

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121621\
 Data File : VD0713MB.D
 Acq On : 16 Dec 2021 10:27
 Operator : VA/SY
 Sample : VD1216SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 23:51:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

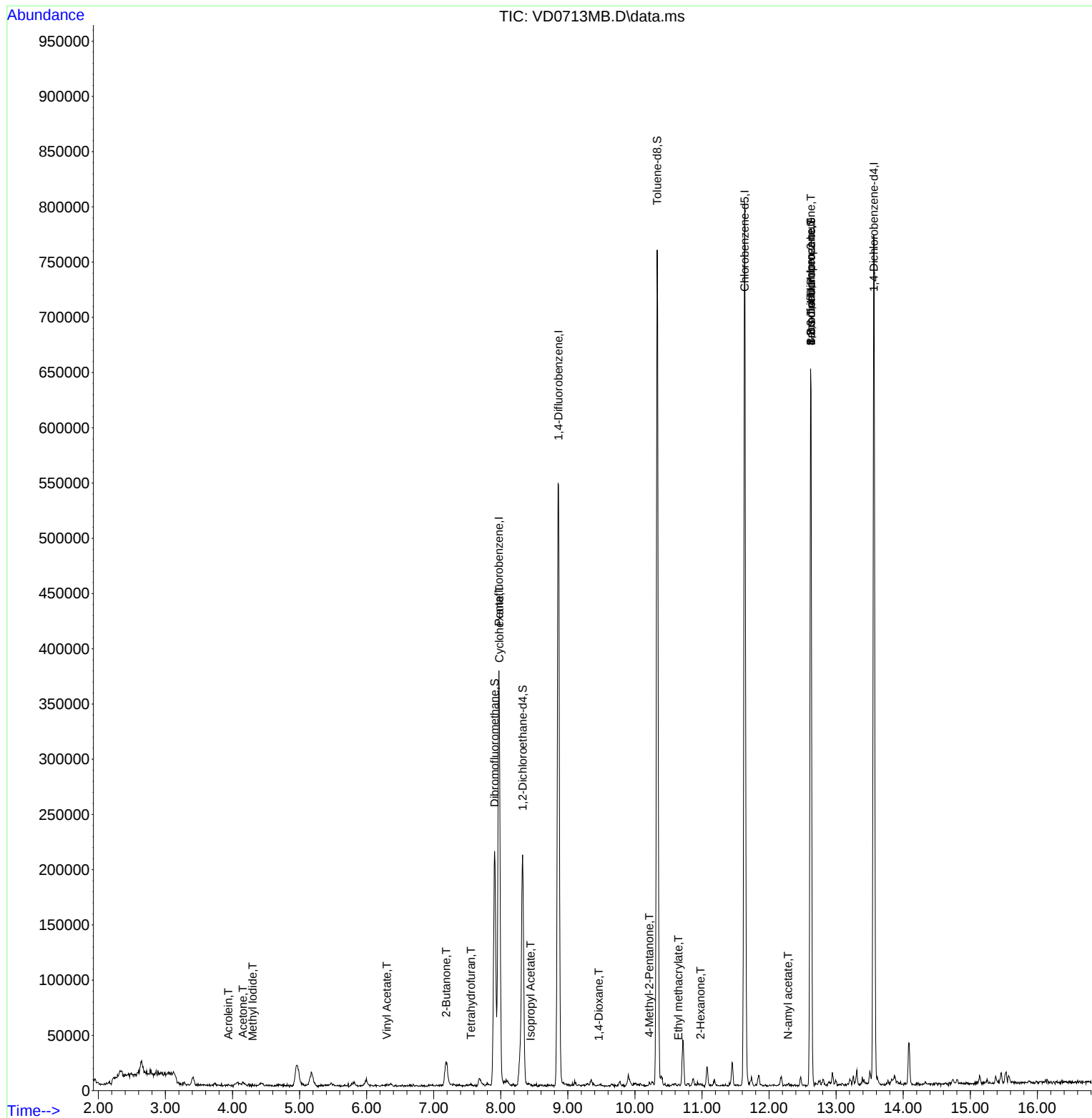
Internal Standards						
1) Pentafluorobenzene	7.973	168	259265	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	456416	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	414321	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	192077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	163797	53.842	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.680%	
35) Dibromofluoromethane	7.908	113	146754	50.493	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.980%	
50) Toluene-d8	10.332	98	488613	44.177	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 88.360%	
62) 4-Bromofluorobenzene	12.626	95	170176	44.387	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 88.780%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	251	4.636	ug/l #	83
11) Tert butyl alcohol	5.179	59	10895	Below Cal	#	75
13) Acrolein	3.938	56	317	1.525	ug/l #	13
16) Acetone	4.156	43	5456	36.718	ug/l	92
23) Vinyl Acetate	6.303	43	1000	27.398	ug/l #	72
25) 2-Butanone	7.185	43	1525	29.808	ug/l #	45
29) Tetrahydrofuran	7.555	42	607	1.257	ug/l #	50
31) Cyclohexane	7.979	56	8610	1.664	ug/l #	11
41) Methacrylonitrile	7.508	41	405	Below Cal	#	20
43) Isopropyl Acetate	8.444	43	393	5.310	ug/l #	88
49) 1,4-Dioxane	9.461	88	78	5.111	ug/l #	13
51) 4-Methyl-2-Pentanone	10.214	43	1806	31.414	ug/l #	67
56) Ethyl methacrylate	10.649	69	259	6.047	ug/l #	1
59) 2-Hexanone	10.979	43	1775	35.551	ug/l	87
71) Bromoform	12.626	173	2757	1.896	ug/l #	1
74) N-amyl acetate	12.285	43	1308	6.005	ug/l #	53
76) 1,2,3-Trichloropropane	12.626	75	100226	54.768	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	100226	119.079	ug/l #	18

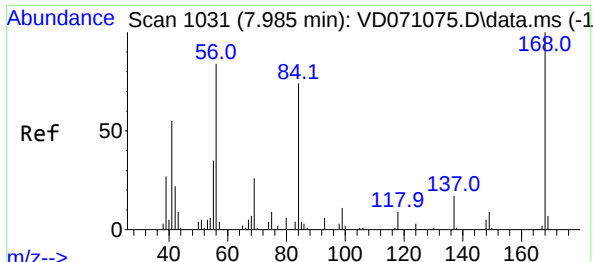
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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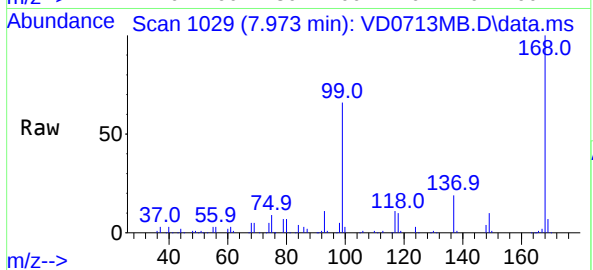
Quant Time: Dec 16 23:51:50 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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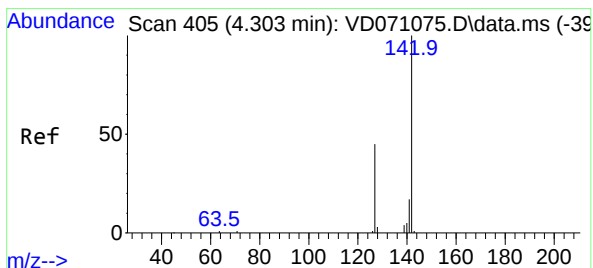
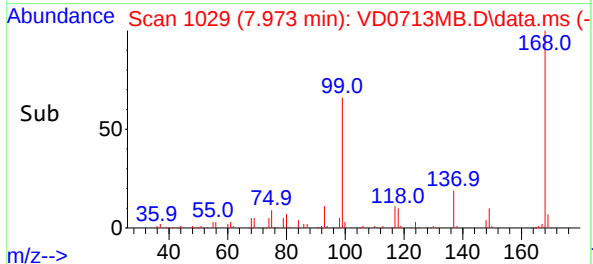
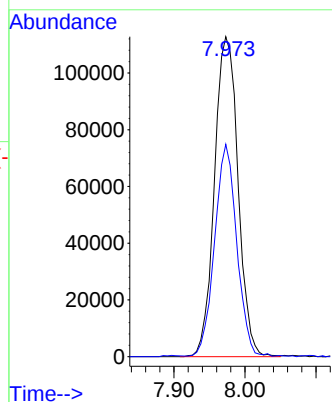


