

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071521\
 Data File : VD069705.D
 Acq On : 15 Jul 2021 14:05
 Operator : VA/SY
 Sample : M3014-01
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 15 15:52:29 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)

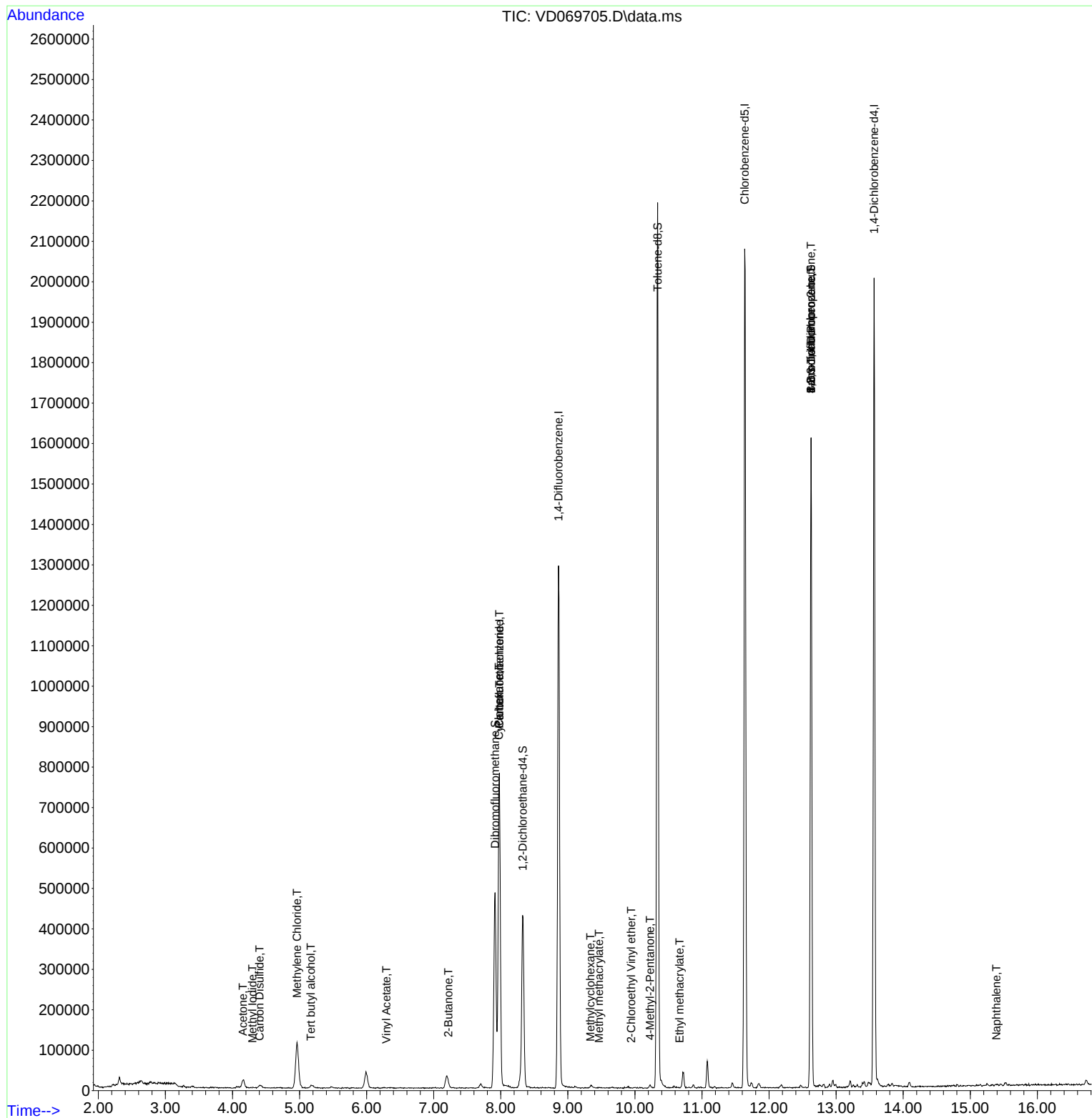
Internal Standards						
1) Pentafluorobenzene	7.979	168	544497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1103748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	1206818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	506056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	336512	49.496	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.000%
35) Dibromofluoromethane	7.914	113	356119	48.093	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.180%
50) Toluene-d8	10.337	98	1443482	50.177	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.360%
62) 4-Bromofluorobenzene	12.626	95	549808	57.305	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	114.620%
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	4286	Below Cal		91
10) Methyl Iodide	4.297	142	2364	2.801 ug/l	#	88
11) Tert butyl alcohol	5.167	59	6472	7.125 ug/l	#	82
16) Acetone	4.155	43	36702	36.445 ug/l	#	85
17) Carbon Disulfide	4.402	76	12668	1.035 ug/l	#	93
18) Methyl Acetate	4.732	43	407	Below Cal	#	49
20) Methylene Chloride	4.961	84	89466	4.866 ug/l		97
23) Vinyl Acetate	6.297	43	161	15.439 ug/l	#	72
25) 2-Butanone	7.220	43	7875	4.901 ug/l	#	85
31) Cyclohexane	7.973	56	16229	1.796 ug/l	#	1
38) Carbon Tetrachloride	7.979	117	59943	5.749 ug/l	#	17
39) Methylcyclohexane	9.338	83	2501	2.135 ug/l	#	81
48) Methyl methacrylate	9.467	41	68	1.119 ug/l	#	13
51) 4-Methyl-2-Pentanone	10.226	43	4931	1.207 ug/l	#	84
56) Ethyl methacrylate	10.667	69	158	1.685 ug/l	#	27
58) 2-Chloroethyl Vinyl ether	9.943	63	67	9.379 ug/l	#	49
71) Bromoform	12.626	173	4408	1.056 ug/l	#	1
76) 1,2,3-Trichloropropane	12.626	75	269494	54.818 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.626	75	269494	147.320 ug/l	#	14
95) Naphthalene	15.390	128	1654	2.304 ug/l	#	86

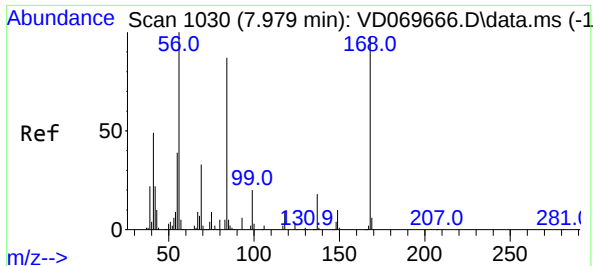
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 14 06:00:31 2021
Response via : Initial Calibration

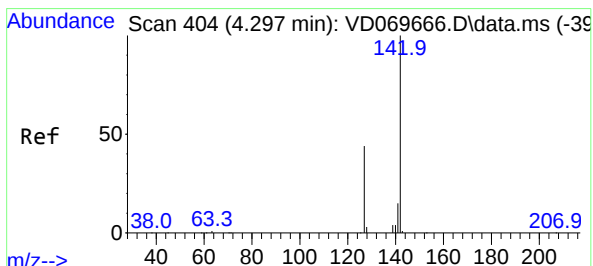
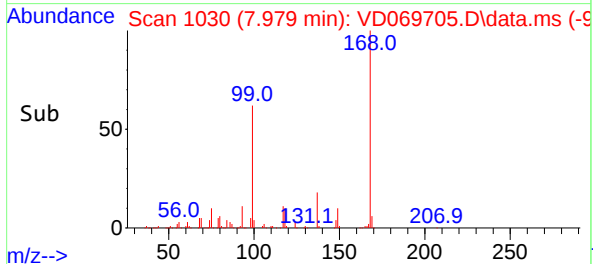
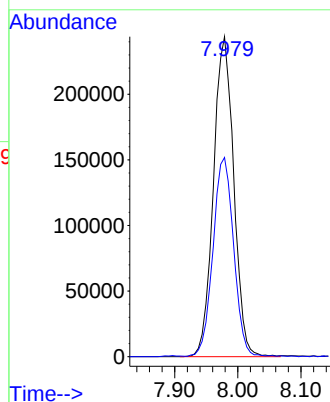
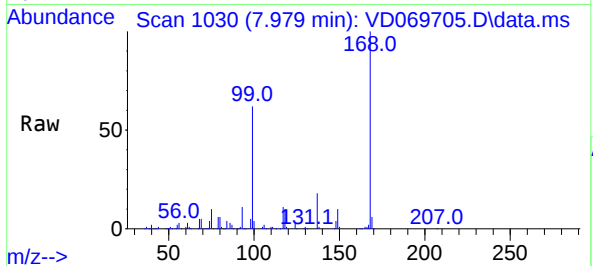




