

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071421\
 Data File : VD069685.D
 Acq On : 14 Jul 2021 11:24
 Operator : VA/SY
 Sample : VD0714SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 14 16:29:36 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	560655	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1160054	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1303791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	613531	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	367713	52.527	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.060%	
35) Dibromofluoromethane	7.914	113	380981	48.953	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.900%	
50) Toluene-d8	10.338	98	1546941	51.163	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.320%	
62) 4-Bromofluorobenzene	12.626	95	611147	60.607	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 121.220%	

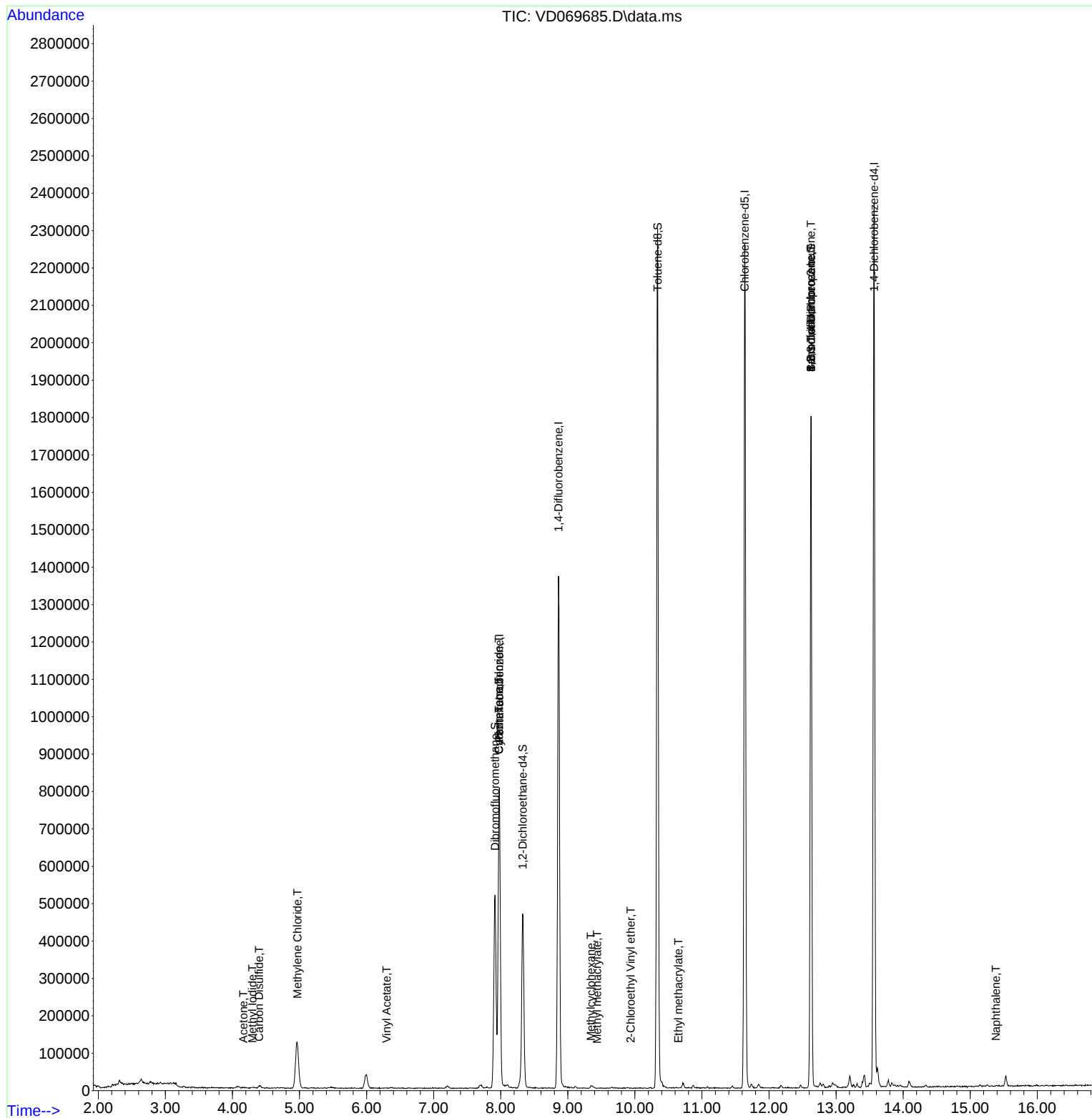
Target Compounds			Qvalue			
5) Bromomethane	2.773	94	4893	Below Cal	#	74
10) Methyl Iodide	4.297	142	2920	2.867	ug/l #	89
16) Acetone	4.162	43	4237	15.734	ug/l #	73
17) Carbon Disulfide	4.397	76	14707	1.111	ug/l #	94
18) Methyl Acetate	4.691	43	210	Below Cal	#	49
20) Methylene Chloride	4.968	84	103005	6.023	ug/l	95
23) Vinyl Acetate	6.297	43	304	15.451	ug/l #	72
31) Cyclohexane	7.973	56	15937	1.732	ug/l #	17
38) Carbon Tetrachloride	7.973	117	60045	5.479	ug/l #	19
39) Methylcyclohexane	9.344	83	2823	2.148	ug/l	87
48) Methyl methacrylate	9.438	41	140	1.134	ug/l #	37
56) Ethyl methacrylate	10.650	69	323	1.704	ug/l #	58
58) 2-Chloroethyl Vinyl ether	9.938	63	219	9.420	ug/l #	49
71) Bromoform	12.626	173	4745	1.052	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	299774	50.295	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	299774	135.166	ug/l #	14
95) Naphthalene	15.385	128	1923	2.300	ug/l #	84

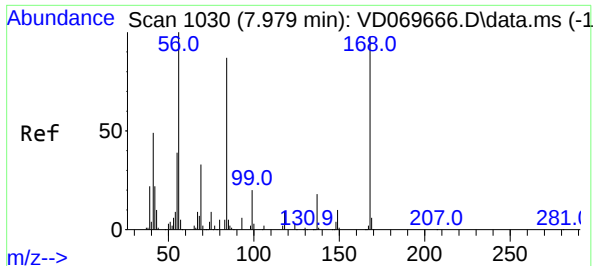
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
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Quant Time: Jul 14 16:29:36 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

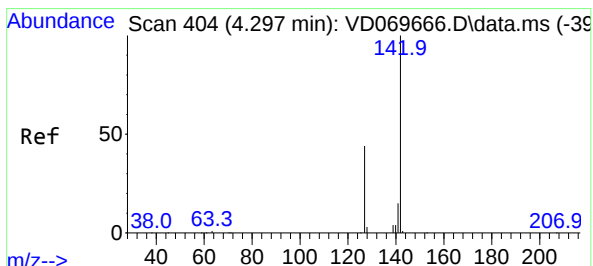
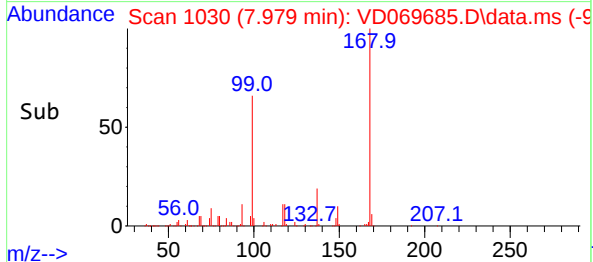
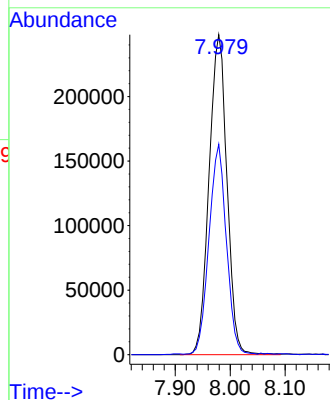
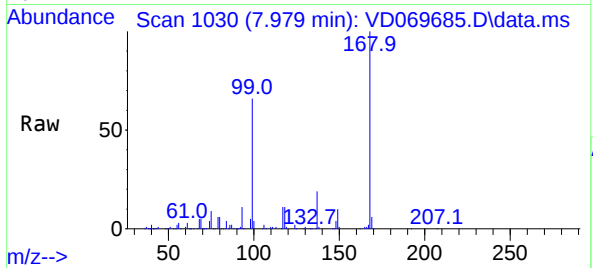