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD0713MB.D
Acq: 16 Dec 2021 10:27

Instrument :
MSVOA_D
ClientSampleId :

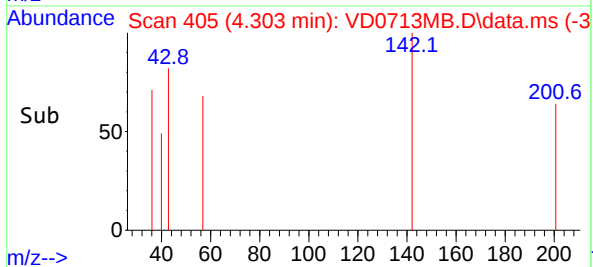
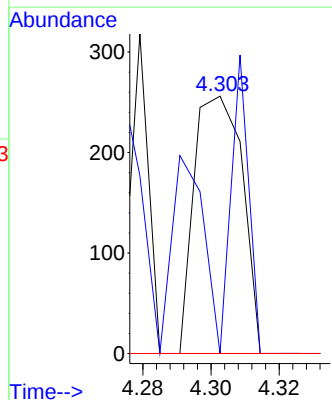
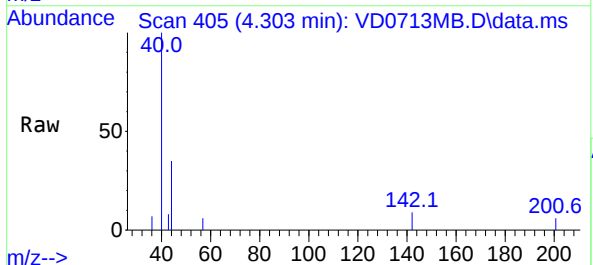


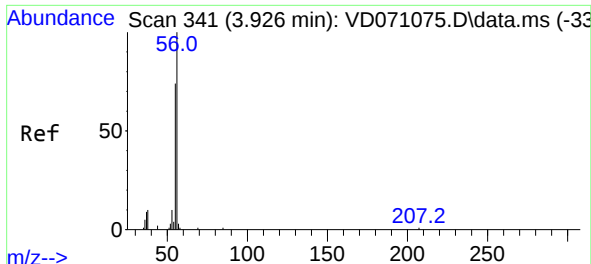
Tgt Ion:168 Resp: 259265
Ion Ratio Lower Upper
168 100
99 66.1 46.6 69.8



#10
Methyl Iodide
Concen: 4.636 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD0713MB.D
Acq: 16 Dec 2021 10:27

Tgt Ion:142 Resp: 251
Ion Ratio Lower Upper
142 100
127 50.2 35.0 52.4
141 0.0 12.0 18.0#

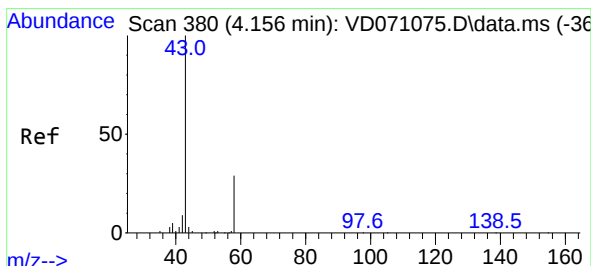
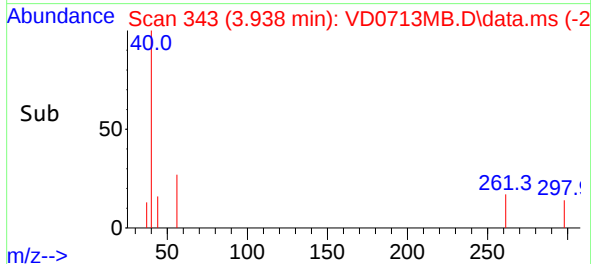
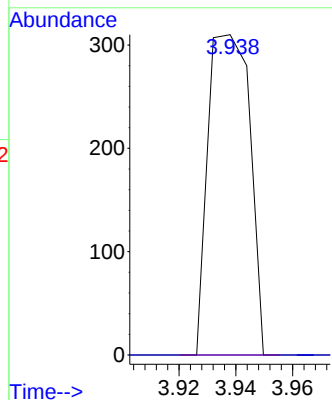
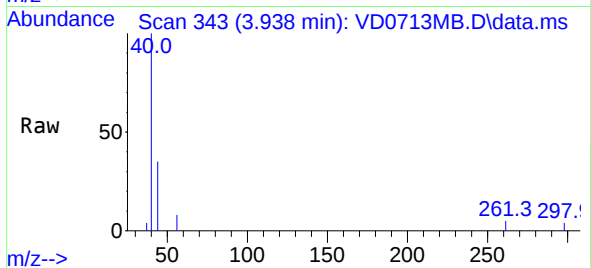




#13
Acrolein
Concen: 1.525 ug/l
RT: 3.938 min Scan# 341
Delta R.T. 0.012 min
Lab File: VD0713MB.D
Acq: 16 Dec 2021 10:27

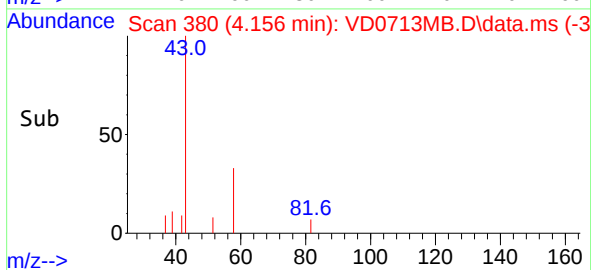
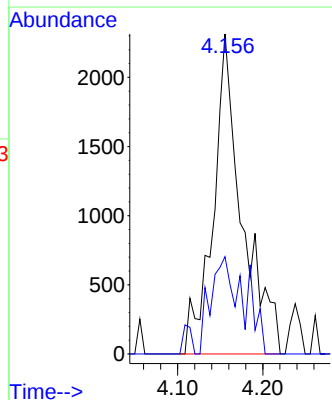
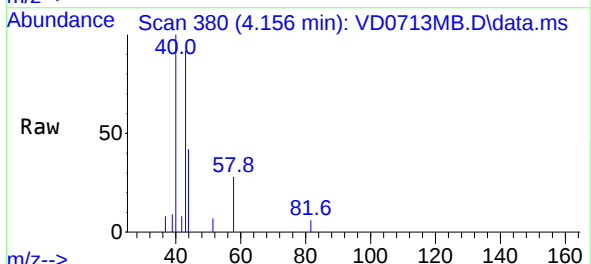
Instrument :
MSVOA_D
ClientSampleId :

