

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011022\
 Data File : VD071653.D
 Acq On : 10 Jan 2022 12:33
 Operator : VA/SY
 Sample : N1050-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 11 04:07:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

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

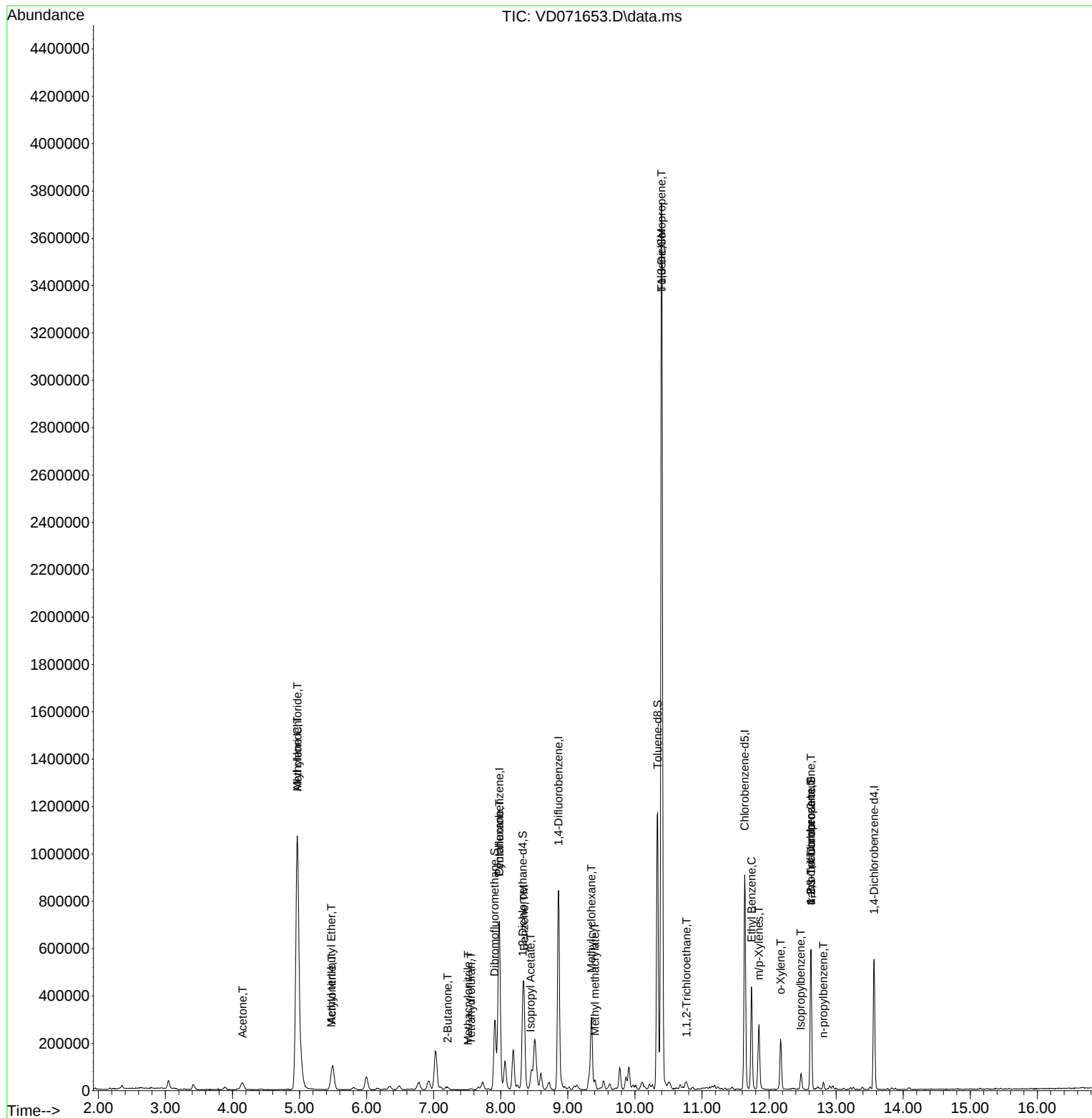
Internal Standards						
1) Pentafluorobenzene	7.979	168	365535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	632954	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	474402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	134273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	231228	49.162	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.320%		
35) Dibromofluoromethane	7.908	113	204677	48.930	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.860%		
50) Toluene-d8	10.338	98	749481	47.864	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.720%		
62) 4-Bromofluorobenzene	12.626	95	181633	32.919	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	65.840%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	1266	Below Cal	#	70
3) Chloromethane	2.215	50	1619	Below Cal	#	88
5) Bromomethane	2.785	94	1813	Below Cal	#	67
11) Tert butyl alcohol	5.197	59	2567	Below Cal	#	75
14) Allyl chloride	4.967	41	38369	5.922	ug/l #	19
15) Acrylonitrile	5.479	53	2850	3.183	ug/l #	62
16) Acetone	4.150	43	26989	24.854	ug/l #	70
19) Methyl tert-butyl Ether	5.473	73	23937	2.775	ug/l #	1
20) Methylene Chloride	4.967	84	742419	192.388	ug/l	97
25) 2-Butanone	7.208	43	1976	1.540	ug/l #	56
29) Tetrahydrofuran	7.555	42	1164	1.577	ug/l #	43
31) Cyclohexane	7.979	56	116284	18.067	ug/l #	92
39) Methylcyclohexane	9.349	83	109413	16.976	ug/l	88
40) Benzene	8.350	78	288155	17.527	ug/l	99
41) Methacrylonitrile	7.514	41	171	1.228	ug/l #	17
43) Isopropyl Acetate	8.444	43	15014	2.880	ug/l #	54
48) Methyl methacrylate	9.402	41	8306	3.153	ug/l #	41
52) Toluene	10.396	92	1547495	149.537	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	19982	3.647	ug/l #	1
55) 1,1,2-Trichloroethane	10.767	97	7966	2.671	ug/l #	23
67) Ethyl Benzene	11.738	91	282945	16.977	ug/l	97
68) m/p-Xylenes	11.849	106	79815	12.877	ug/l	99
69) o-Xylene	12.173	106	53218	9.071	ug/l	100
73) Isopropylbenzene	12.473	105	13374	1.386	ug/l	99
76) 1,2,3-Trichloropropane	12.626	75	103951	80.119	ug/l #	100
78) n-propylbenzene	12.808	91	21531	1.774	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	103951	223.364	ug/l #	3

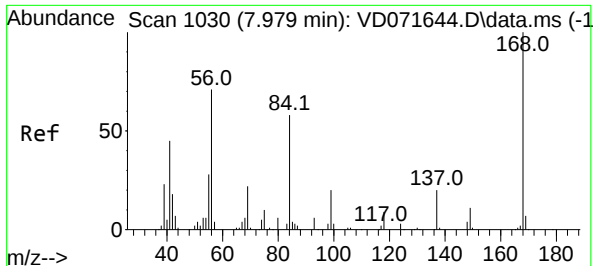
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011022\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 07 15:39:14 2022
Response via : Initial Calibration

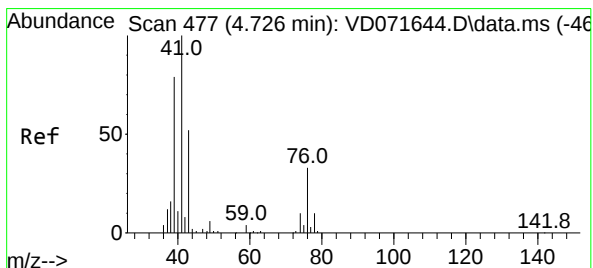
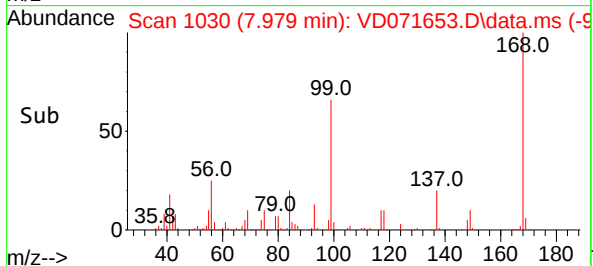
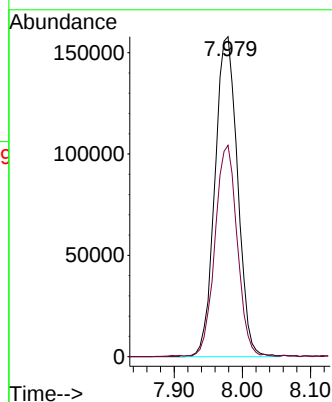
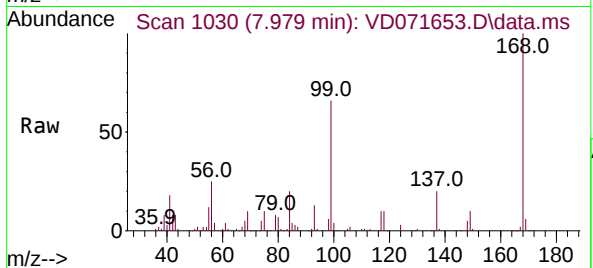