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069685.D
Acq: 14 Jul 2021 11:24

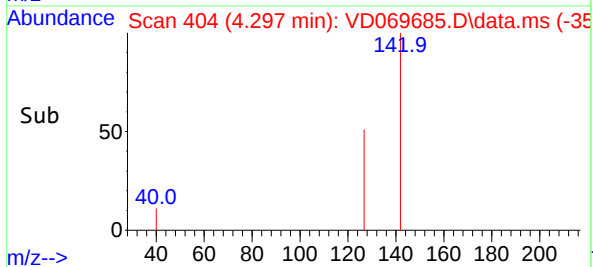
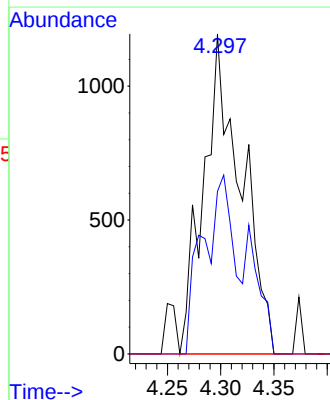
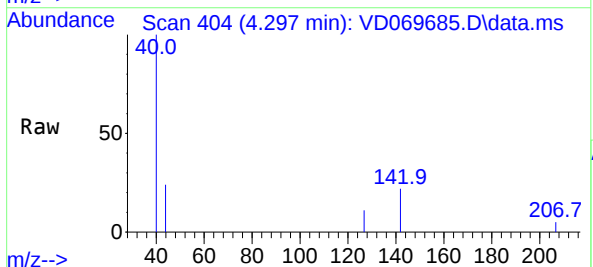
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MSVOA_D
ClientSampleId :

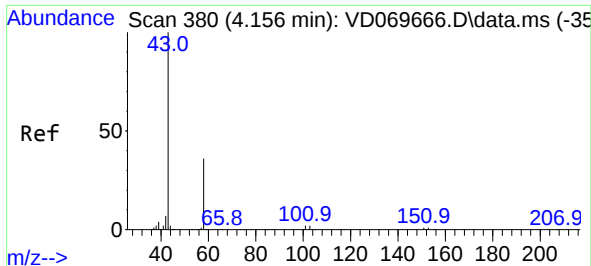
Tgt Ion:168 Resp: 560655
Ion Ratio Lower Upper
168 100
99 65.5 51.8 77.6



#10
Methyl Iodide
Concen: 2.867 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069685.D
Acq: 14 Jul 2021 11:24

Tgt Ion:142 Resp: 2920
Ion Ratio Lower Upper
142 100
127 47.0 36.1 54.1
141 0.0 11.6 17.4#

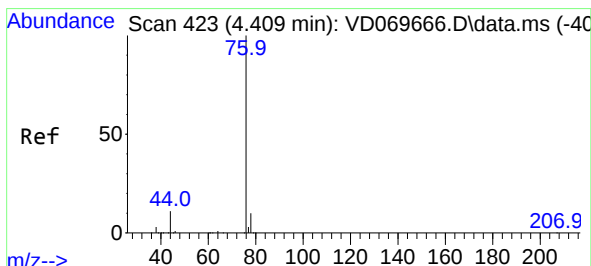
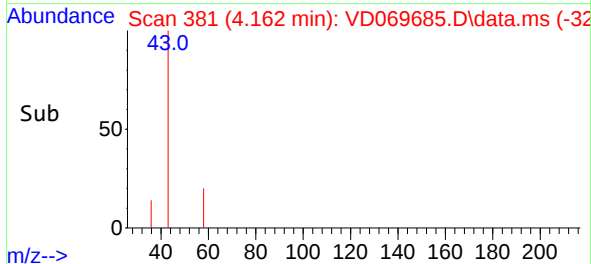
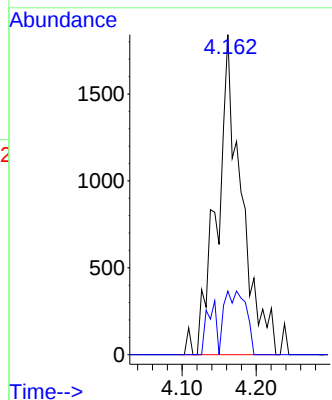
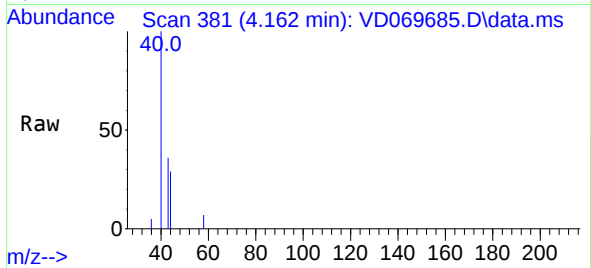




#16
Acetone
Concen: 15.734 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069685.D
Acq: 14 Jul 2021 11:24

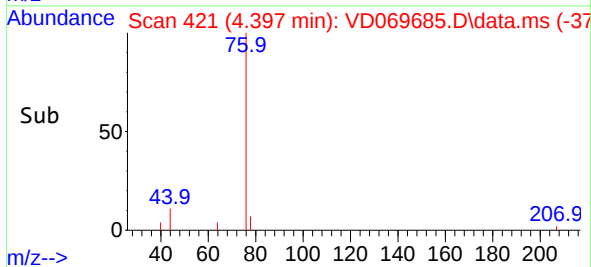
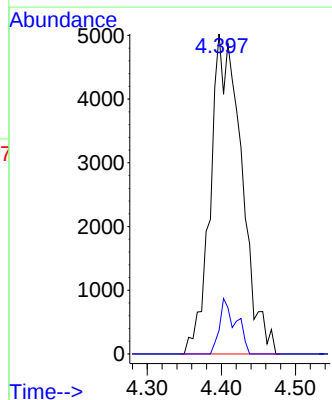
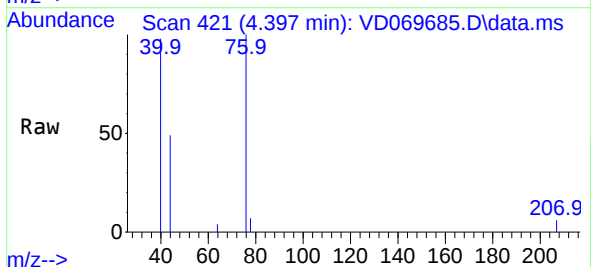
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MSVOA_D
ClientSampleId :

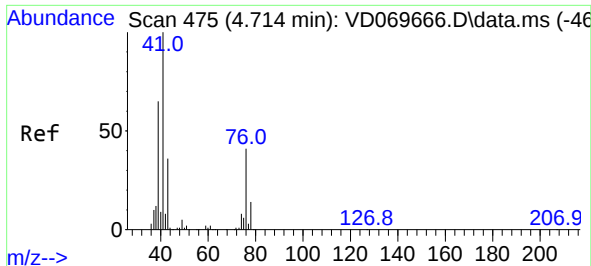
Tgt Ion: 43 Resp: 4237
Ion Ratio Lower Upper
43 100
58 19.9 28.6 42.8#



