

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022222\
 Data File : VD072054.D
 Acq On : 22 Feb 2022 13:42
 Operator : VA/SY
 Sample : N1626-02RE
 Misc : 4.41G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 23 05:30:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

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

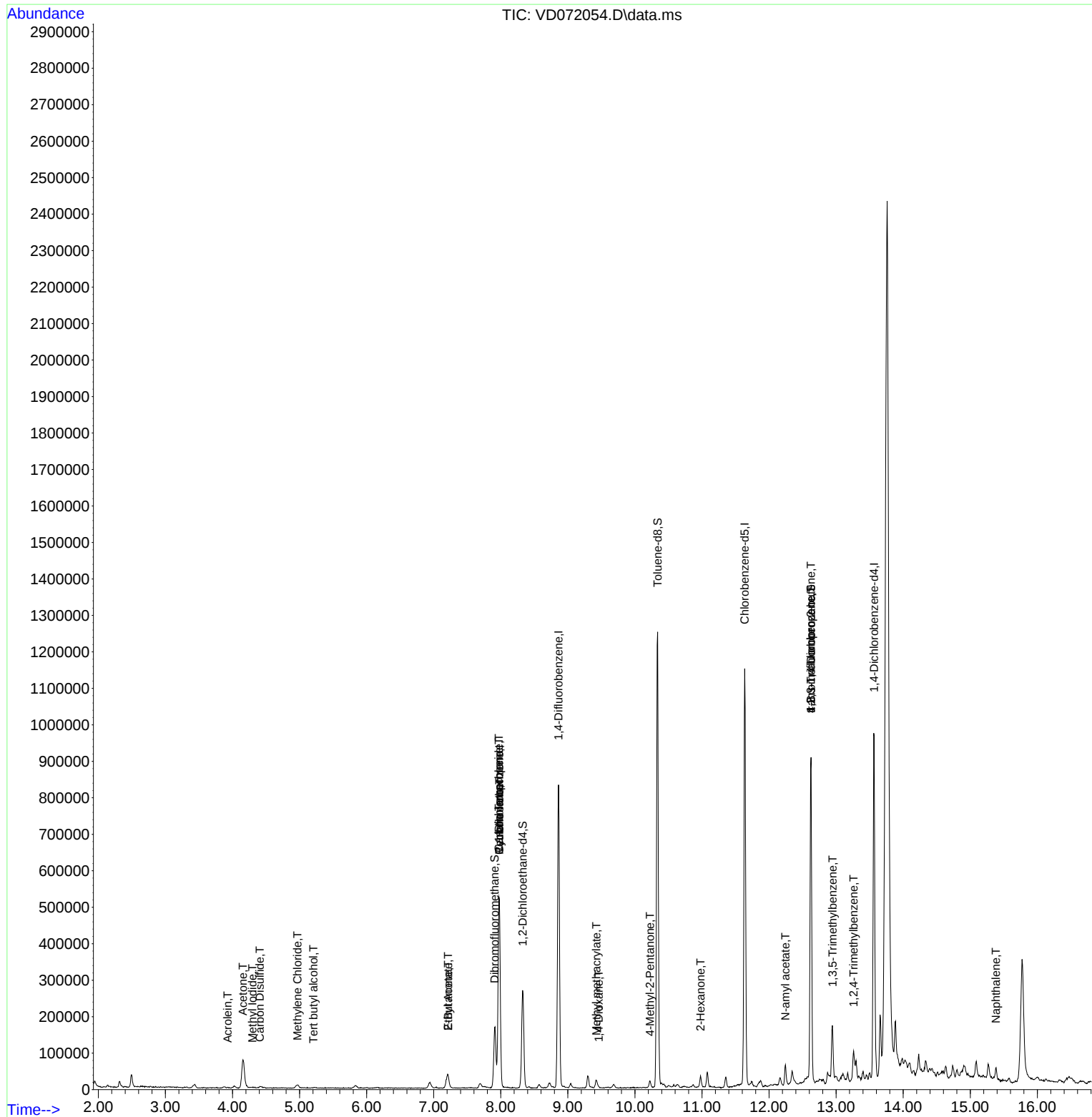
Internal Standards						
1) Pentafluorobenzene	7.979	168	394633	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	697215	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	649718	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	254604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	217724	53.188	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.380%	
35) Dibromofluoromethane	7.908	113	116750	27.638	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 55.280%	
50) Toluene-d8	10.338	98	834206	53.252	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.500%	
62) 4-Bromofluorobenzene	12.626	95	289989	50.396	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.800%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	749	Below Cal	#	28
10) Methyl Iodide	4.297	142	1837	3.310	ug/l #	60
11) Tert butyl alcohol	5.209	59	2139	9.158	ug/l	97
13) Acrolein	3.926	56	1014	2.202	ug/l	84
16) Acetone	4.156	43	149468	168.951	ug/l	96
17) Carbon Disulfide	4.409	76	4676	1.121	ug/l #	84
18) Methyl Acetate	4.726	43	624	Below Cal	#	52
20) Methylene Chloride	4.967	84	6846	1.555	ug/l #	86
25) 2-Butanone	7.214	43	54592	44.647	ug/l	98
31) Cyclohexane	7.979	56	8839	1.222	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	32602	5.095	ug/l #	49
37) Ethyl Acetate	7.214	43	54592	18.398	ug/l #	71
38) Carbon Tetrachloride	7.973	117	41227	6.286	ug/l #	16
48) Methyl methacrylate	9.426	41	6627	2.374	ug/l #	42
49) 1,4-Dioxane	9.461	88	265	8.789	ug/l #	20
51) 4-Methyl-2-Pentanone	10.226	43	13143	4.488	ug/l	98
59) 2-Hexanone	10.979	43	19602	9.814	ug/l	92
74) N-amyl acetate	12.243	43	33396	7.912	ug/l #	49
76) 1,2,3-Trichloropropane	12.626	75	150251	62.302	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.949	105	17565	1.203	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.626	75	150251	156.017	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.261	105	53648	3.739	ug/l	85
95) Naphthalene	15.384	128	28646	3.540	ug/l	99

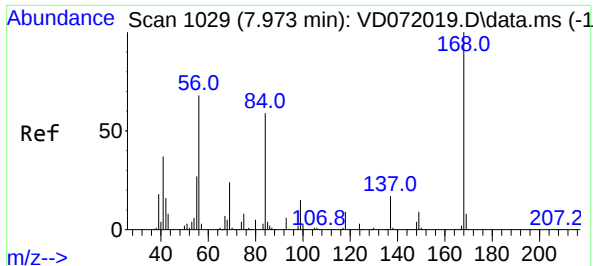
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Feb 19 04:05:38 2022
Response via : Initial Calibration

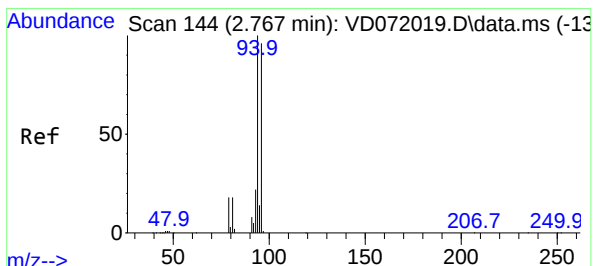
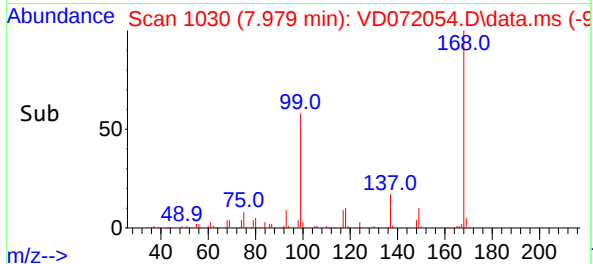
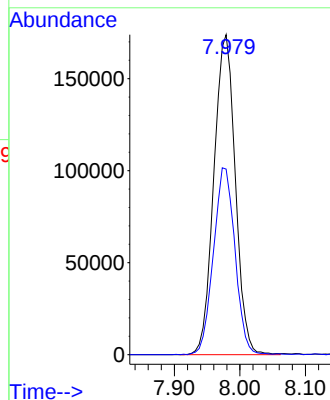
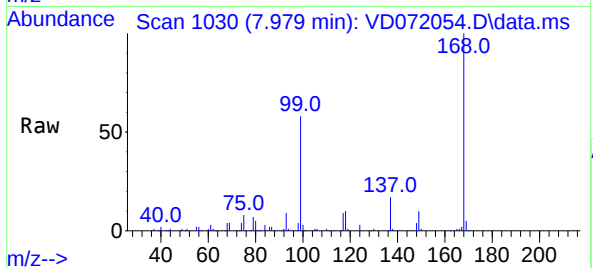




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD072054.D
Acq: 22 Feb 2022 13:42