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069705.D
Acq: 15 Jul 2021 14:05

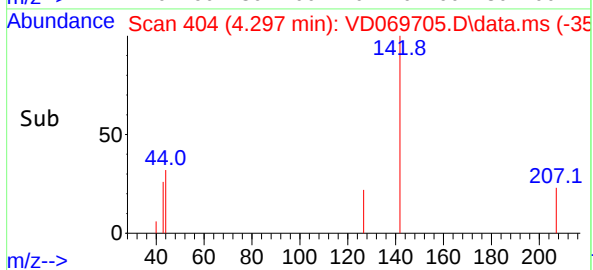
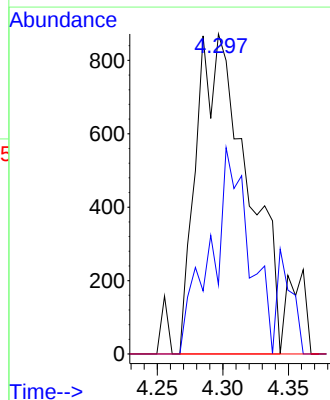
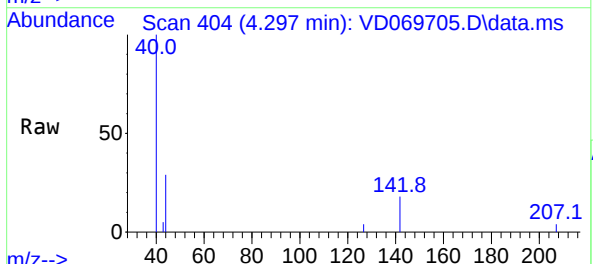
Instrument :
MSVOA_D
ClientSampled :

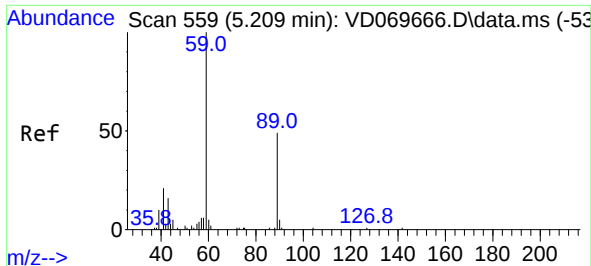
Tgt Ion:168 Resp: 544497
Ion Ratio Lower Upper
168 100
99 62.1 51.8 77.6



#10
Methyl Iodide
Concen: 2.801 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069705.D
Acq: 15 Jul 2021 14:05

Tgt Ion:142 Resp: 2364
Ion Ratio Lower Upper
142 100
127 48.4 36.1 54.1
141 0.0 11.6 17.4#



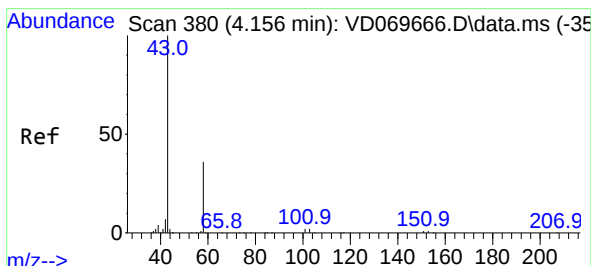
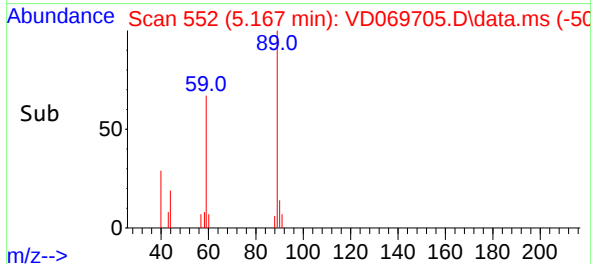
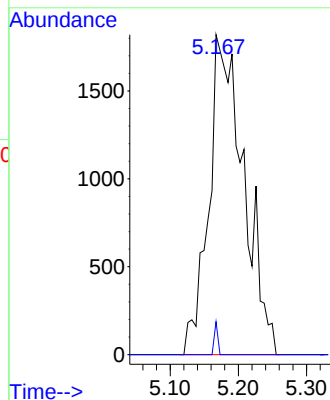
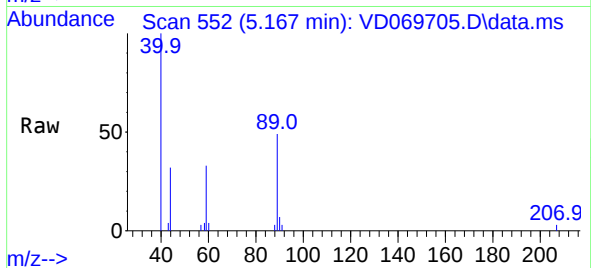


#11

Tert butyl alcohol
Concen: 7.125 ug/l
RT: 5.167 min Scan# 552
Delta R.T. -0.042 min
Lab File: VD069705.D
Acq: 15 Jul 2021 14:05

Instrument :
MSVOA_D
ClientSampled :

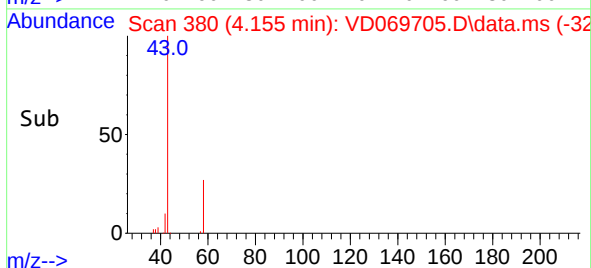
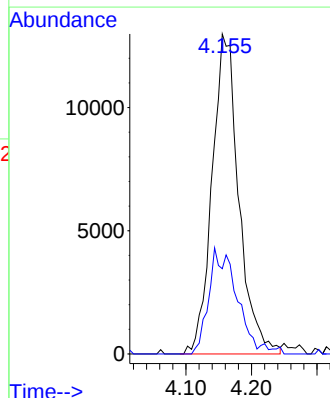
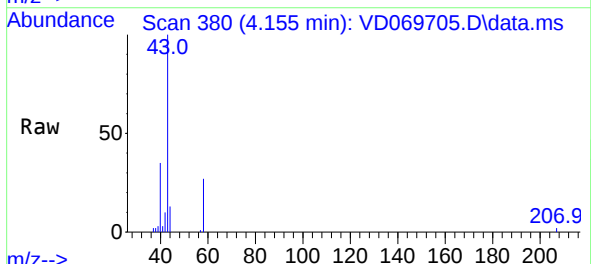
Tgt Ion: 59 Resp: 6472
Ion Ratio Lower Upper
59 100
57 1.0 5.7 8.5#

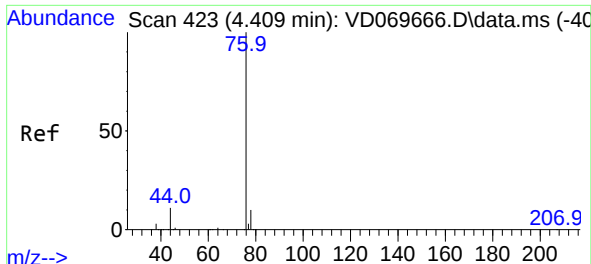


#16

Acetone
Concen: 36.445 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.001 min
Lab File: VD069705.D
Acq: 15 Jul 2021 14:05

Tgt Ion: 43 Resp: 36702
Ion Ratio Lower Upper
43 100
58 26.6 28.6 42.8#

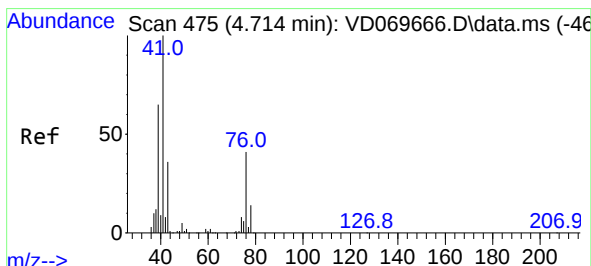
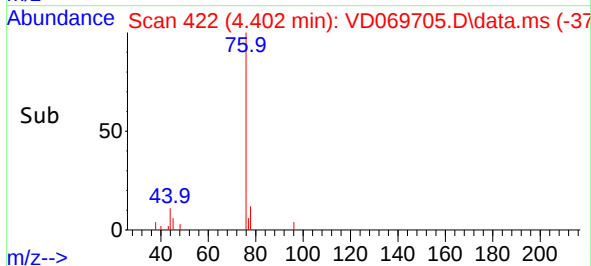
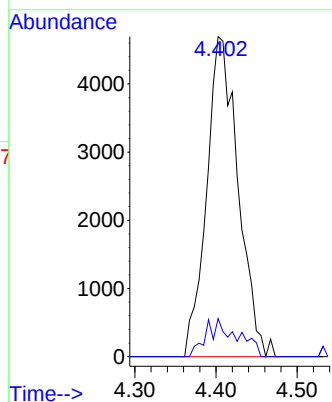
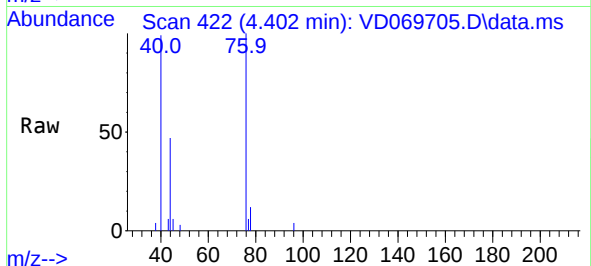