#17
Carbon Disulfide
Concen: 1.111 ug/l
RT: 4.397 min Scan# 421
Delta R.T. -0.012 min
Lab File: VD069685.D
Acq: 14 Jul 2021 11:24

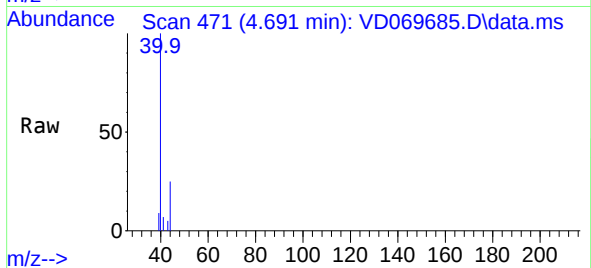
Tgt Ion: 76 Resp: 14707
Ion Ratio Lower Upper
76 100
78 7.4 7.6 11.4#



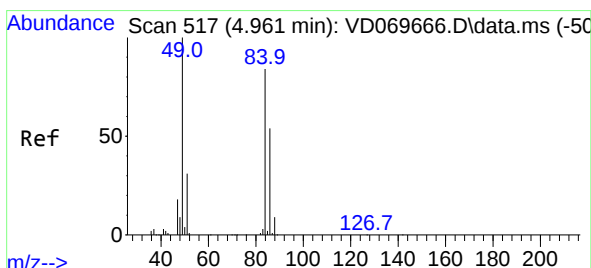
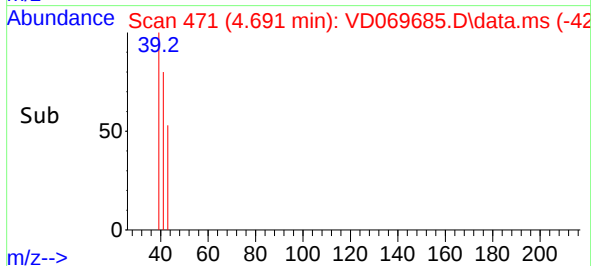
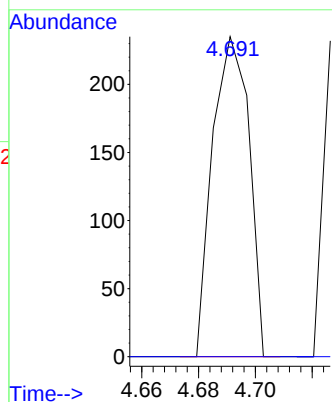


#18
Methyl Acetate
Concen: Below Cal
RT: 4.691 min Scan# 471
Delta R.T. -0.023 min
Lab File: VD069685.D
Acq: 14 Jul 2021 11:24

Instrument :
MSVOA_D
ClientSampled :

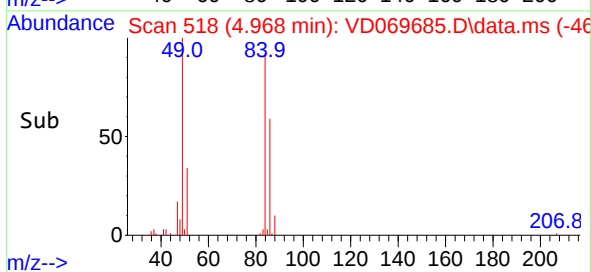
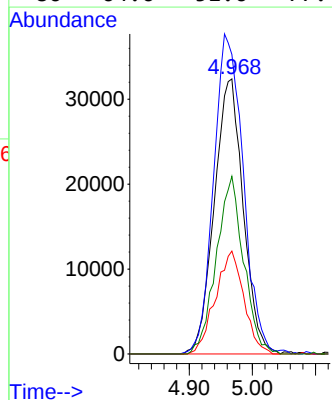
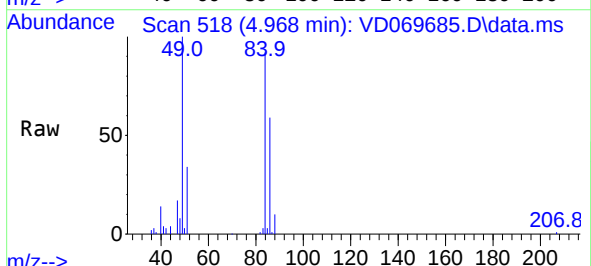


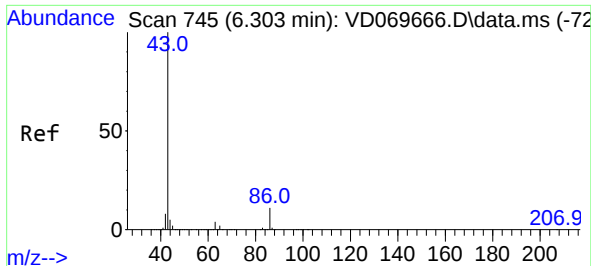
Tgt Ion: 43 Resp: 210
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#20
Methylene Chloride
Concen: 6.023 ug/l
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD069685.D
Acq: 14 Jul 2021 11:24

Tgt Ion: 84 Resp: 103005
Ion Ratio Lower Upper
84 100
49 108.9 95.5 143.3
51 37.4 29.7 44.5
86 64.6 51.6 77.4

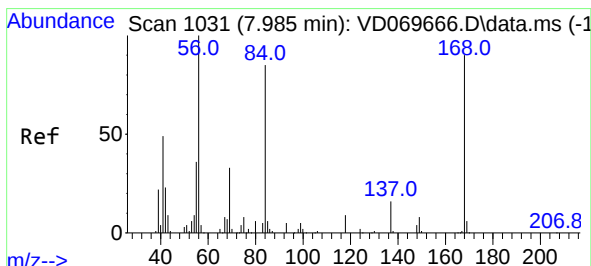
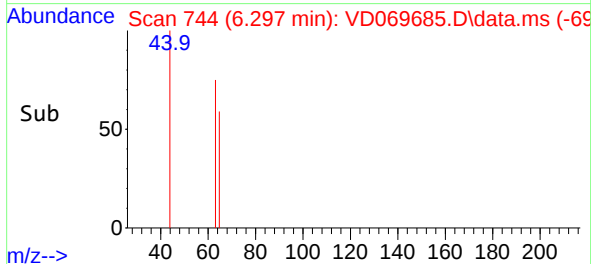
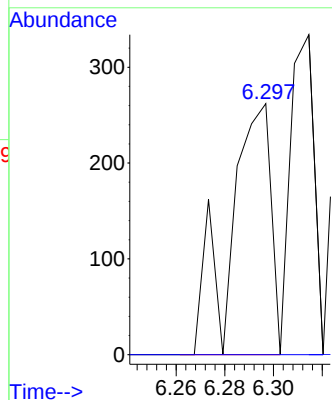
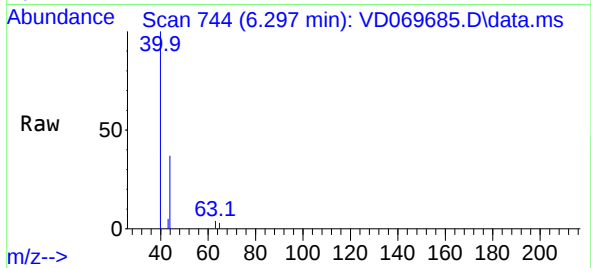




#23
 Vinyl Acetate
 Concen: 15.451 ug/l
 RT: 6.297 min Scan# 744
 Delta R.T. -0.006 min
 Lab File: VD069685.D
 Acq: 14 Jul 2021 11:24