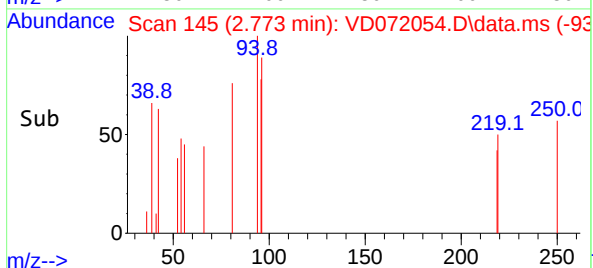
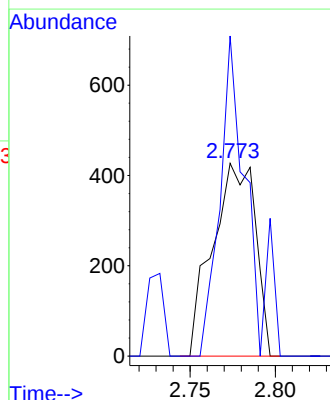
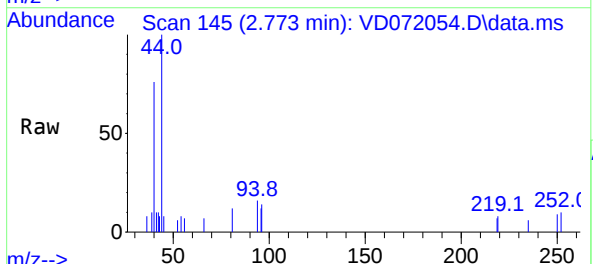
Instrument :
MSVOA_D
ClientSampleId :

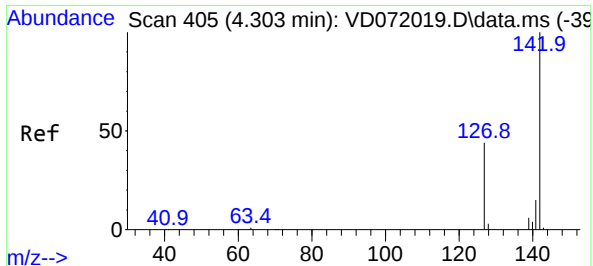
Tgt Ion:168 Resp: 394633
Ion Ratio Lower Upper
168 100
99 58.0 47.1 70.7



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.006 min
Lab File: VD072054.D
Acq: 22 Feb 2022 13:42

Tgt Ion: 94 Resp: 749
Ion Ratio Lower Upper
94 100
96 166.0 76.8 115.2#

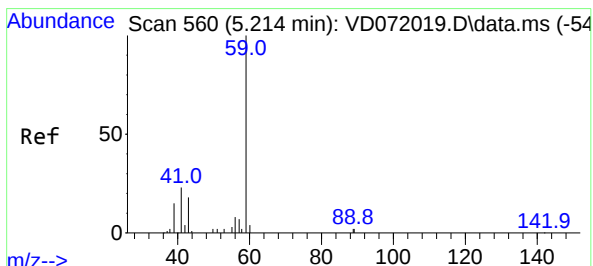
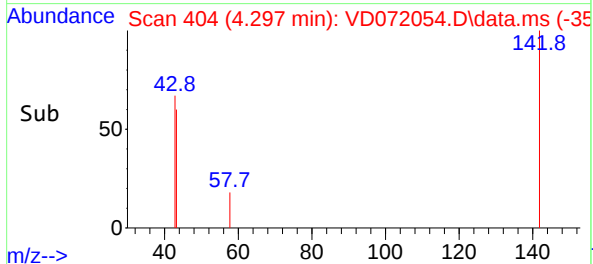
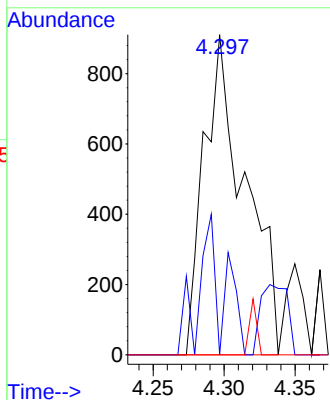
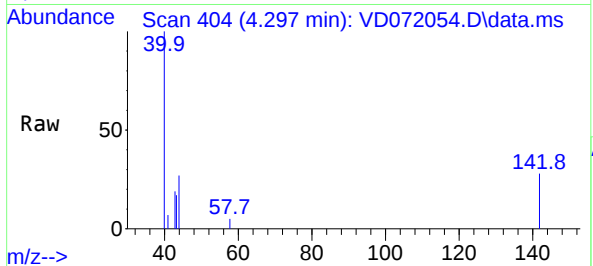




#10
Methyl Iodide
Concen: 3.310 ug/l
RT: 4.297 min Scan# 40
Delta R.T. -0.006 min
Lab File: VD072054.D
Acq: 22 Feb 2022 13:42

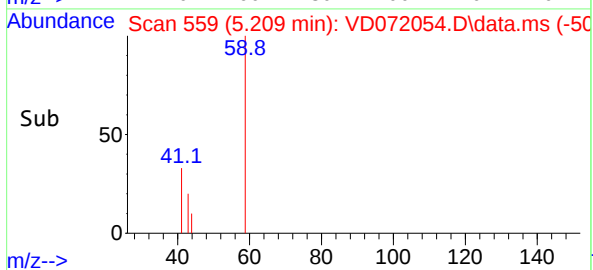
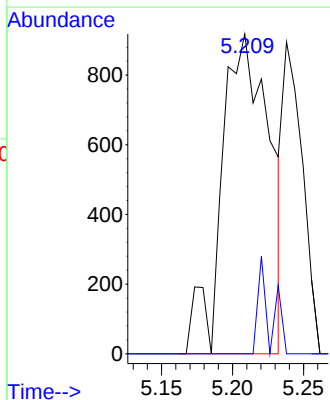
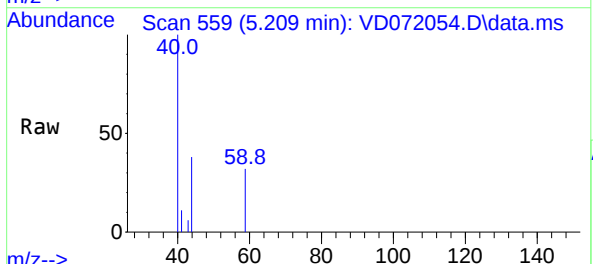
Instrument :
MSVOA_D
ClientSampleId :

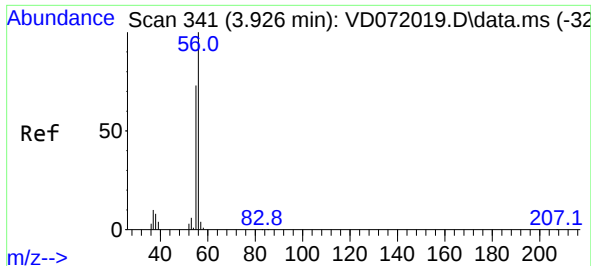
Tgt Ion:142 Resp: 1837
Ion Ratio Lower Upper
142 100
127 17.4 35.8 53.8#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 9.158 ug/l
RT: 5.209 min Scan# 559
Delta R.T. -0.006 min
Lab File: VD072054.D
Acq: 22 Feb 2022 13:42

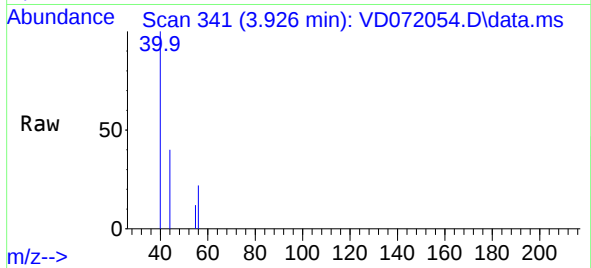
Tgt Ion: 59 Resp: 2139
Ion Ratio Lower Upper
59 100
57 7.9 5.4 8.2



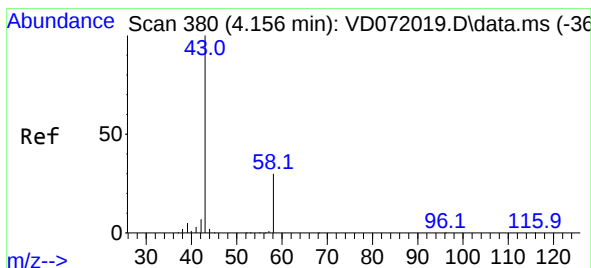
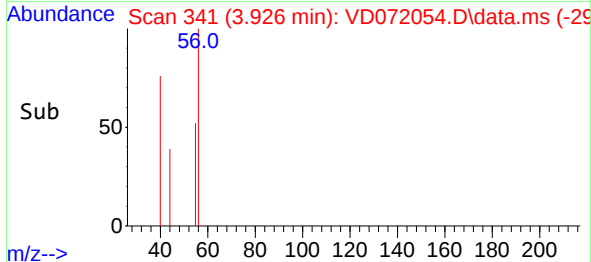
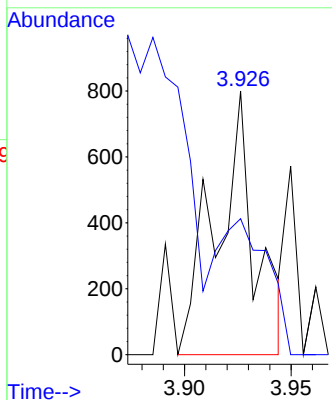


#13
Acrolein
Concen: 2.202 ug/l
RT: 3.926 min Scan# 341
Delta R.T. 0.000 min
Lab File: VD072054.D
Acq: 22 Feb 2022 13:42

Instrument :
MSVOA_D
ClientSampleId :

