

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032322\
 Data File : VD072391.D
 Acq On : 23 Mar 2022 18:37
 Operator : VA/SY
 Sample : N2077-01
 Misc : 4.62G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 24 00:54:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

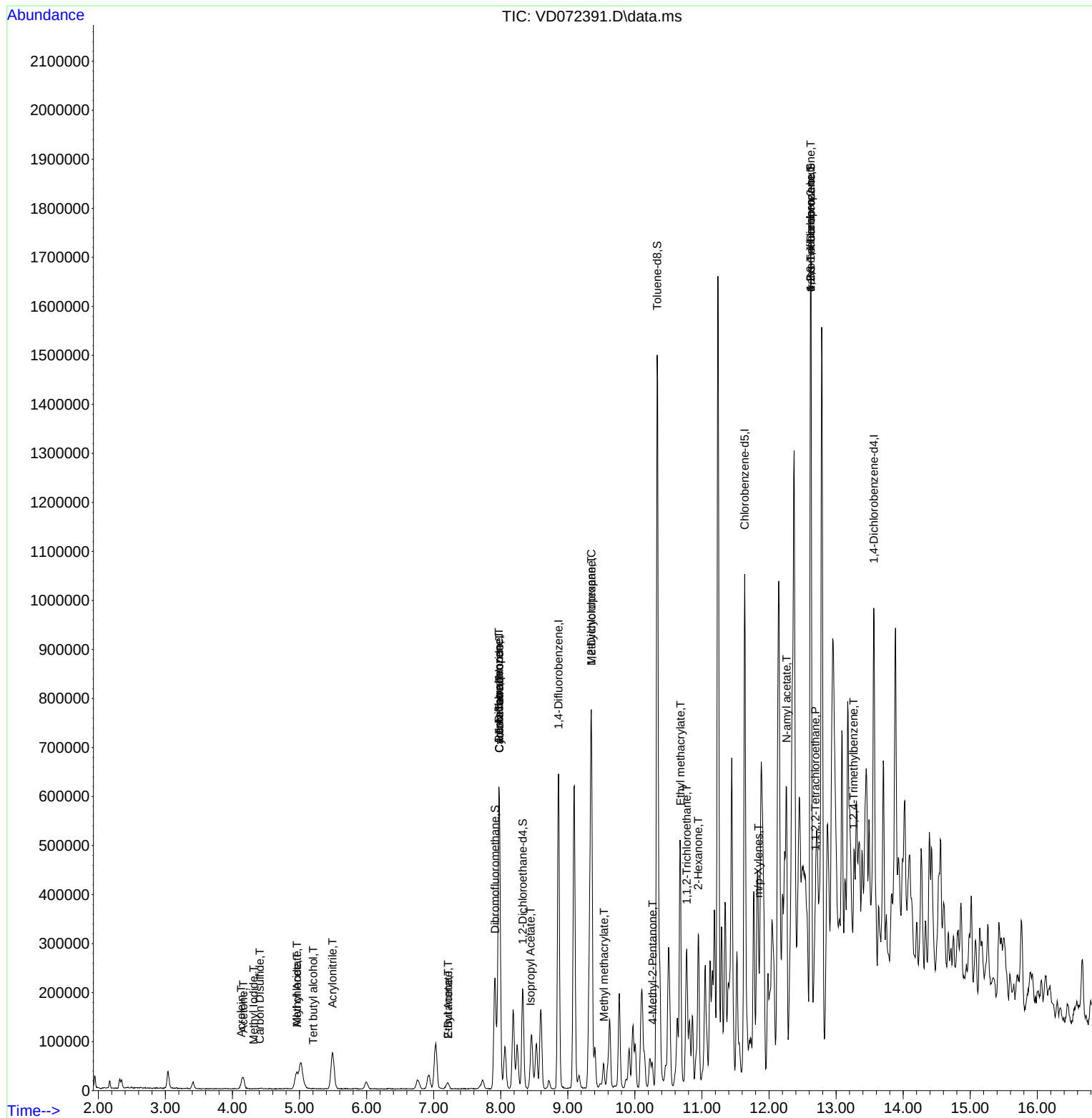
Internal Standards						
1) Pentafluorobenzene	7.973	168	325844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	541015	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	551830	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	198577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	160309	44.146	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.300%		
35) Dibromofluoromethane	7.915	113	164301	43.156	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.320%		
50) Toluene-d8	10.332	98	699937	50.279	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.560%		
62) 4-Bromofluorobenzene	12.620	95	281112	51.971	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.940%		
Target Compounds					Qvalue	
10) Methyl Iodide	4.315	142	151	2.270	ug/l #	87
11) Tert butyl alcohol	5.203	59	601	2.854	ug/l #	74
13) Acrolein	4.132	56	2494	13.275	ug/l #	53
14) Allyl chloride	4.962	41	11569	2.209	ug/l #	52
15) Acrylonitrile	5.491	53	3216	3.953	ug/l #	41
16) Acetone	4.162	43	38183	48.429	ug/l	100
17) Carbon Disulfide	4.409	76	2595	1.861	ug/l #	74
18) Methyl Acetate	4.962	43	23334	12.077	ug/l #	55
20) Methylene Chloride	4.956	84	10269	Below Cal	#	76
25) 2-Butanone	7.215	43	12246	11.649	ug/l	91
31) Cyclohexane	7.979	56	103315	18.210	ug/l #	90
36) 1,1-Dichloropropene	7.973	75	26857	5.029	ug/l #	58
37) Ethyl Acetate	7.215	43	12246	5.234	ug/l #	72
38) Carbon Tetrachloride	7.979	117	35162	5.792	ug/l #	17
39) Methylcyclohexane	9.350	83	288018	47.922	ug/l	91
43) Isopropyl Acetate	8.444	43	20579	4.532	ug/l #	54
45) 1,2-Dichloropropane	9.350	63	4861	1.163	ug/l #	1
48) Methyl methacrylate	9.538	41	10461	4.825	ug/l #	40
51) 4-Methyl-2-Pentanone	10.267	43	2425	1.017	ug/l	97
55) 1,1,2-Trichloroethane	10.773	97	96730	30.891	ug/l #	22
56) Ethyl methacrylate	10.679	69	46624	12.712	ug/l #	10
59) 2-Hexanone	10.944	43	120608	73.217	ug/l #	33
68) m/p-Xylenes	11.844	106	10110	1.219	ug/l	80
74) N-amyl acetate	12.261	43	149902	44.327	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.691	83	22521	8.002	ug/l #	25
76) 1,2,3-Trichloropropane	12.620	75	138350	63.160	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	138350	156.706	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.261	105	20592	1.546	ug/l	97

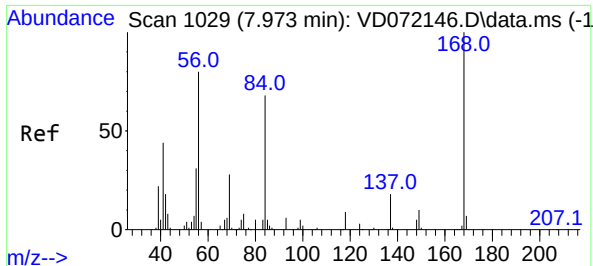
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032322\
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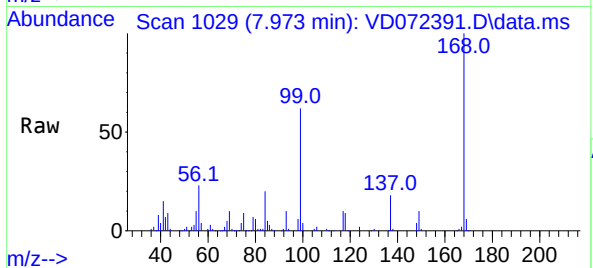
Quant Time: Mar 24 00:54:26 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260
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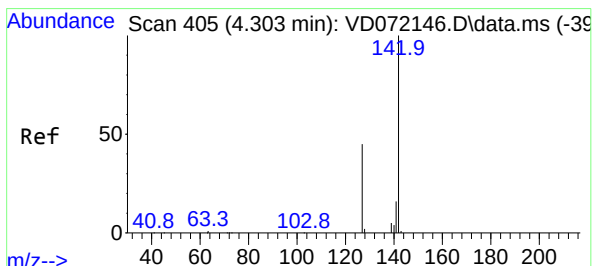
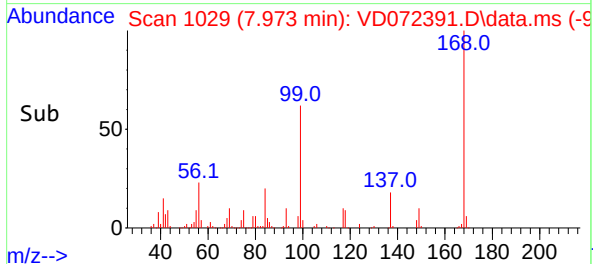
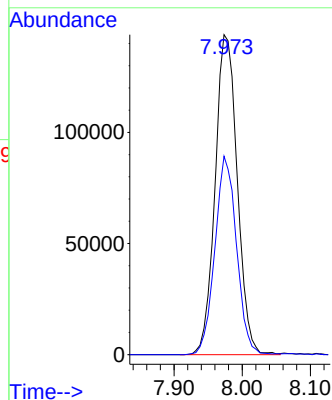


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD072391.D
Acq: 23 Mar 2022 18:37

Instrument :
MSVOA_D
ClientSampleId :

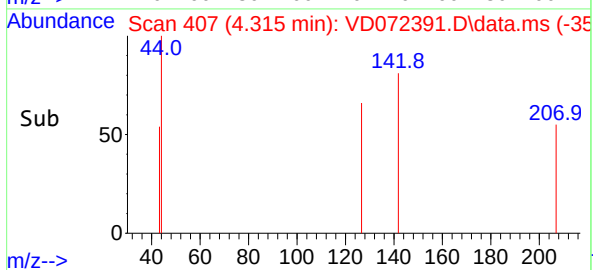
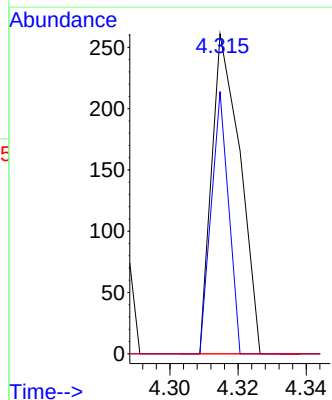
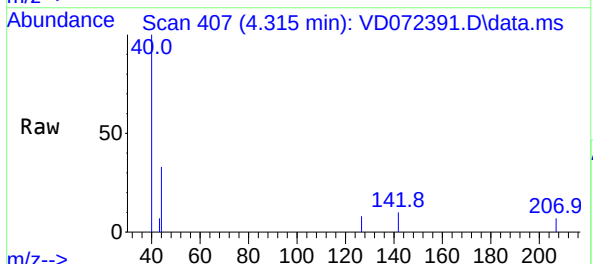


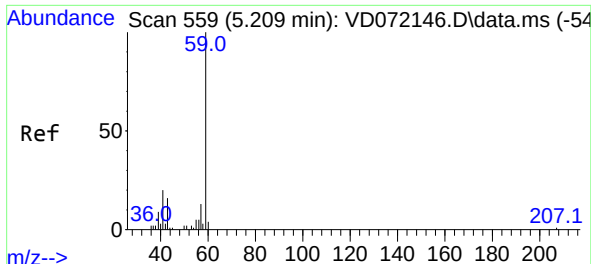
Tgt Ion:168 Resp: 325844
Ion Ratio Lower Upper
168 100
99 62.0 49.8 74.6