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD071653.D
Acq: 10 Jan 2022 12:33

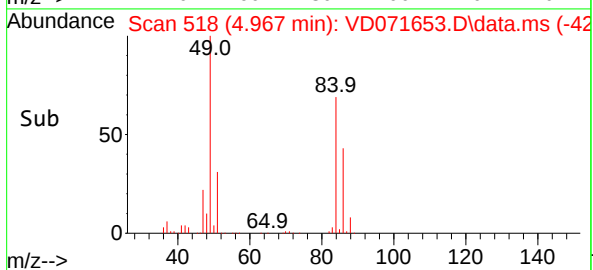
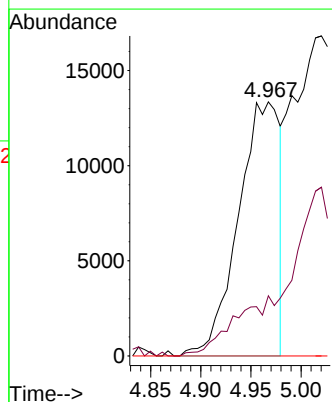
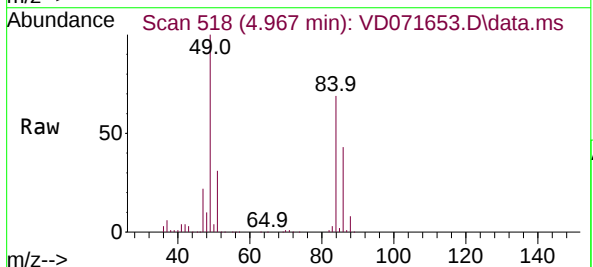
Instrument :
MSVOA_D
ClientSampleId :

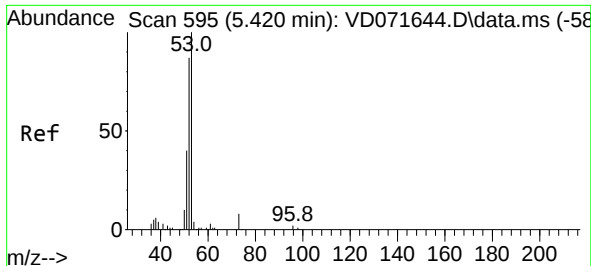
Tgt Ion:168 Resp: 365535
Ion Ratio Lower Upper
168 100
99 65.9 51.8 77.6



#14
Allyl chloride
Concen: 5.922 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.247 min
Lab File: VD071653.D
Acq: 10 Jan 2022 12:33

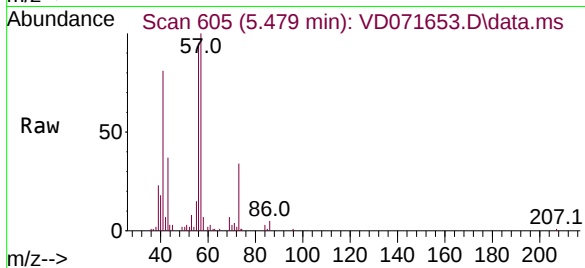
Tgt Ion: 41 Resp: 38369
Ion Ratio Lower Upper
41 100
39 0.0 63.2 94.8#
76 0.0 25.8 38.6#



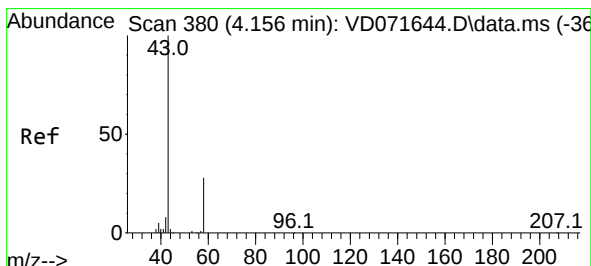
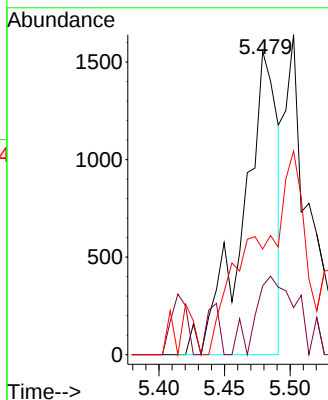
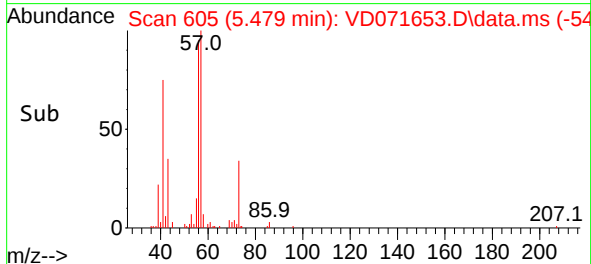


#15
Acrylonitrile
Concen: 3.183 ug/l
RT: 5.479 min Scan# 605
Delta R.T. 0.059 min
Lab File: VD071653.D
Acq: 10 Jan 2022 12:33

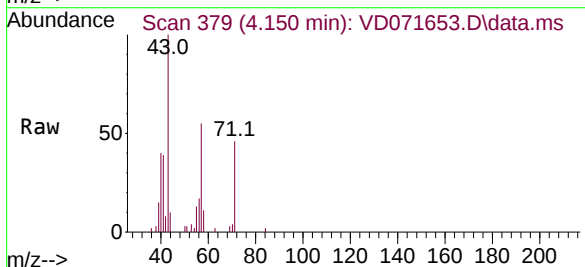
Instrument :
MSVOA_D
ClientSampleId :



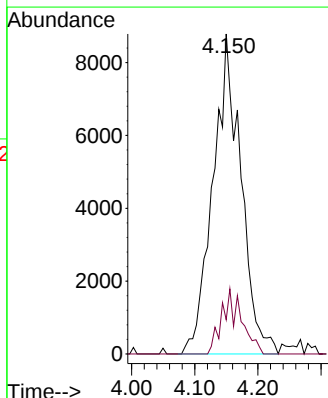
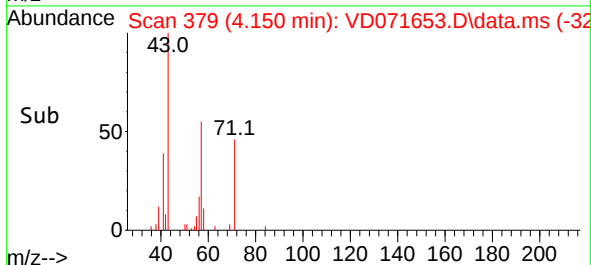
Tgt Ion: 53 Resp: 2850
Ion Ratio Lower Upper
53 100
52 31.6 65.6 98.4#
51 38.9 31.2 46.8

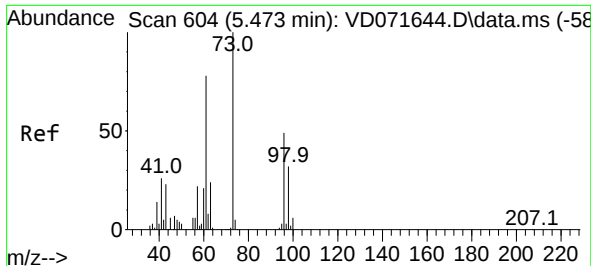


#16
Acetone
Concen: 24.854 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.005 min
Lab File: VD071653.D
Acq: 10 Jan 2022 12:33



