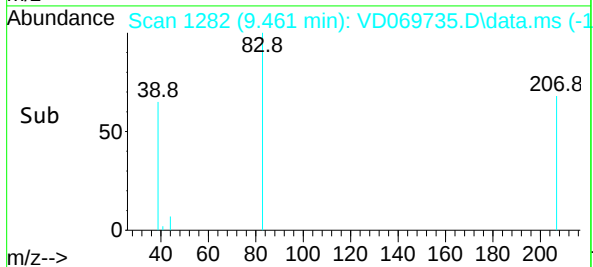
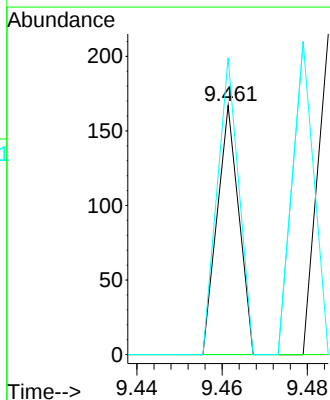
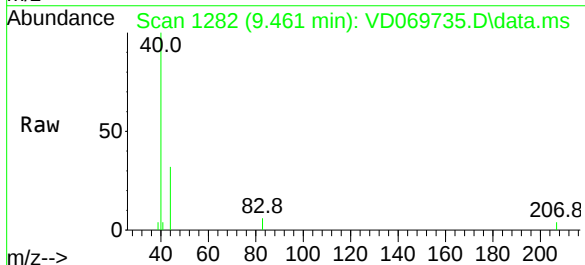
RT: 9.461 min Scan# 1282

Delta R.T. 0.006 min

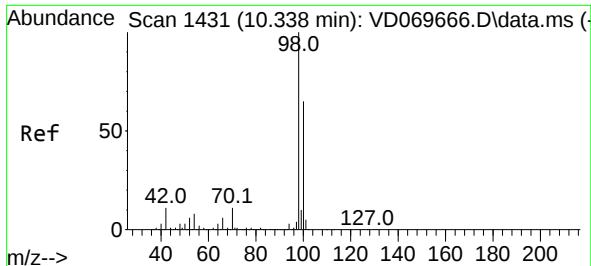
Lab File: VD069735.D

Acq: 16 Jul 2021 19:56

Tgt Ion:	41	Resp:	59
Ion	Ratio	Lower	Upper
41	100		
69	0.0	71.6	107.4#
39	118.6	36.7	55.1#



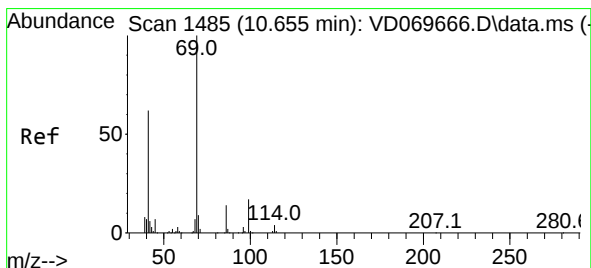
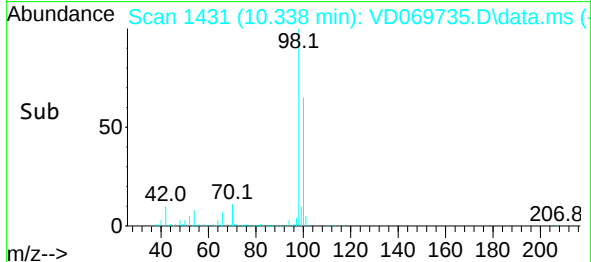
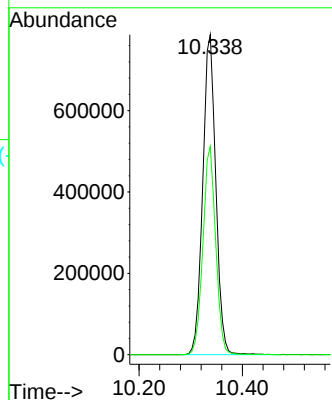
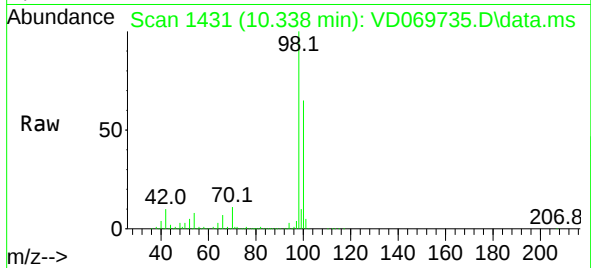
Instrument :
MSVOA_D
ClientSampleId :