#10
Methyl Iodide
Concen: 2.270 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD072391.D
Acq: 23 Mar 2022 18:37

Tgt Ion:142 Resp: 151
Ion Ratio Lower Upper
142 100
127 50.3 37.3 55.9
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 2.854 ug/l

RT: 5.203 min Scan# 51

Delta R.T. -0.006 min

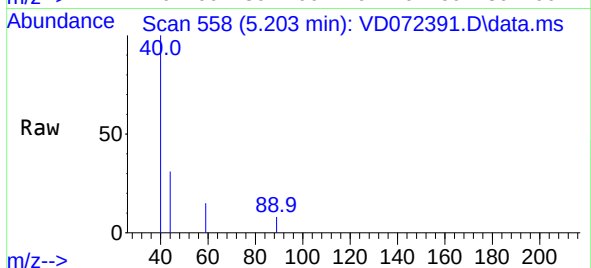
Lab File: VD072391.D

Acq: 23 Mar 2022 18:37

Instrument :

MSVOA_D

ClientSampleId :

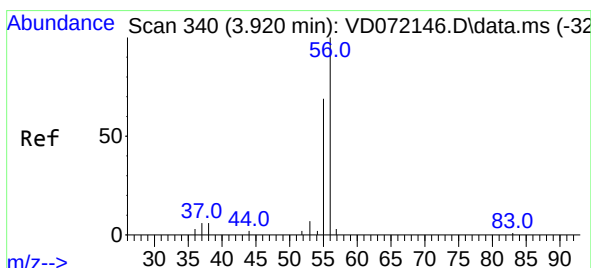
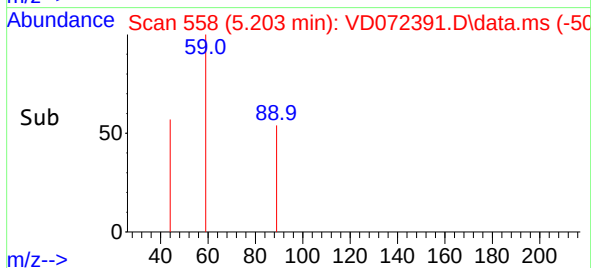
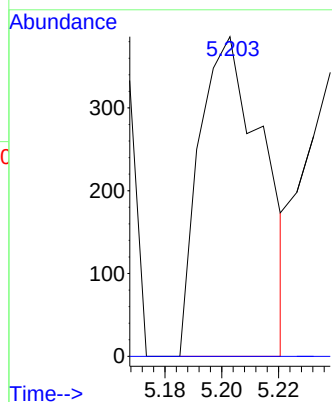


Tgt Ion: 59 Resp: 601

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#13

Acrolein

Concen: 13.275 ug/l

RT: 4.132 min Scan# 376

Delta R.T. 0.212 min

Lab File: VD072391.D

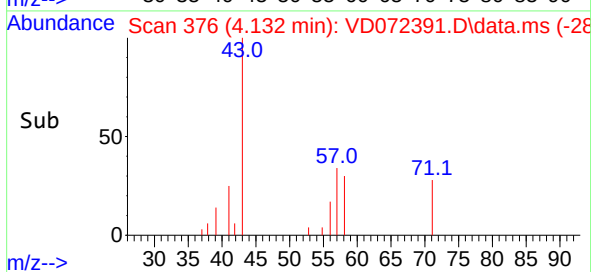
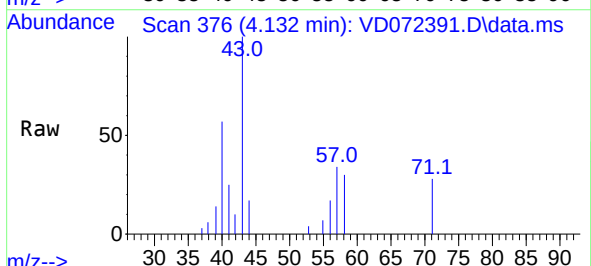
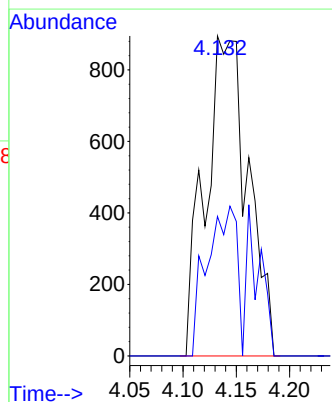
Acq: 23 Mar 2022 18:37

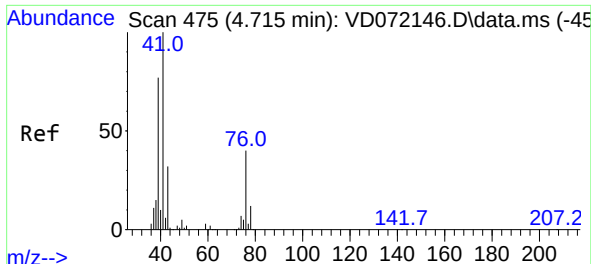
Tgt Ion: 56 Resp: 2494

Ion Ratio Lower Upper

56 100

55 32.7 57.1 85.7#





#14

Allyl chloride

Concen: 2.209 ug/l

RT: 4.962 min Scan# 517

Delta R.T. 0.247 min

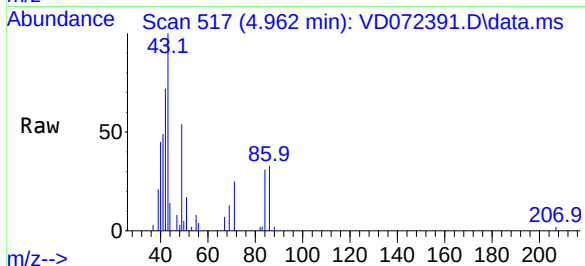
Lab File: VD072391.D

Acq: 23 Mar 2022 18:37

Instrument :

MSVOA_D

ClientSampleId :



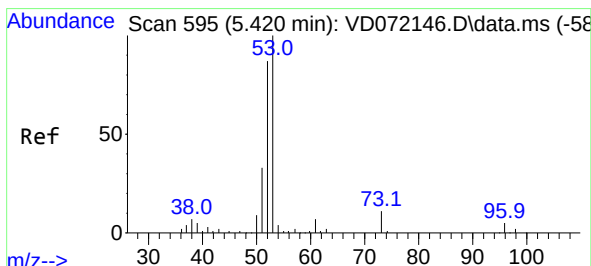
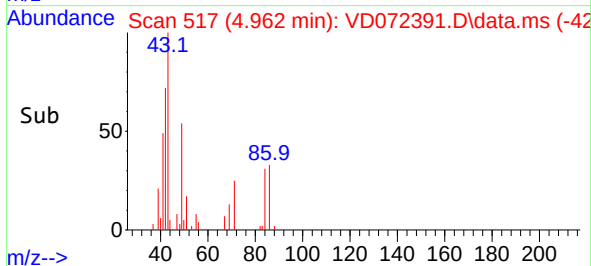
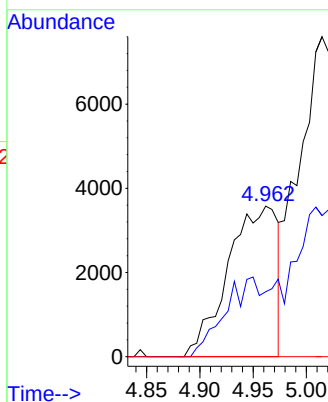
Tgt Ion: 41 Resp: 11569

Ion Ratio Lower Upper

41 100

39 36.8 59.3 88.9#

76 0.0 25.7 38.5#



#15

Acrylonitrile

Concen: 3.953 ug/l

RT: 5.491 min Scan# 607

Delta R.T. 0.071 min

Lab File: VD072391.D

Acq: 23 Mar 2022 18:37

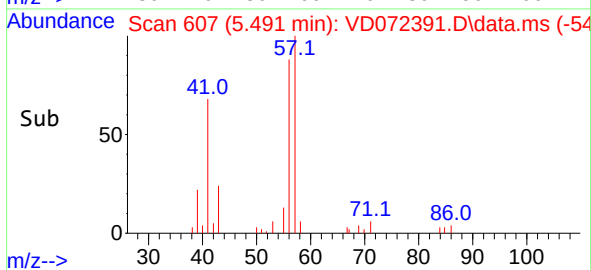
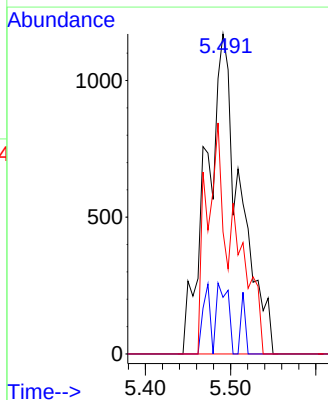
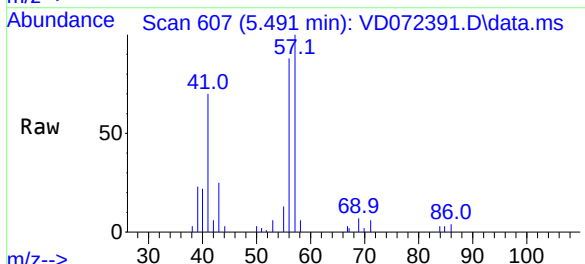
Tgt Ion: 53 Resp: 3216

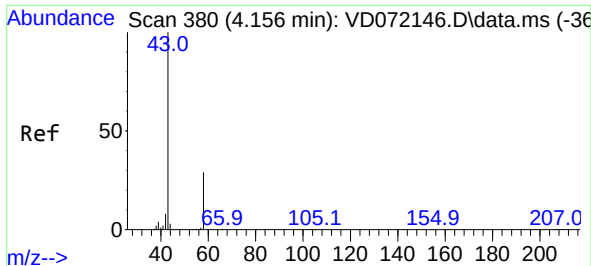
Ion Ratio Lower Upper

53 100

52 7.7 67.2 100.8#

51 36.4 30.3 45.5

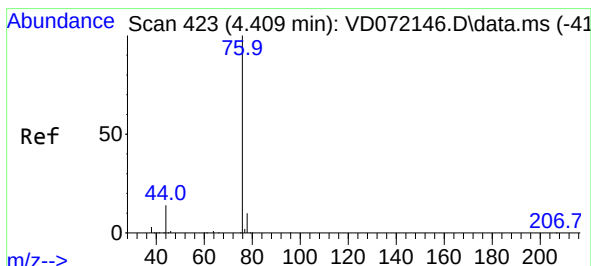
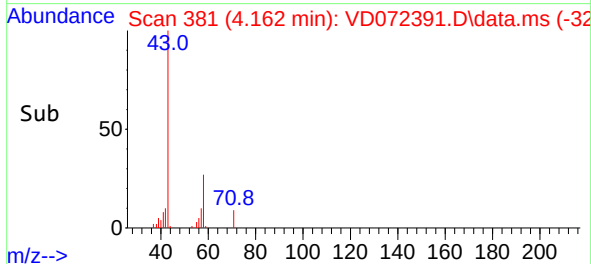
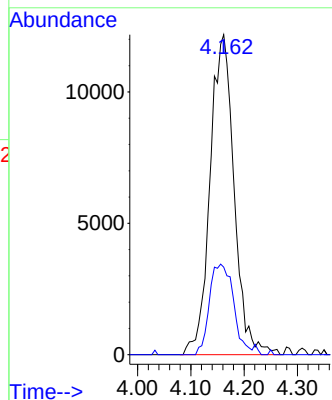
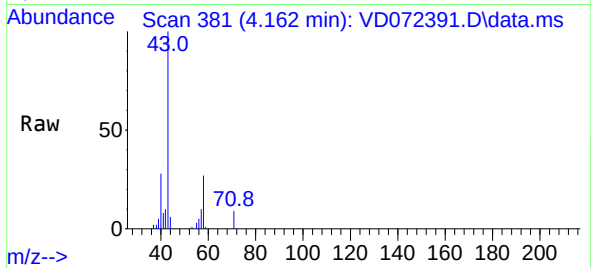