Tgt Ion: 43 Resp: 26989
Ion Ratio Lower Upper
43 100
58 10.7 21.0 31.6#





#19

Methyl tert-butyl Ether

Concen: 2.775 ug/l

RT: 5.473 min Scan# 604

Delta R.T. -0.006 min

Lab File: VD071653.D

Acq: 10 Jan 2022 12:33

Instrument :

MSVOA_D

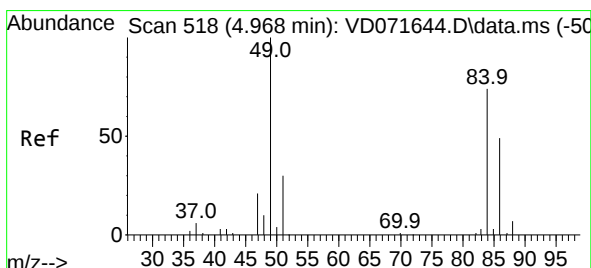
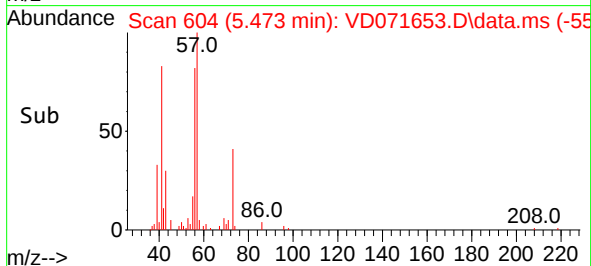
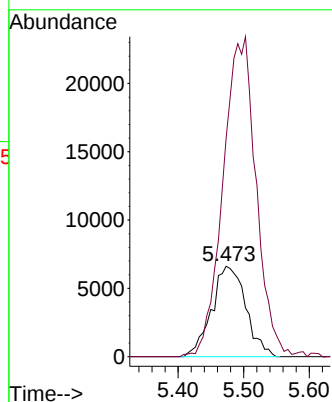
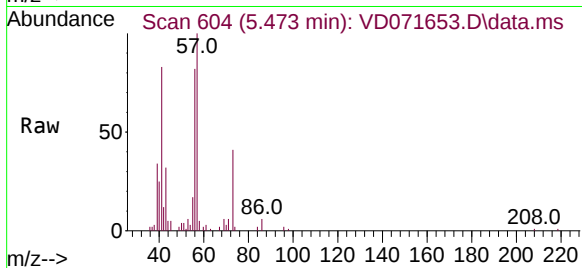
ClientSampleId :

Tgt Ion: 73 Resp: 23937

Ion Ratio Lower Upper

73 100

57 241.8 19.2 28.8#



#20

Methylene Chloride

Concen: 192.388 ug/l

RT: 4.967 min Scan# 518

Delta R.T. 0.000 min

Lab File: VD071653.D

Acq: 10 Jan 2022 12:33

Tgt Ion: 84 Resp: 742419

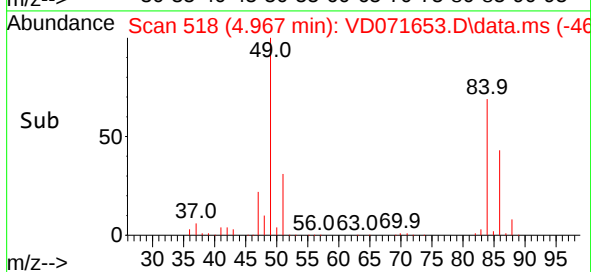
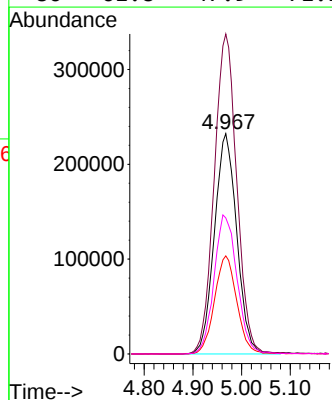
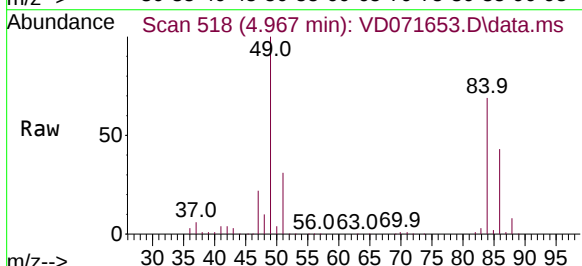
Ion Ratio Lower Upper

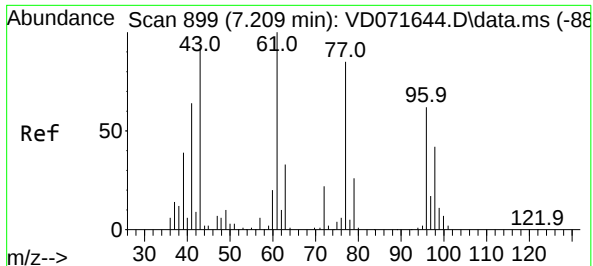
84 100

49 145.3 118.6 178.0

51 44.5 37.8 56.6

86 61.8 47.9 71.9

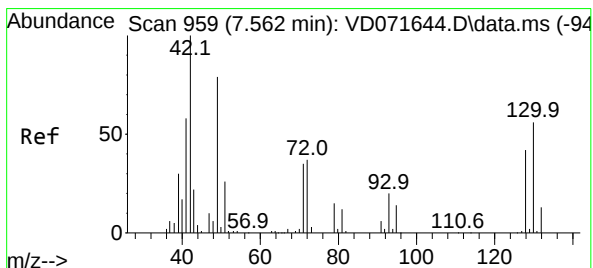
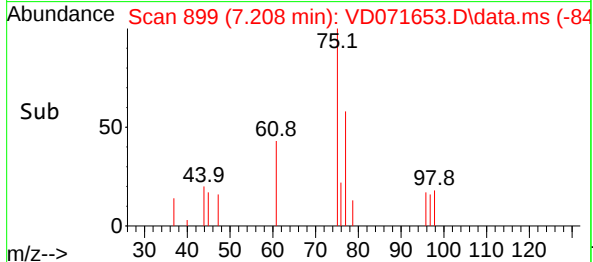
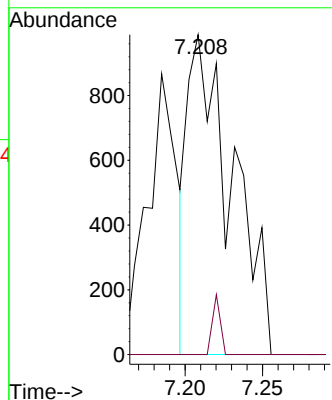
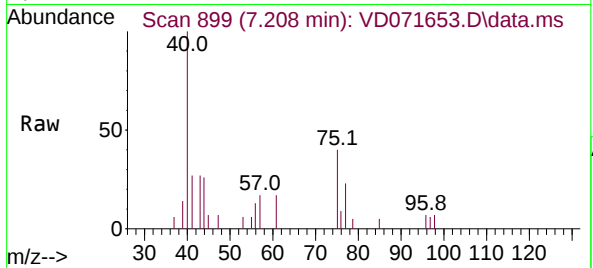




#25
2-Butanone
Concen: 1.540 ug/l
RT: 7.208 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD071653.D
Acq: 10 Jan 2022 12:33