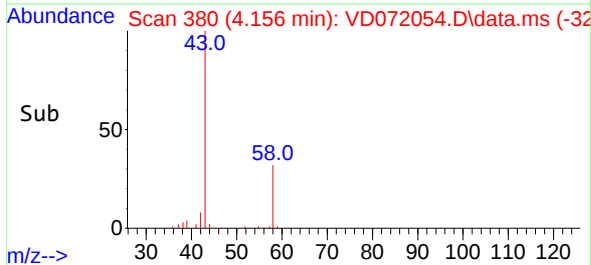
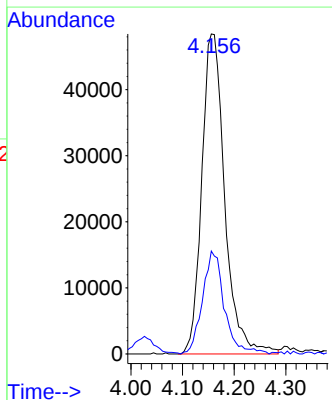
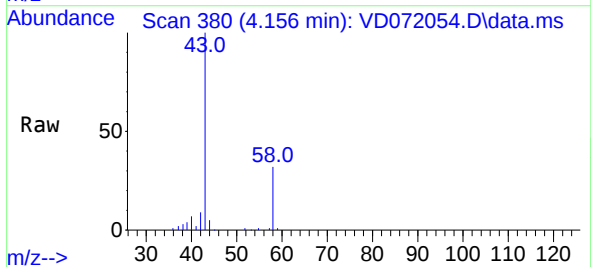


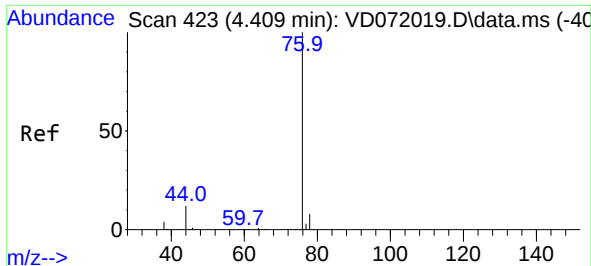
Tgt Ion: 56 Resp: 1014
Ion Ratio Lower Upper
56 100
55 57.0 55.8 83.6



#16
Acetone
Concen: 168.951 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD072054.D
Acq: 22 Feb 2022 13:42

Tgt Ion: 43 Resp: 149468
Ion Ratio Lower Upper
43 100
58 31.8 23.8 35.6

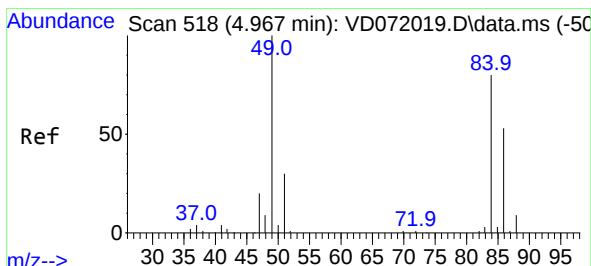
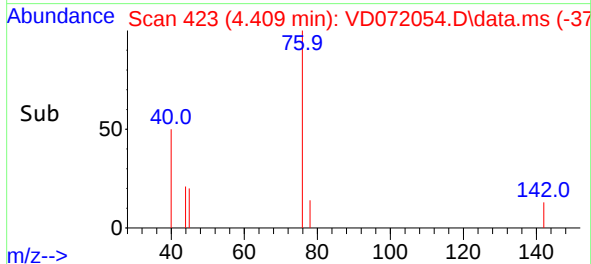
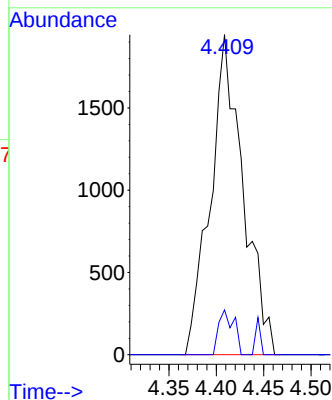
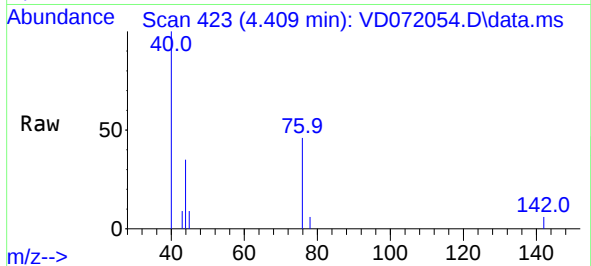




#17
Carbon Disulfide
Concen: 1.121 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD072054.D
Acq: 22 Feb 2022 13:42

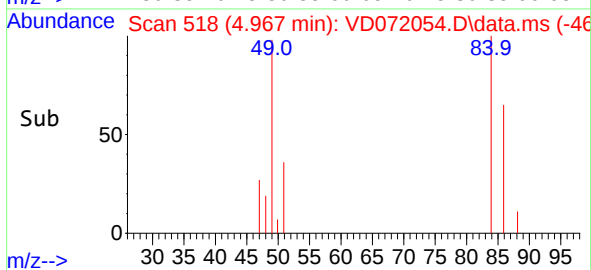
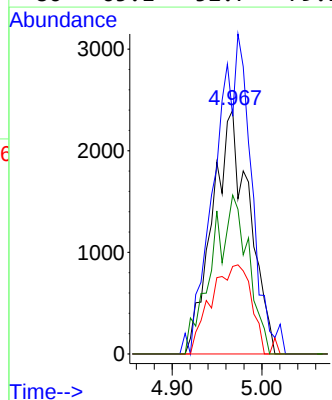
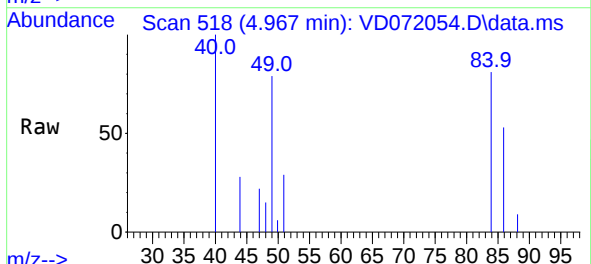
Instrument :
MSVOA_D
ClientSampleId :

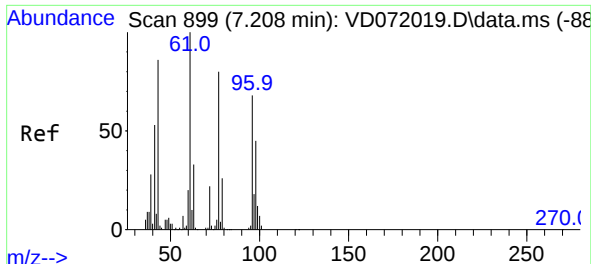
Tgt Ion: 76 Resp: 4676
Ion Ratio Lower Upper
76 100
78 14.0 6.7 10.1#



#20
Methylene Chloride
Concen: 1.555 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD072054.D
Acq: 22 Feb 2022 13:42

Tgt Ion: 84 Resp: 6846
Ion Ratio Lower Upper
84 100
49 97.5 100.0 150.0#
51 35.9 30.2 45.4
86 65.1 52.7 79.1





#25

2-Butanone

Concen: 44.647 ug/l

RT: 7.214 min Scan# 90

Delta R.T. 0.006 min

Lab File: VD072054.D

Acq: 22 Feb 2022 13:42

Instrument :

MSVOA_D

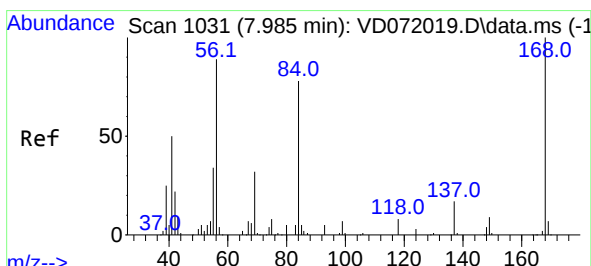
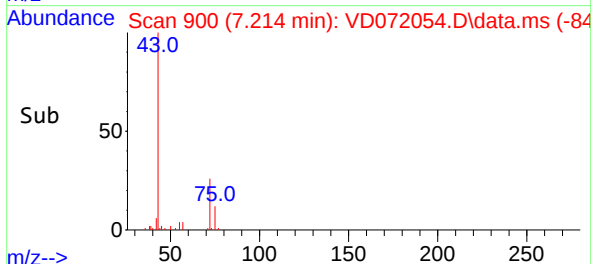
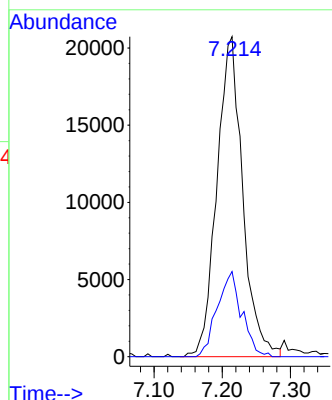
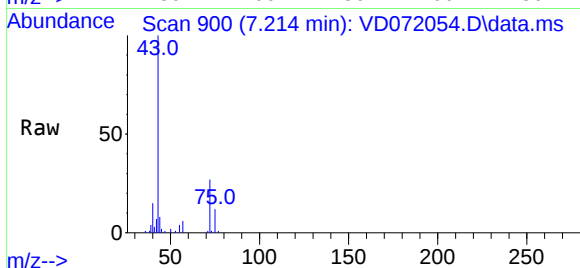
ClientSampleId :