#16
Acetone
Concen: 48.429 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072391.D
Acq: 23 Mar 2022 18:37

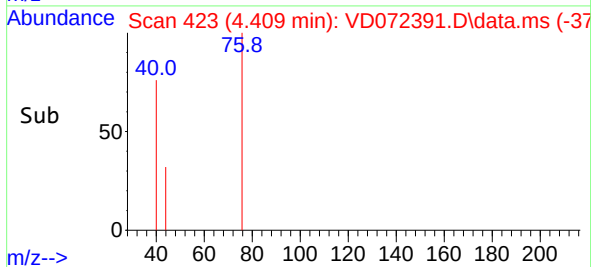
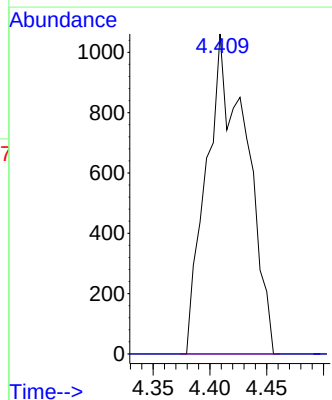
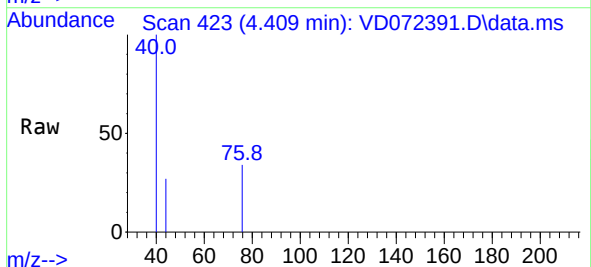
Instrument :
MSVOA_D
ClientSampleId :

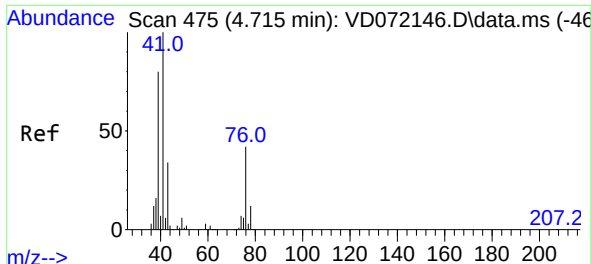
Tgt Ion: 43 Resp: 38183
Ion Ratio Lower Upper
43 100
58 27.4 22.1 33.1



#17
Carbon Disulfide
Concen: 1.861 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD072391.D
Acq: 23 Mar 2022 18:37

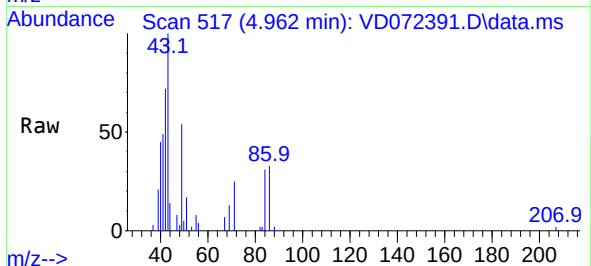
Tgt Ion: 76 Resp: 2595
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



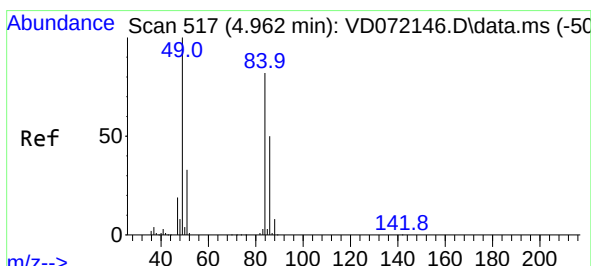
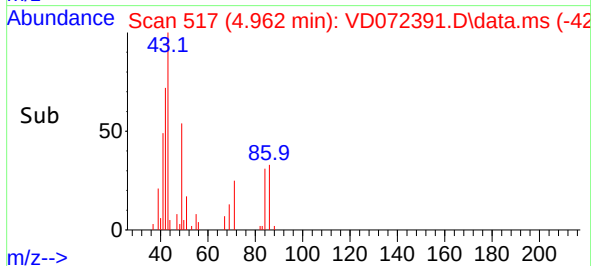
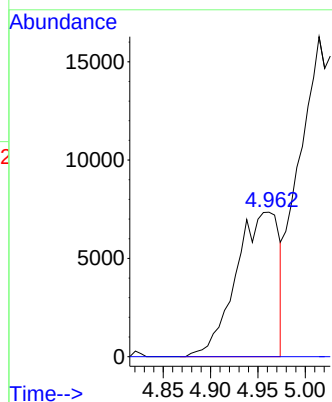


#18
Methyl Acetate
Concen: 12.077 ug/l
RT: 4.962 min Scan# 516
Delta R.T. 0.247 min
Lab File: VD072391.D
Acq: 23 Mar 2022 18:37

Instrument :
MSVOA_D
ClientSampleId :

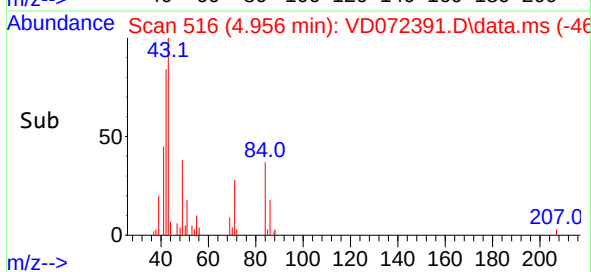
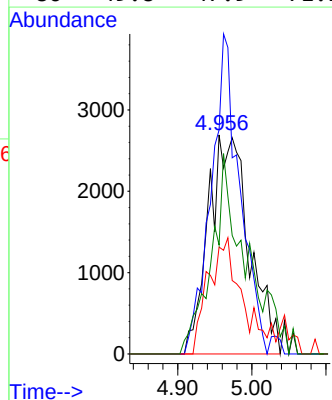
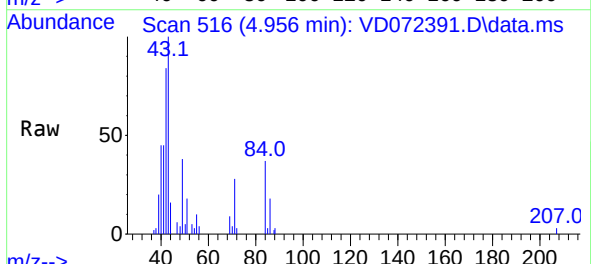


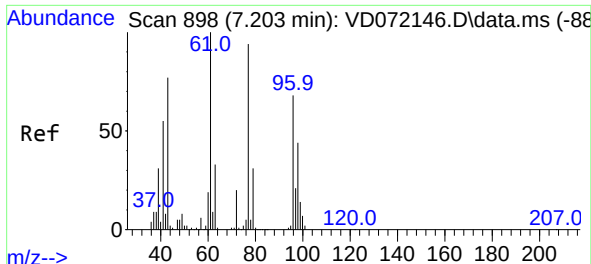
Tgt Ion: 43 Resp: 23334
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD072391.D
Acq: 23 Mar 2022 18:37

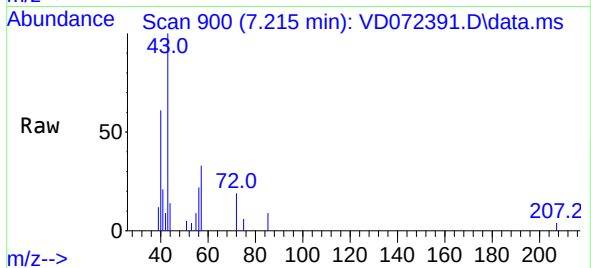
Tgt Ion: 84 Resp: 10269
Ion Ratio Lower Upper
84 100
49 102.3 112.8 169.2#
51 48.8 32.6 48.8
86 49.8 47.9 71.9



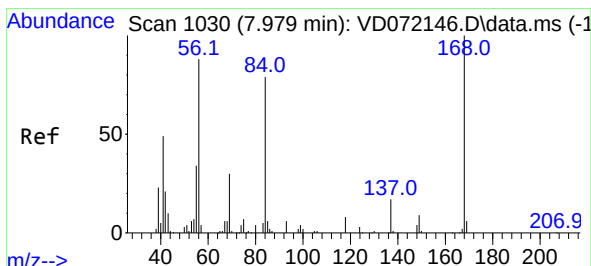
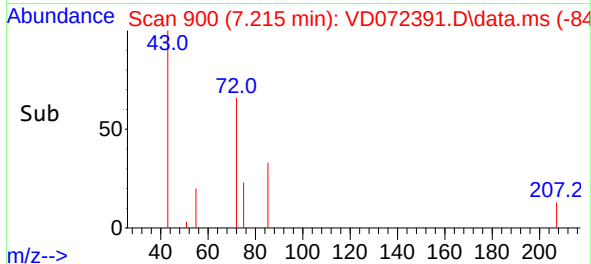
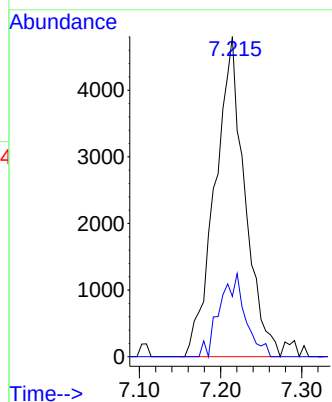


#25
2-Butanone
Concen: 11.649 ug/l
RT: 7.215 min Scan# 90
Delta R.T. 0.012 min
Lab File: VD072391.D
Acq: 23 Mar 2022 18:37

Instrument :
MSVOA_D
ClientSampleId :

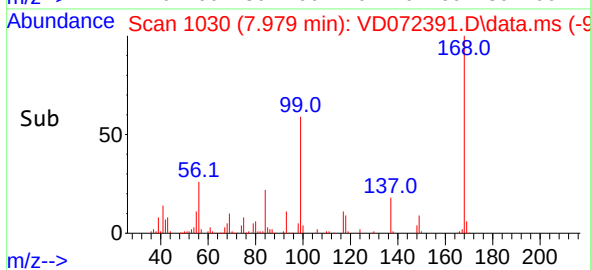
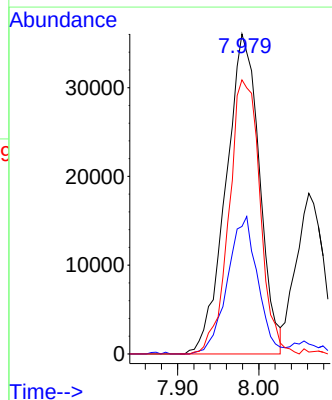
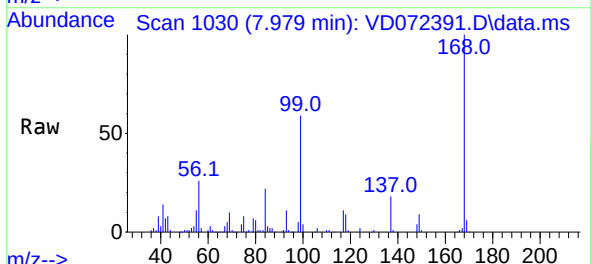