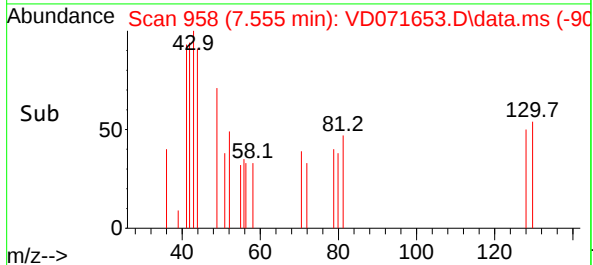
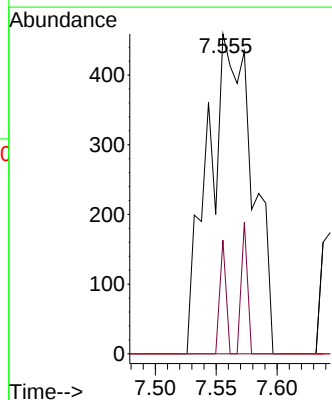
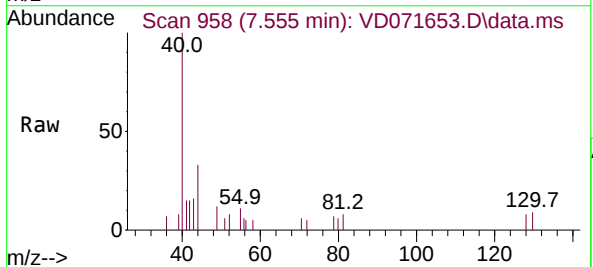
Instrument :
MSVOA_D
ClientSampleId :

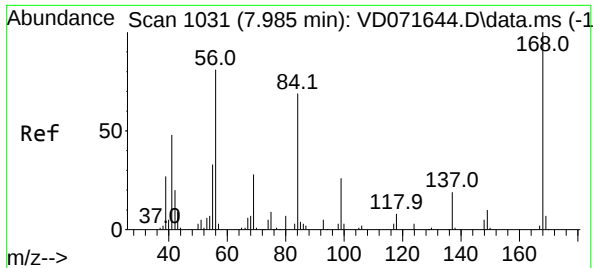
Tgt Ion: 43 Resp: 1976
Ion Ratio Lower Upper
43 100
72 0.0 16.4 24.6#



#29
Tetrahydrofuran
Concen: 1.577 ug/l
RT: 7.555 min Scan# 958
Delta R.T. -0.006 min
Lab File: VD071653.D
Acq: 10 Jan 2022 12:33

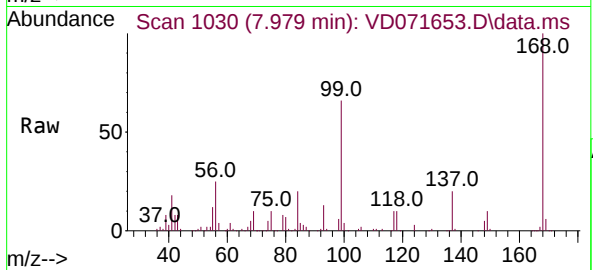
Tgt Ion: 42 Resp: 1164
Ion Ratio Lower Upper
42 100
72 4.9 29.6 44.4#
71 0.0 27.3 40.9#



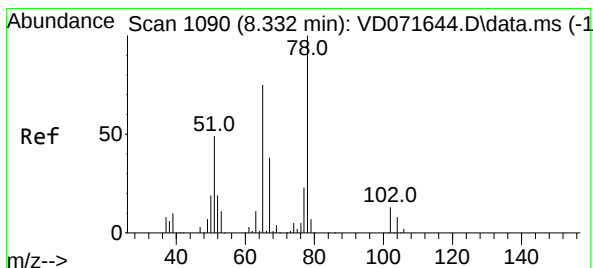
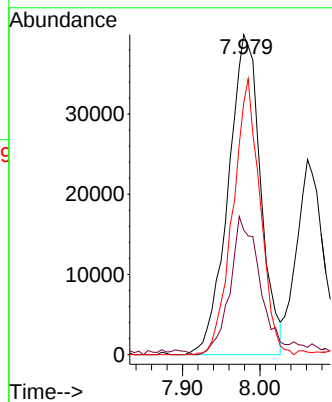
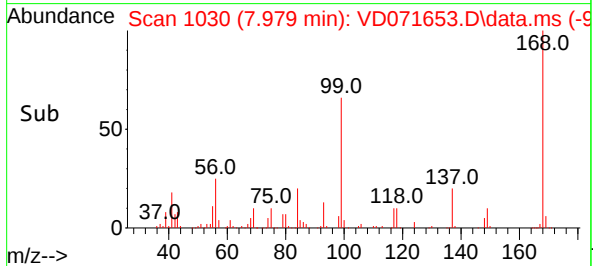


#31
Cyclohexane
Concen: 18.067 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.011 min
Lab File: VD071653.D
Acq: 10 Jan 2022 12:33

Instrument :
MSVOA_D
ClientSampleId :

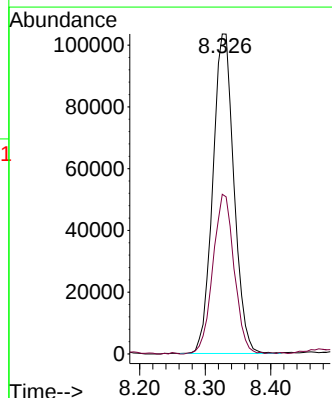
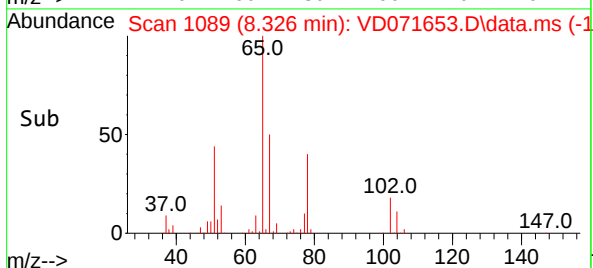
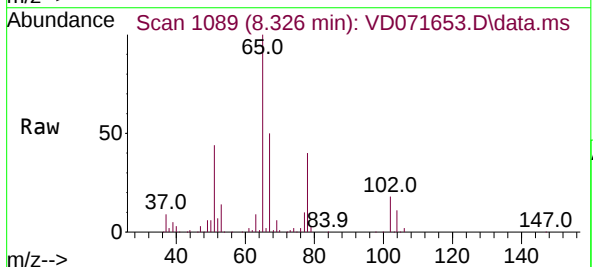


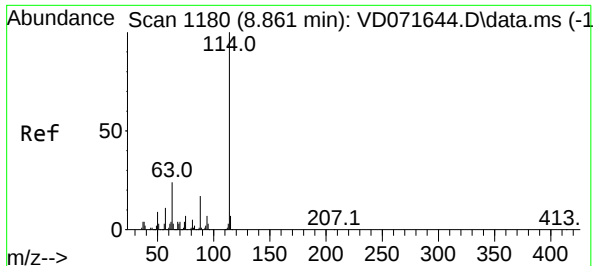
Tgt Ion: 56 Resp: 116284
Ion Ratio Lower Upper
56 100
69 37.7 21.7 32.5#
84 78.6 65.7 98.5



#33
1,2-Dichloroethane-d4
Concen: 49.162 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD071653.D
Acq: 10 Jan 2022 12:33

Tgt Ion: 65 Resp: 231228
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD071653.D

Acq: 10 Jan 2022 12:33

Instrument :

MSVOA_D

ClientSampleId :

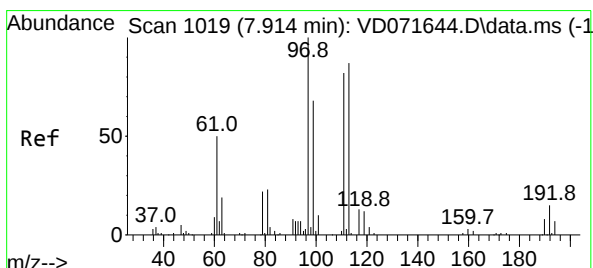
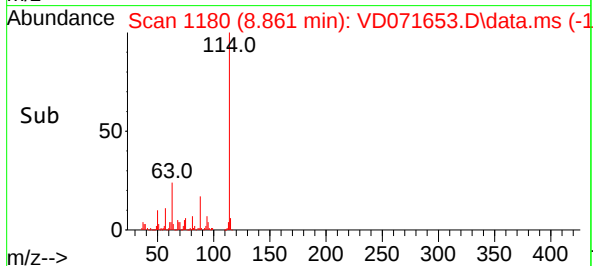
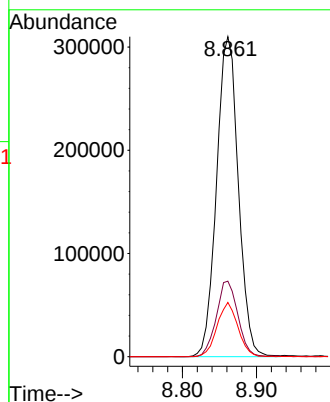
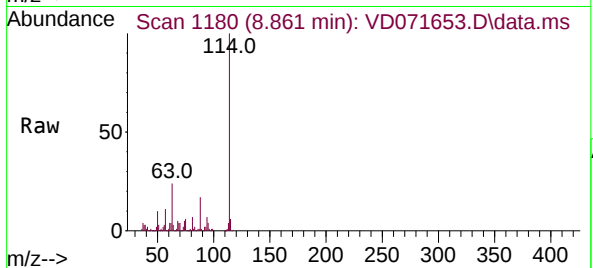
Tgt Ion:114 Resp: 632954