#50
Toluene-d8
Concen: 54.608 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069735.D
Acq: 16 Jul 2021 19:56

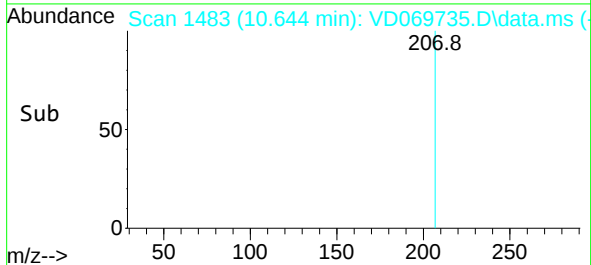
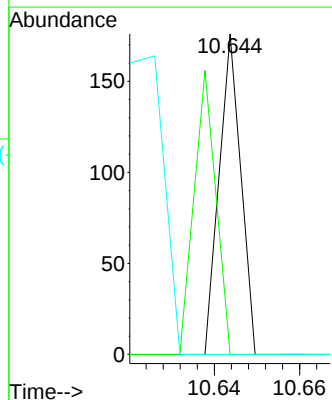
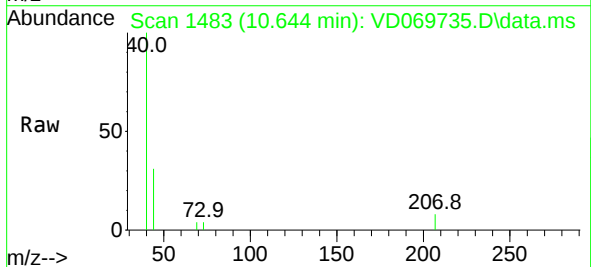
Instrument :
MSVOA_D
ClientSampleId :

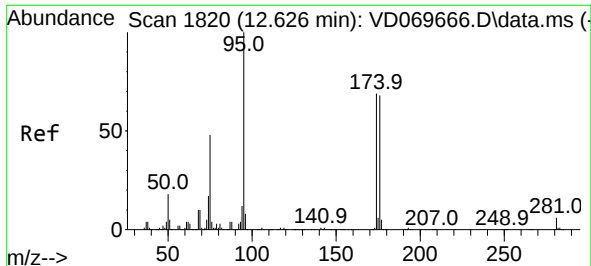
Tgt Ion: 98 Resp: 1378035
Ion Ratio Lower Upper
98 100
100 63.7 52.2 78.2



#56
Ethyl methacrylate
Concen: 1.674 ug/l
RT: 10.644 min Scan# 1483
Delta R.T. -0.011 min
Lab File: VD069735.D
Acq: 16 Jul 2021 19:56

Tgt Ion: 69 Resp: 62
Ion Ratio Lower Upper
69 100
41 88.7 49.5 74.3#
39 185.5 22.5 33.7#

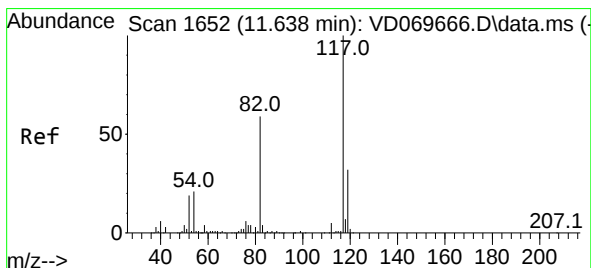
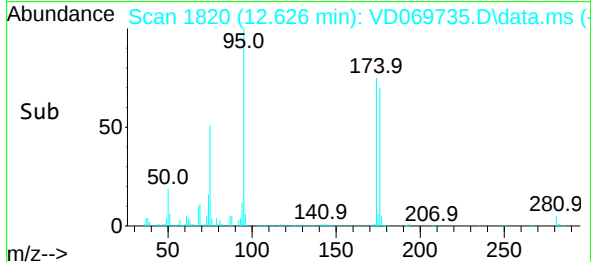
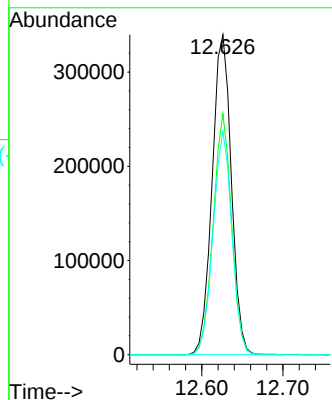
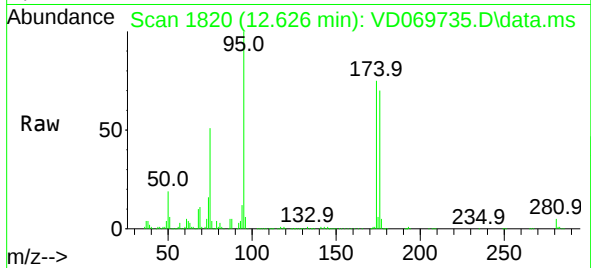