#17
Carbon Disulfide
Concen: 1.035 ug/l
RT: 4.402 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD069705.D
Acq: 15 Jul 2021 14:05

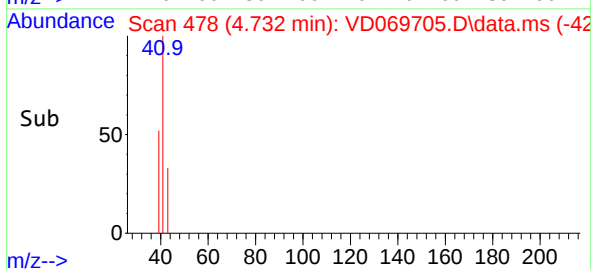
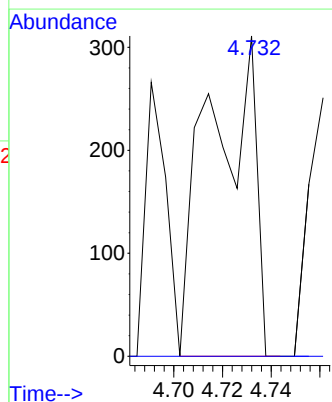
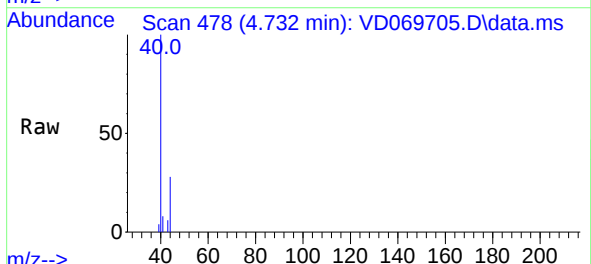
Instrument :
MSVOA_D
ClientSampled :

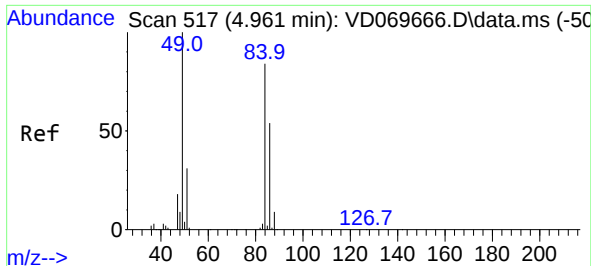
Tgt Ion: 76 Resp: 12668
Ion Ratio Lower Upper
76 100
78 11.9 7.6 11.4#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.018 min
Lab File: VD069705.D
Acq: 15 Jul 2021 14:05

Tgt Ion: 43 Resp: 407
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#

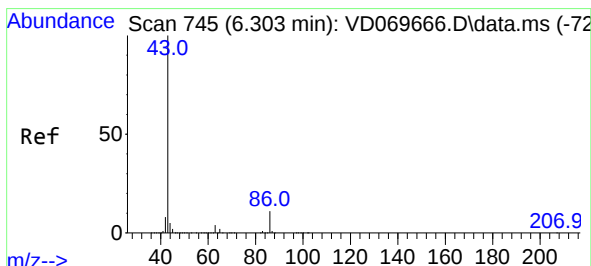
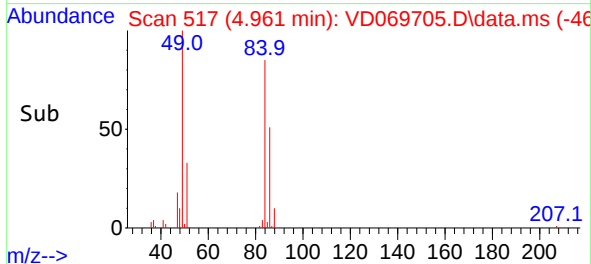
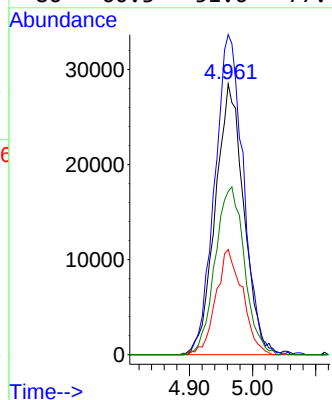
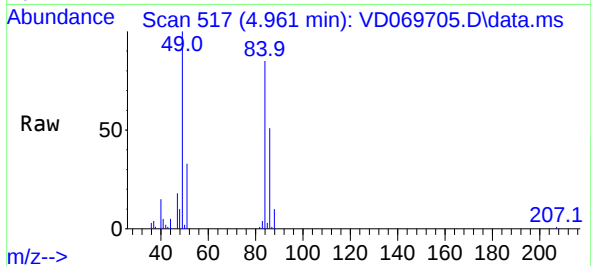




#20
Methylene Chloride
Concen: 4.866 ug/l
RT: 4.961 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD069705.D
Acq: 15 Jul 2021 14:05

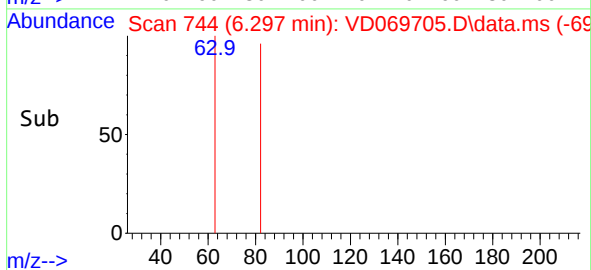
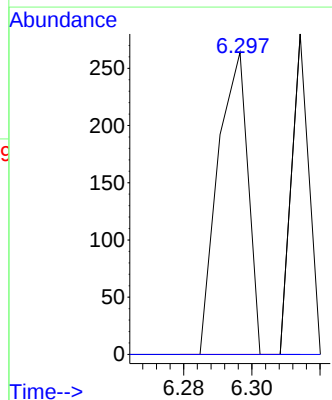
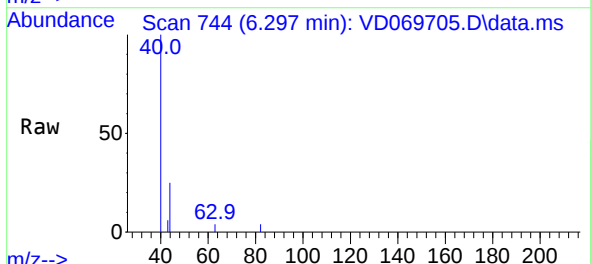
Instrument :
MSVOA_D
ClientSampled :

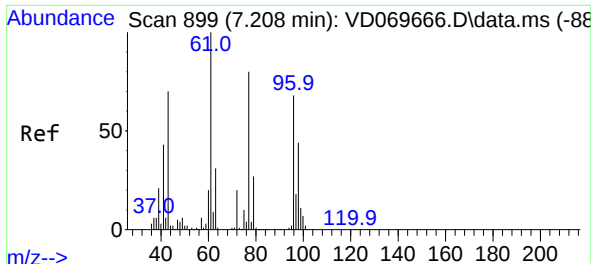
Tgt Ion:	84	Resp:	89466
Ion	Ratio	Lower	Upper
84	100		
49	118.2	95.5	143.3
51	38.9	29.7	44.5
86	60.3	51.6	77.4



#23
Vinyl Acetate
Concen: 15.439 ug/l
RT: 6.297 min Scan# 744
Delta R.T. -0.006 min
Lab File: VD069705.D
Acq: 15 Jul 2021 14:05

Tgt Ion:	43	Resp:	161
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	12.8#