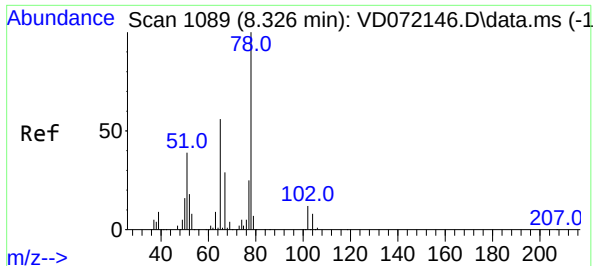
Tgt Ion: 43 Resp: 12246
Ion Ratio Lower Upper
43 100
72 18.9 18.6 27.8



#31
Cyclohexane
Concen: 18.210 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD072391.D
Acq: 23 Mar 2022 18:37

Tgt Ion: 56 Resp: 103315
Ion Ratio Lower Upper
56 100
69 39.8 25.4 38.2#
84 85.6 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 44.146 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072391.D

Acq: 23 Mar 2022 18:37

Instrument :

MSVOA_D

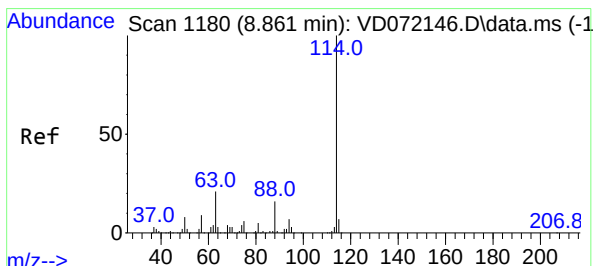
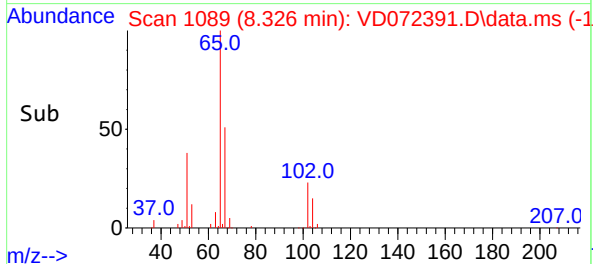
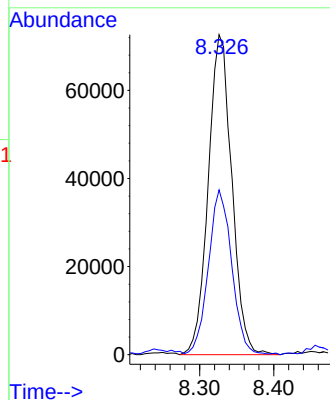
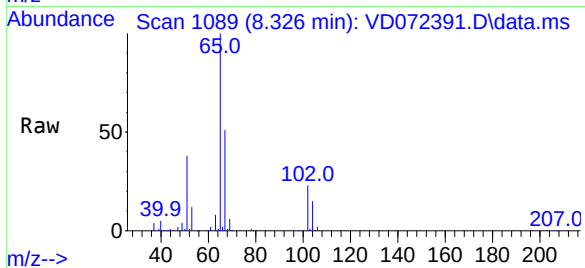
ClientSampleId :

Tgt Ion: 65 Resp: 160309

Ion Ratio Lower Upper

65 100

67 50.1 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072391.D

Acq: 23 Mar 2022 18:37

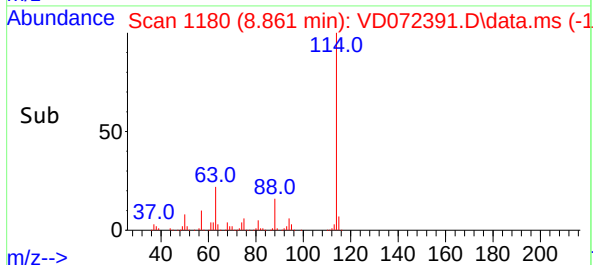
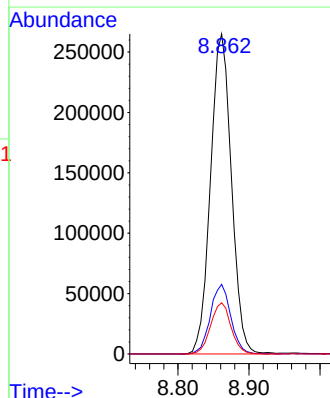
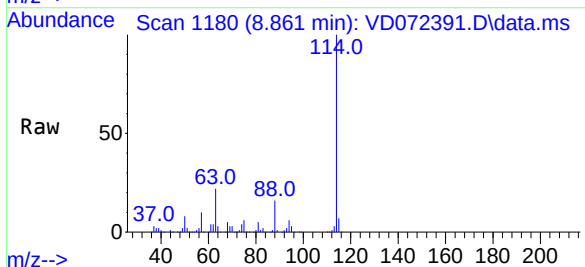
Tgt Ion: 114 Resp: 541015

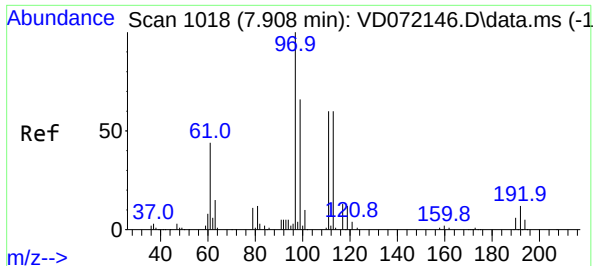
Ion Ratio Lower Upper

114 100

63 21.8 0.0 46.6

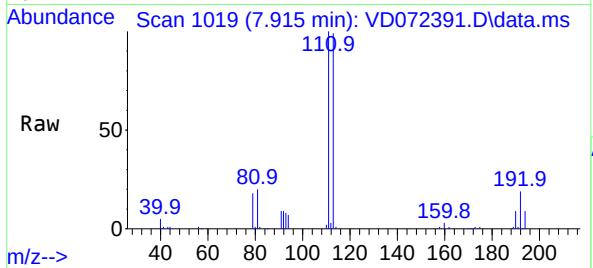
88 16.0 0.0 33.2



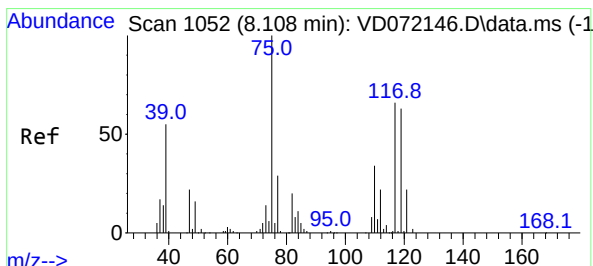
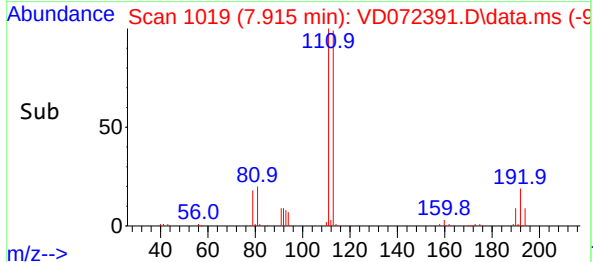
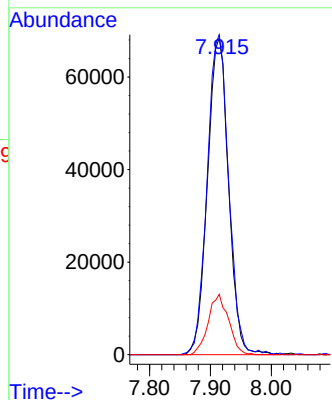


#35
Dibromofluoromethane
Concen: 43.156 ug/l
RT: 7.915 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VD072391.D
Acq: 23 Mar 2022 18:37

Instrument :
MSVOA_D
ClientSampleId :

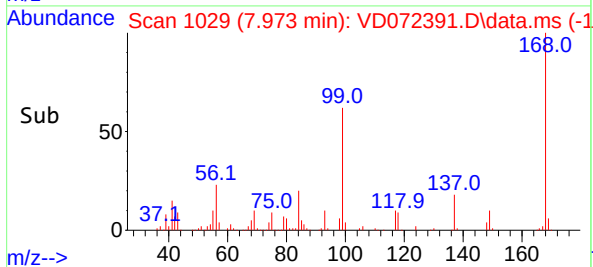
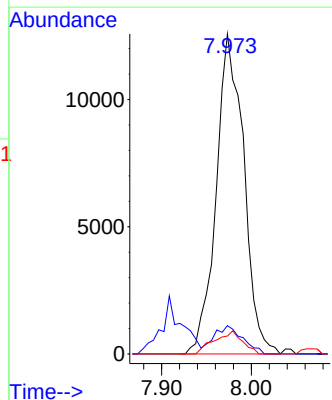
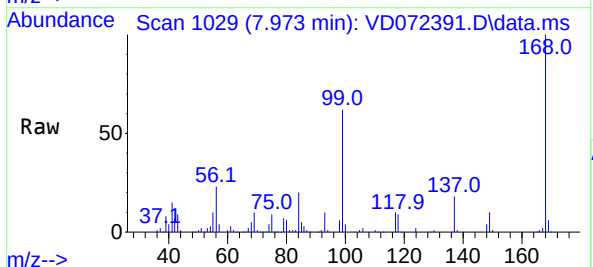


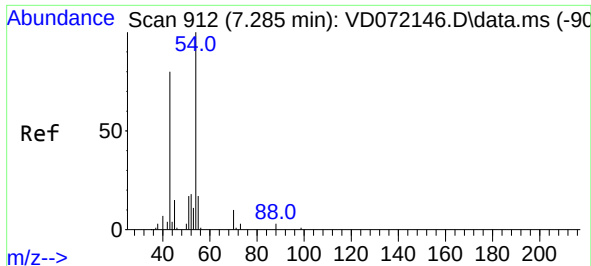
Tgt Ion:113 Resp: 164301
Ion Ratio Lower Upper
113 100
111 103.6 83.8 125.6
192 18.4 14.6 21.8



#36
1,1-Dichloropropene
Concen: 5.029 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072391.D
Acq: 23 Mar 2022 18:37

Tgt Ion: 75 Resp: 26857
Ion Ratio Lower Upper
75 100
110 9.2 16.4 49.1#
77 7.2 24.2 36.2#





#37

Ethyl Acetate

Concen: 5.234 ug/l

RT: 7.215 min Scan# 90

Delta R.T. -0.070 min

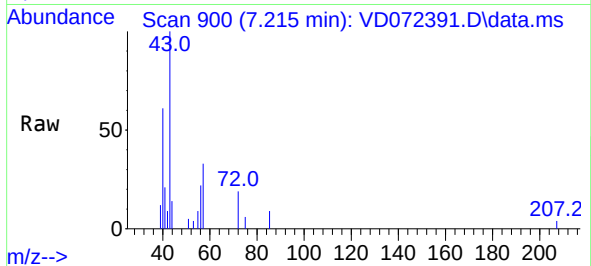
Lab File: VD072391.D

Acq: 23 Mar 2022 18:37

Instrument :