Ion Ratio Lower Upper

114 100

63 23.6 0.0 46.2

88 17.0 0.0 32.0



#35

Dibromofluoromethane

Concen: 48.930 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD071653.D

Acq: 10 Jan 2022 12:33

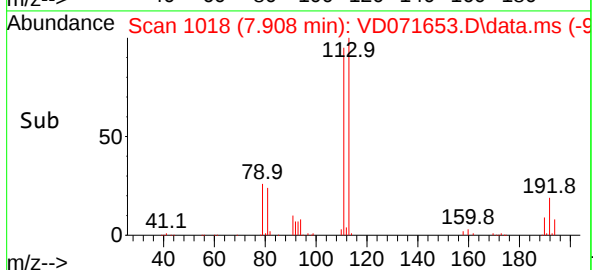
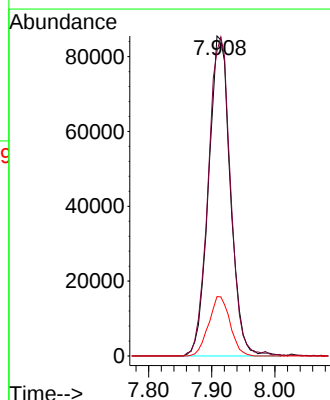
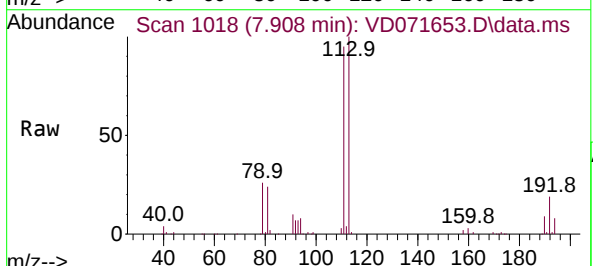
Tgt Ion:113 Resp: 204677

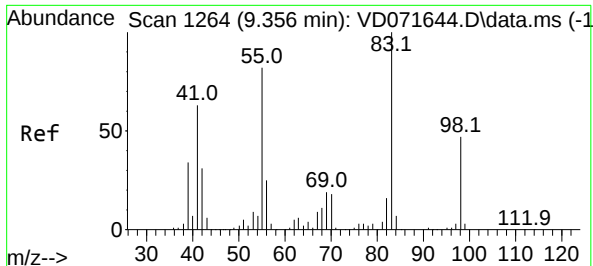
Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

192 18.2 14.2 21.2





#39

Methylcyclohexane

Concen: 16.976 ug/l

RT: 9.349 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD071653.D

Acq: 10 Jan 2022 12:33

Instrument :

MSVOA_D

ClientSampleId :

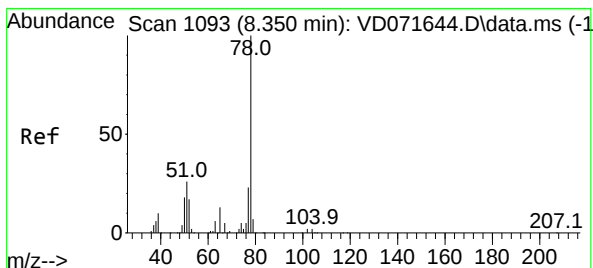
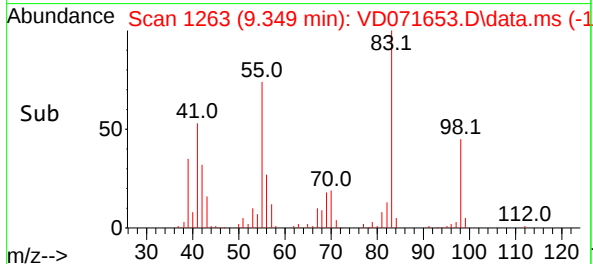
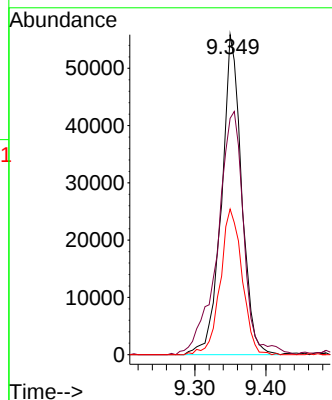
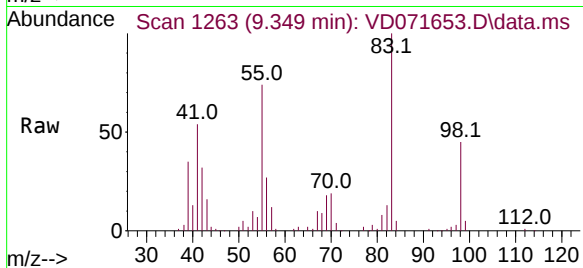
Tgt Ion: 83 Resp: 109413

Ion Ratio Lower Upper

83 100

55 72.8 70.1 105.1

98 45.5 39.2 58.8



#40

Benzene

Concen: 17.527 ug/l

RT: 8.350 min Scan# 1093

Delta R.T. 0.001 min

Lab File: VD071653.D

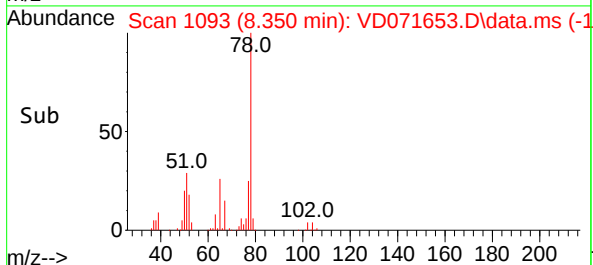
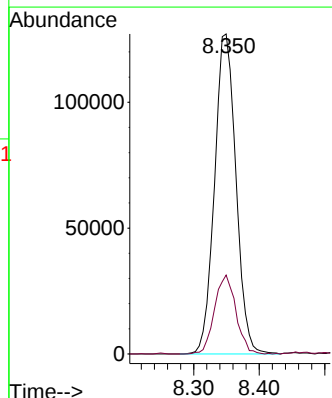
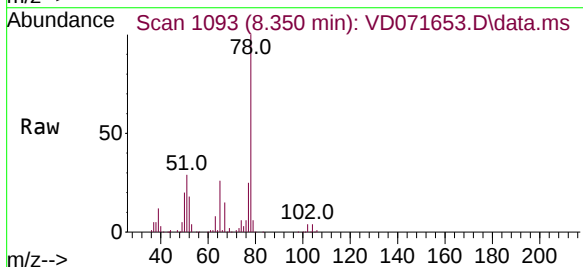
Acq: 10 Jan 2022 12:33