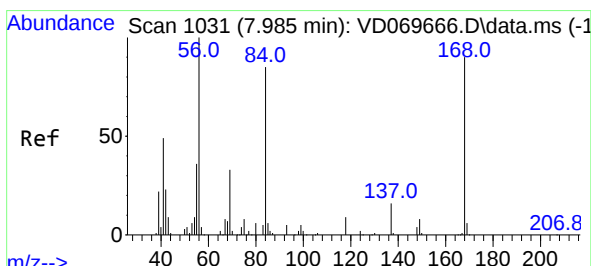
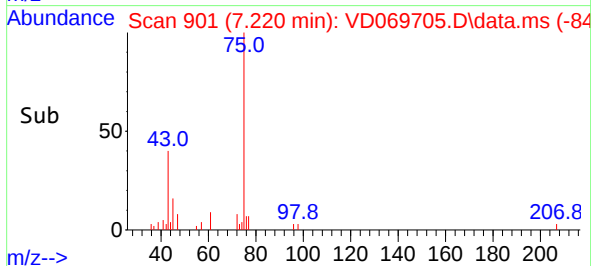
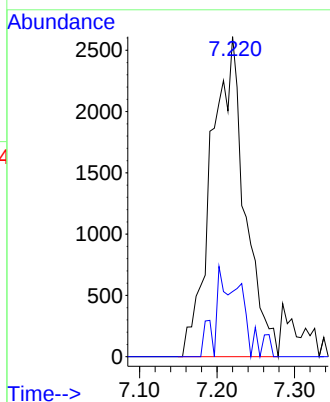
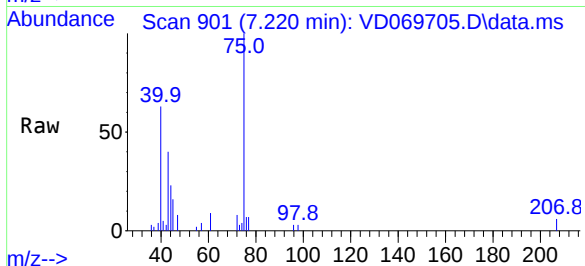




#25
2-Butanone
Concen: 4.901 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD069705.D
Acq: 15 Jul 2021 14:05

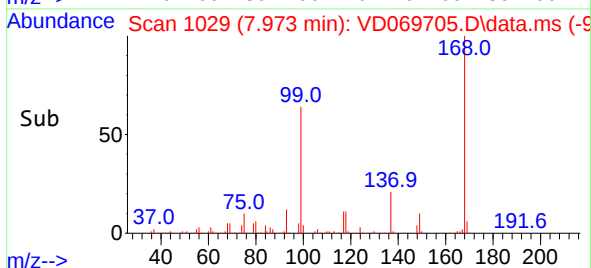
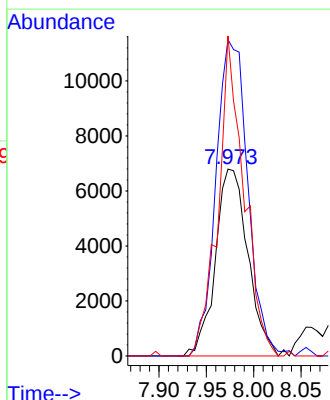
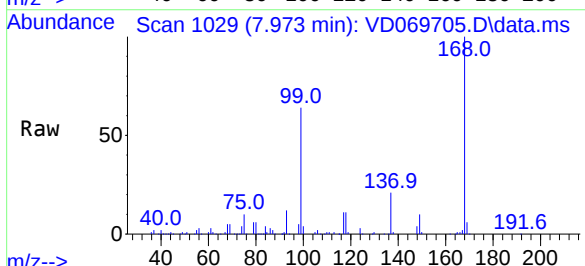
Instrument :
MSVOA_D
ClientSampled :

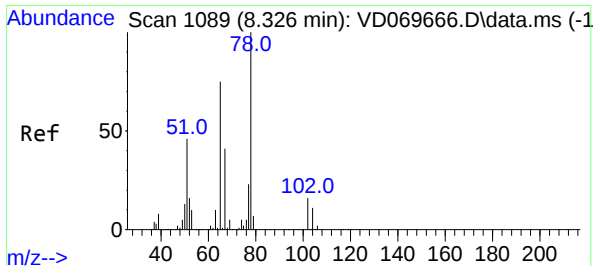
Tgt Ion: 43 Resp: 7875
Ion Ratio Lower Upper
43 100
72 20.4 22.6 33.8#



#31
Cyclohexane
Concen: 1.796 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069705.D
Acq: 15 Jul 2021 14:05

Tgt Ion: 56 Resp: 16229
Ion Ratio Lower Upper
56 100
69 169.3 26.6 39.8#
84 171.2 68.2 102.2#



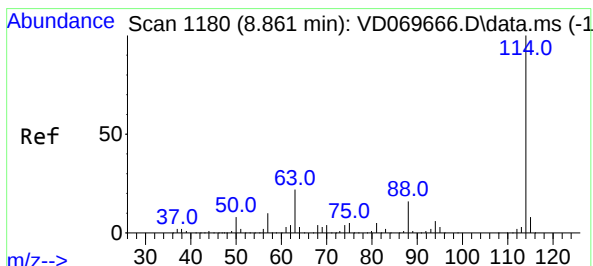
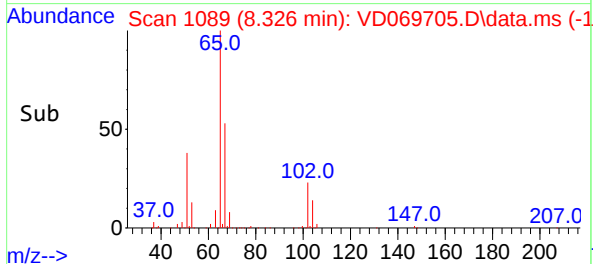
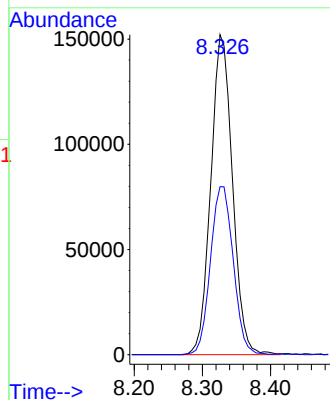
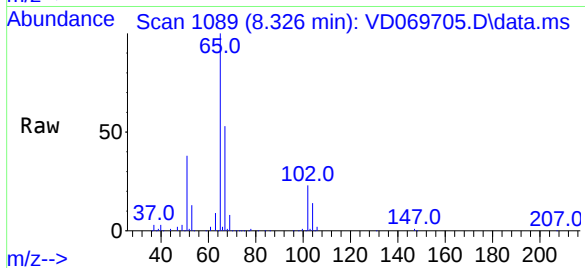


#33

1,2-Dichloroethane-d4
Concen: 49.496 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069705.D
Acq: 15 Jul 2021 14:05

Instrument :
MSVOA_D
ClientSampleId :

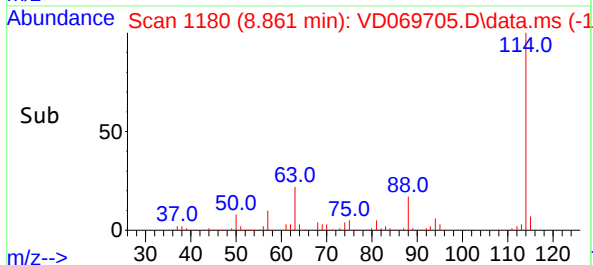
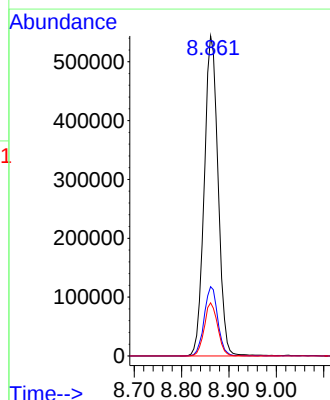
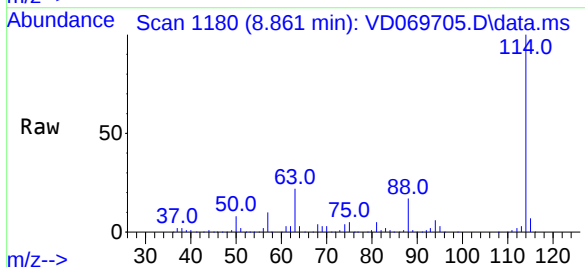
Tgt Ion: 65 Resp: 336512
Ion Ratio Lower Upper
65 100
67 55.3 0.0 107.2