MSVOA_D

ClientSampleId :



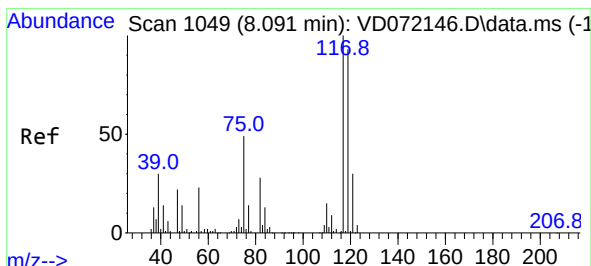
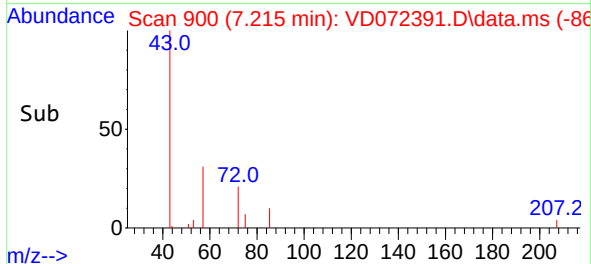
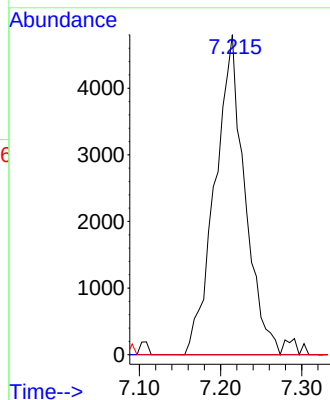
Tgt Ion: 43 Resp: 12246

Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 5.792 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.112 min

Lab File: VD072391.D

Acq: 23 Mar 2022 18:37

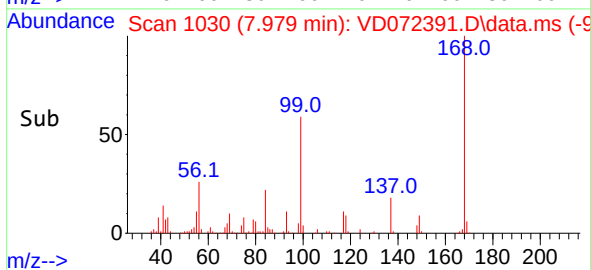
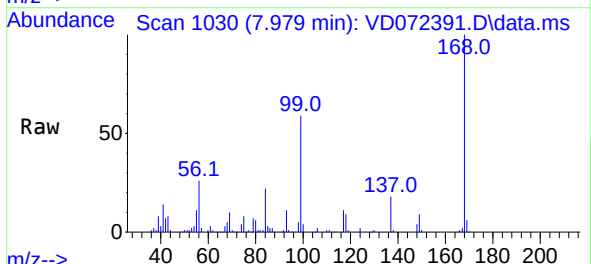
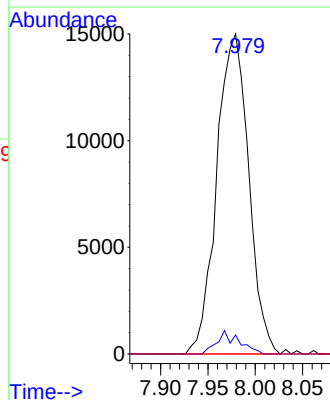
Tgt Ion: 117 Resp: 35162

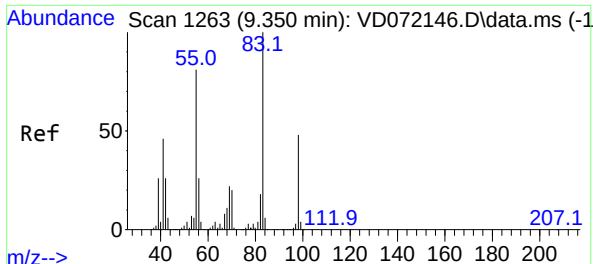
Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.6#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 47.922 ug/l

RT: 9.350 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD072391.D

Acq: 23 Mar 2022 18:37

Instrument :

MSVOA_D

ClientSampleId :

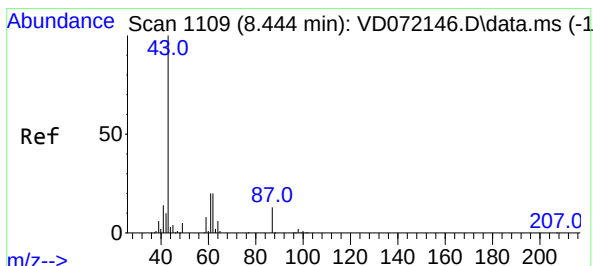
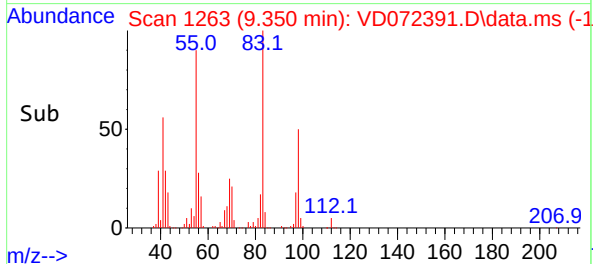
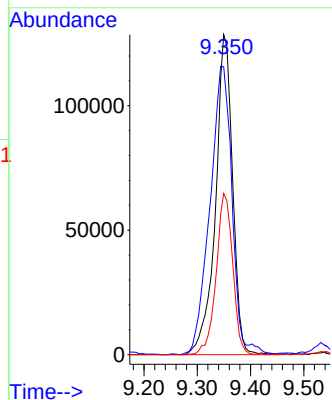
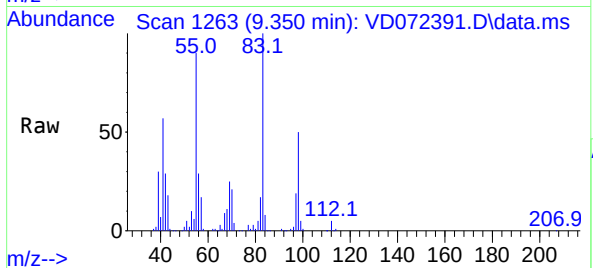
Tgt Ion: 83 Resp: 288018

Ion Ratio Lower Upper

83 100

55 90.0 63.2 94.8

98 50.4 38.2 57.4



#43

Isopropyl Acetate

Concen: 4.532 ug/l

RT: 8.444 min Scan# 1109

Delta R.T. 0.000 min

Lab File: VD072391.D

Acq: 23 Mar 2022 18:37

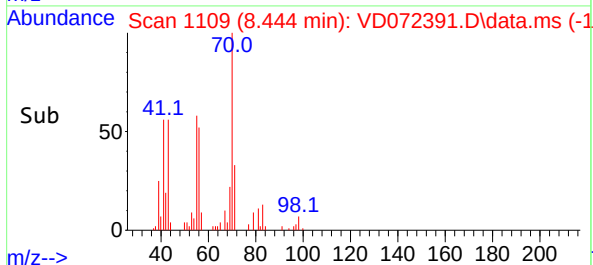
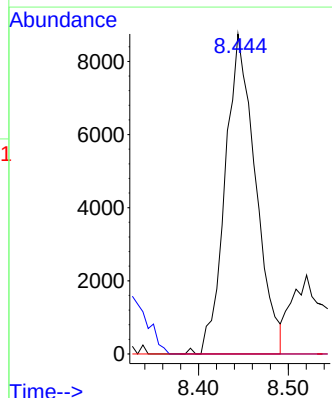
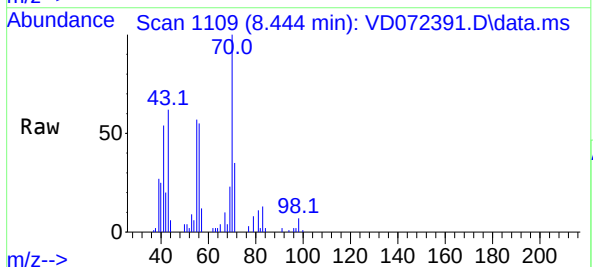
Tgt Ion: 43 Resp: 20579

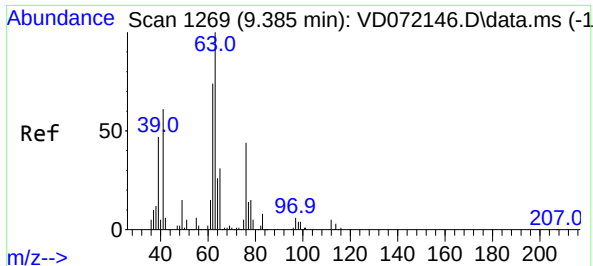
Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 8.7 13.1#





#45

1,2-Dichloropropane

Concen: 1.163 ug/l

RT: 9.350 min Scan# 11

Delta R.T. -0.035 min

Lab File: VD072391.D

Acq: 23 Mar 2022 18:37

Instrument :

MSVOA_D

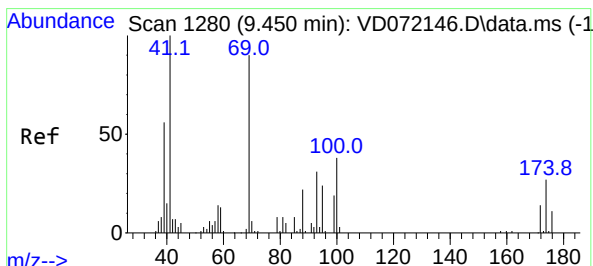
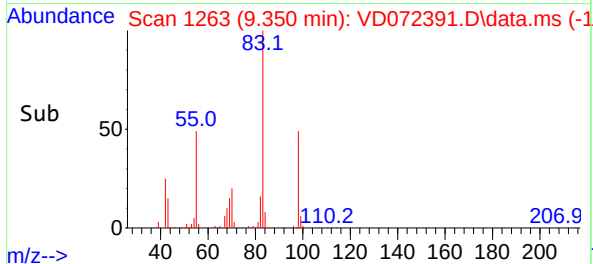
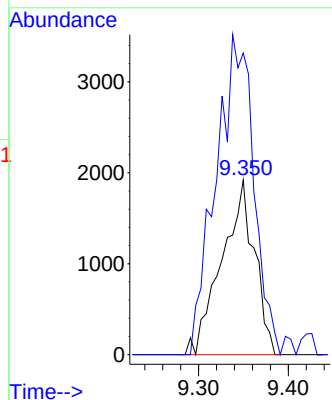
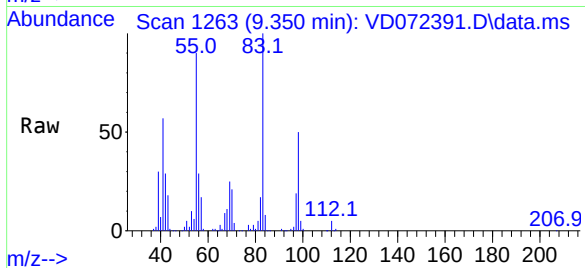
ClientSampleId :