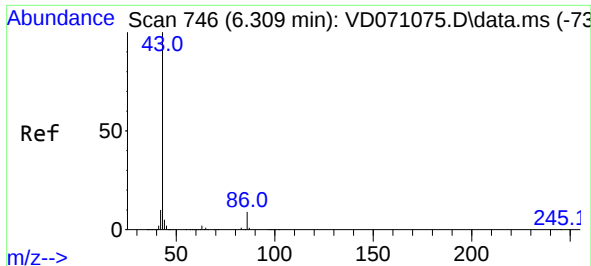
Tgt Ion: 56 Resp: 317
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#



#16
Acetone
Concen: 36.718 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD0713MB.D
Acq: 16 Dec 2021 10:27

Tgt Ion: 43 Resp: 5456
Ion Ratio Lower Upper
43 100
58 30.4 27.8 41.8

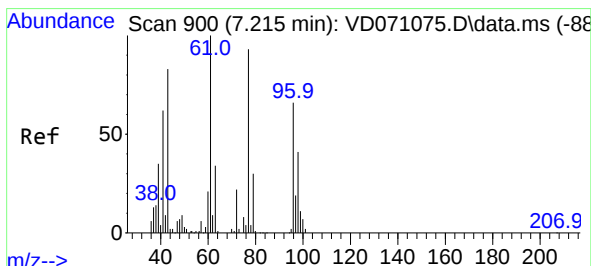
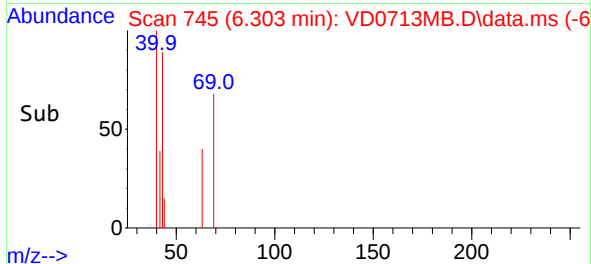
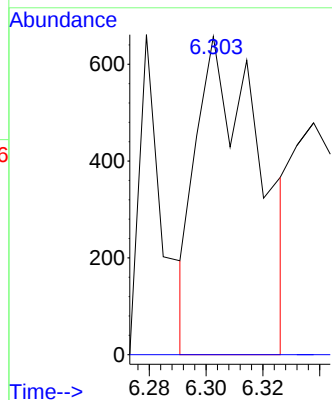
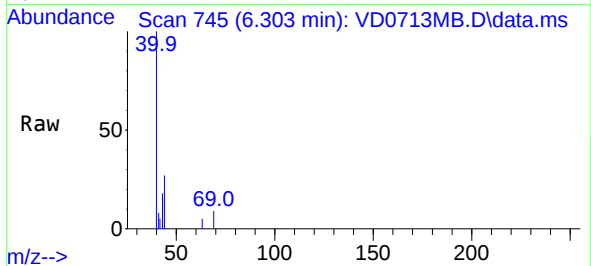




#23
 Vinyl Acetate
 Concen: 27.398 ug/l
 RT: 6.303 min Scan# 746
 Delta R.T. -0.006 min
 Lab File: VD0713MB.D
 Acq: 16 Dec 2021 10:27

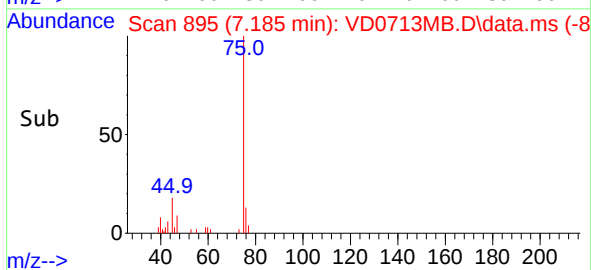
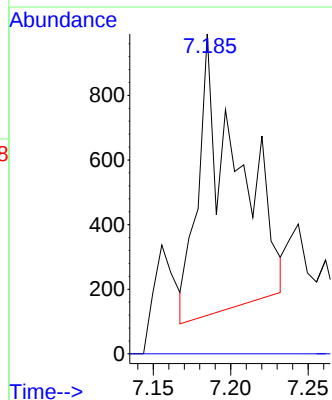
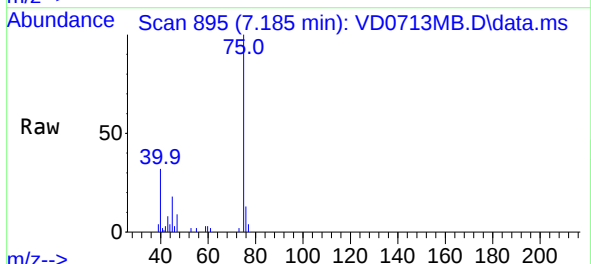
Instrument :
 MSVOA_D
 ClientSampleId :

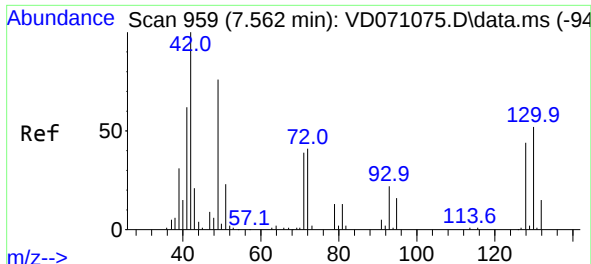
Tgt Ion: 43 Resp: 1000
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 29.808 ug/l
 RT: 7.185 min Scan# 895
 Delta R.T. -0.030 min
 Lab File: VD0713MB.D
 Acq: 16 Dec 2021 10:27

Tgt Ion: 43 Resp: 1525
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#29

Tetrahydrofuran

Concen: 1.257 ug/l

RT: 7.555 min Scan# 91

Delta R.T. -0.007 min

Lab File: VD0713MB.D

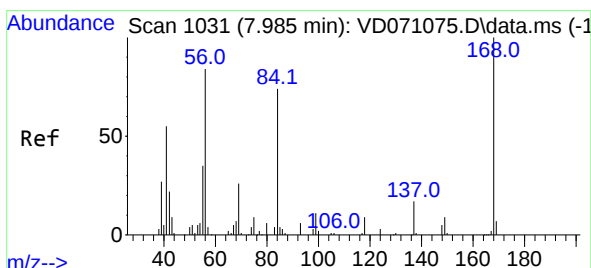
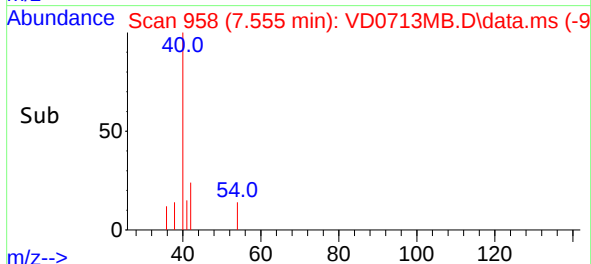
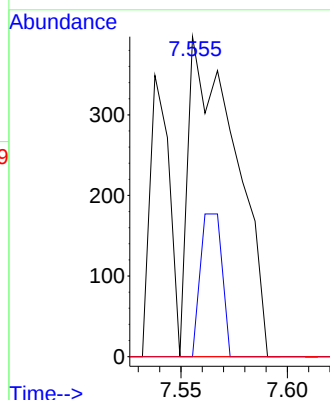
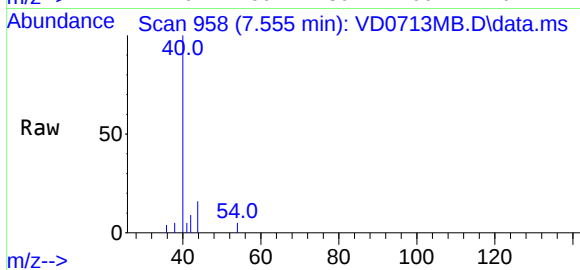
Acq: 16 Dec 2021 10:27