Tgt Ion: 43 Resp: 54592

Ion Ratio Lower Upper

43 100

72 26.6 20.3 30.5



#31

Cyclohexane

Concen: 1.222 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD072054.D

Acq: 22 Feb 2022 13:42

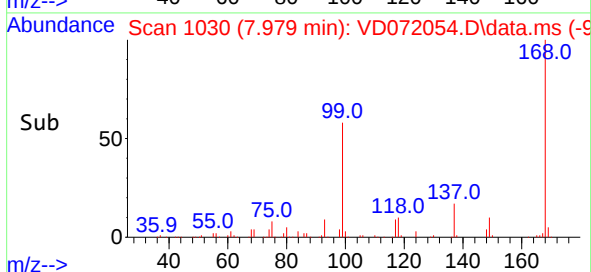
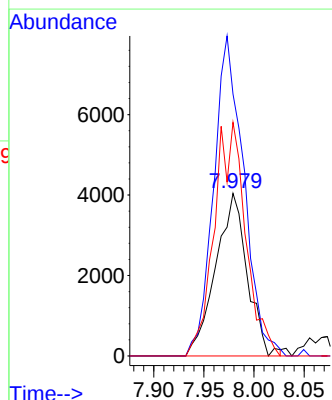
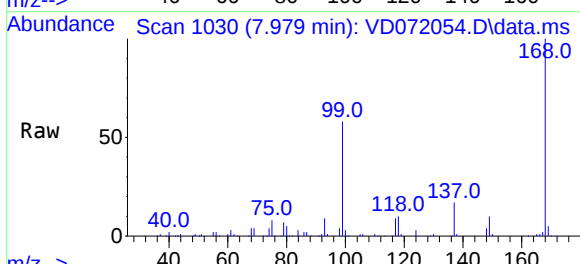
Tgt Ion: 56 Resp: 8839

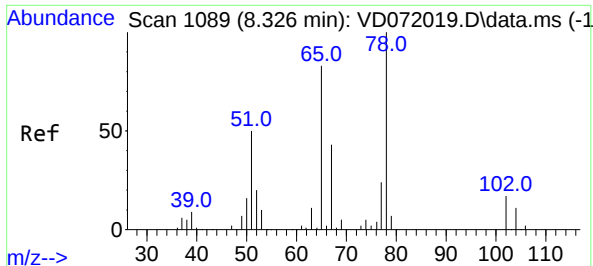
Ion Ratio Lower Upper

56 100

69 161.1 28.9 43.3#

84 143.7 70.6 105.8#

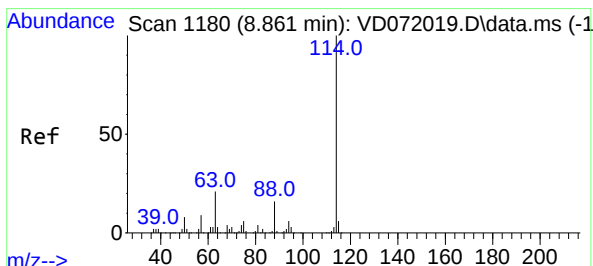
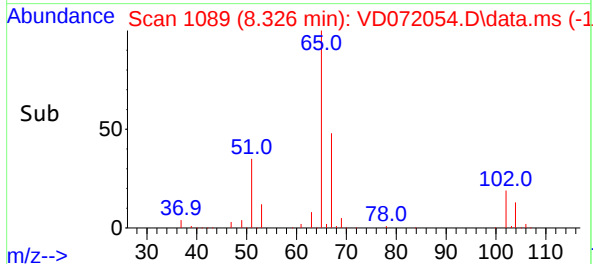
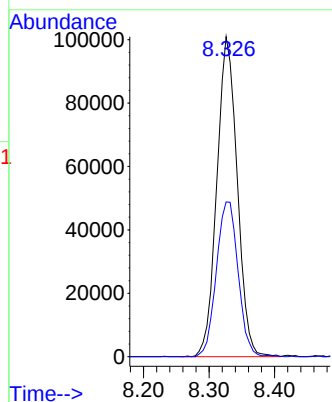
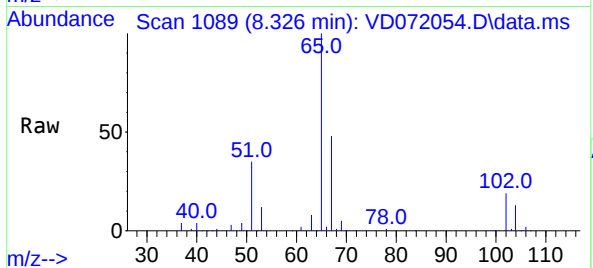




#33
1,2-Dichloroethane-d4
Concen: 53.188 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072054.D
Acq: 22 Feb 2022 13:42

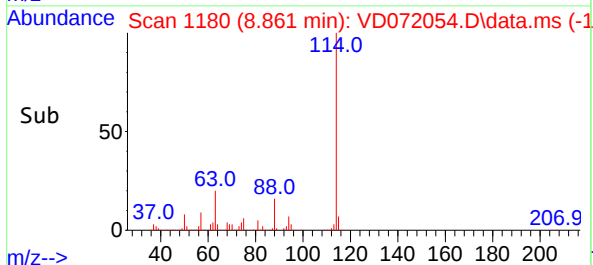
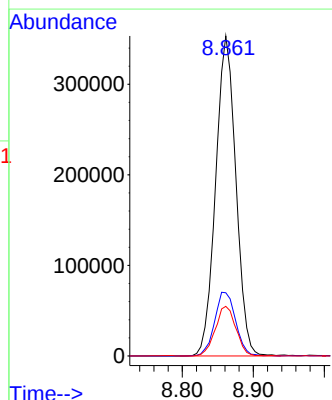
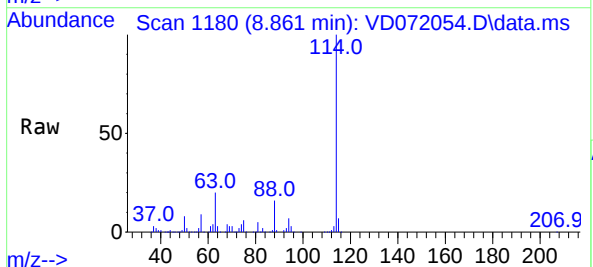
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MSVOA_D
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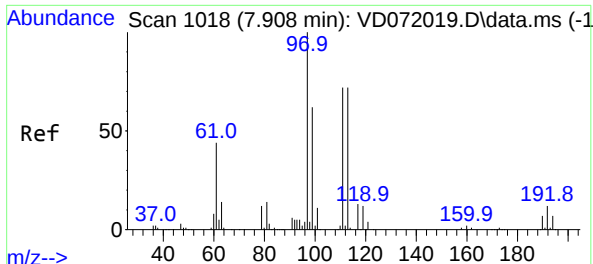
Tgt Ion: 65 Resp: 217724
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072054.D
Acq: 22 Feb 2022 13:42

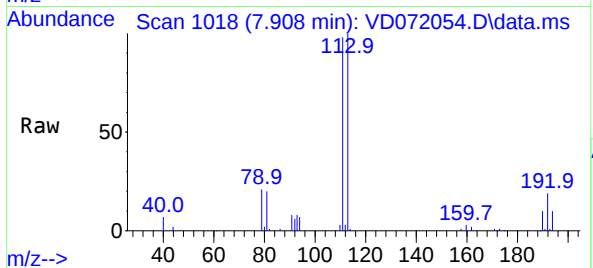
Tgt Ion: 114 Resp: 697215
Ion Ratio Lower Upper
114 100
63 19.7 0.0 42.2
88 15.5 0.0 31.2



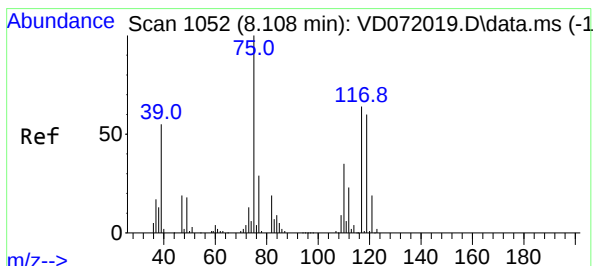
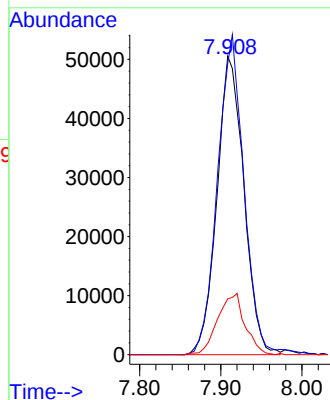
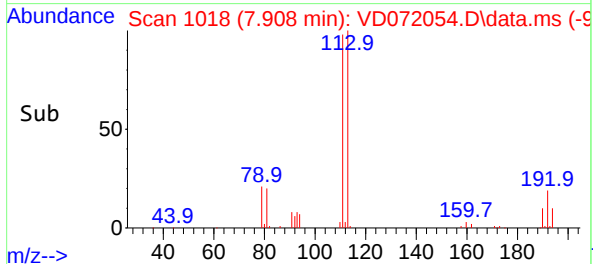


#35
Dibromofluoromethane
Concen: 27.638 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD072054.D
Acq: 22 Feb 2022 13:42

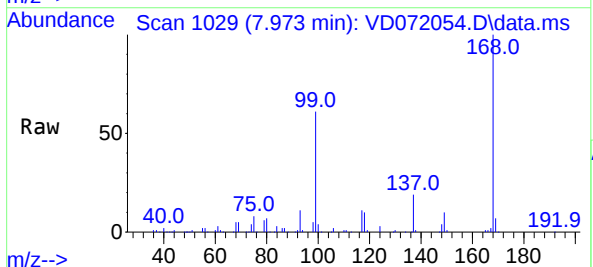
Instrument :
MSVOA_D
ClientSampleId :