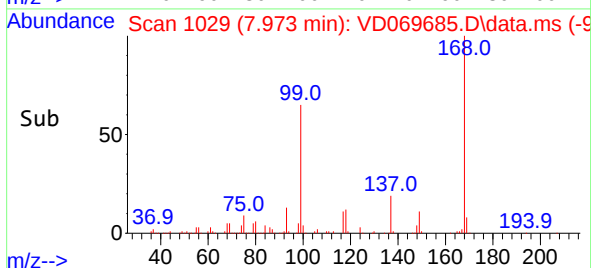
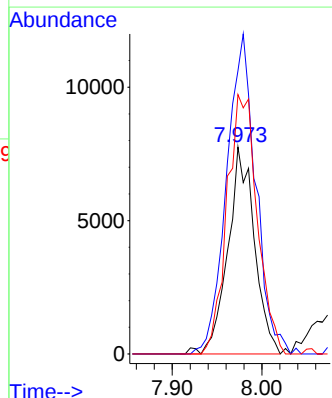
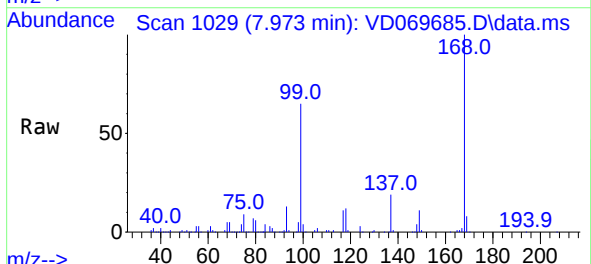
Instrument :
 MSVOA_D
 ClientSampled :

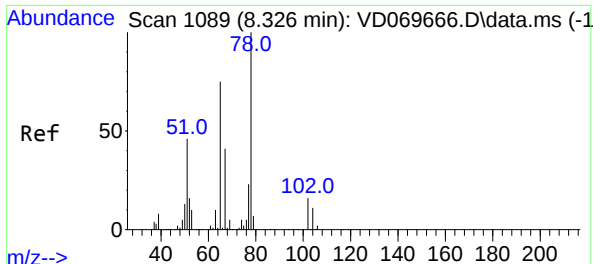
Tgt Ion: 43 Resp: 304
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#31
 Cyclohexane
 Concen: 1.732 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD069685.D
 Acq: 14 Jul 2021 11:24

Tgt Ion: 56 Resp: 15937
 Ion Ratio Lower Upper
 56 100
 69 136.9 26.6 39.8#
 84 125.4 68.2 102.2#

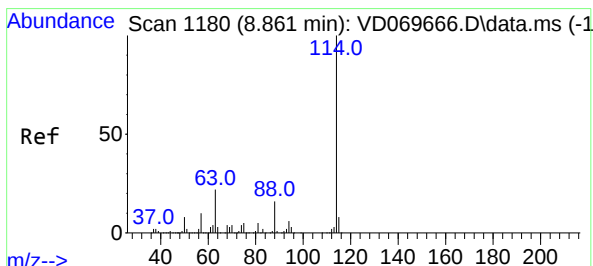
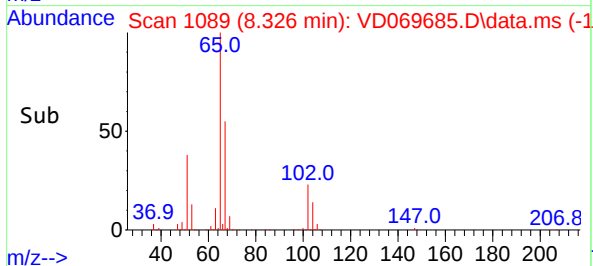
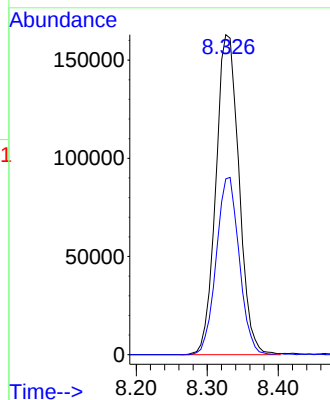
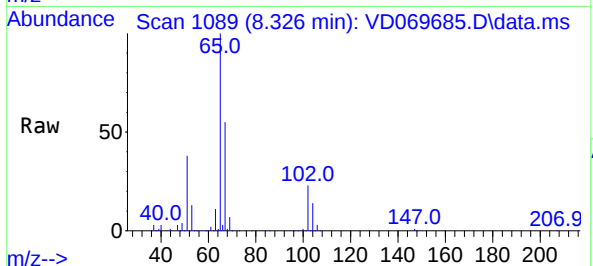




#33
1,2-Dichloroethane-d4
Concen: 52.527 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069685.D
Acq: 14 Jul 2021 11:24

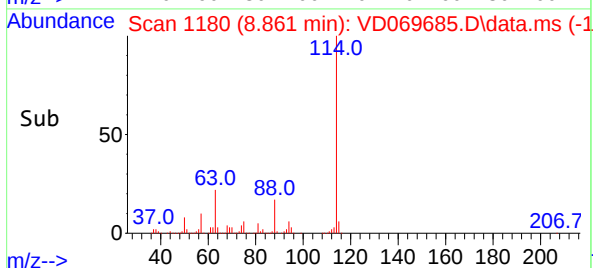
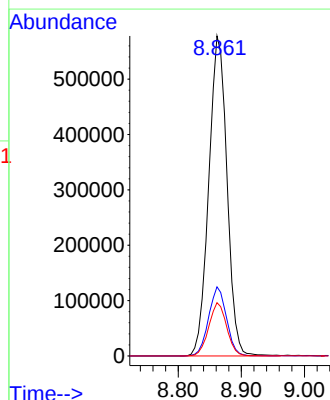
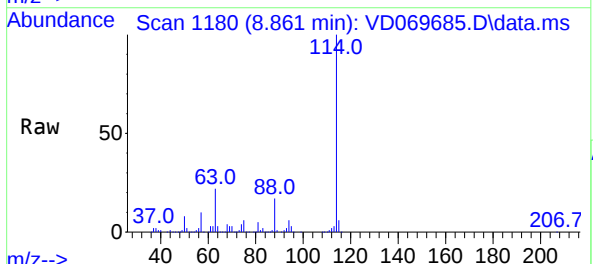
Instrument :
MSVOA_D
ClientSampled :

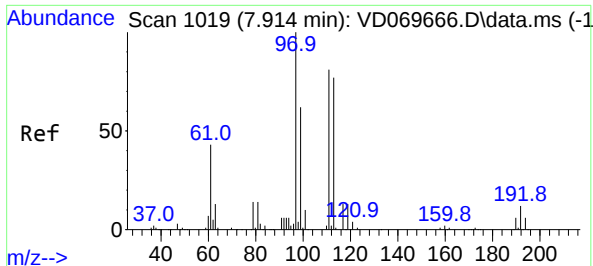
Tgt Ion: 65 Resp: 367713
Ion Ratio Lower Upper
65 100
67 55.0 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069685.D
Acq: 14 Jul 2021 11:24

Tgt Ion:114 Resp: 1160054
Ion Ratio Lower Upper
114 100
63 21.6 0.0 43.4
88 16.7 0.0 32.0