#62
4-Bromofluorobenzene
Concen: 66.141 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069735.D
Acq: 16 Jul 2021 19:56

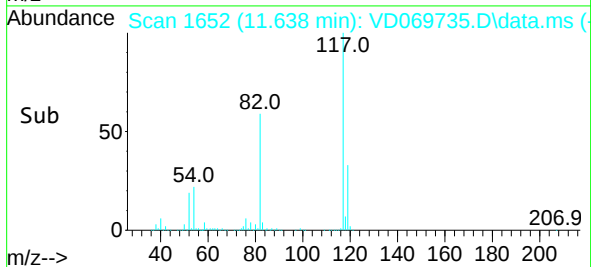
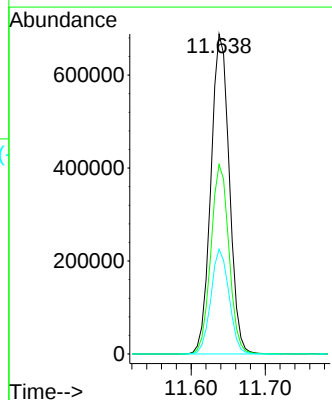
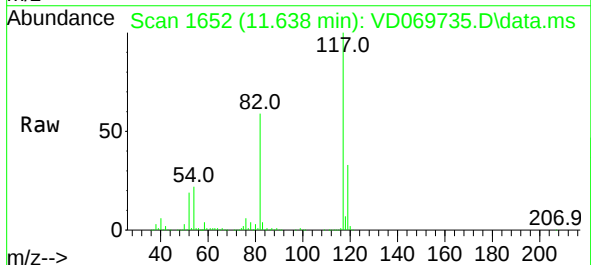
Instrument :
MSVOA_D
ClientSampleId :

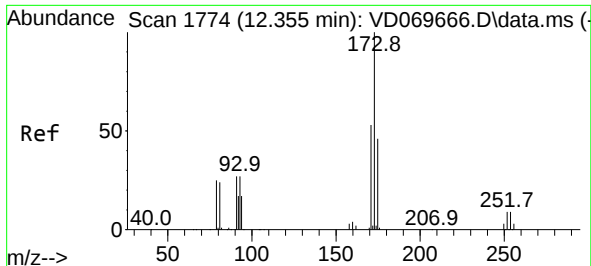
Tgt Ion: 95 Resp: 556656
Ion Ratio Lower Upper
95 100
174 72.6 0.0 140.0
176 68.6 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069735.D
Acq: 16 Jul 2021 19:56

Tgt Ion: 117 Resp: 1186529
Ion Ratio Lower Upper
117 100
82 59.2 47.4 71.2
119 32.7 25.5 38.3