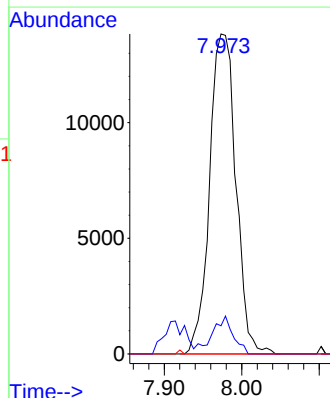
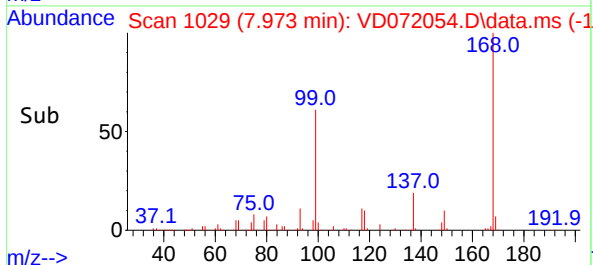
Tgt Ion:113 Resp: 116750
Ion Ratio Lower Upper
113 100
111 105.6 83.0 124.4
192 20.7 15.3 22.9

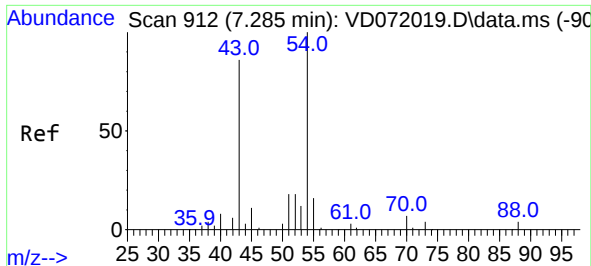


#36
1,1-Dichloropropene
Concen: 5.095 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072054.D
Acq: 22 Feb 2022 13:42



Tgt Ion: 75 Resp: 32602
Ion Ratio Lower Upper
75 100
110 8.6 17.7 53.1#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 18.398 ug/l

RT: 7.214 min Scan# 90

Delta R.T. -0.071 min

Lab File: VD072054.D

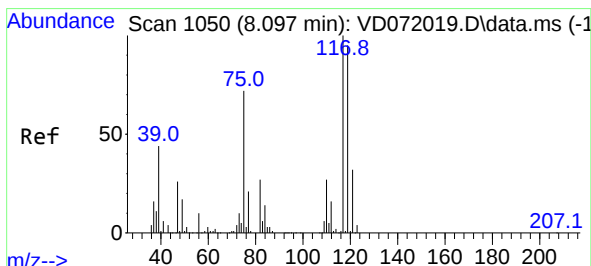
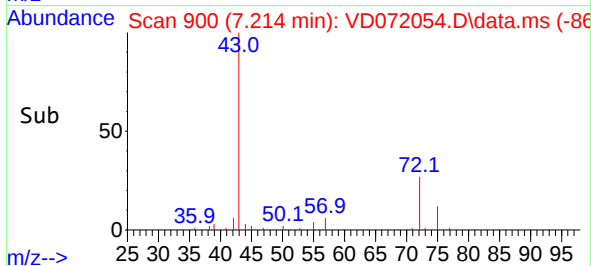
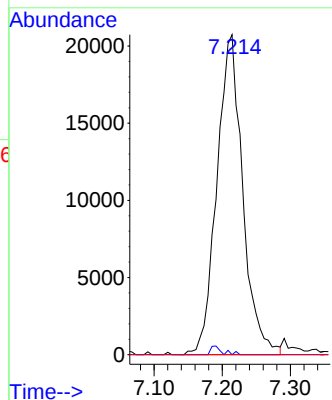
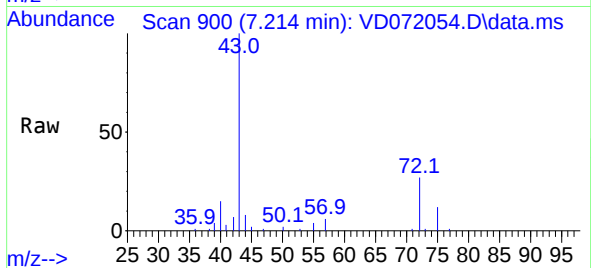
Acq: 22 Feb 2022 13:42

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 43	Resp: 54592
Ion Ratio	Lower Upper
43 100	
61 0.0	9.8 14.8#
70 0.0	7.4 11.2#



#38

Carbon Tetrachloride

Concen: 6.286 ug/l

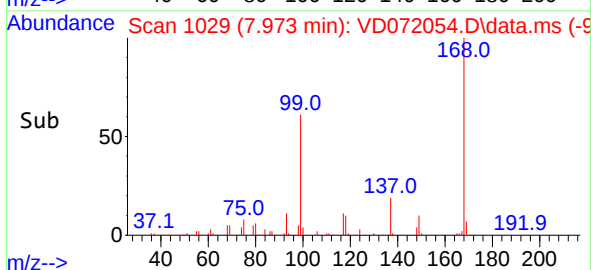
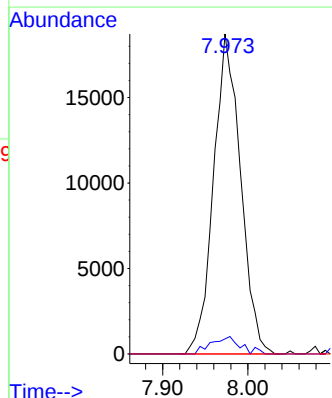
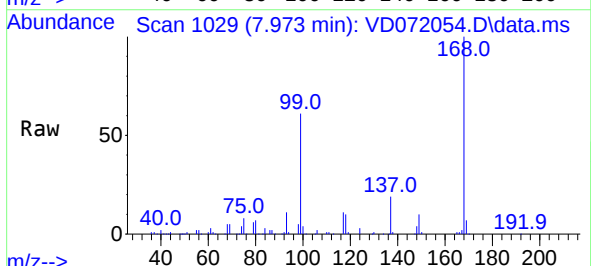
RT: 7.973 min Scan# 1029

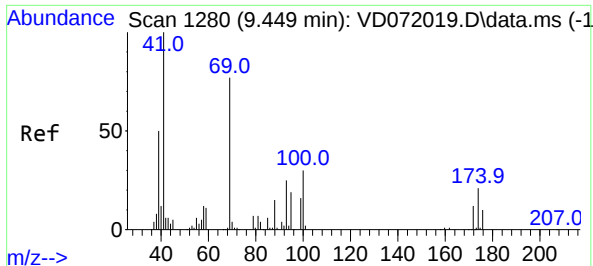
Delta R.T. -0.123 min

Lab File: VD072054.D

Acq: 22 Feb 2022 13:42

Tgt Ion: 117	Resp: 41227
Ion Ratio	Lower Upper
117 100	
119 4.7	75.8 113.8#
121 0.0	25.8 38.6#





#48

Methyl methacrylate

Concen: 2.374 ug/l

RT: 9.426 min Scan# 11

Delta R.T. -0.023 min

Lab File: VD072054.D

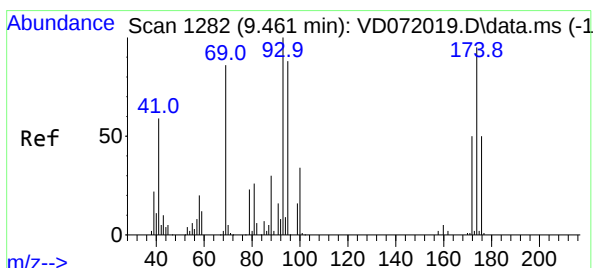
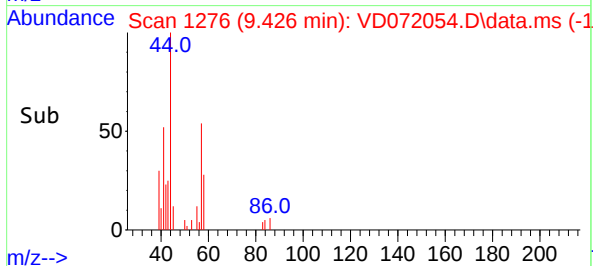
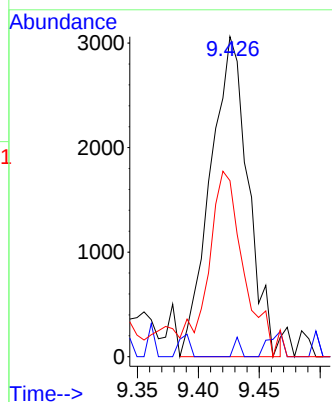
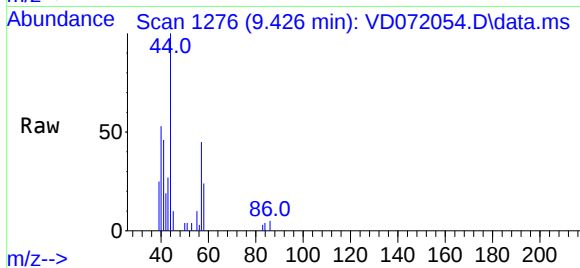
Acq: 22 Feb 2022 13:42

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	41	Resp:	6627
Ion	Ratio	Lower	Upper
41	100		
69	1.0	61.6	92.4#
39	54.5	38.6	57.8