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	42	Resp:	607
Ion	Ratio	Lower	Upper
42	100		
72	20.6	33.7	50.5#
71	0.0	32.7	49.1#



#31

Cyclohexane

Concen: 1.664 ug/l

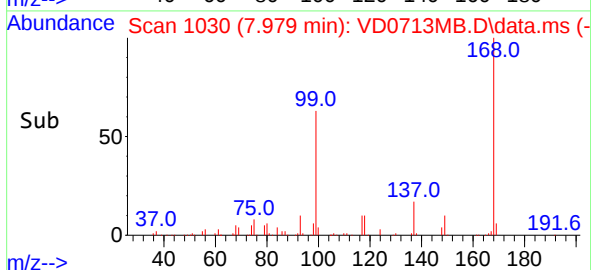
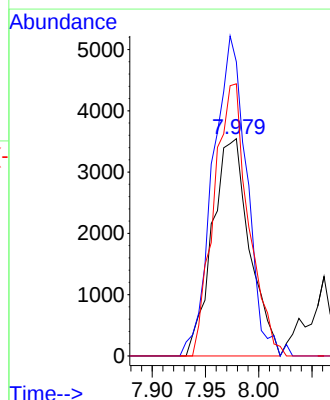
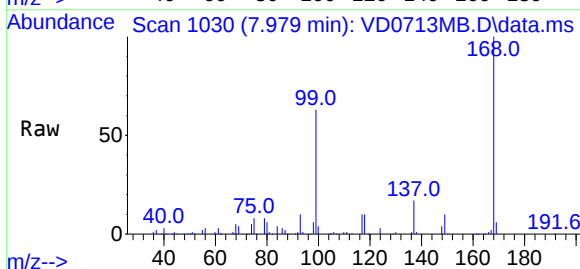
RT: 7.979 min Scan# 1030

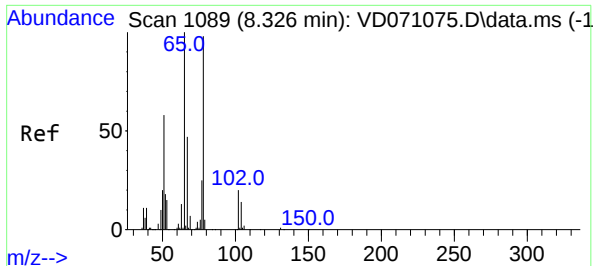
Delta R.T. -0.006 min

Lab File: VD0713MB.D

Acq: 16 Dec 2021 10:27

Tgt Ion:	56	Resp:	8610
Ion	Ratio	Lower	Upper
56	100		
69	135.4	25.9	38.9#
84	125.3	64.3	96.5#

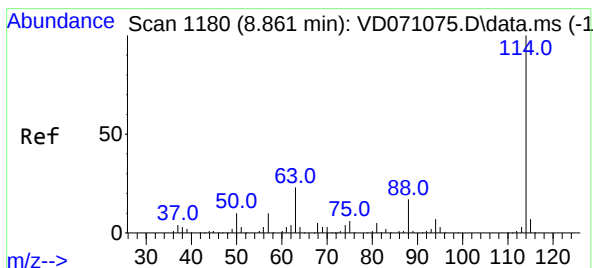
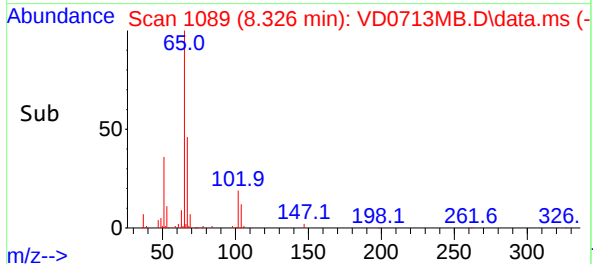
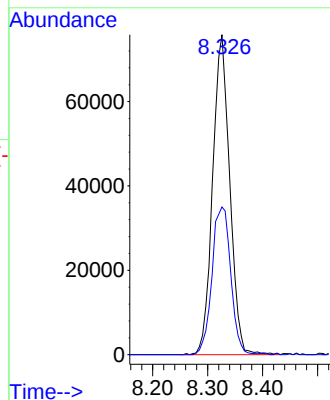
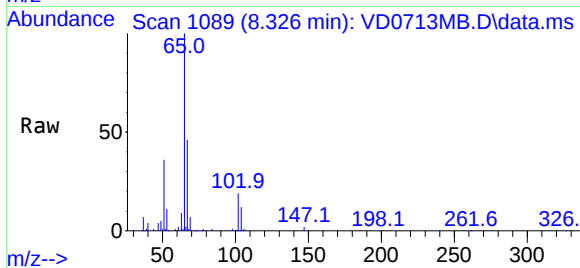




#33
1,2-Dichloroethane-d4
Concen: 53.842 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD0713MB.D
Acq: 16 Dec 2021 10:27

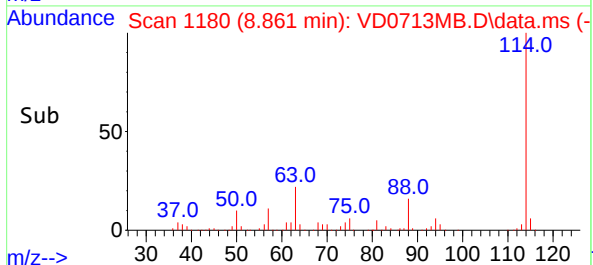
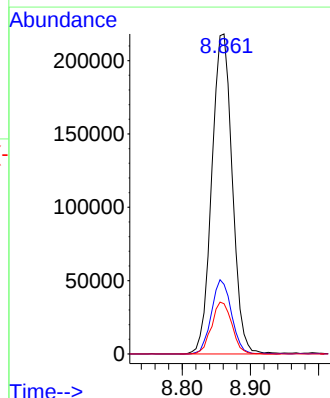
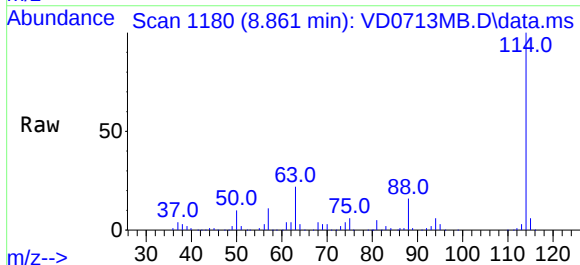
Instrument :
MSVOA_D
ClientSampleId :

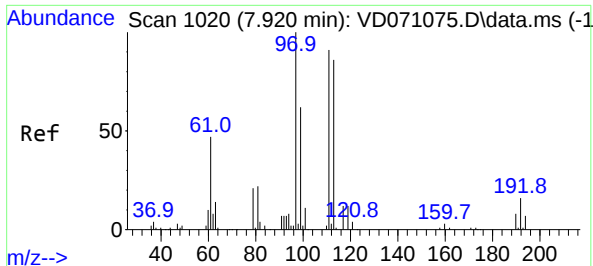
Tgt Ion: 65 Resp: 163797
Ion Ratio Lower Upper
65 100
67 50.6 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD0713MB.D
Acq: 16 Dec 2021 10:27

Tgt Ion: 114 Resp: 456416
Ion Ratio Lower Upper
114 100
63 21.7 0.0 41.8
88 15.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.493 ug/l

RT: 7.908 min Scan# 1109

Delta R.T. -0.012 min

Lab File: VD0713MB.D

Acq: 16 Dec 2021 10:27

Instrument :

MSVOA_D

ClientSampleId :