Tgt Ion: 63 Resp: 4861

Ion Ratio Lower Upper

63 100

65 172.9 26.2 39.4#



#48

Methyl methacrylate

Concen: 4.825 ug/l

RT: 9.538 min Scan# 1295

Delta R.T. 0.088 min

Lab File: VD072391.D

Acq: 23 Mar 2022 18:37

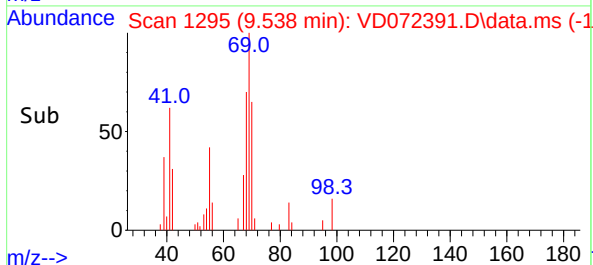
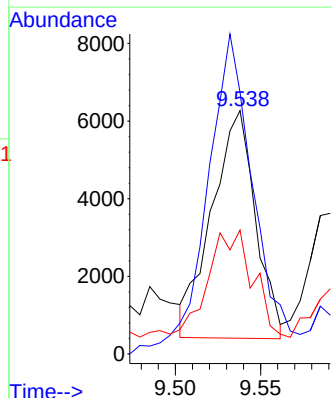
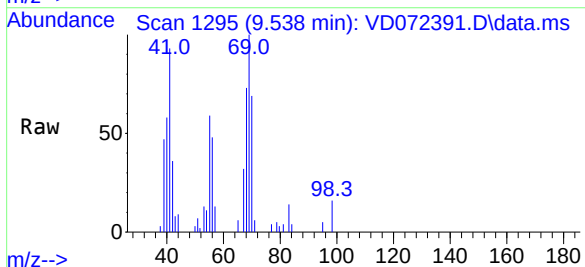
Tgt Ion: 41 Resp: 10461

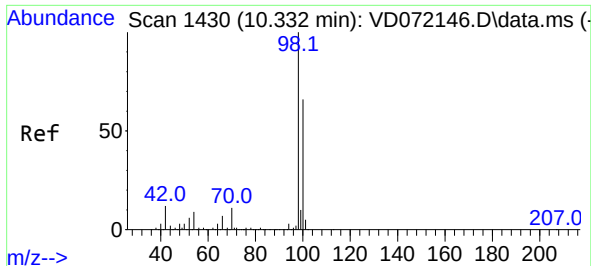
Ion Ratio Lower Upper

41 100

69 149.3 56.7 85.1#

39 63.8 42.7 64.1

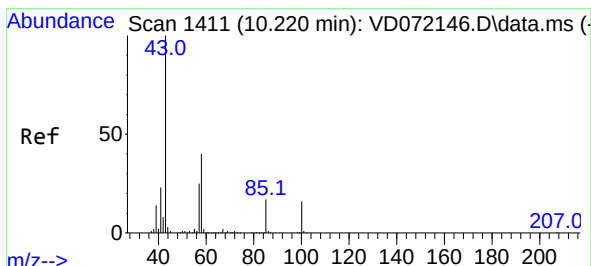
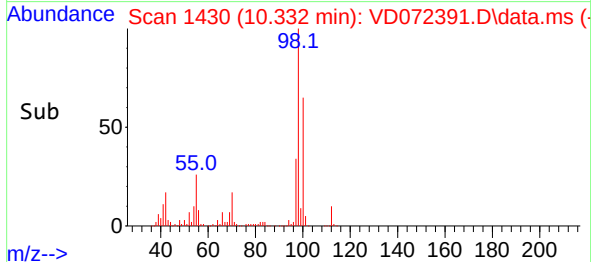
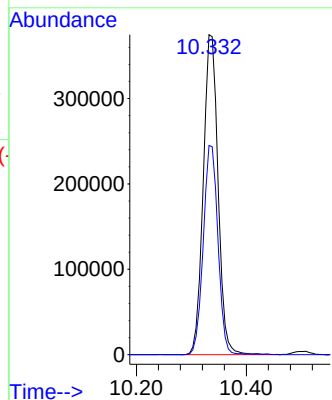
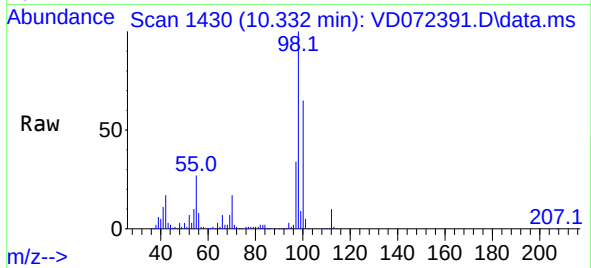




#50
Toluene-d8
Concen: 50.279 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072391.D
Acq: 23 Mar 2022 18:37

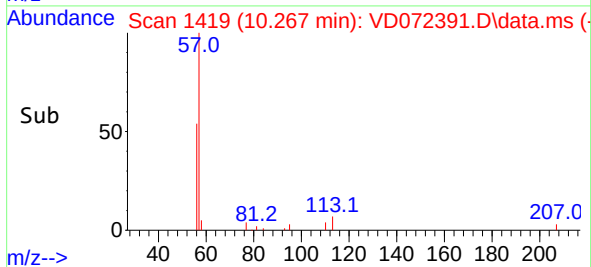
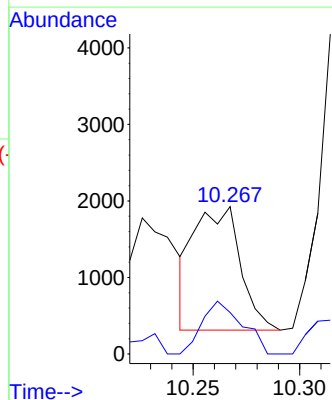
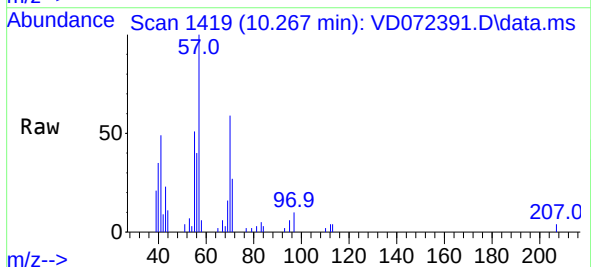
Instrument :
MSVOA_D
ClientSampleId :

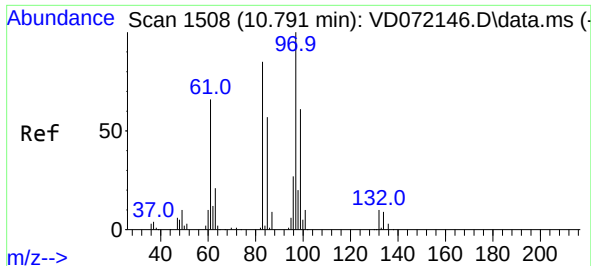
Tgt Ion: 98 Resp: 699937
Ion Ratio Lower Upper
98 100
100 64.8 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.017 ug/l
RT: 10.267 min Scan# 1419
Delta R.T. 0.047 min
Lab File: VD072391.D
Acq: 23 Mar 2022 18:37

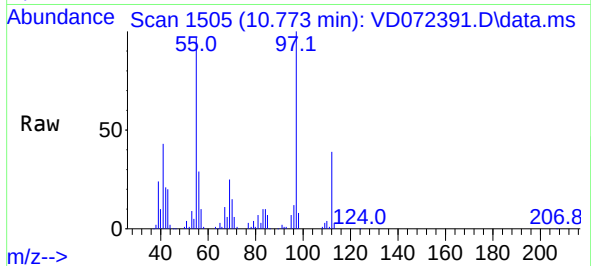
Tgt Ion: 43 Resp: 2425
Ion Ratio Lower Upper
43 100
58 37.4 28.6 43.0





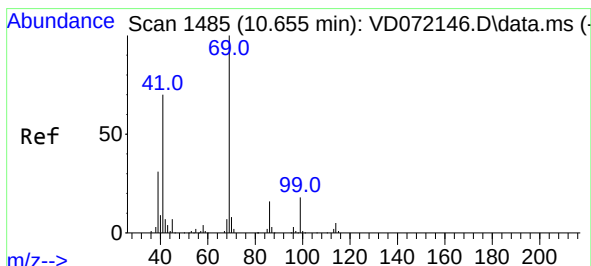
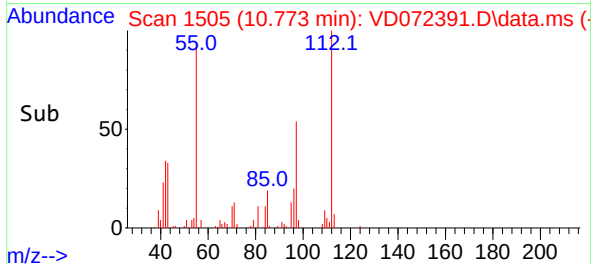
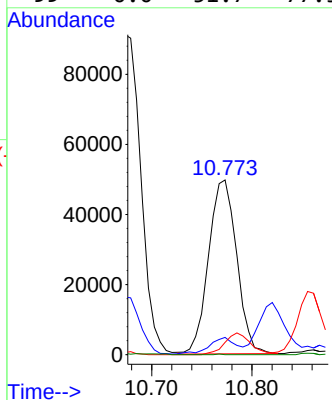
#55
1,1,2-Trichloroethane
Concen: 30.891 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.018 min
Lab File: VD072391.D
Acq: 23 Mar 2022 18:37

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 97 Resp: 96730

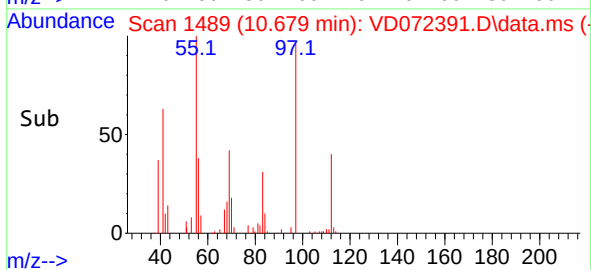
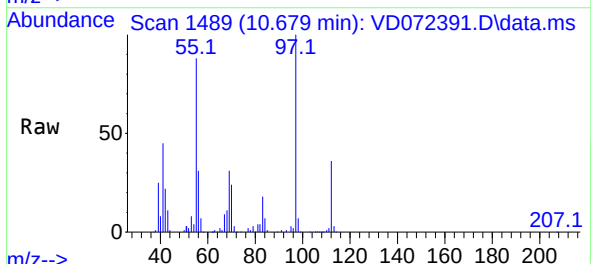
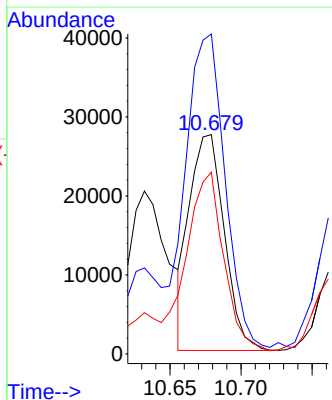
Ion	Ratio	Lower	Upper
97	100		
83	9.4	69.0	103.4#
85	7.1	42.6	63.8#
99	0.0	51.7	77.5#