#49

1,4-Dioxane

Concen: 8.789 ug/l

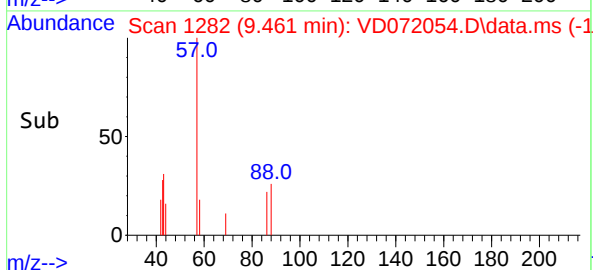
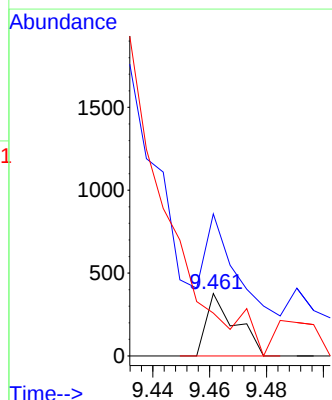
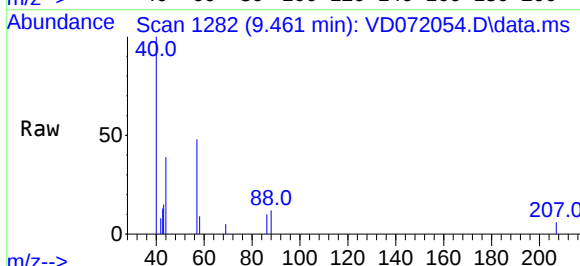
RT: 9.461 min Scan# 1282

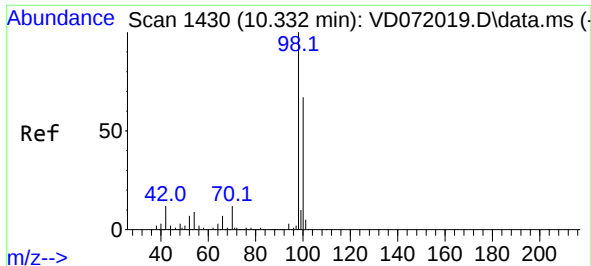
Delta R.T. 0.000 min

Lab File: VD072054.D

Acq: 22 Feb 2022 13:42

Tgt Ion:	88	Resp:	265
Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.9	44.9#
58	0.0	61.0	91.4#

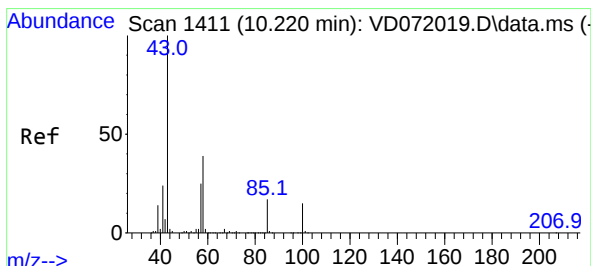
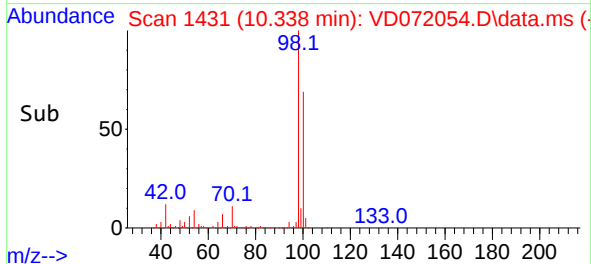
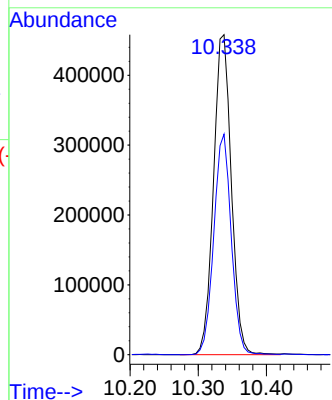
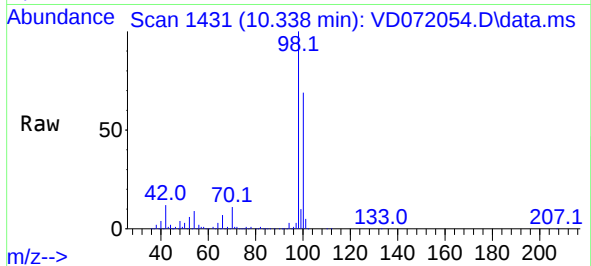




#50
Toluene-d8
Concen: 53.252 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD072054.D
Acq: 22 Feb 2022 13:42

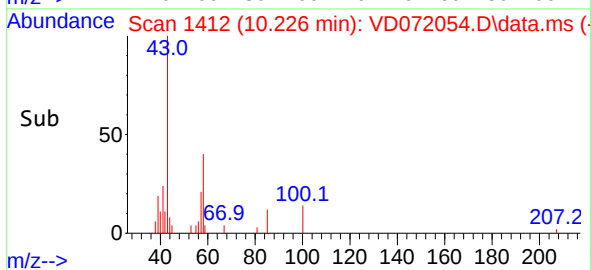
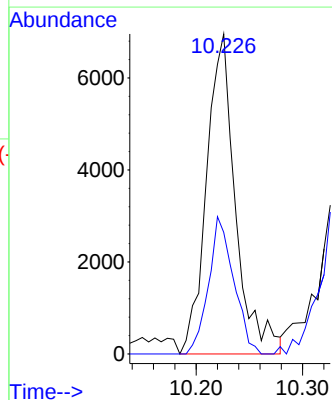
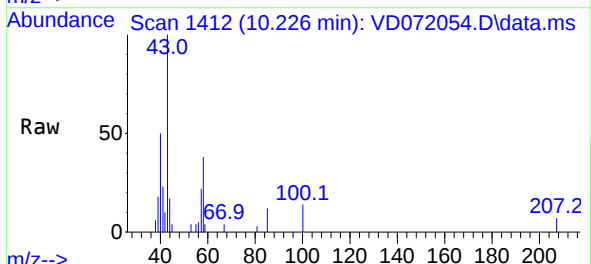
Instrument :
MSVOA_D
ClientSampleId :

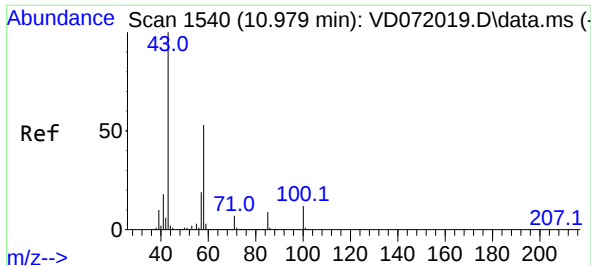
Tgt Ion: 98 Resp: 834206
Ion Ratio Lower Upper
98 100
100 67.4 53.8 80.6



#51
4-Methyl-2-Pentanone
Concen: 4.488 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.006 min
Lab File: VD072054.D
Acq: 22 Feb 2022 13:42

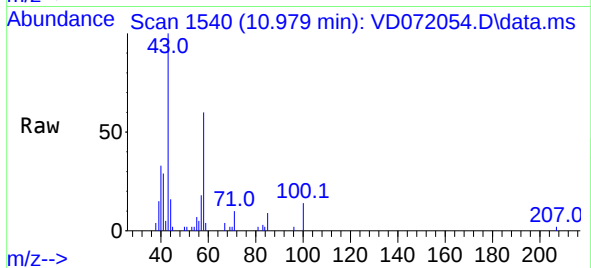
Tgt Ion: 43 Resp: 13143
Ion Ratio Lower Upper
43 100
58 37.2 30.8 46.2



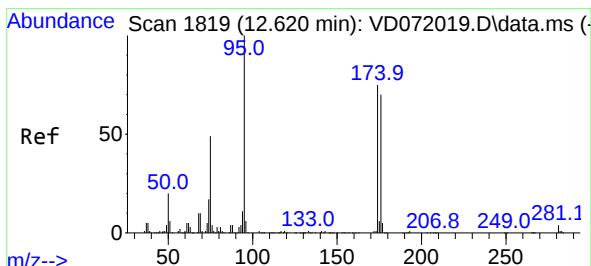
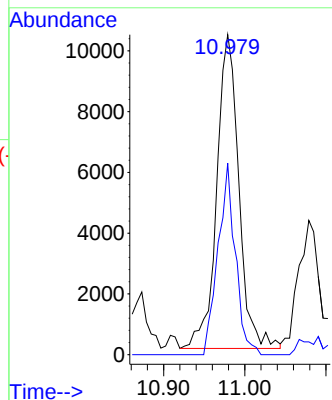
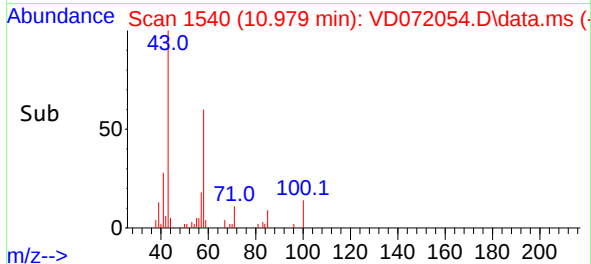


#59
2-Hexanone
Concen: 9.814 ug/l
RT: 10.979 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD072054.D
Acq: 22 Feb 2022 13:42

Instrument :
MSVOA_D
ClientSampleId :