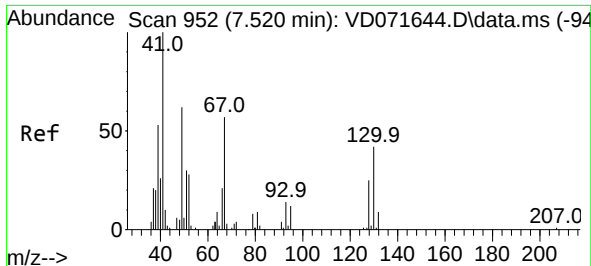
Tgt Ion: 78 Resp: 288155

Ion Ratio Lower Upper

78 100

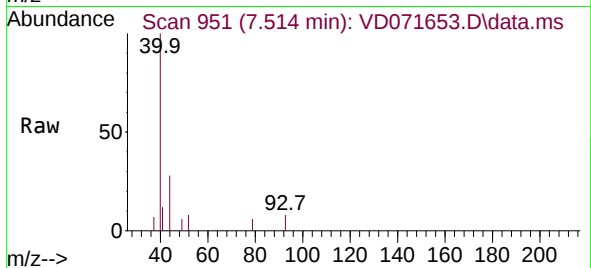
77 24.6 19.4 29.0



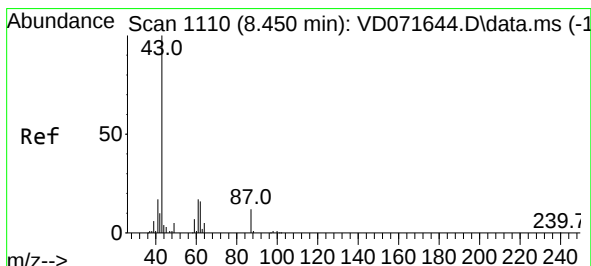
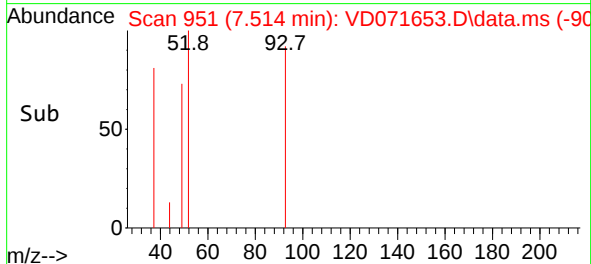
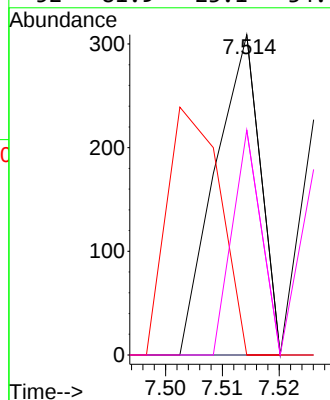


#41
Methacrylonitrile
Concen: 1.228 ug/l
RT: 7.514 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD071653.D
Acq: 10 Jan 2022 12:33

Instrument :
MSVOA_D
ClientSampleId :

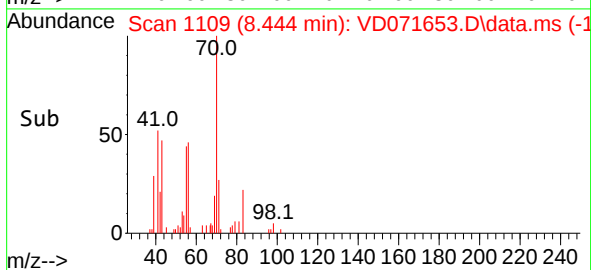
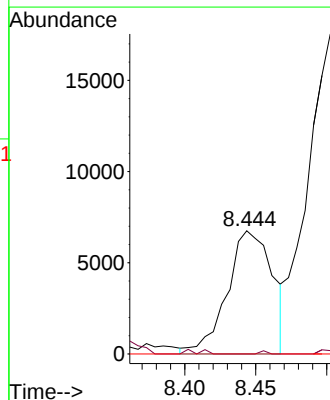
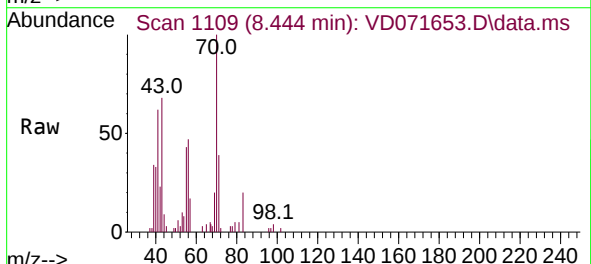


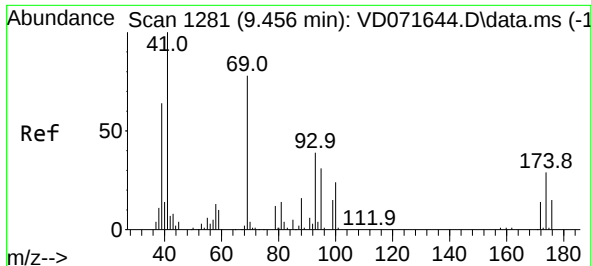
Tgt Ion:	41	Resp:	171
Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.9	70.3#
67	0.0	49.3	73.9#
52	81.9	23.1	34.7#



#43
Isopropyl Acetate
Concen: 2.880 ug/l
RT: 8.444 min Scan# 1109
Delta R.T. -0.005 min
Lab File: VD071653.D
Acq: 10 Jan 2022 12:33

Tgt Ion:	43	Resp:	15014
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.9	32.9#
87	0.0	8.9	13.3#





#48

Methyl methacrylate

Concen: 3.153 ug/l

RT: 9.402 min Scan# 1272

Delta R.T. -0.053 min

Lab File: VD071653.D

Acq: 10 Jan 2022 12:33

Instrument :

MSVOA_D

ClientSampleId :

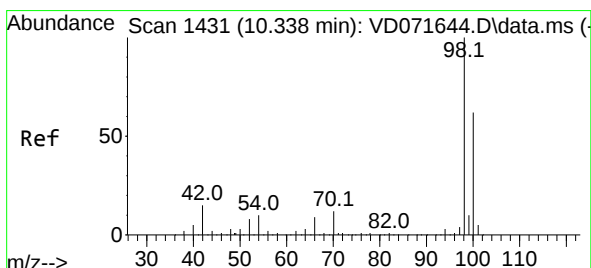
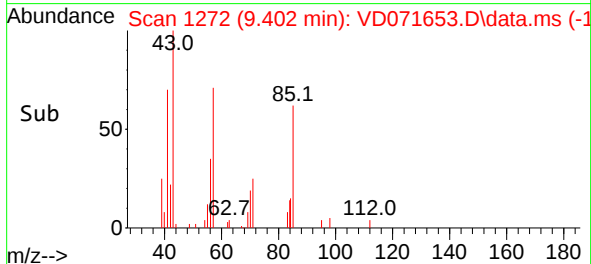
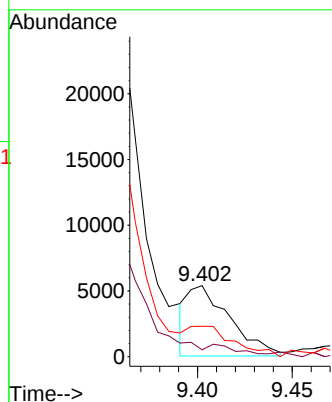
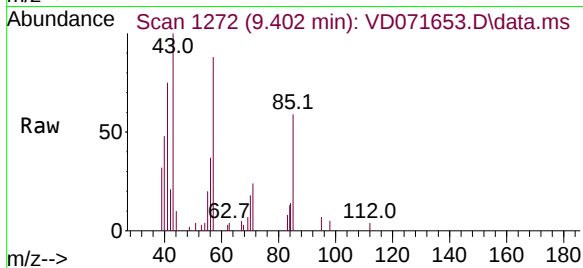
Tgt Ion: 41 Resp: 8306