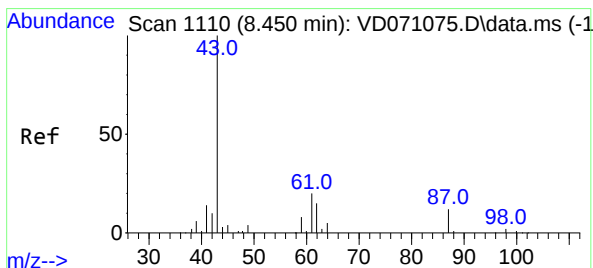
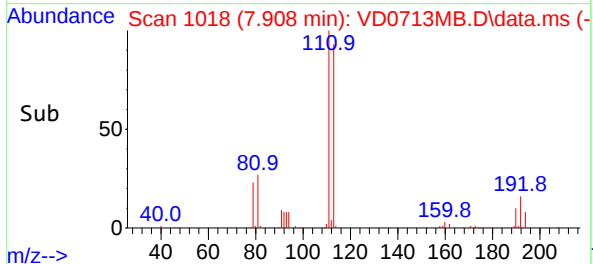
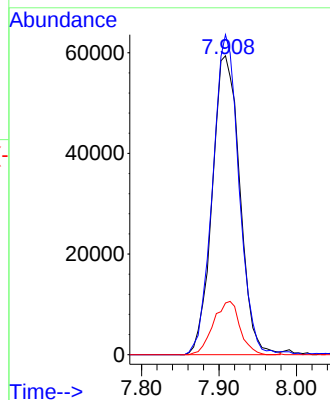
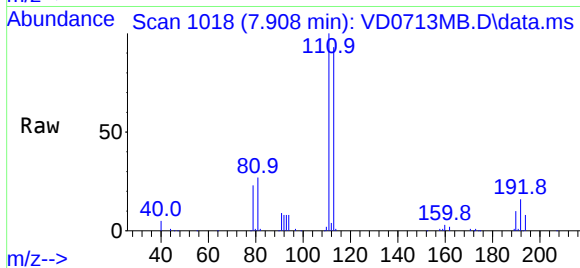
Tgt Ion:113 Resp: 146754

Ion Ratio Lower Upper

113 100

111 102.6 82.0 123.0

192 17.2 15.2 22.8



#43

Isopropyl Acetate

Concen: 5.310 ug/l

RT: 8.444 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VD0713MB.D

Acq: 16 Dec 2021 10:27

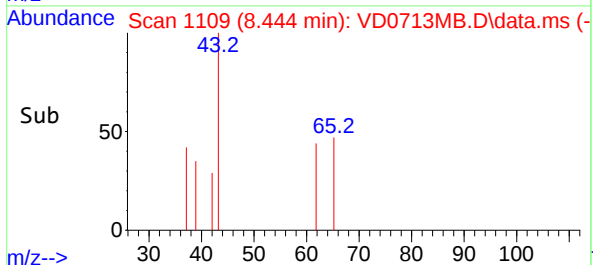
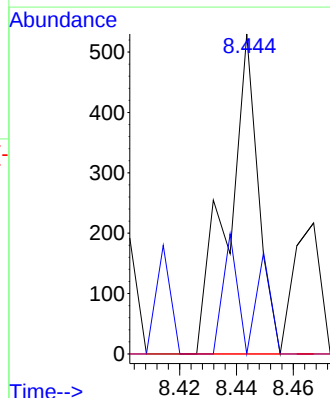
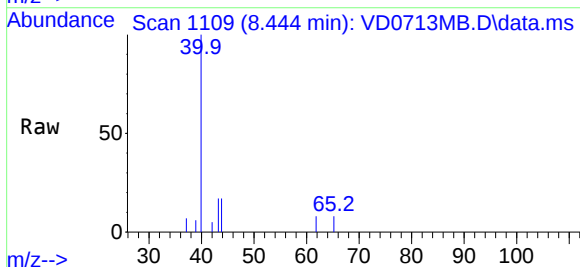
Tgt Ion: 43 Resp: 393

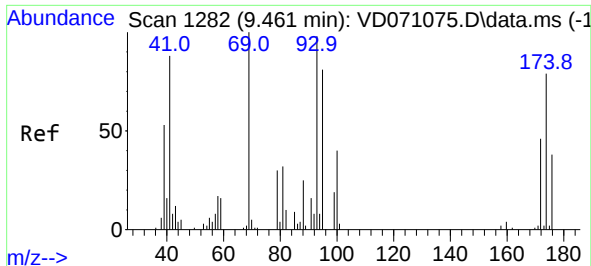
Ion Ratio Lower Upper

43 100

61 32.8 28.2 42.4

87 0.0 10.7 16.1#

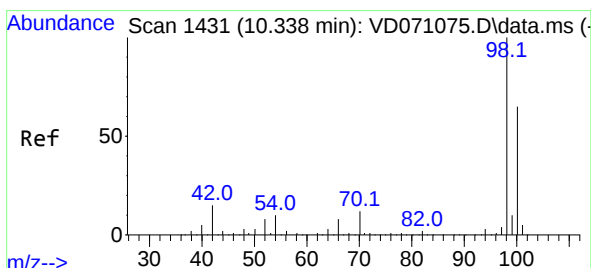
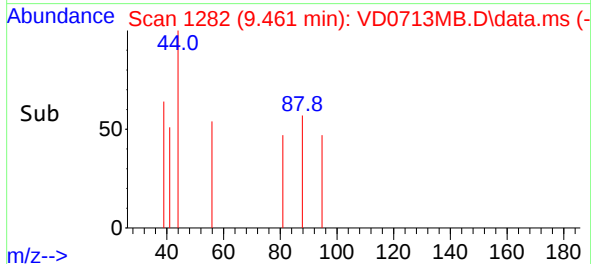
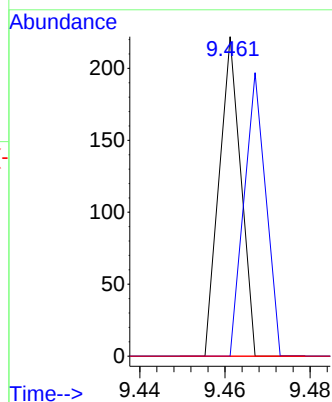
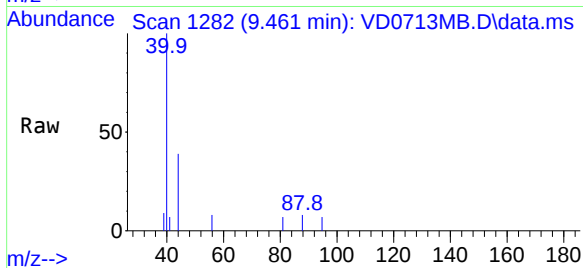




#49
1,4-Dioxane
Concen: 5.111 ug/l
RT: 9.461 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD0713MB.D
Acq: 16 Dec 2021 10:27