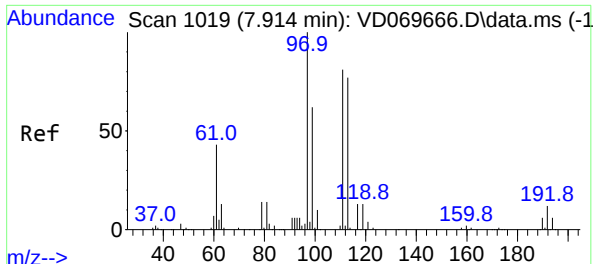


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069705.D
Acq: 15 Jul 2021 14:05

Tgt Ion: 114 Resp: 1103748
Ion Ratio Lower Upper
114 100
63 21.6 0.0 43.4
88 16.6 0.0 32.0

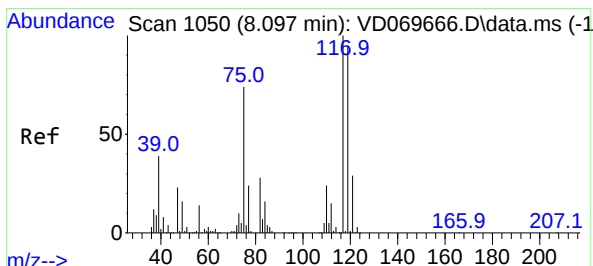
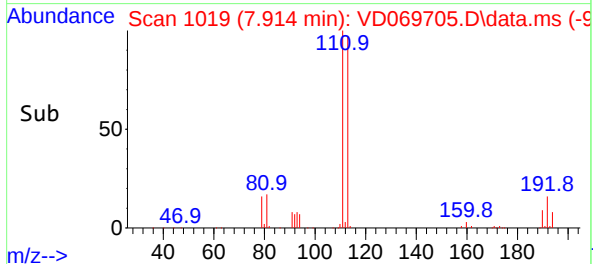
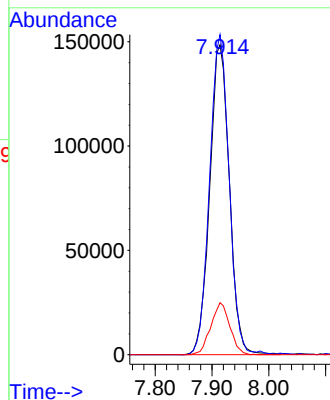
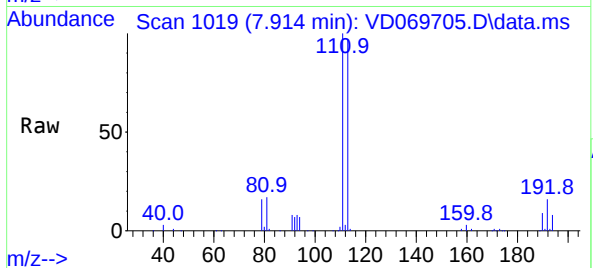




#35
Dibromofluoromethane
Concen: 48.093 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069705.D
Acq: 15 Jul 2021 14:05

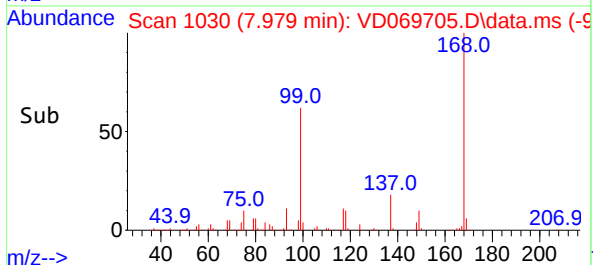
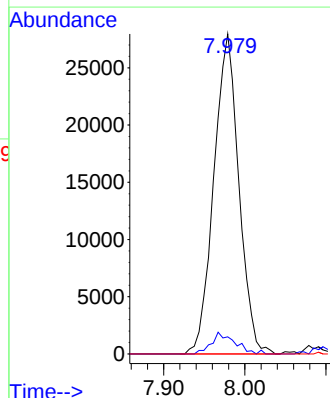
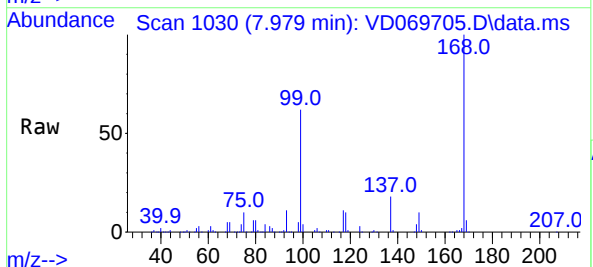
Instrument :
MSVOA_D
ClientSampled :

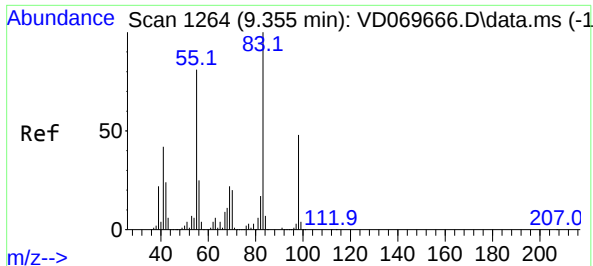
Tgt Ion:113 Resp: 356119
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 16.2 12.7 19.1



#38
Carbon Tetrachloride
Concen: 5.749 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069705.D
Acq: 15 Jul 2021 14:05

Tgt Ion:117 Resp: 59943
Ion Ratio Lower Upper
117 100
119 5.4 75.7 113.5#
121 0.0 23.0 34.6#





#39

Methylcyclohexane

Concen: 2.135 ug/l

RT: 9.338 min Scan# 1261

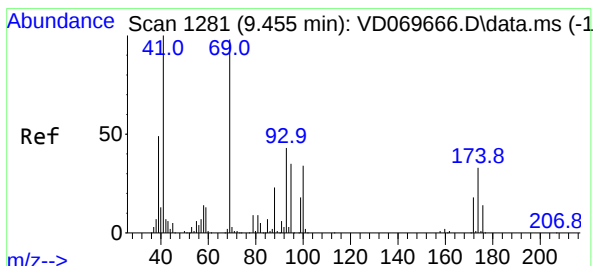
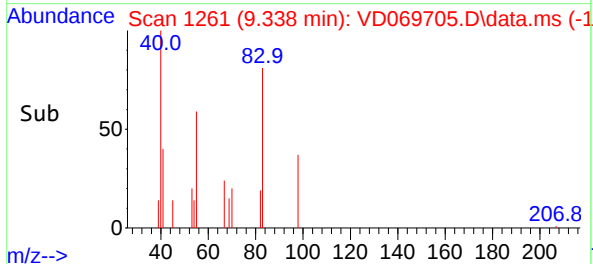
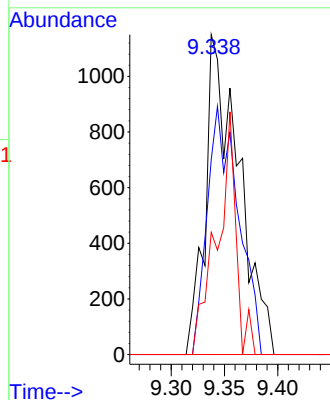
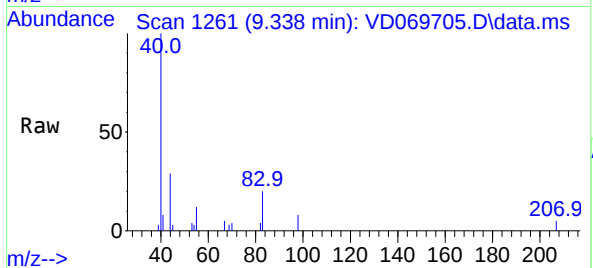
Delta R.T. -0.017 min

Lab File: VD069705.D

Acq: 15 Jul 2021 14:05

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 83	Resp: 2501
Ion Ratio	Lower Upper
83 100	
55 61.0	64.6 97.0#
98 38.2	38.4 57.6#