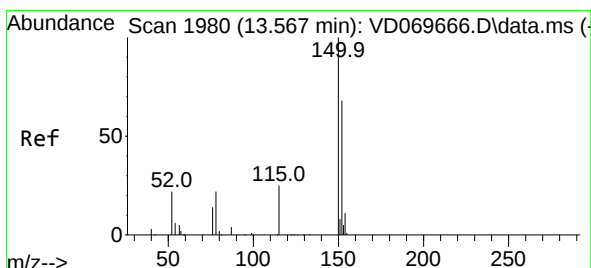
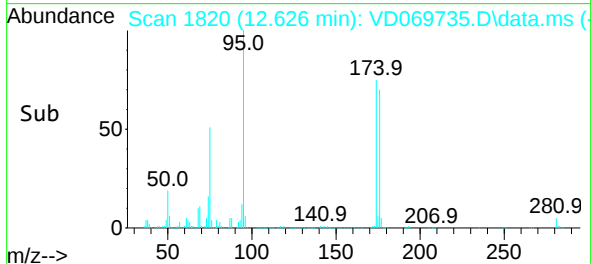
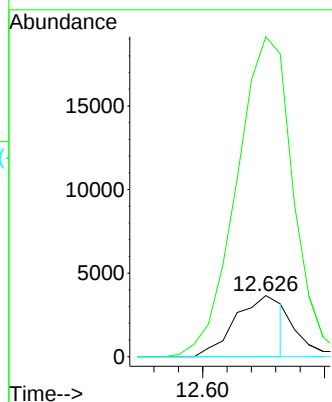
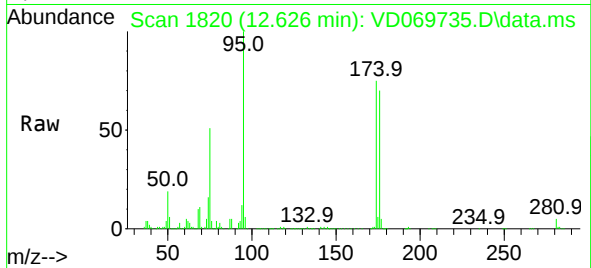




#71
Bromoform
Concen: 1.192 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069735.D
Acq: 16 Jul 2021 19:56

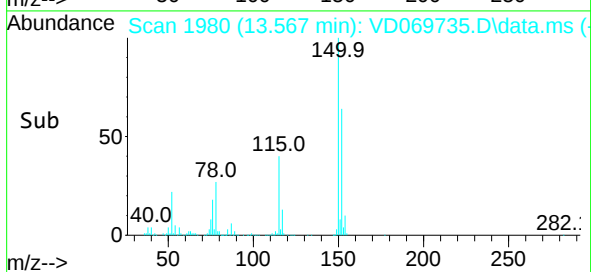
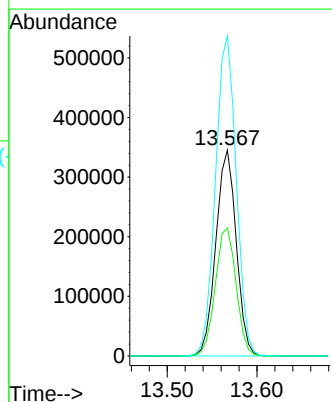
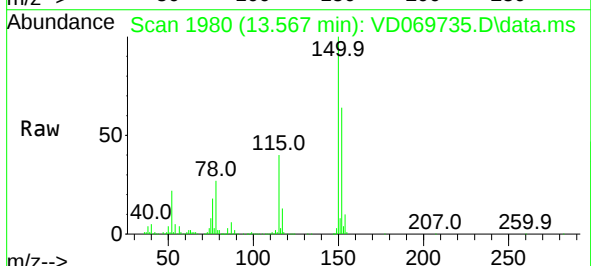
Instrument :
MSVOA_D
ClientSampleId :

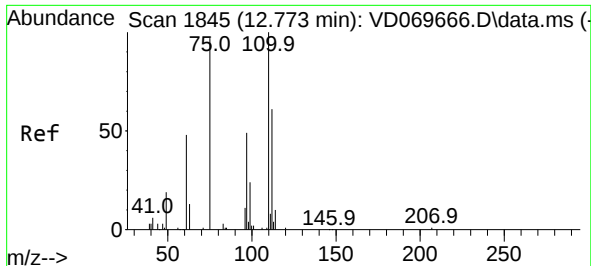
Tgt Ion:173 Resp: 4892
Ion Ratio Lower Upper
173 100
175 525.4 24.2 72.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069735.D
Acq: 16 Jul 2021 19:56

Tgt Ion:152 Resp: 544928
Ion Ratio Lower Upper
152 100
115 63.6 31.7 95.1
150 158.3 0.0 350.4