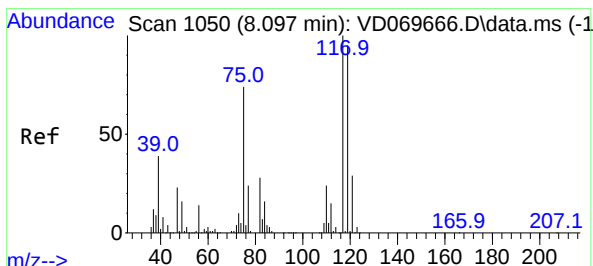
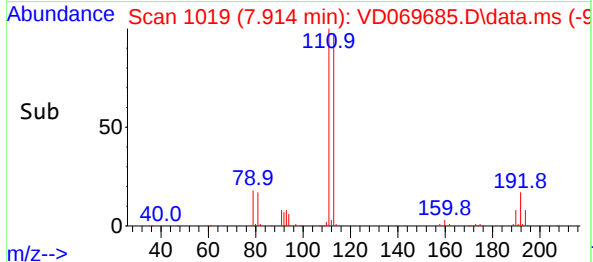
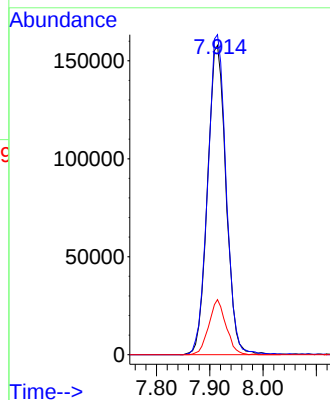
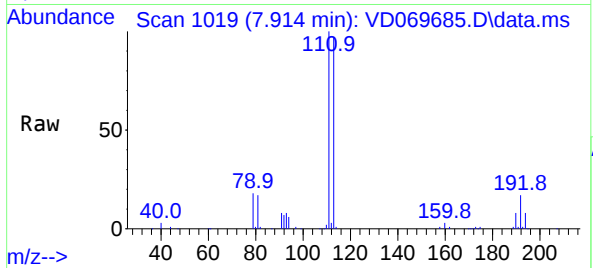




#35
Dibromofluoromethane
Concen: 48.953 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069685.D
Acq: 14 Jul 2021 11:24

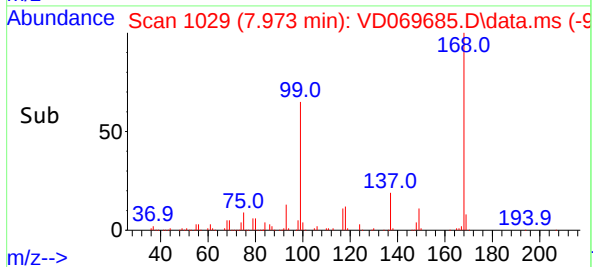
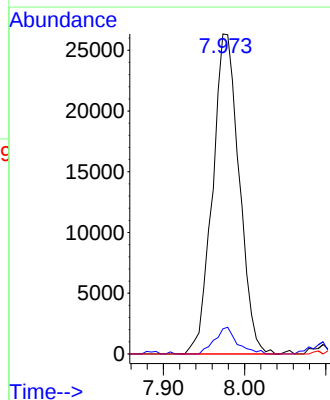
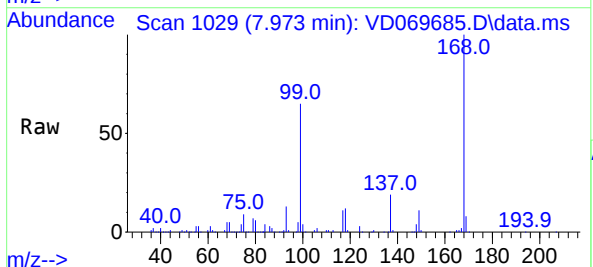
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MSVOA_D
ClientSampled :

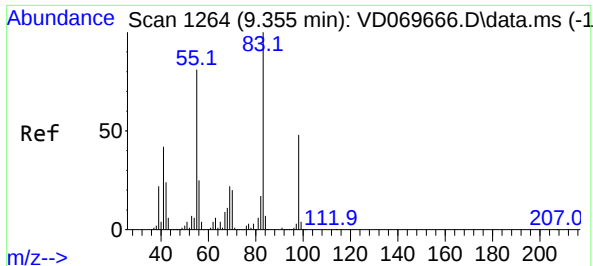
Tgt Ion:113 Resp: 380981
Ion Ratio Lower Upper
113 100
111 102.9 82.6 123.8
192 16.5 12.7 19.1



#38
Carbon Tetrachloride
Concen: 5.479 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069685.D
Acq: 14 Jul 2021 11:24

Tgt Ion:117 Resp: 60045
Ion Ratio Lower Upper
117 100
119 7.8 75.7 113.5#
121 0.0 23.0 34.6#





#39

Methylcyclohexane

Concen: 2.148 ug/l

RT: 9.344 min Scan# 1262

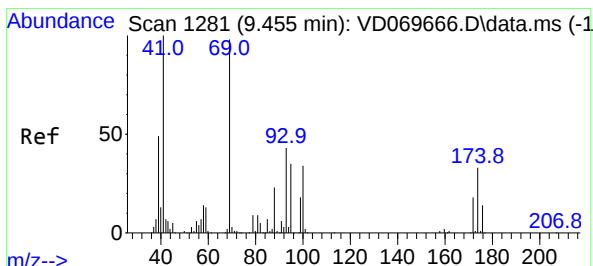
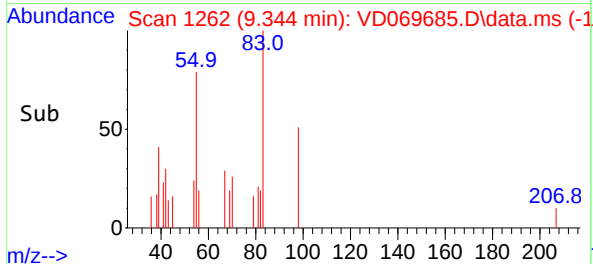
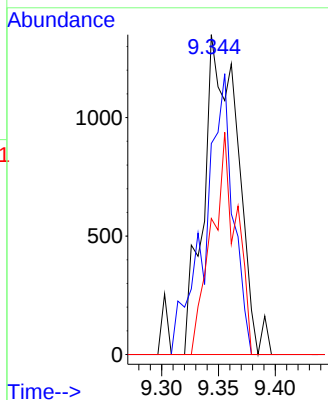
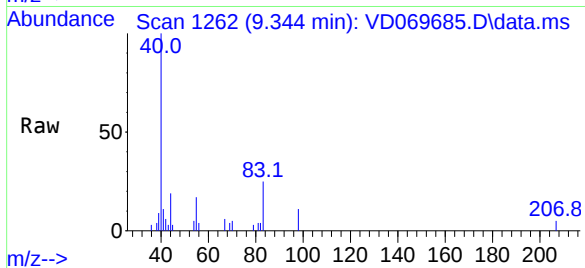
Delta R.T. -0.011 min

Lab File: VD069685.D

Acq: 14 Jul 2021 11:24

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:	83	Resp:	2823
Ion	Ratio	Lower	Upper
83	100		
55	66.0	64.6	97.0
98	42.5	38.4	57.6



#48

Methyl methacrylate

Concen: 1.134 ug/l

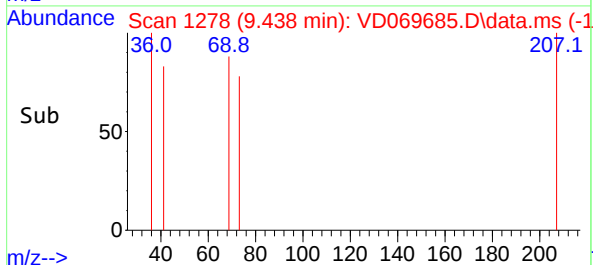
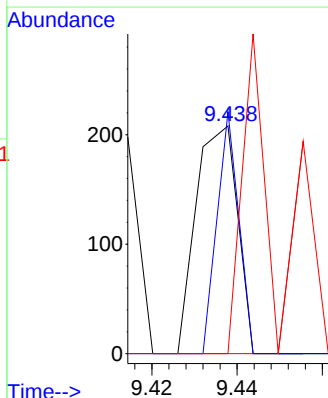
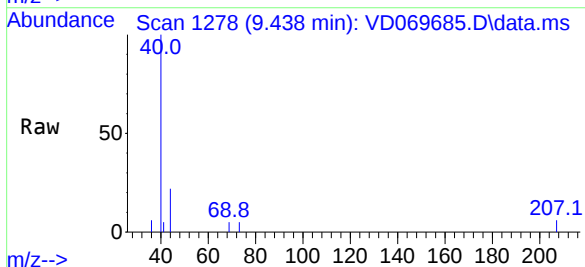
RT: 9.438 min Scan# 1278