#48

Methyl methacrylate

Concen: 1.119 ug/l

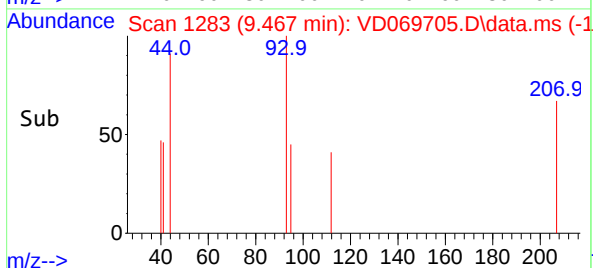
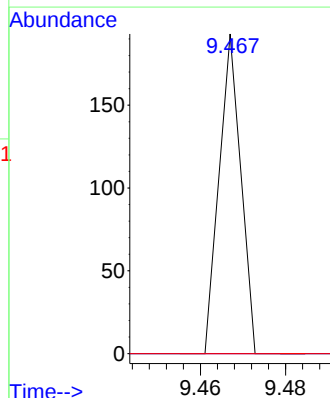
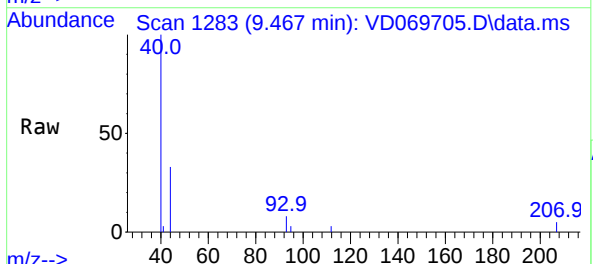
RT: 9.467 min Scan# 1283

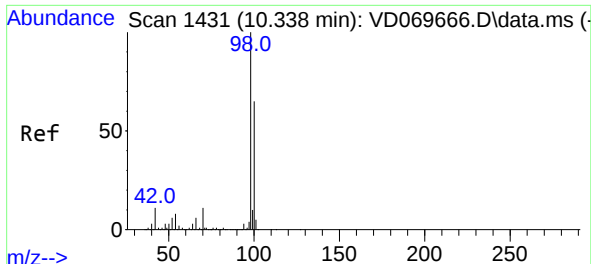
Delta R.T. 0.012 min

Lab File: VD069705.D

Acq: 15 Jul 2021 14:05

Tgt Ion: 41	Resp: 68
Ion Ratio	Lower Upper
41 100	
69 0.0	71.6 107.4#
39 0.0	36.7 55.1#

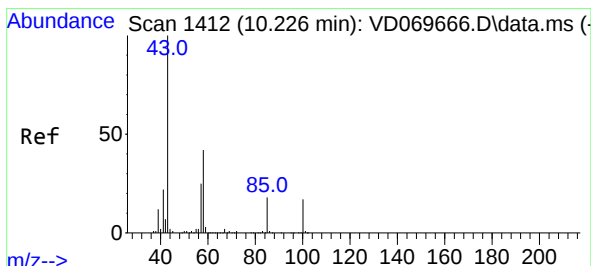
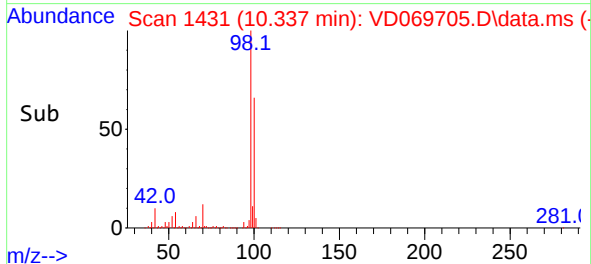
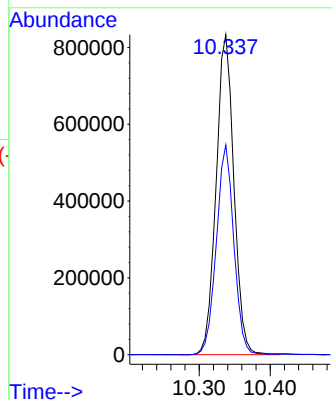
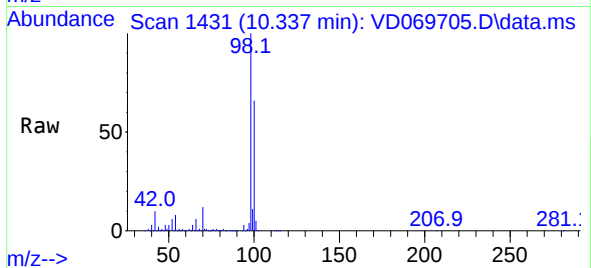




#50
Toluene-d8
Concen: 50.177 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.001 min
Lab File: VD069705.D
Acq: 15 Jul 2021 14:05

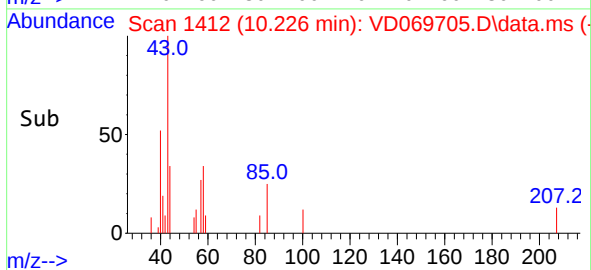
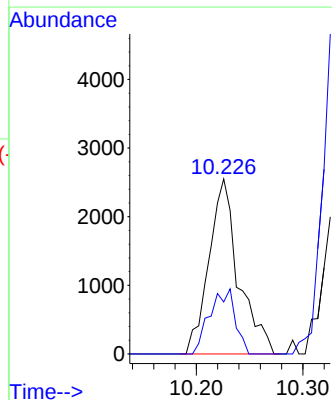
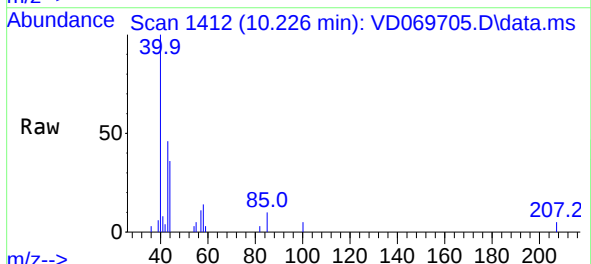
Instrument :
MSVOA_D
ClientSampled :

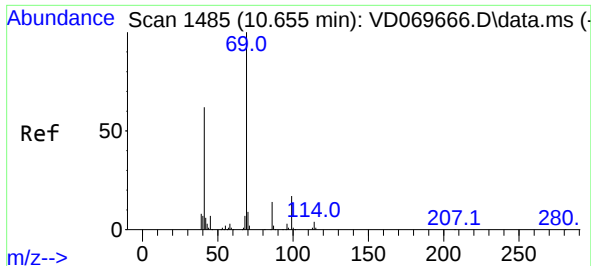
Tgt Ion: 98 Resp: 1443482
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.207 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD069705.D
Acq: 15 Jul 2021 14:05

Tgt Ion: 43 Resp: 4931
Ion Ratio Lower Upper
43 100
58 31.7 33.5 50.3#

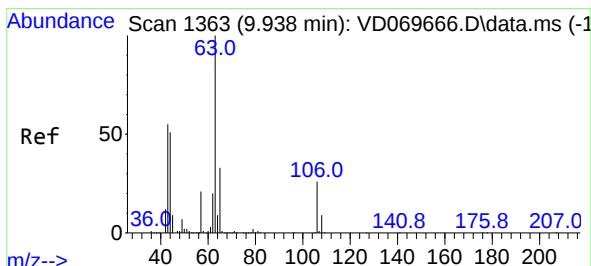
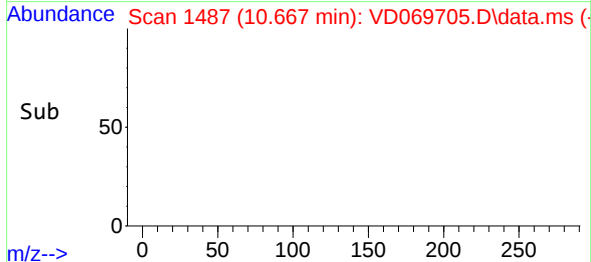
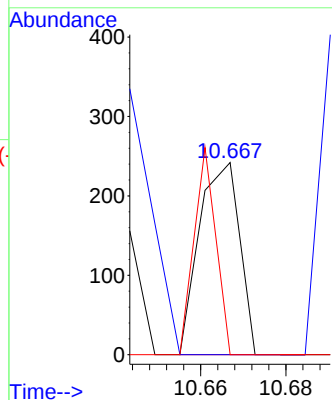
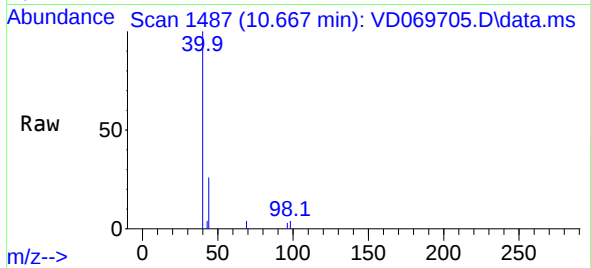