Ion Ratio Lower Upper

41 100

69 0.0 59.5 89.3#

39 46.9 56.0 84.0#



#50

Toluene-d8

Concen: 47.864 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.001 min

Lab File: VD071653.D

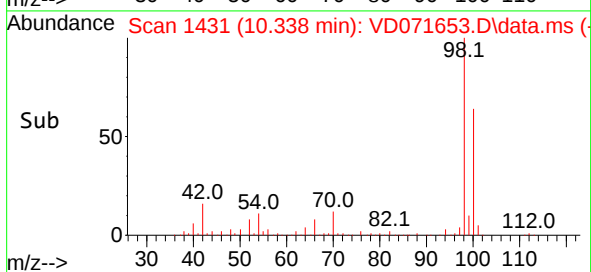
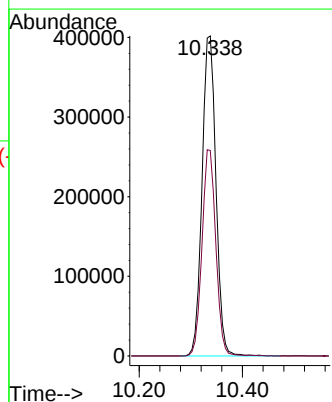
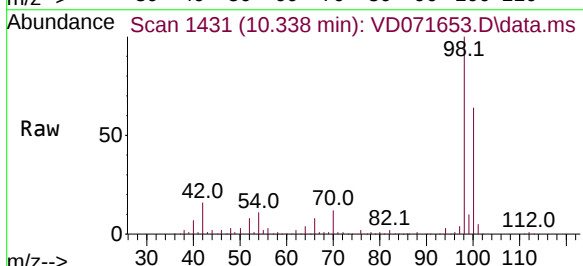
Acq: 10 Jan 2022 12:33

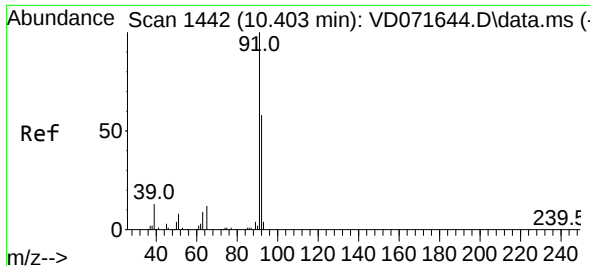
Tgt Ion: 98 Resp: 749481

Ion Ratio Lower Upper

98 100

100 63.9 52.1 78.1

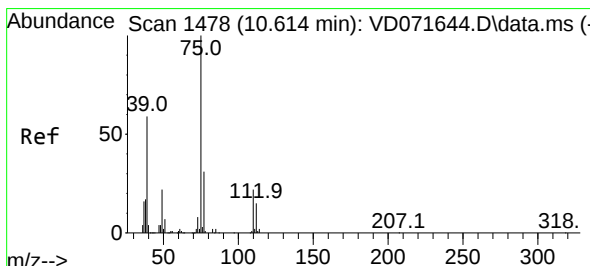
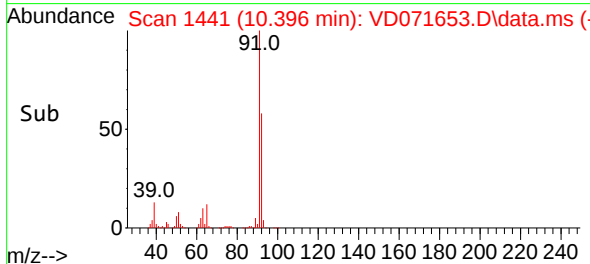
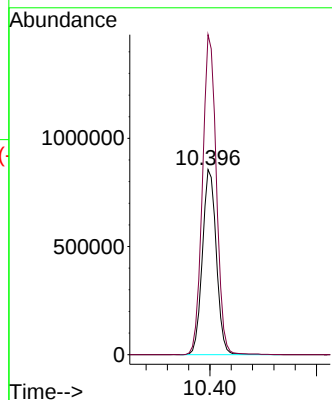
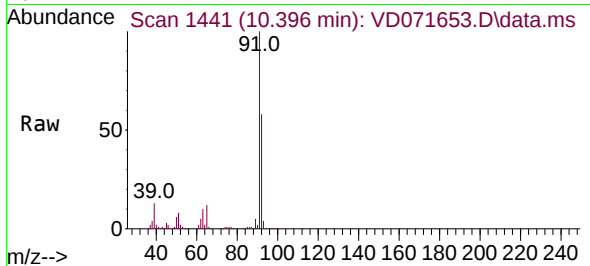




#52
Toluene
Concen: 149.537 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.006 min
Lab File: VD071653.D
Acq: 10 Jan 2022 12:33

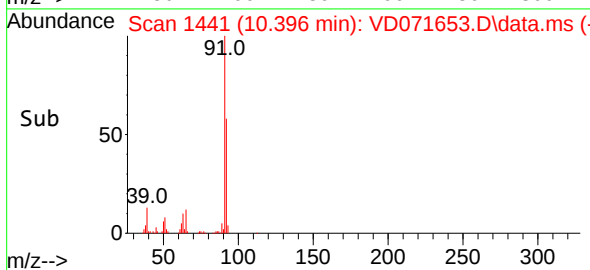
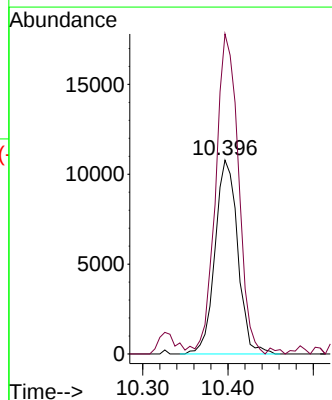
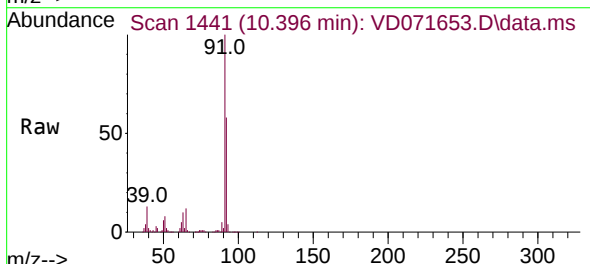
Instrument :
MSVOA_D
ClientSampleId :

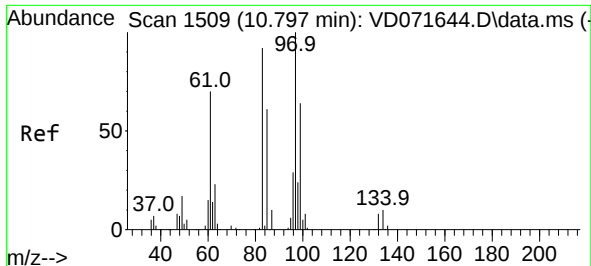
Tgt Ion: 92 Resp: 1547495
Ion Ratio Lower Upper
92 100
91 172.7 137.3 205.9



#53
t-1,3-Dichloropropene
Concen: 3.647 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.218 min
Lab File: VD071653.D
Acq: 10 Jan 2022 12:33

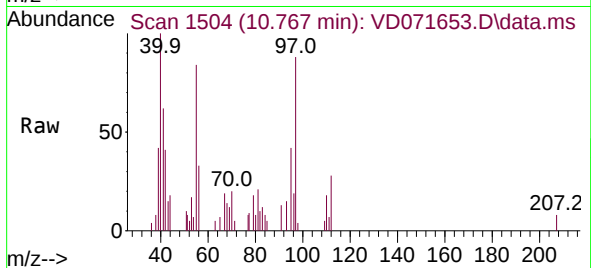
Tgt Ion: 75 Resp: 19982
Ion Ratio Lower Upper
75 100
77 162.9 24.2 36.2#



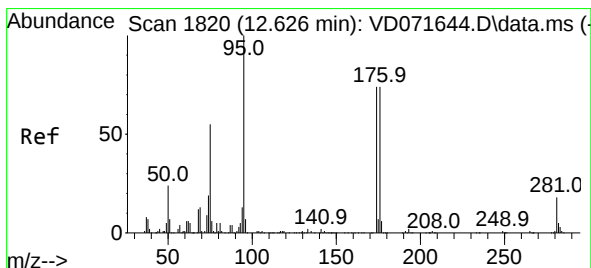
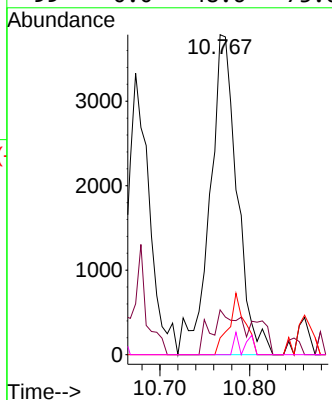
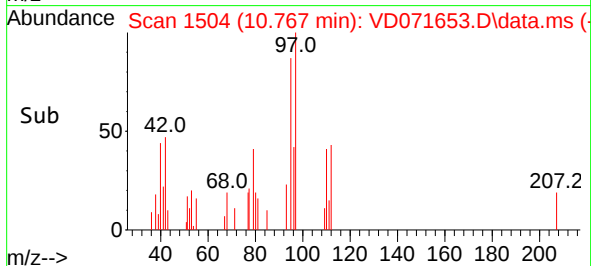