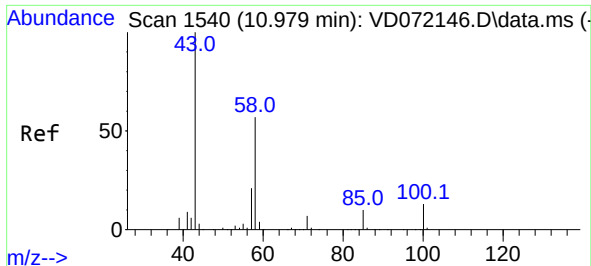


#56
Ethyl methacrylate
Concen: 12.712 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.024 min
Lab File: VD072391.D
Acq: 23 Mar 2022 18:37

Tgt Ion: 69 Resp: 46624

Ion	Ratio	Lower	Upper
69	100		
41	165.6	63.0	94.6#
39	88.1	33.8	50.8#

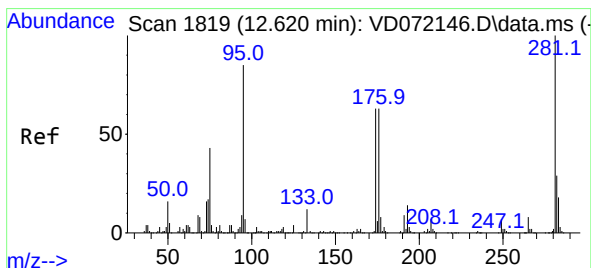
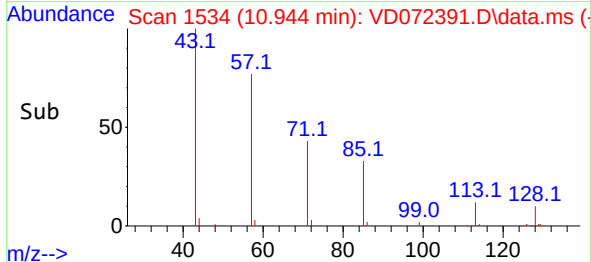
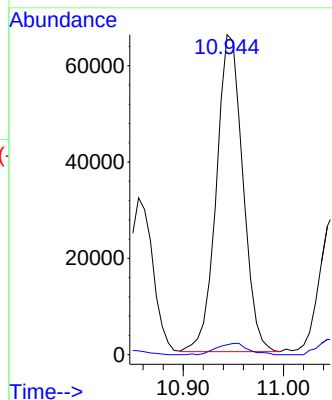
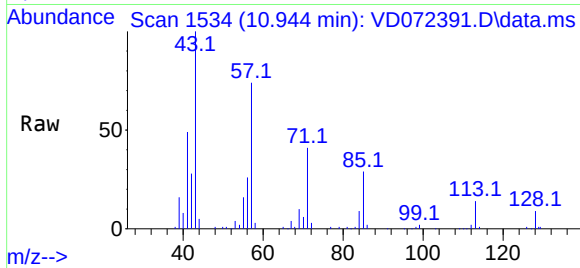




#59
2-Hexanone
Concen: 73.217 ug/l
RT: 10.944 min Scan# 11
Delta R.T. -0.035 min
Lab File: VD072391.D
Acq: 23 Mar 2022 18:37

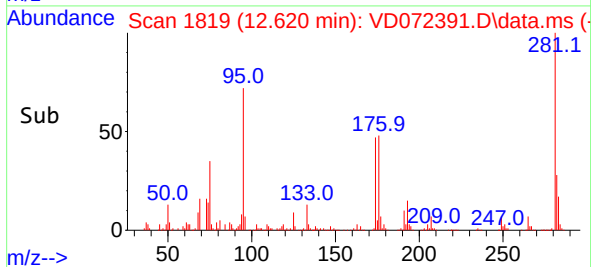
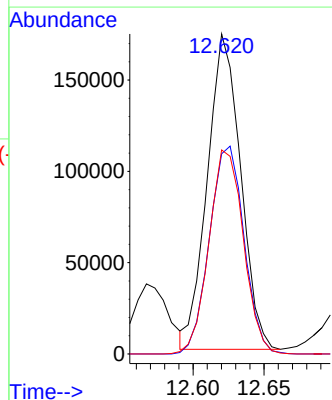
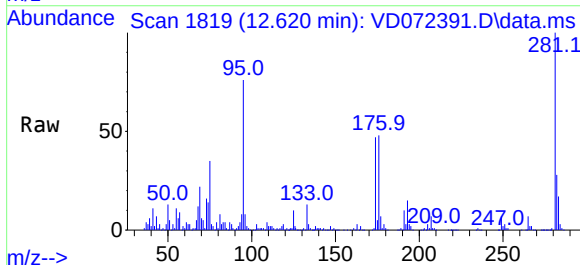
Instrument :
MSVOA_D
ClientSampleId :

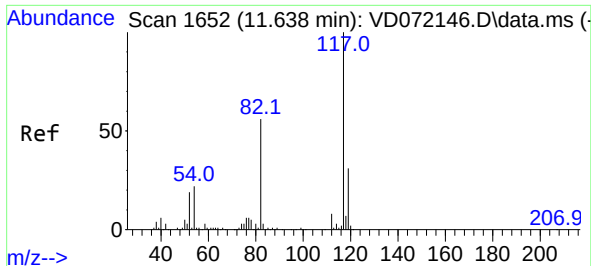
Tgt Ion: 43 Resp: 120608
Ion Ratio Lower Upper
43 100
58 4.2 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 51.971 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072391.D
Acq: 23 Mar 2022 18:37

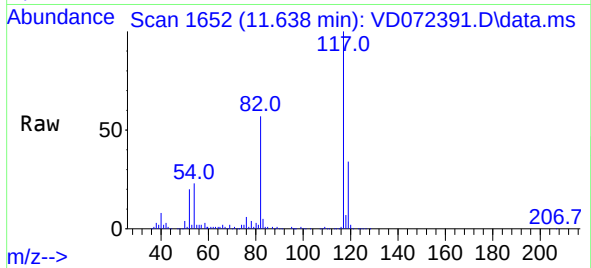
Tgt Ion: 95 Resp: 281112
Ion Ratio Lower Upper
95 100
174 68.6 0.0 152.8
176 67.0 0.0 145.4



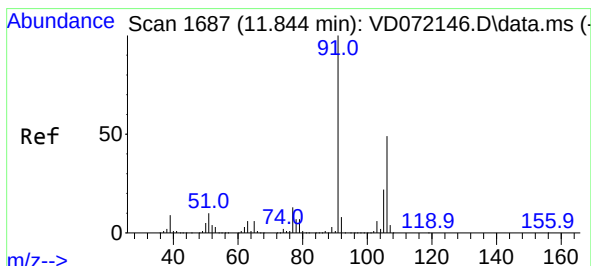
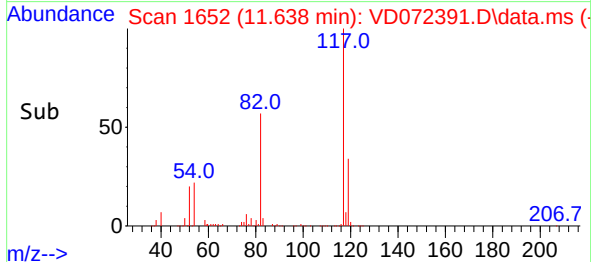
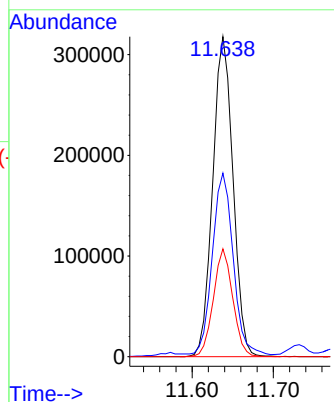


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072391.D
Acq: 23 Mar 2022 18:37

Instrument :
MSVOA_D
ClientSampleId :

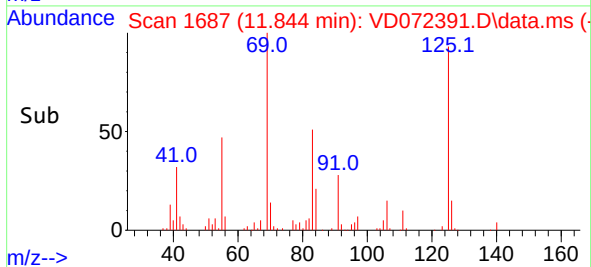
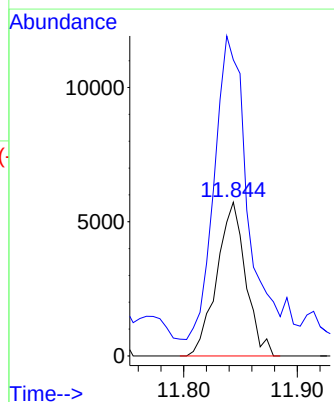
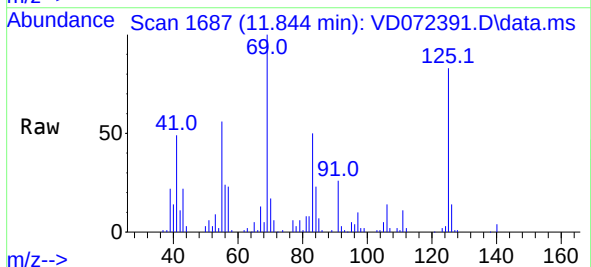


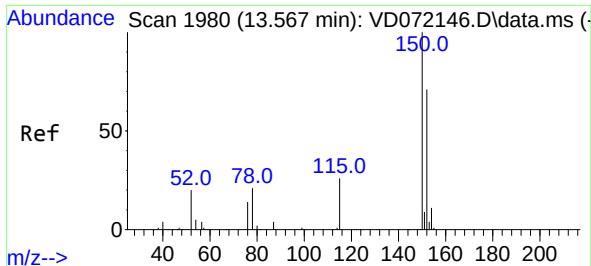
Tgt Ion:117 Resp: 551830
Ion Ratio Lower Upper
117 100
82 56.6 45.3 67.9
119 33.7 26.6 40.0



#68
m/p-Xylenes
Concen: 1.219 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VD072391.D
Acq: 23 Mar 2022 18:37

Tgt Ion:106 Resp: 10110
Ion Ratio Lower Upper
106 100
91 235.5 163.7 245.5

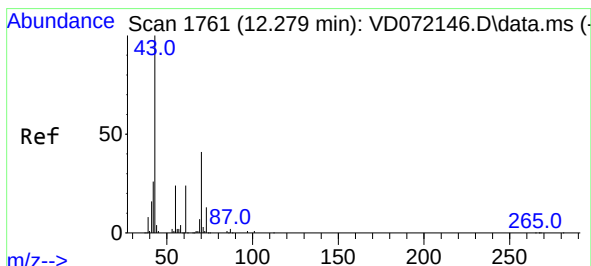
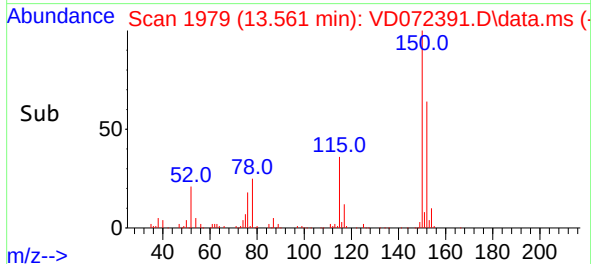
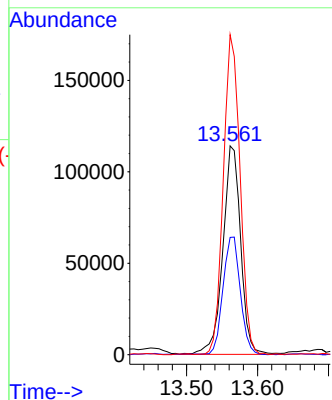
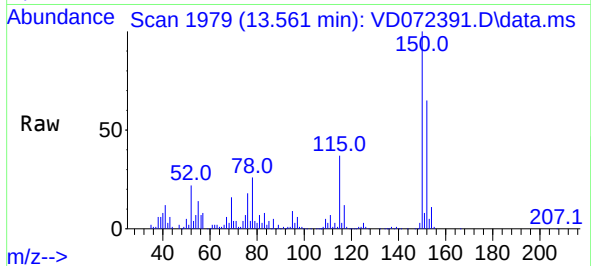