#56
Ethyl methacrylate
Concen: 1.685 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD069705.D
Acq: 15 Jul 2021 14:05

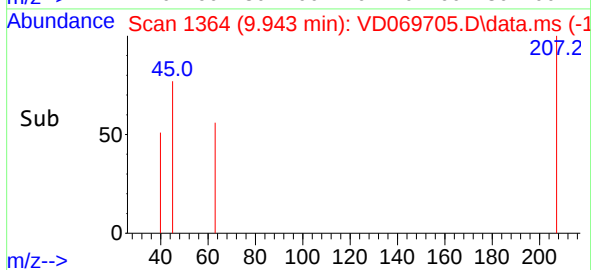
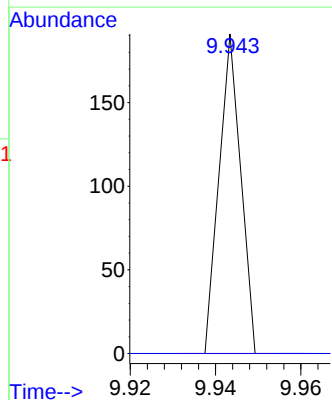
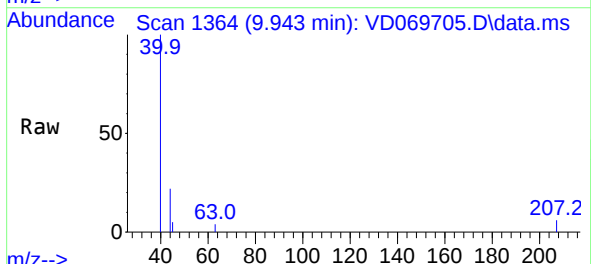
Instrument :
MSVOA_D
ClientSampled :

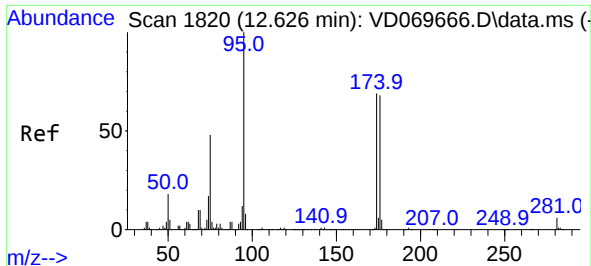
Tgt Ion: 69 Resp: 158
Ion Ratio Lower Upper
69 100
41 0.0 49.5 74.3#
39 58.2 22.5 33.7#



#58
2-Chloroethyl Vinyl ether
Concen: 9.379 ug/l
RT: 9.943 min Scan# 1364
Delta R.T. 0.005 min
Lab File: VD069705.D
Acq: 15 Jul 2021 14:05

Tgt Ion: 63 Resp: 67
Ion Ratio Lower Upper
63 100
106 0.0 21.1 31.7#

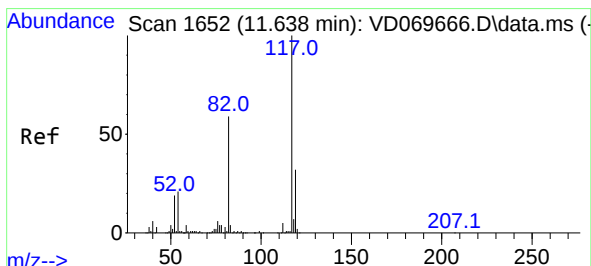
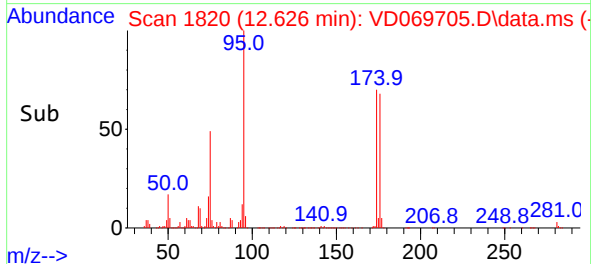
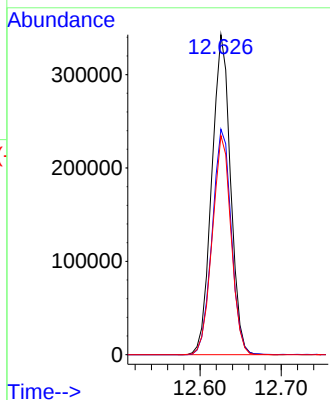
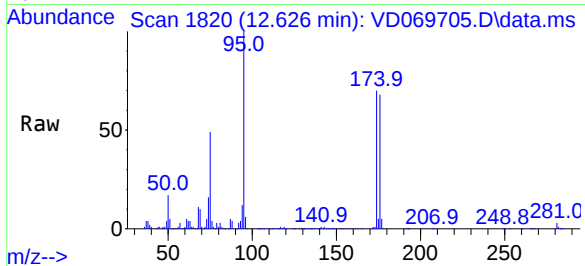




#62
4-Bromofluorobenzene
Concen: 57.305 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069705.D
Acq: 15 Jul 2021 14:05

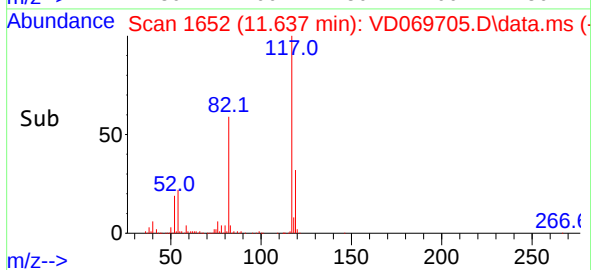
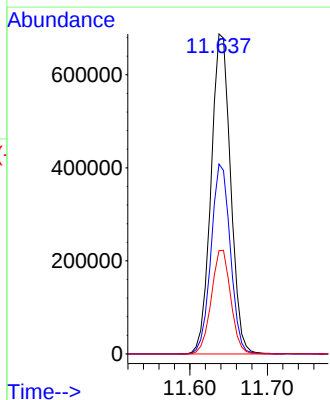
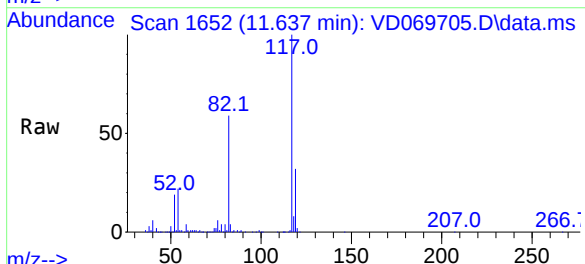
Instrument :
MSVOA_D
ClientSampleId :

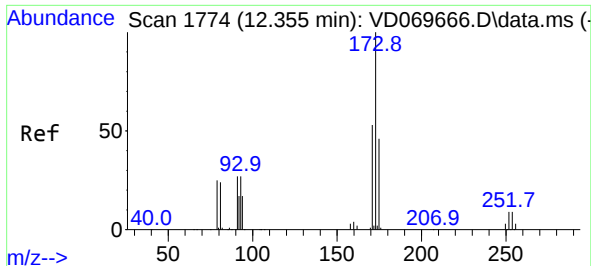
Tgt Ion: 95 Resp: 549808
Ion Ratio Lower Upper
95 100
174 71.7 0.0 140.0
176 68.5 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.001 min
Lab File: VD069705.D
Acq: 15 Jul 2021 14:05

Tgt Ion: 117 Resp: 1206818
Ion Ratio Lower Upper
117 100
82 59.4 47.4 71.2
119 32.3 25.5 38.3