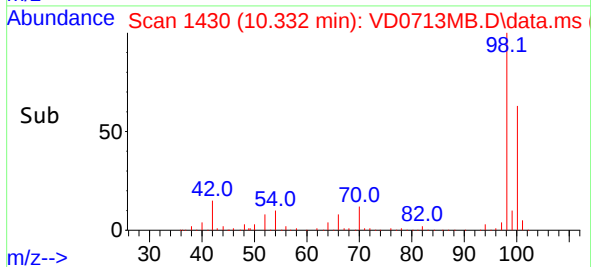
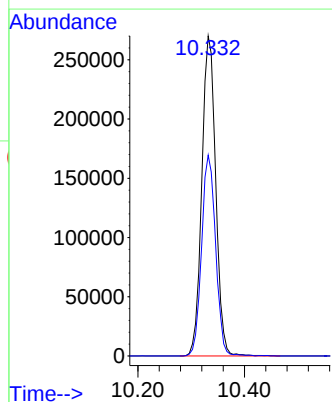
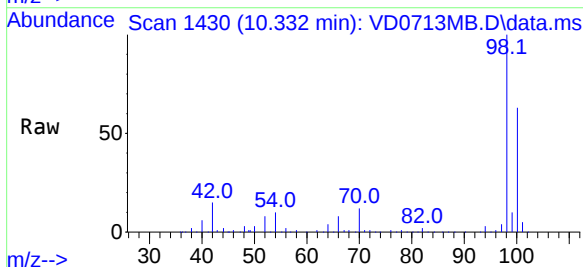
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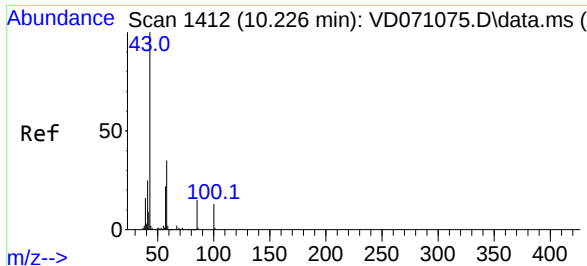
Tgt Ion: 88 Resp: 78
Ion Ratio Lower Upper
88 100
43 89.7 28.9 43.3#
58 0.0 56.3 84.5#



#50
Toluene-d8
Concen: 44.177 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD0713MB.D
Acq: 16 Dec 2021 10:27

Tgt Ion: 98 Resp: 488613
Ion Ratio Lower Upper
98 100
100 63.3 51.8 77.6





#51

4-Methyl-2-Pentanone

Concen: 31.414 ug/l

RT: 10.214 min Scan# 1412

Delta R.T. -0.012 min

Lab File: VD0713MB.D

Acq: 16 Dec 2021 10:27

Instrument :

MSVOA_D

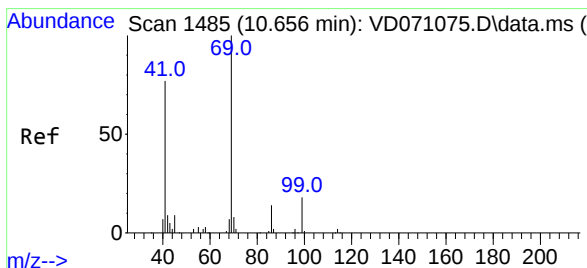
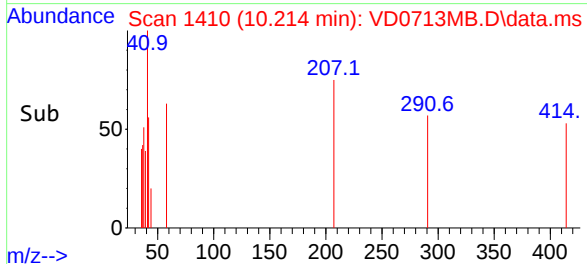
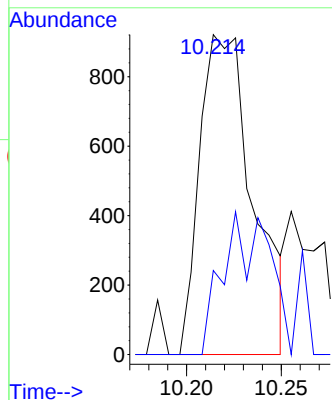
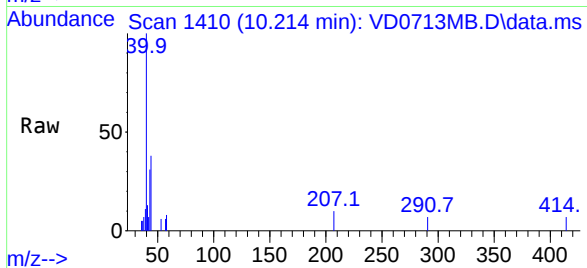
ClientSampleId :

Tgt Ion: 43 Resp: 1806

Ion Ratio Lower Upper

43 100

58 20.9 33.1 49.7#



#56

Ethyl methacrylate

Concen: 6.047 ug/l

RT: 10.649 min Scan# 1484

Delta R.T. -0.007 min

Lab File: VD0713MB.D

Acq: 16 Dec 2021 10:27

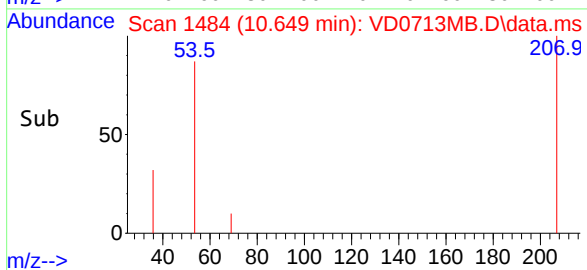
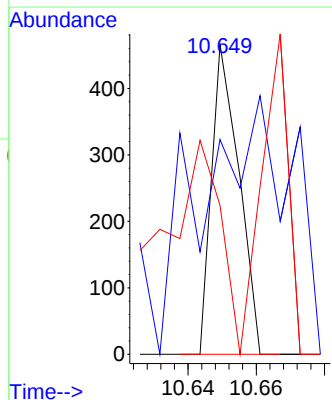
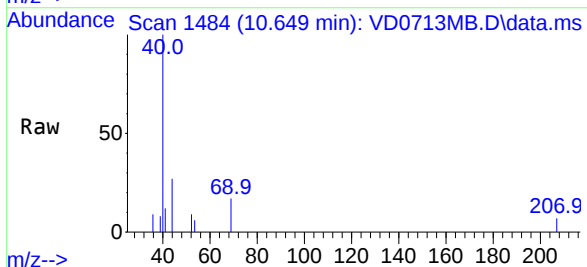
Tgt Ion: 69 Resp: 259

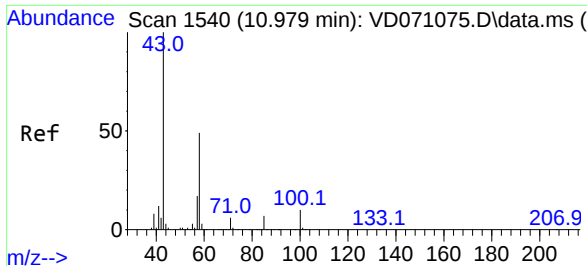
Ion Ratio Lower Upper

69 100

41 0.0 50.2 75.2#

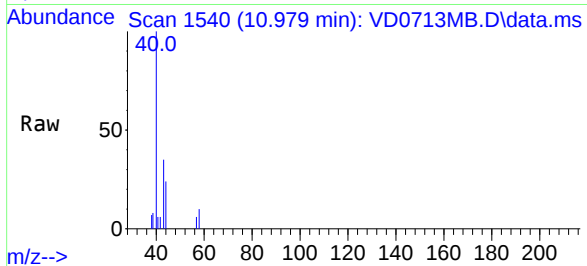
39 123.6 19.8 29.8#



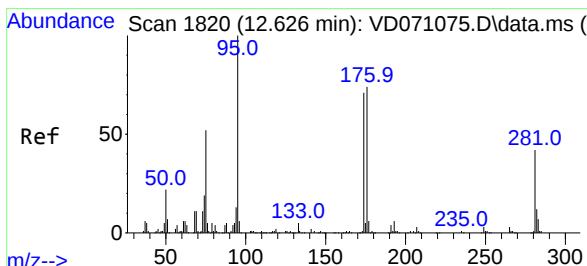
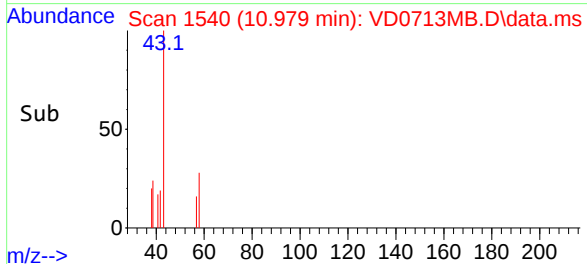
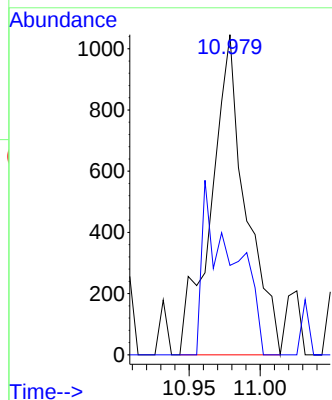