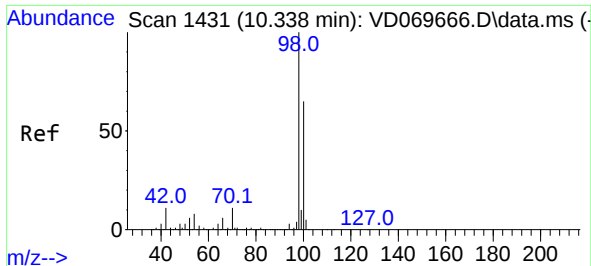
Delta R.T. -0.017 min

Lab File: VD069685.D

Acq: 14 Jul 2021 11:24

Tgt Ion:	41	Resp:	140
Ion	Ratio	Lower	Upper
41	100		
69	55.7	71.6	107.4#
39	122.1	36.7	55.1#

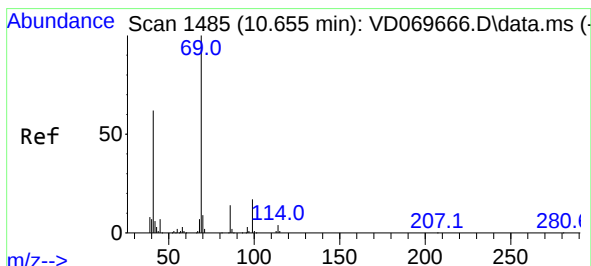
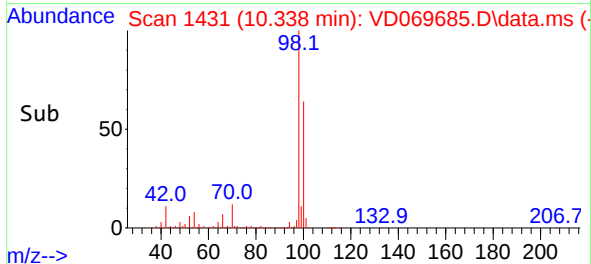
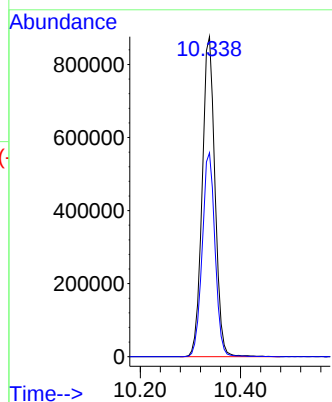
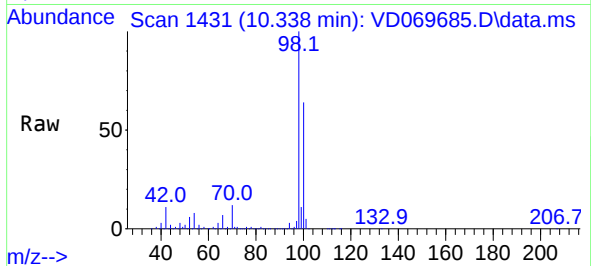




#50
Toluene-d8
Concen: 51.163 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069685.D
Acq: 14 Jul 2021 11:24

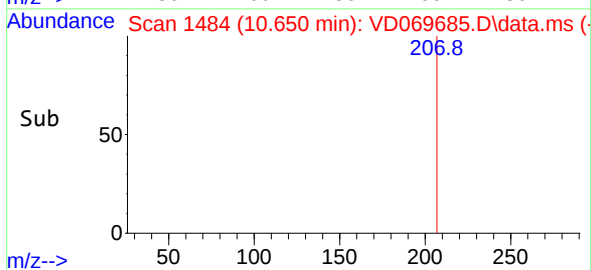
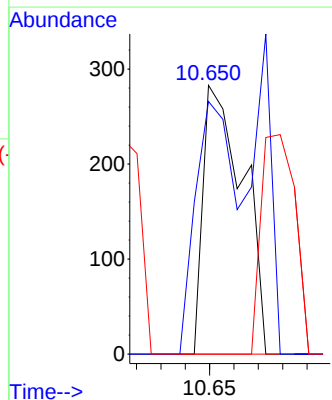
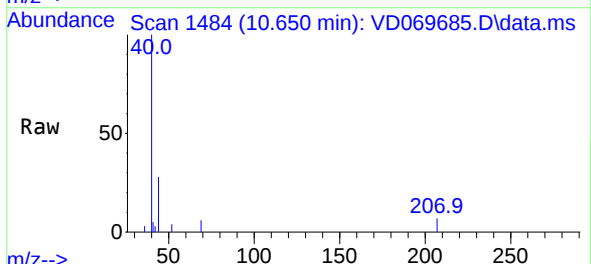
Instrument :
MSVOA_D
ClientSampled :

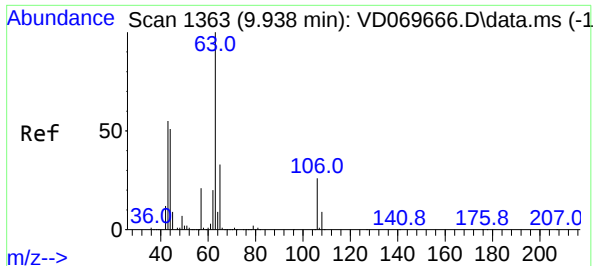
Tgt Ion: 98 Resp: 1546941
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.2



#56
Ethyl methacrylate
Concen: 1.704 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.005 min
Lab File: VD069685.D
Acq: 14 Jul 2021 11:24

Tgt Ion: 69 Resp: 323
Ion Ratio Lower Upper
69 100
41 90.1 49.5 74.3#
39 0.0 22.5 33.7#

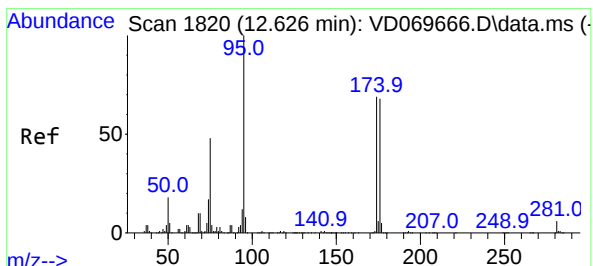
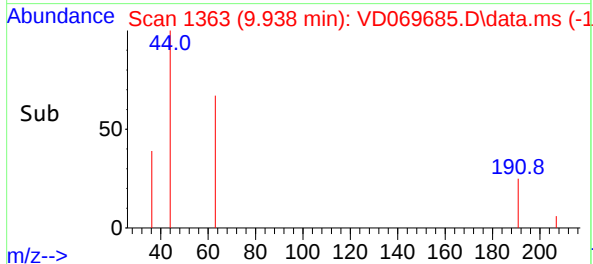
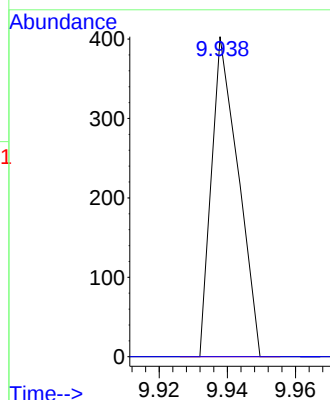
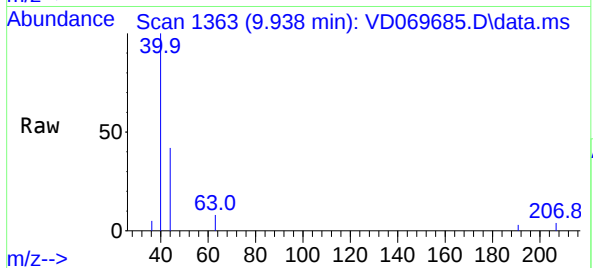