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD072391.D
Acq: 23 Mar 2022 18:37

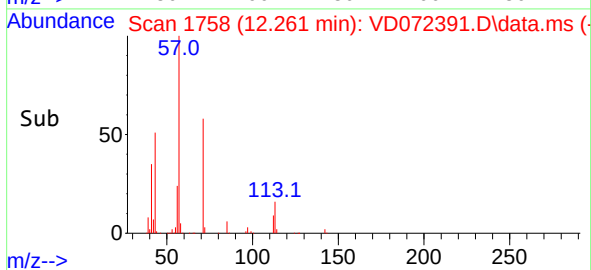
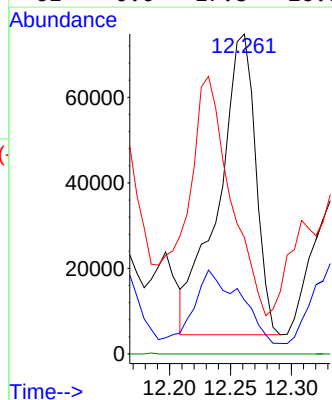
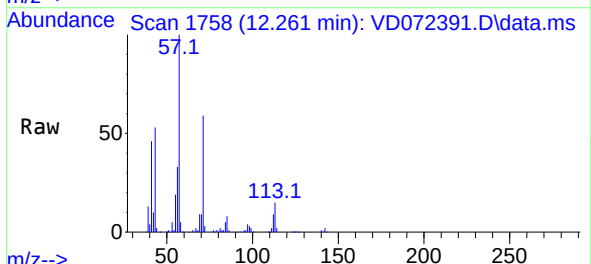
Instrument :
MSVOA_D
ClientSampleId :

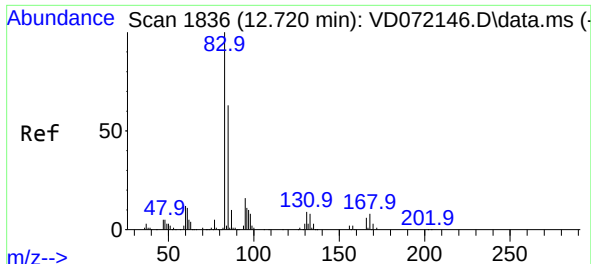
Tgt Ion:152 Resp: 198577
Ion Ratio Lower Upper
152 100
115 54.8 31.3 93.8
150 143.5 0.0 348.6



#74
N-amy1 acetate
Concen: 44.327 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.017 min
Lab File: VD072391.D
Acq: 23 Mar 2022 18:37

Tgt Ion: 43 Resp: 149902
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 0.0 20.0 30.0#
61 0.0 17.8 26.8#

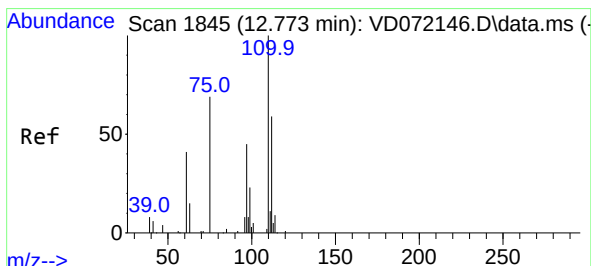
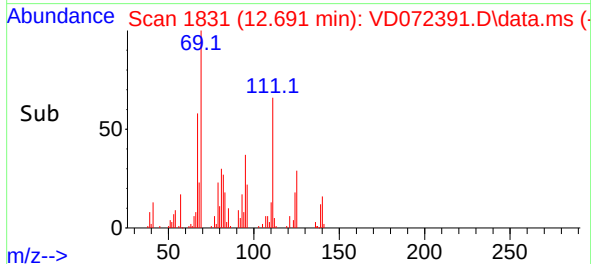
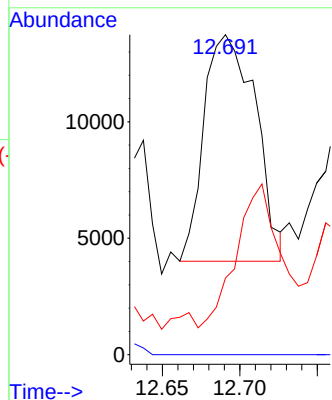
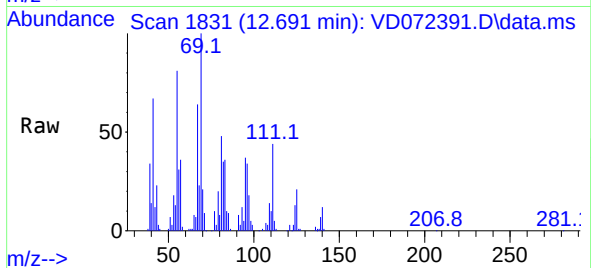




#75
1,1,2,2-Tetrachloroethane
Concen: 8.002 ug/l
RT: 12.691 min Scan# 1819
Delta R.T. -0.029 min
Lab File: VD072391.D
Acq: 23 Mar 2022 18:37

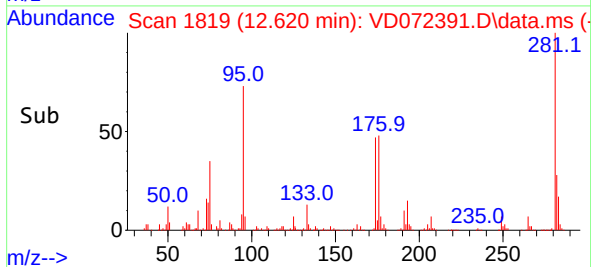
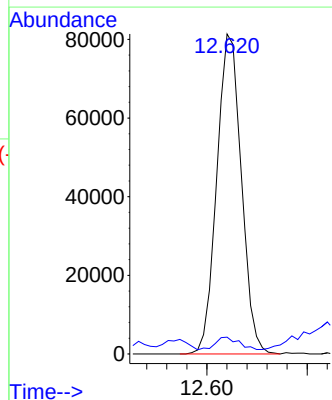
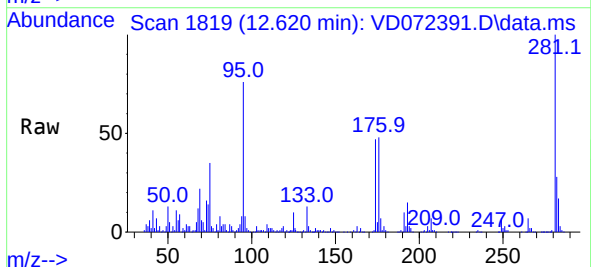
Instrument :
MSVOA_D
ClientSampleId :

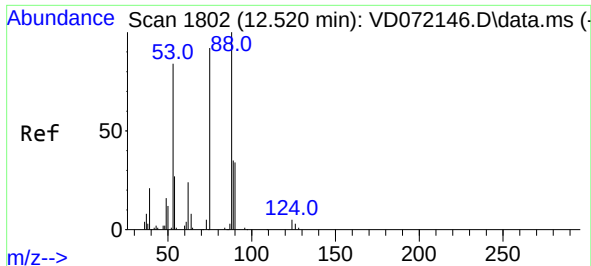
Tgt Ion: 83 Resp: 22521
Ion Ratio Lower Upper
83 100
131 0.0 5.0 14.9#
85 0.0 32.6 98.0#



#76
1,2,3-Trichloropropane
Concen: 63.160 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072391.D
Acq: 23 Mar 2022 18:37

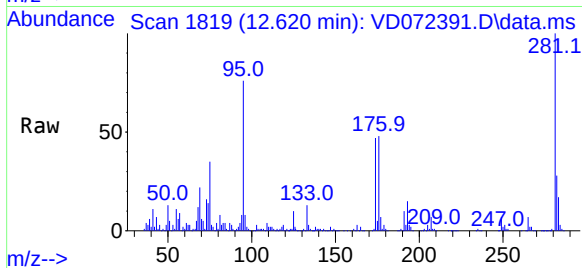
Tgt Ion: 75 Resp: 138350
Ion Ratio Lower Upper
75 100
77 3.7 0.0 0.0#



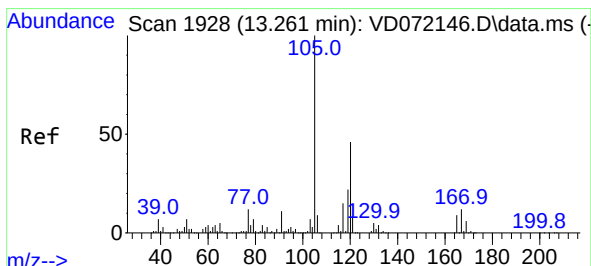
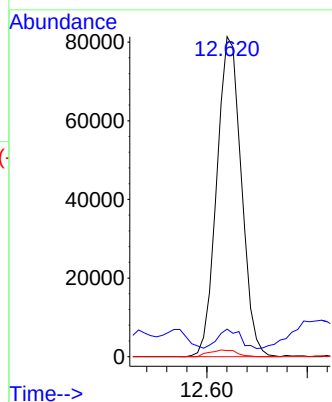
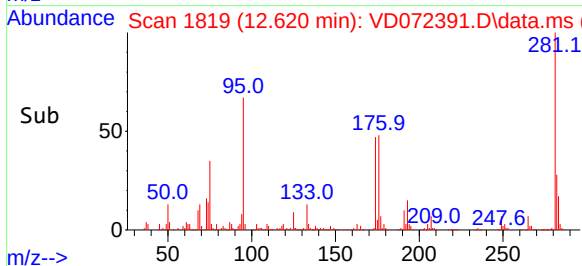


#81
trans-1,4-Dichloro-2-butene
Concen: 156.706 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072391.D
Acq: 23 Mar 2022 18:37

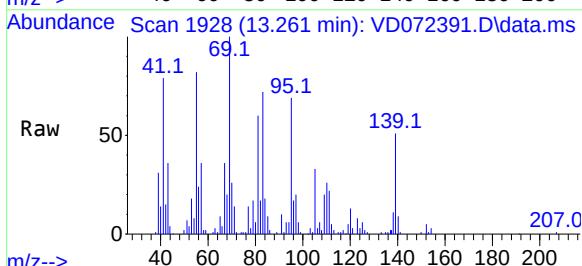
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 138350
Ion Ratio Lower Upper
75 100
53 5.4 86.5 129.7#
89 2.3 33.9 50.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.546 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.000 min
Lab File: VD072391.D
Acq: 23 Mar 2022 18:37



Tgt Ion: 105 Resp: 20592
Ion Ratio Lower Upper
105 100
120 46.7 22.3 66.8