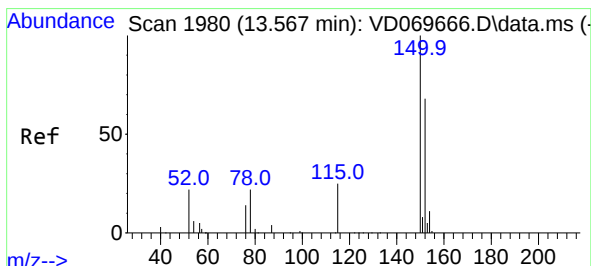
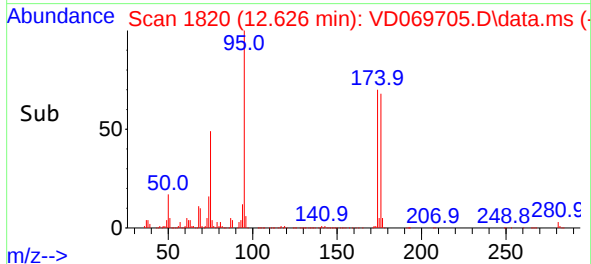
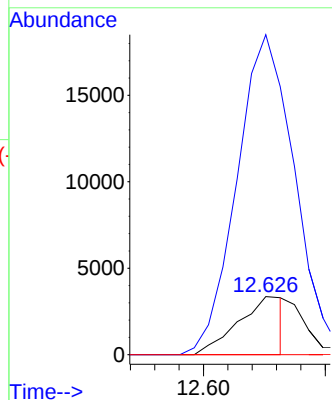
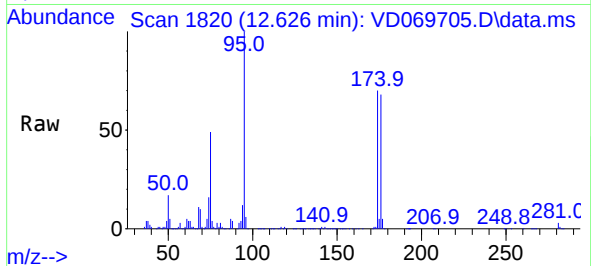




#71
Bromoform
Concen: 1.056 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069705.D
Acq: 15 Jul 2021 14:05

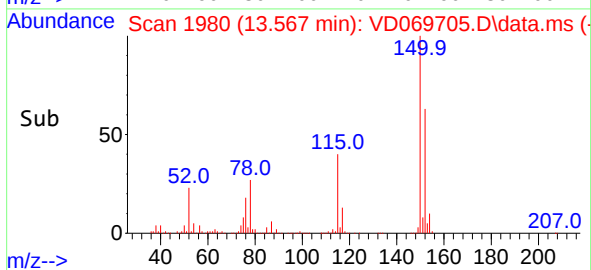
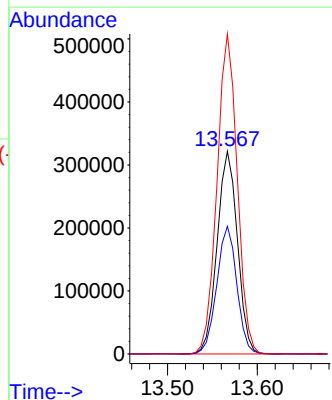
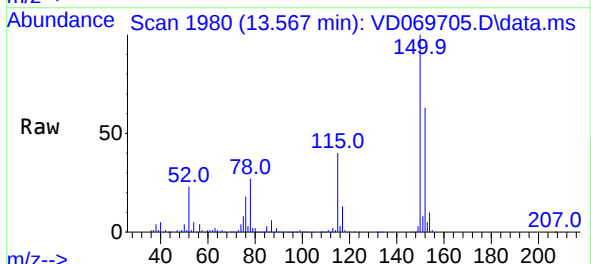
Instrument :
MSVOA_D
ClientSampled :

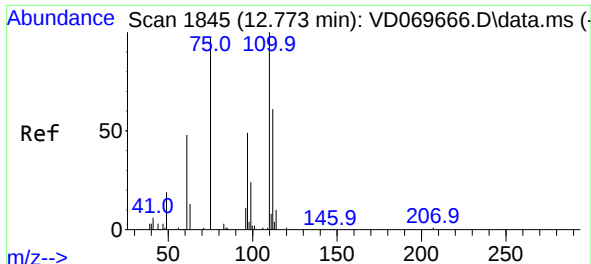
Tgt Ion:173 Resp: 4408
Ion Ratio Lower Upper
173 100
175 541.4 24.2 72.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069705.D
Acq: 15 Jul 2021 14:05

Tgt Ion:152 Resp: 506056
Ion Ratio Lower Upper
152 100
115 62.2 31.7 95.1
150 157.3 0.0 350.4

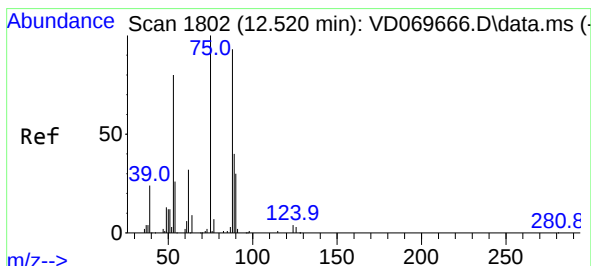
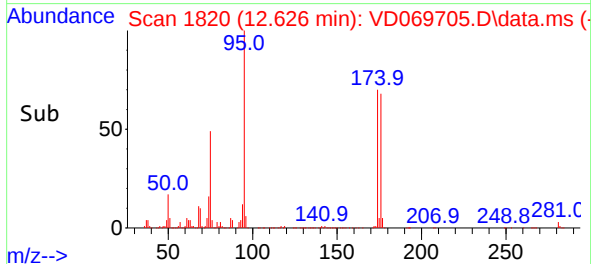
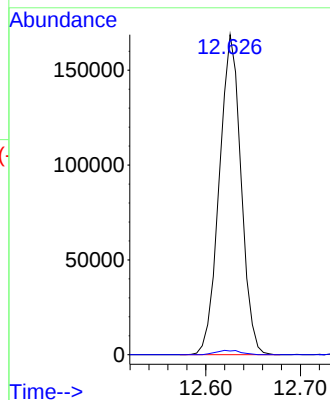
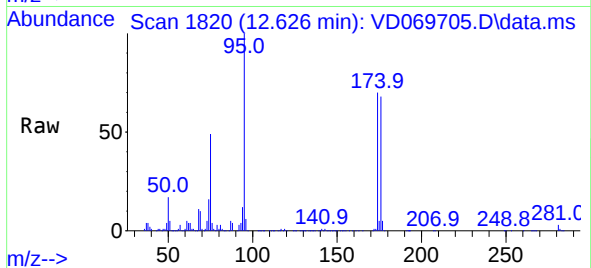




#76
1,2,3-Trichloropropane
Concen: 54.818 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069705.D
Acq: 15 Jul 2021 14:05

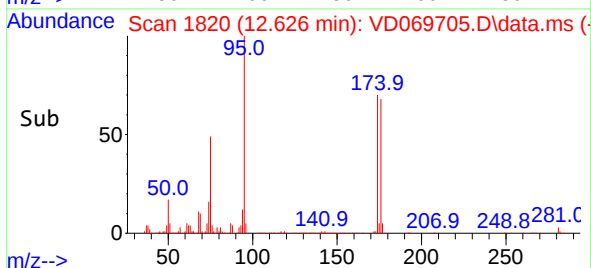
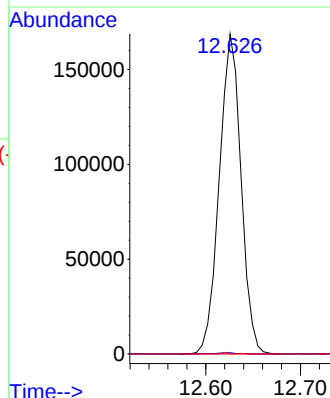
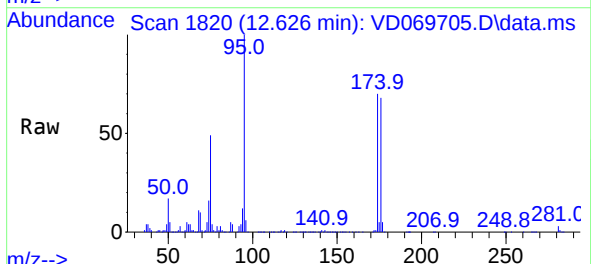
Instrument :
MSVOA_D
ClientSampleId :

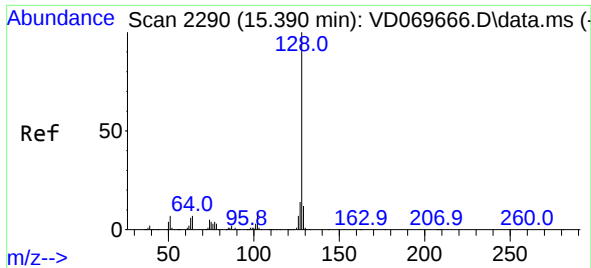
Tgt Ion: 75 Resp: 269494
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 147.320 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069705.D
Acq: 15 Jul 2021 14:05

Tgt Ion: 75 Resp: 269494
Ion Ratio Lower Upper
75 100
53 0.4 70.6 106.0#
89 0.1 35.1 52.7#





#95
Naphthalene
Concen: 2.304 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069705.D
Acq: 15 Jul 2021 14:05

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	128	Resp:	1654
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	16.0
129	0.0	8.8	13.2#