#58
2-Chloroethyl Vinyl ether
Concen: 9.420 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069685.D
Acq: 14 Jul 2021 11:24

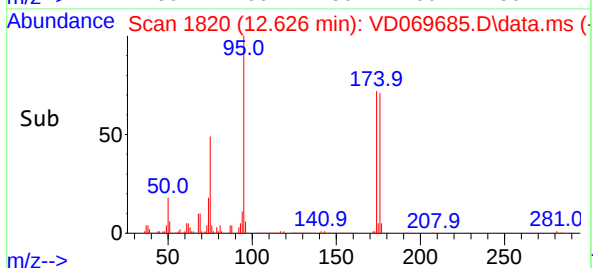
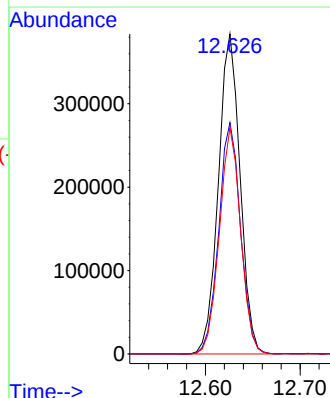
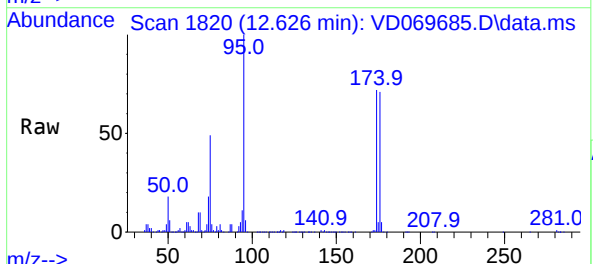
Instrument :
MSVOA_D
ClientSampled :

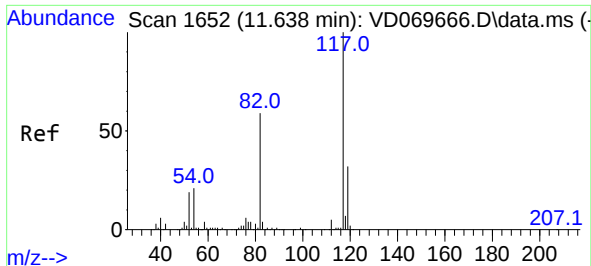
Tgt Ion: 63 Resp: 219
Ion Ratio Lower Upper
63 100
106 0.0 21.1 31.7#



#62
4-Bromofluorobenzene
Concen: 60.607 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069685.D
Acq: 14 Jul 2021 11:24

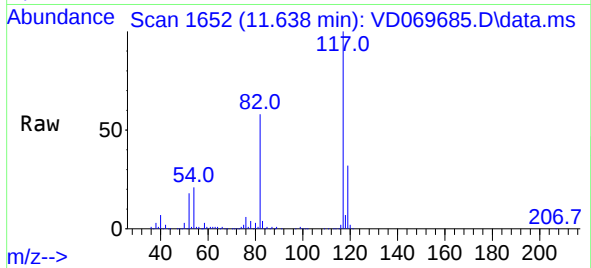
Tgt Ion: 95 Resp: 611147
Ion Ratio Lower Upper
95 100
174 72.7 0.0 140.0
176 69.1 0.0 136.2



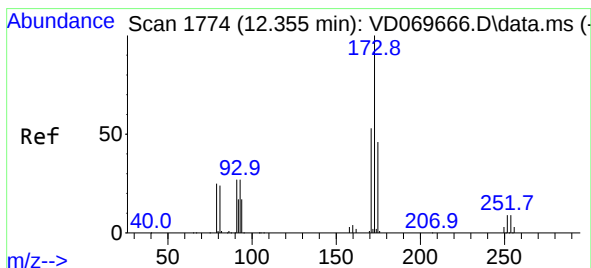
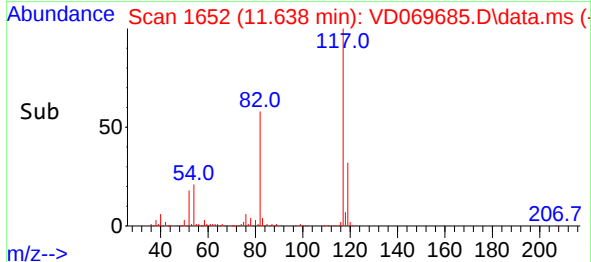
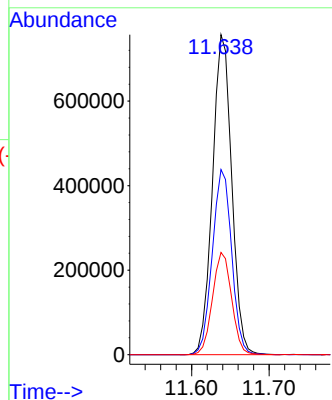


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069685.D
Acq: 14 Jul 2021 11:24

Instrument :
MSVOA_D
ClientSampleId :

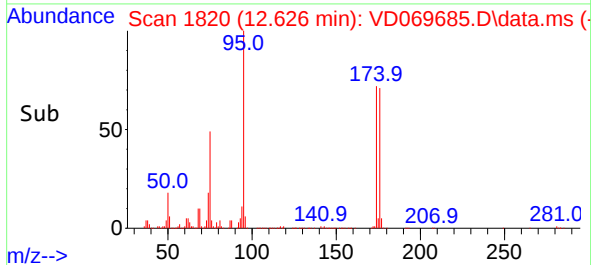
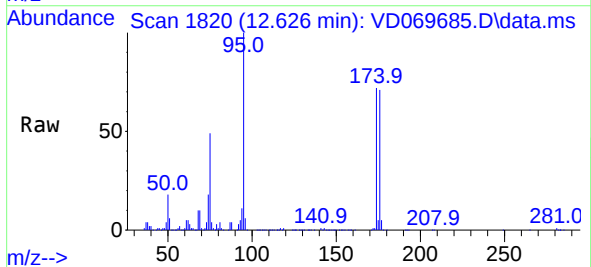
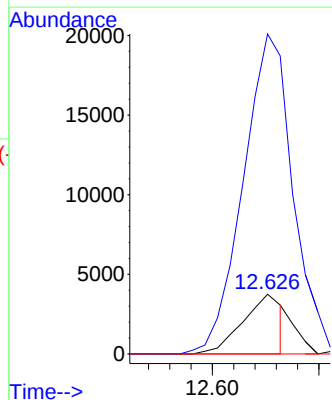


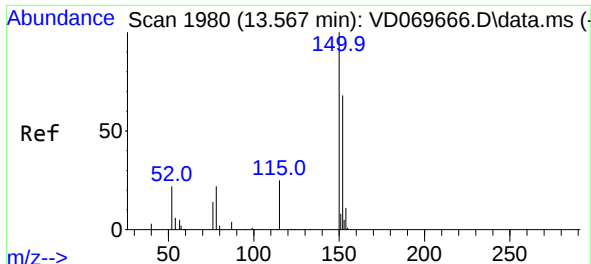
Tgt Ion:117 Resp: 1303791
Ion Ratio Lower Upper
117 100
82 57.9 47.4 71.2
119 32.0 25.5 38.3



#71
Bromoform
Concen: 1.052 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069685.D
Acq: 14 Jul 2021 11:24

Tgt Ion:173 Resp: 4745
Ion Ratio Lower Upper
173 100
175 551.9 24.2 72.6#
254 0.0 0.1 0.1#