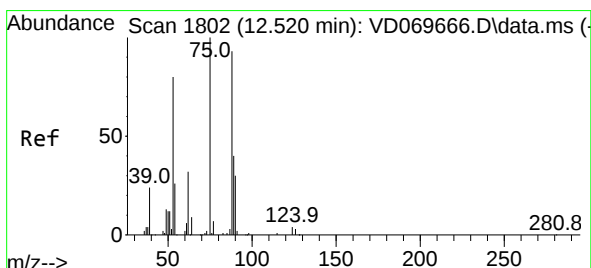
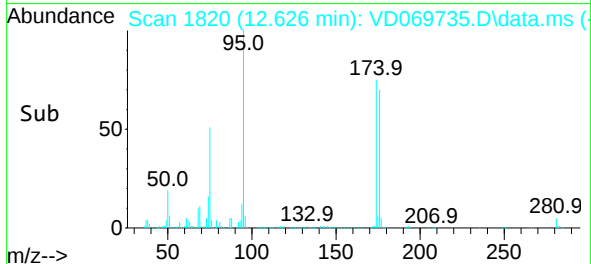
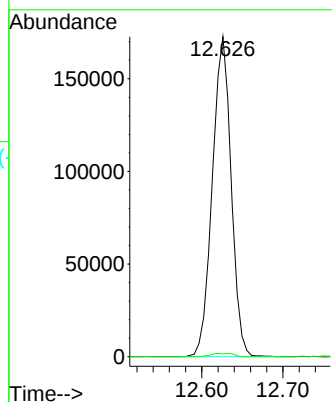
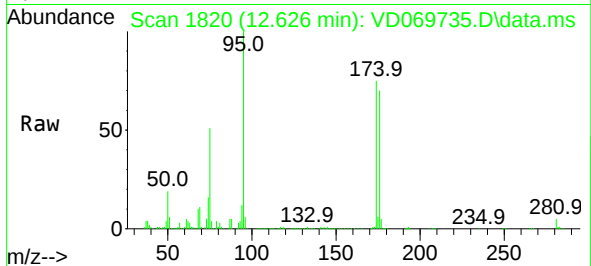




#76
1,2,3-Trichloropropane
Concen: 52.551 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069735.D
Acq: 16 Jul 2021 19:56

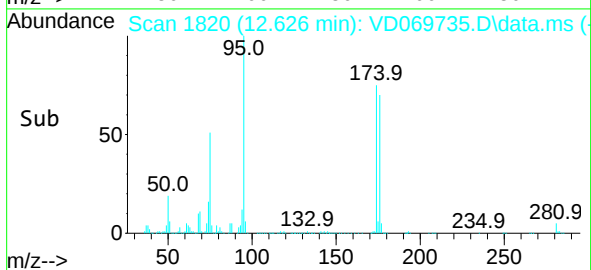
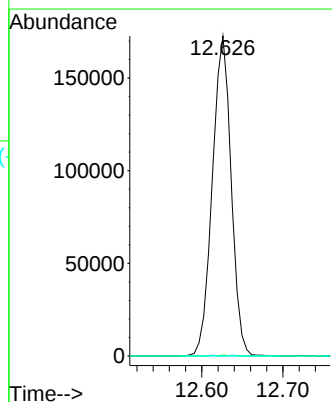
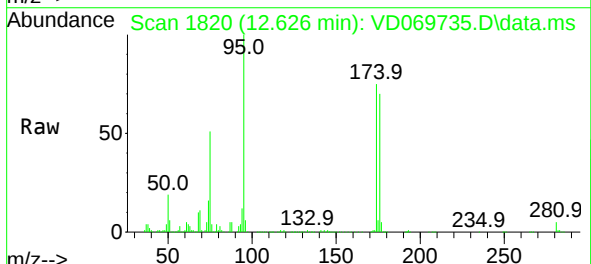
Instrument :
MSVOA_D
ClientSampleId :

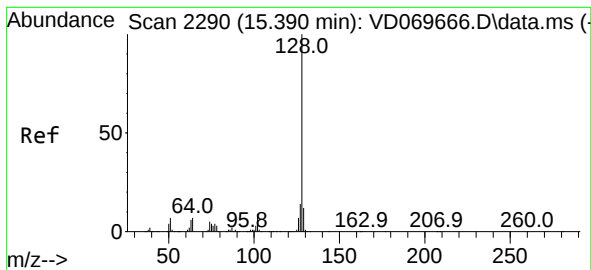
Tgt Ion: 75 Resp: 278198
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 141.230 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069735.D
Acq: 16 Jul 2021 19:56

Tgt Ion: 75 Resp: 278198
Ion Ratio Lower Upper
75 100
53 0.2 70.6 106.0#
89 0.1 35.1 52.7#





#95
Naphthalene
Concen: 2.221 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069735.D
Acq: 16 Jul 2021 19:56

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 290
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