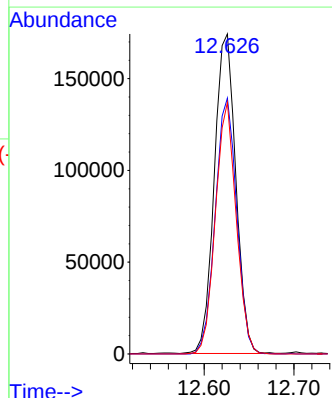
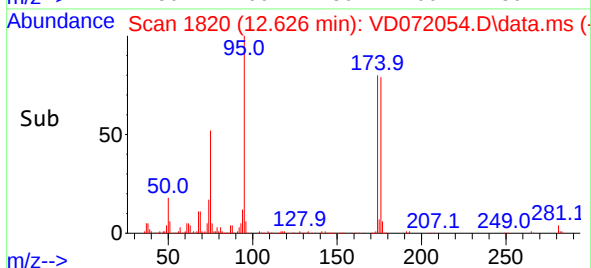
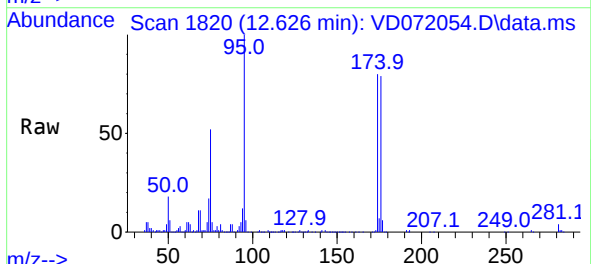


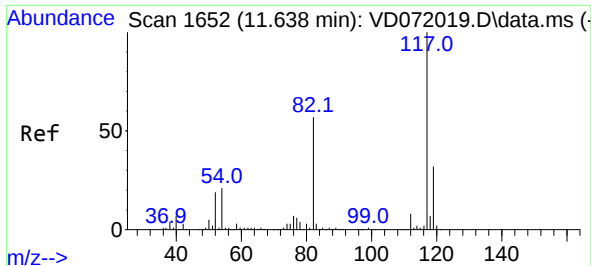
Tgt Ion: 43 Resp: 19602
Ion Ratio Lower Upper
43 100
58 47.8 27.0 80.8



#62
4-Bromofluorobenzene
Concen: 50.396 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072054.D
Acq: 22 Feb 2022 13:42

Tgt Ion: 95 Resp: 289989
Ion Ratio Lower Upper
95 100
174 79.9 0.0 155.0
176 75.8 0.0 148.8

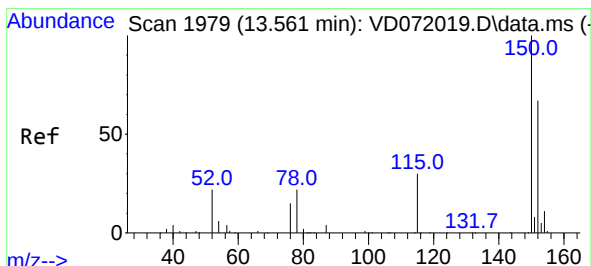
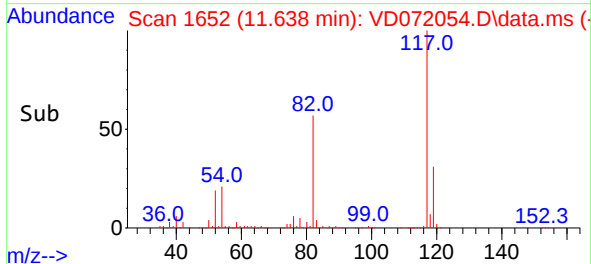
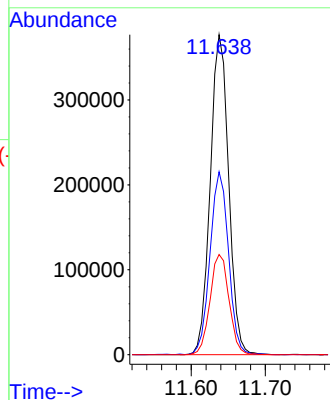
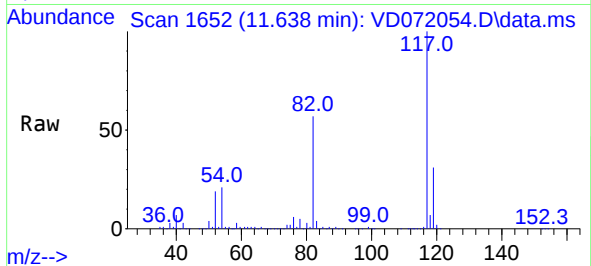




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD072054.D
Acq: 22 Feb 2022 13:42

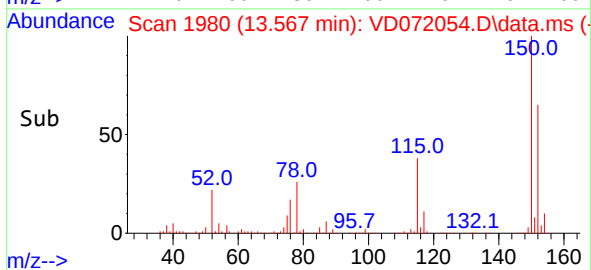
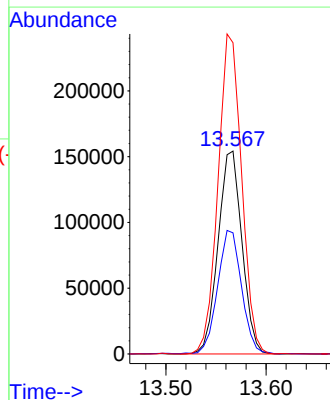
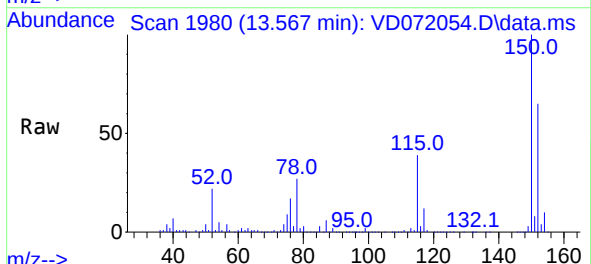
Instrument :
MSVOA_D
ClientSampleId :

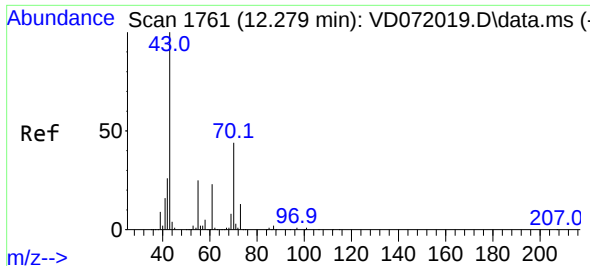
Tgt Ion:117 Resp: 649718
Ion Ratio Lower Upper
117 100
82 57.1 45.4 68.0
119 31.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD072054.D
Acq: 22 Feb 2022 13:42

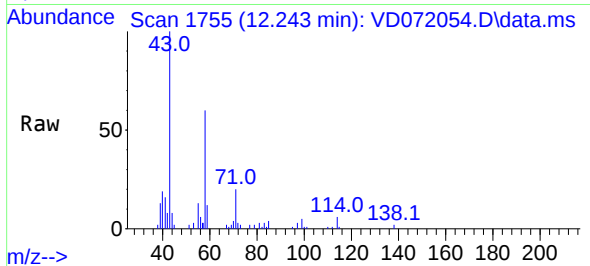
Tgt Ion:152 Resp: 254604
Ion Ratio Lower Upper
152 100
115 60.7 29.9 89.7
150 156.2 0.0 347.6



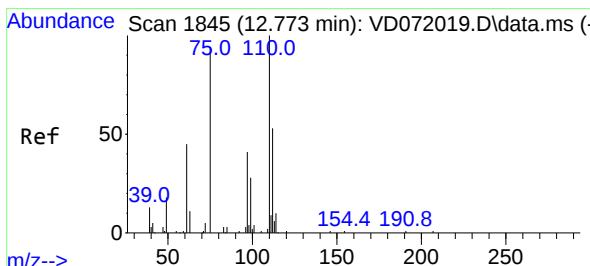
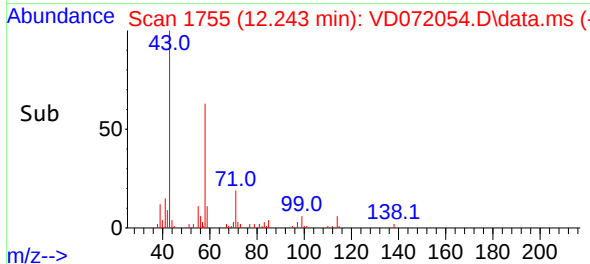
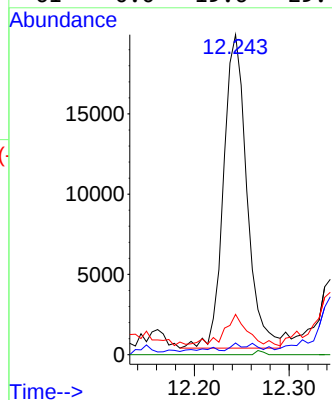


#74
N-amy1 acetate
Concen: 7.912 ug/l
RT: 12.243 min Scan# 11
Delta R.T. -0.035 min
Lab File: VD072054.D
Acq: 22 Feb 2022 13:42

Instrument :
MSVOA_D
ClientSampleId :