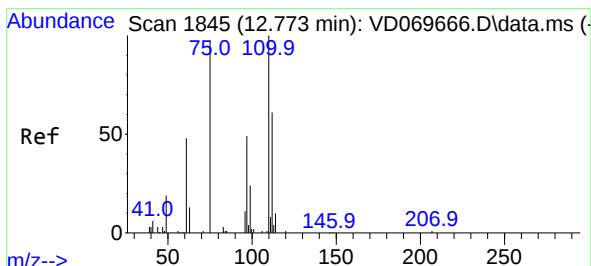
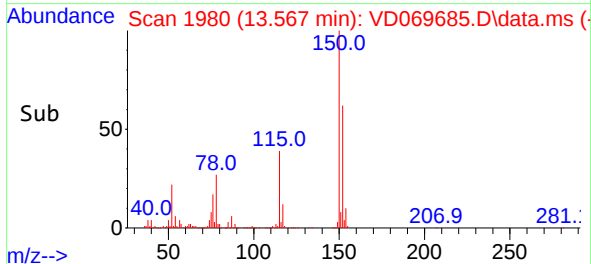
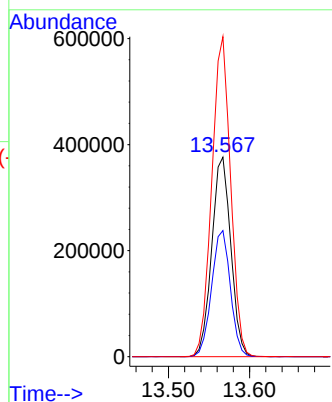
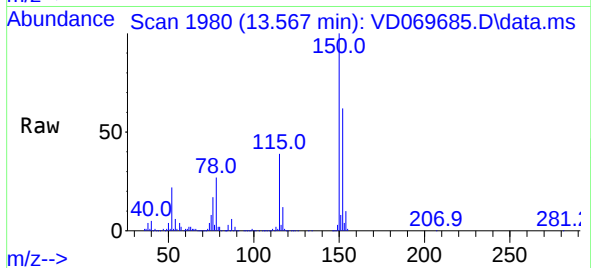




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069685.D
Acq: 14 Jul 2021 11:24

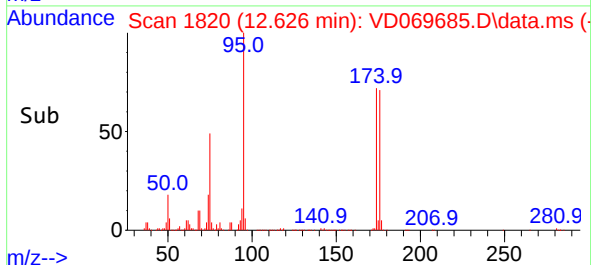
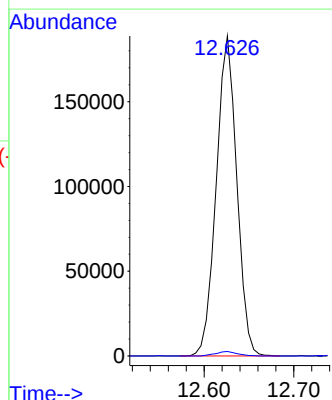
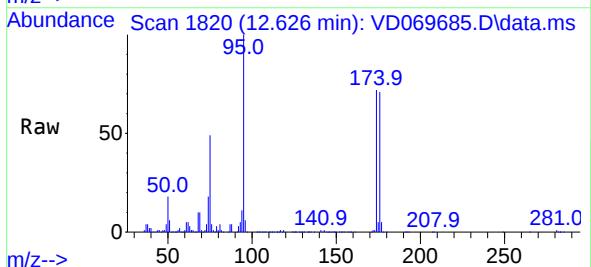
Instrument :
MSVOA_D
ClientSampled :

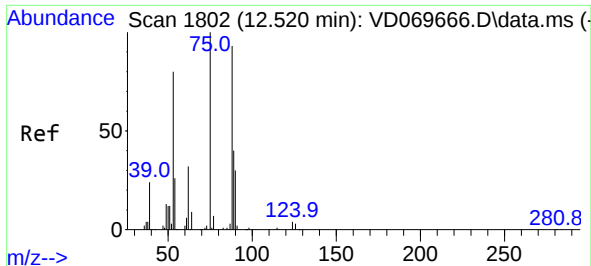
Tgt Ion:152 Resp: 613531
Ion Ratio Lower Upper
152 100
115 62.4 31.7 95.1
150 158.3 0.0 350.4



#76
1,2,3-Trichloropropane
Concen: 50.295 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069685.D
Acq: 14 Jul 2021 11:24

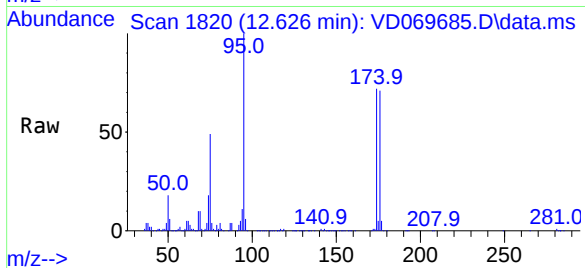
Tgt Ion: 75 Resp: 299774
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



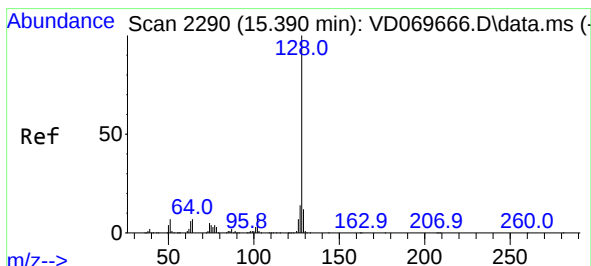
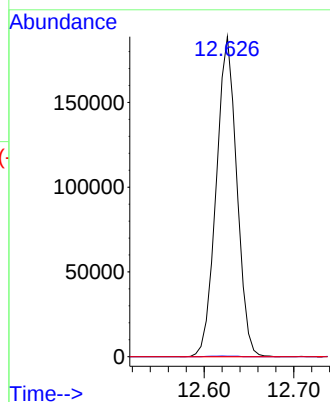
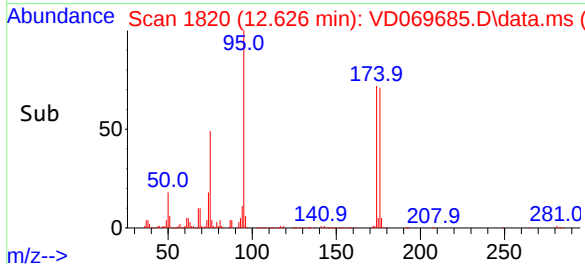


#81
trans-1,4-Dichloro-2-butene
Concen: 135.166 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069685.D
Acq: 14 Jul 2021 11:24

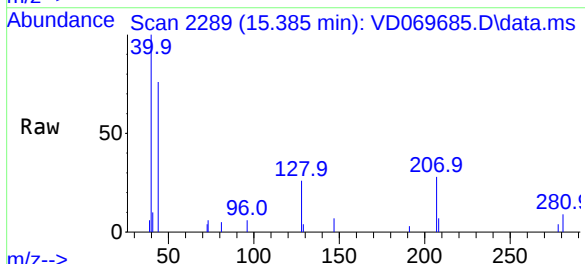
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 299774
Ion Ratio Lower Upper
75 100
53 0.2 70.6 106.0#
89 0.0 35.1 52.7#



#95
Naphthalene
Concen: 2.300 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069685.D
Acq: 14 Jul 2021 11:24



Tgt Ion: 128 Resp: 1923
Ion Ratio Lower Upper
128 100
127 3.1 10.6 16.0#
129 9.4 8.8 13.2