#59
2-Hexanone
Concen: 35.551 ug/l
RT: 10.979 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD0713MB.D
Acq: 16 Dec 2021 10:27

Instrument :
MSVOA_D
ClientSampleId :

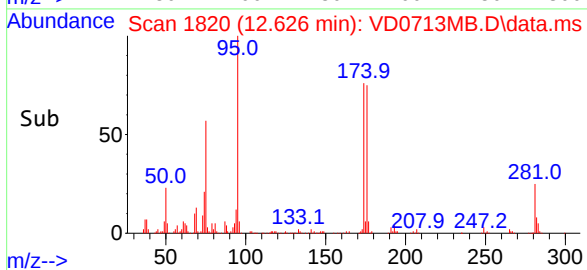
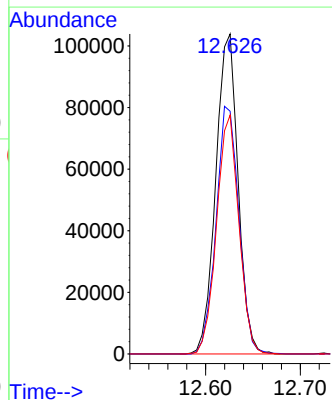
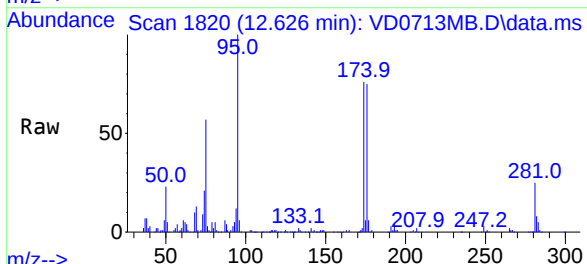


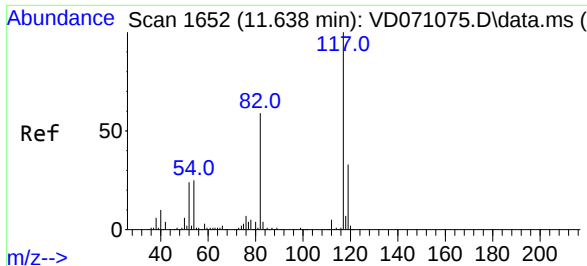
Tgt Ion: 43 Resp: 1775
Ion Ratio Lower Upper
43 100
58 47.7 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 44.387 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD0713MB.D
Acq: 16 Dec 2021 10:27

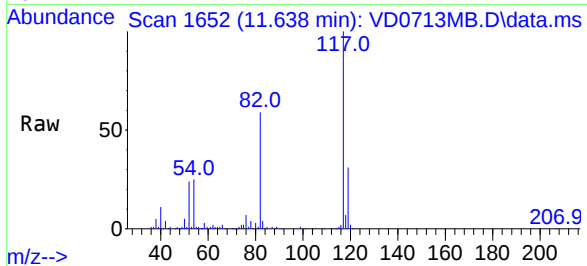
Tgt Ion: 95 Resp: 170176
Ion Ratio Lower Upper
95 100
174 79.4 0.0 159.4
176 74.5 0.0 154.0



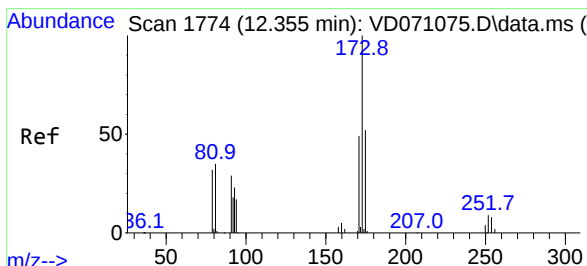
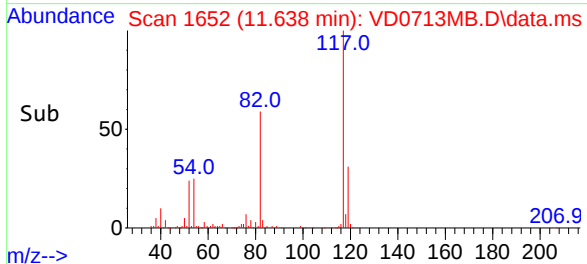
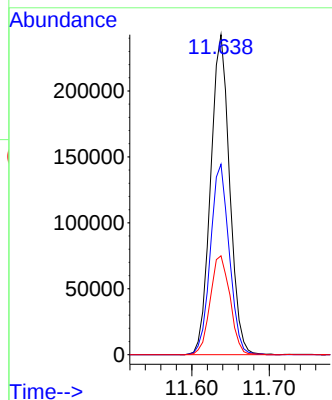


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD0713MB.D
Acq: 16 Dec 2021 10:27

Instrument :
MSVOA_D
ClientSampleId :

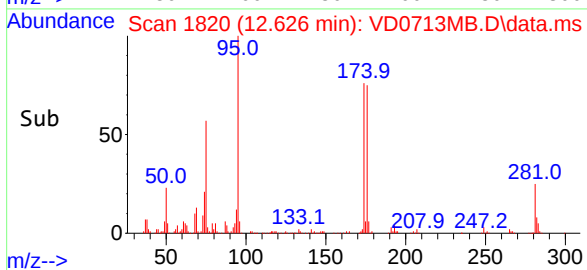
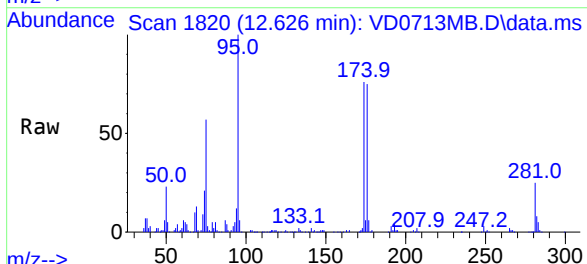
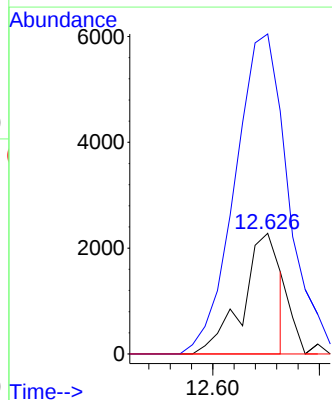


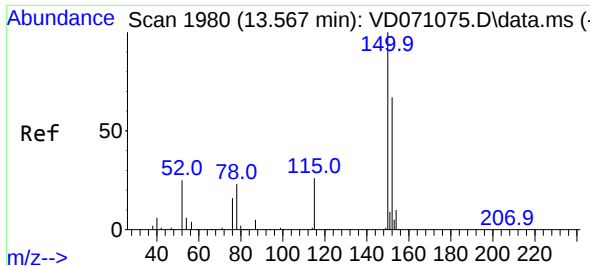
Tgt Ion:117 Resp: 414321
Ion Ratio Lower Upper
117 100
82 59.5 44.7 67.1
119 30.9 26.2 39.4