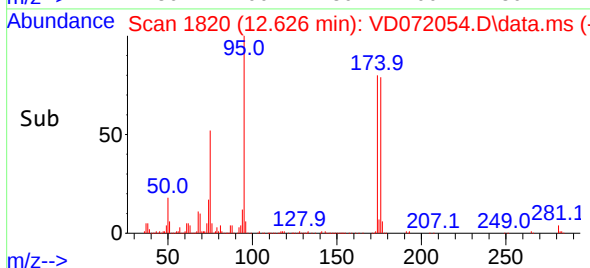
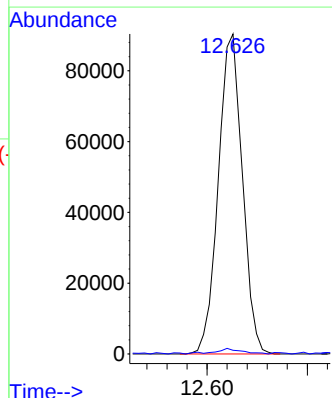
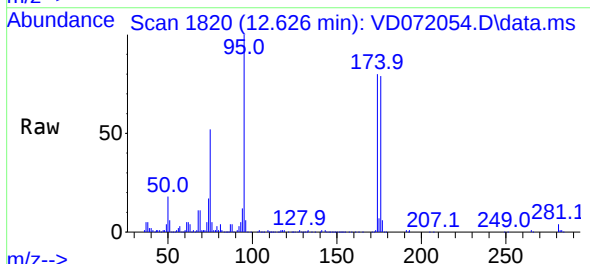


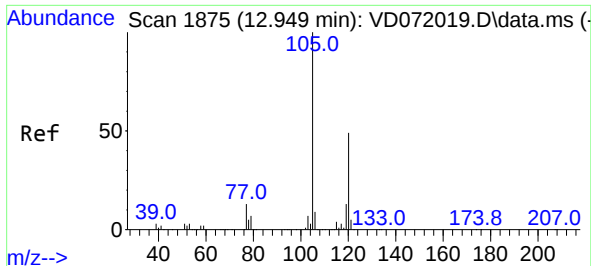
Tgt Ion: 43 Resp: 33396
Ion Ratio Lower Upper
43 100
70 1.2 33.2 49.8#
55 9.5 20.6 30.8#
61 0.0 19.6 29.4#



#76
1,2,3-Trichloropropane
Concen: 62.302 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072054.D
Acq: 22 Feb 2022 13:42

Tgt Ion: 75 Resp: 150251
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#

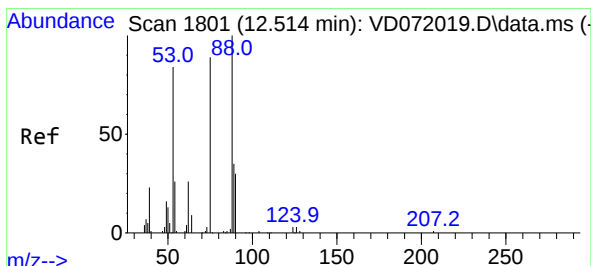
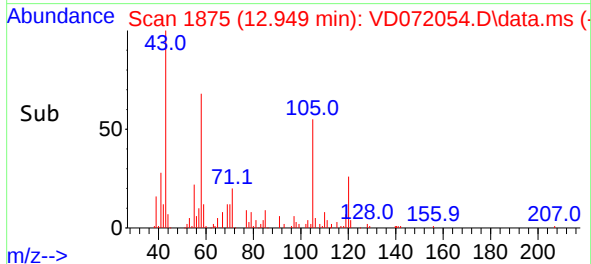
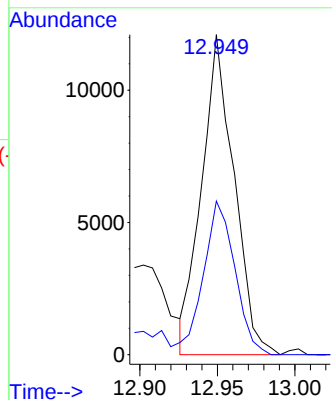
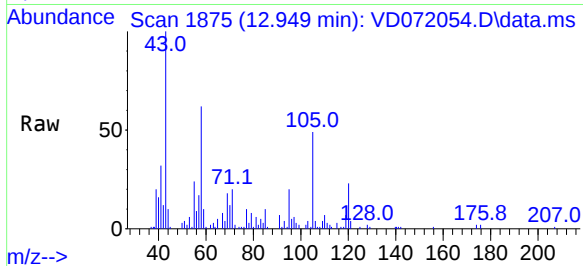




#80
1,3,5-Trimethylbenzene
Concen: 1.203 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD072054.D
Acq: 22 Feb 2022 13:42

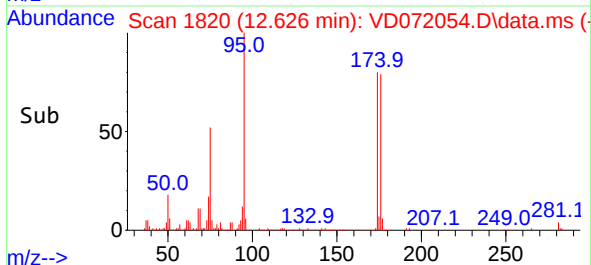
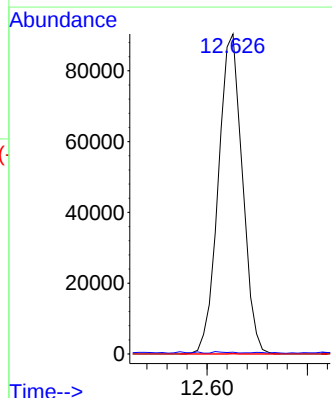
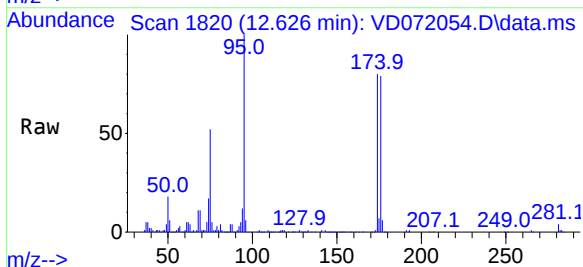
Instrument :
MSVOA_D
ClientSampleId :

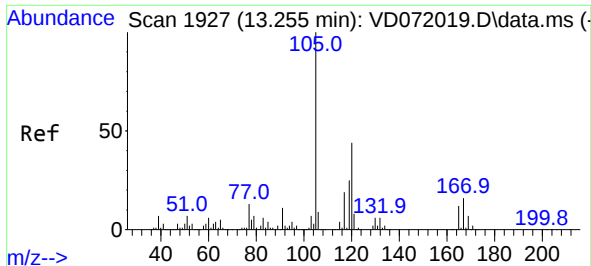
Tgt Ion:105 Resp: 17565
Ion Ratio Lower Upper
105 100
120 47.1 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 156.017 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.112 min
Lab File: VD072054.D
Acq: 22 Feb 2022 13:42

Tgt Ion: 75 Resp: 150251
Ion Ratio Lower Upper
75 100
53 0.3 80.2 120.4#
89 0.0 36.4 54.6#

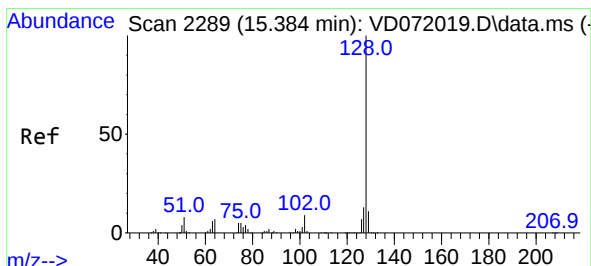
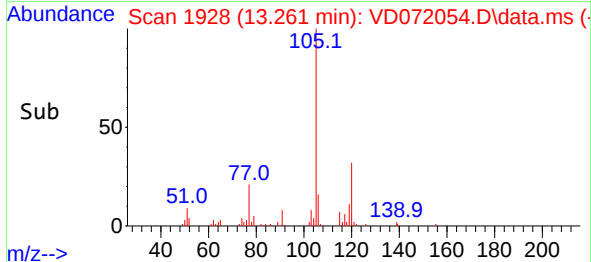
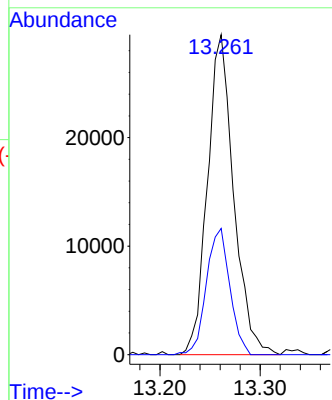
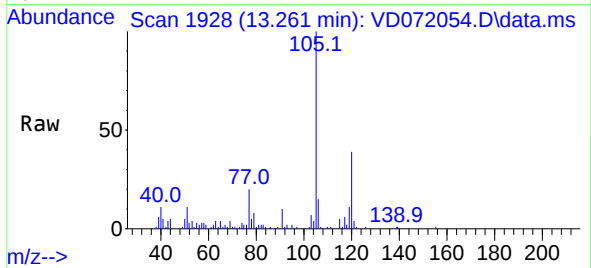




#84
1,2,4-Trimethylbenzene
Concen: 3.739 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.006 min
Lab File: VD072054.D
Acq: 22 Feb 2022 13:42

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:105 Resp: 53648
Ion Ratio Lower Upper
105 100
120 35.2 22.4 67.3



#95
Naphthalene
Concen: 3.540 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD072054.D
Acq: 22 Feb 2022 13:42

Tgt Ion:128 Resp: 28646
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 10.9 8.7 13.1