#71
Bromoform
Concen: 1.896 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD0713MB.D
Acq: 16 Dec 2021 10:27

Tgt Ion:173 Resp: 2757
Ion Ratio Lower Upper
173 100
175 325.2 24.1 72.2#
254 0.0 0.1 0.1#

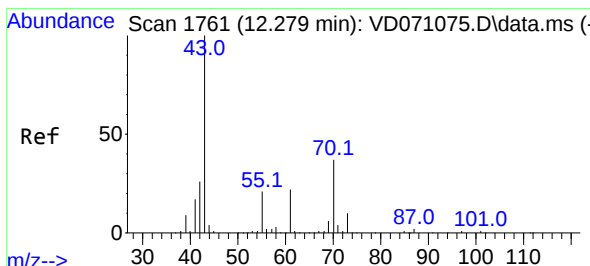
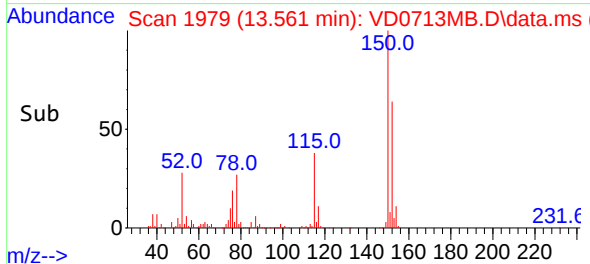
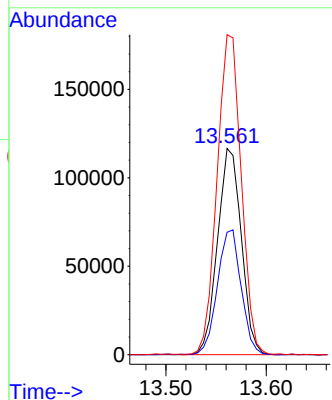
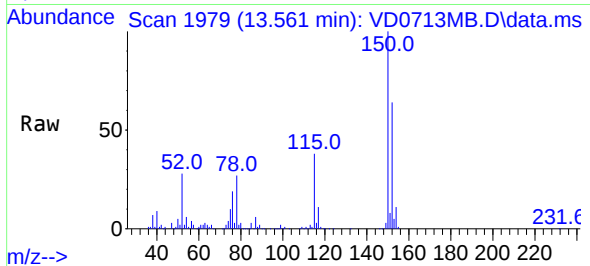




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD0713MB.D
Acq: 16 Dec 2021 10:27

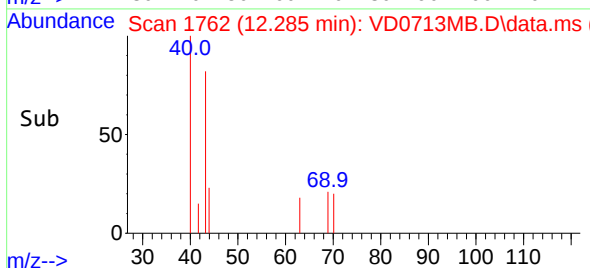
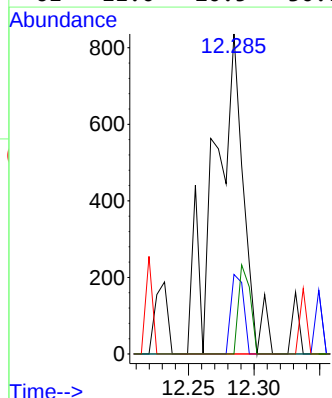
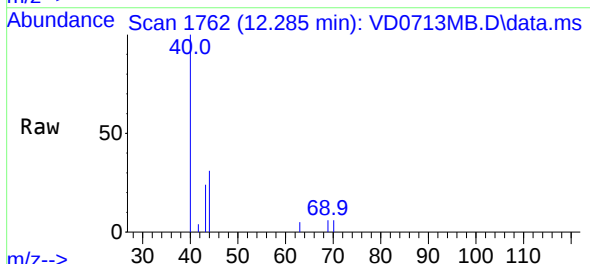
Instrument :
MSVOA_D
ClientSampleId :

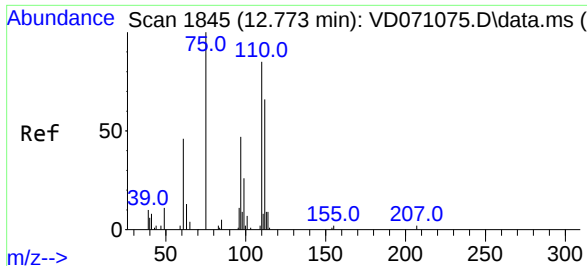
Tgt Ion:152 Resp: 192077
Ion Ratio Lower Upper
152 100
115 60.2 29.8 89.3
150 157.6 0.0 349.2



#74
N-ethyl acetate
Concen: 6.005 ug/l
RT: 12.285 min Scan# 1762
Delta R.T. 0.006 min
Lab File: VD0713MB.D
Acq: 16 Dec 2021 10:27

Tgt Ion: 43 Resp: 1308
Ion Ratio Lower Upper
43 100
70 10.6 36.6 55.0#
55 0.0 22.5 33.7#
61 11.0 20.5 30.7#

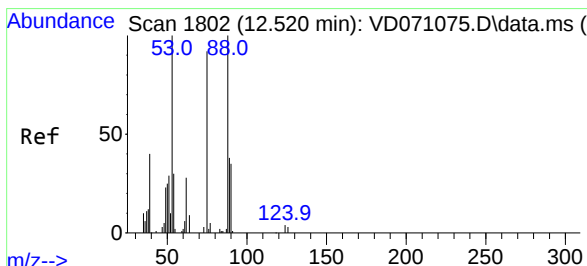
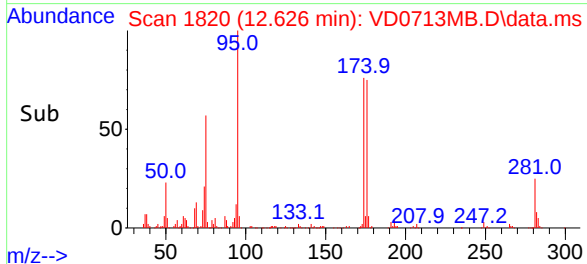
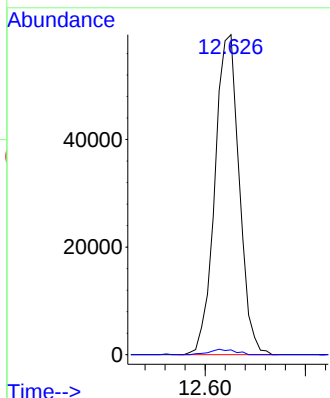
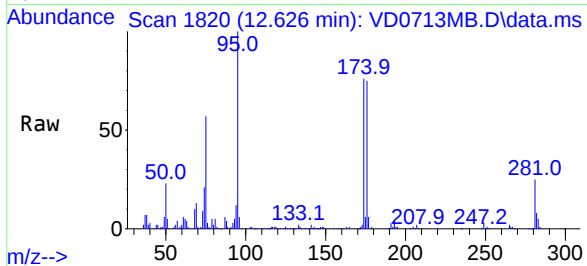




#76
1,2,3-Trichloropropane
Concen: 54.768 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD0713MB.D
Acq: 16 Dec 2021 10:27

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 100226
Ion Ratio Lower Upper
75 100
77 1.8 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.079 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD0713MB.D
Acq: 16 Dec 2021 10:27

Tgt Ion: 75 Resp: 100226
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.4 34.5 51.7#