#55
1,1,2-Trichloroethane
Concen: 2.671 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.029 min
Lab File: VD071653.D
Acq: 10 Jan 2022 12:33

Instrument :
MSVOA_D
ClientSampleId :

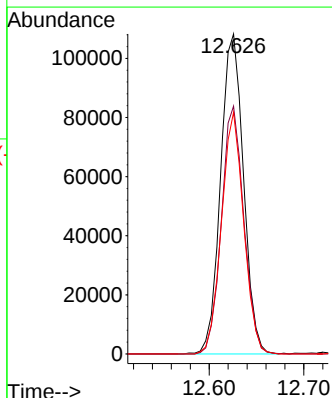
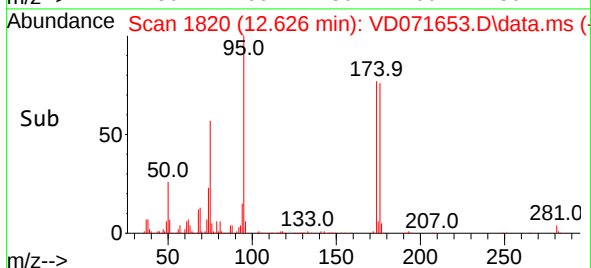
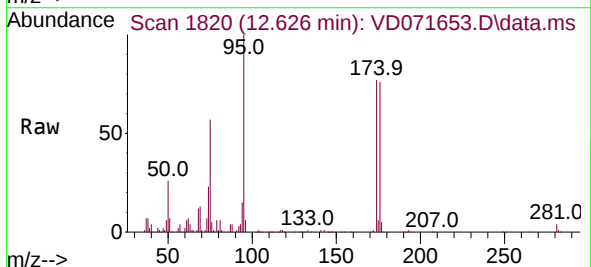


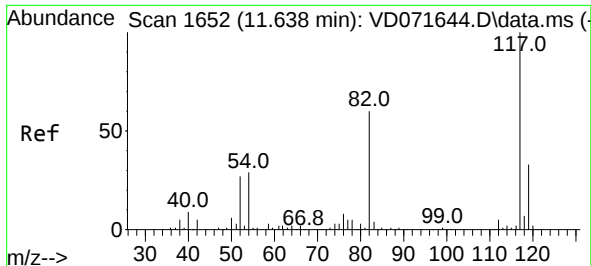
Tgt Ion: 97	Resp: 7966
Ion Ratio	Lower Upper
97 100	
83 14.0	68.1 102.1#
85 5.3	46.8 70.2#
99 0.0	48.6 73.0#



#62
4-Bromofluorobenzene
Concen: 32.919 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071653.D
Acq: 10 Jan 2022 12:33

Tgt Ion: 95	Resp: 181633
Ion Ratio	Lower Upper
95 100	
174 75.7	0.0 150.0
176 73.2	0.0 146.4

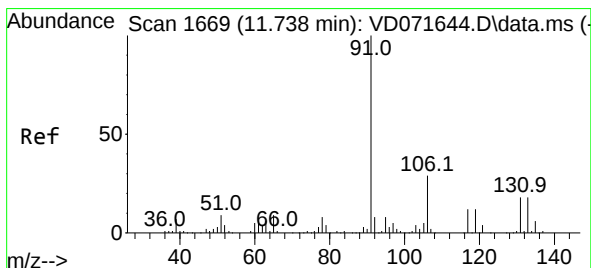
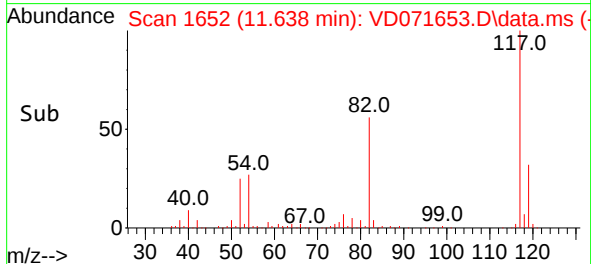
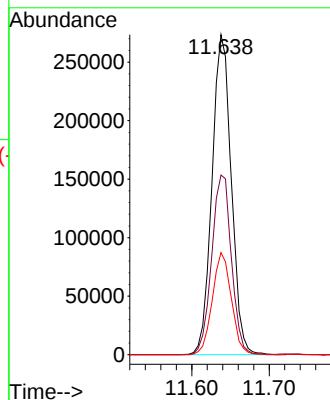
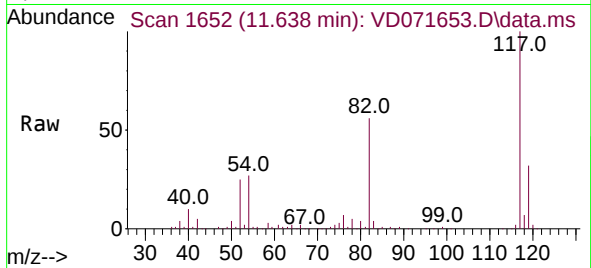




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.001 min
Lab File: VD071653.D
Acq: 10 Jan 2022 12:33

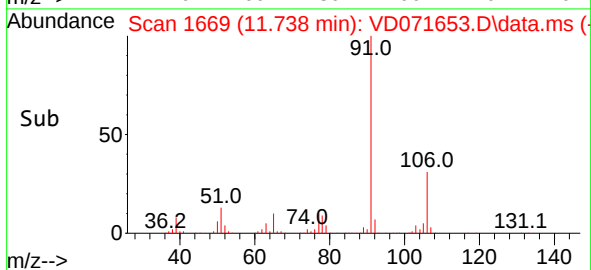
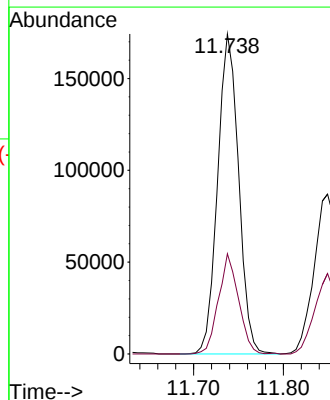
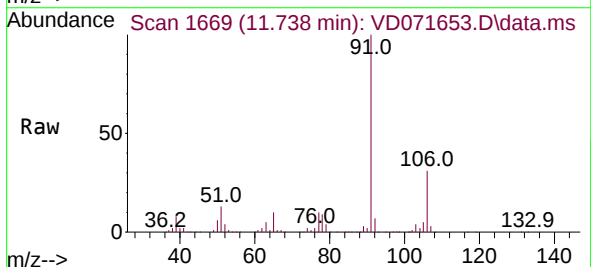
Instrument :
MSVOA_D
ClientSampleId :

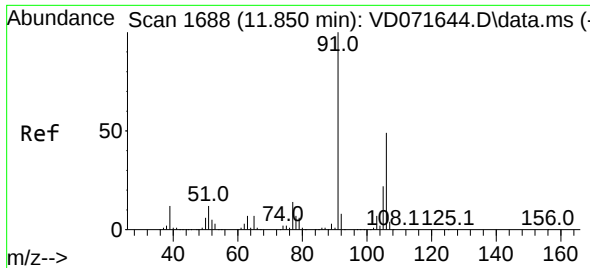
Tgt Ion:117 Resp: 474402
Ion Ratio Lower Upper
117 100
82 56.2 46.9 70.3
119 31.9 26.6 39.8



#67
Ethyl Benzene
Concen: 16.977 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.001 min
Lab File: VD071653.D
Acq: 10 Jan 2022 12:33

Tgt Ion: 91 Resp: 282945
Ion Ratio Lower Upper
91 100
106 31.3 23.6 35.4

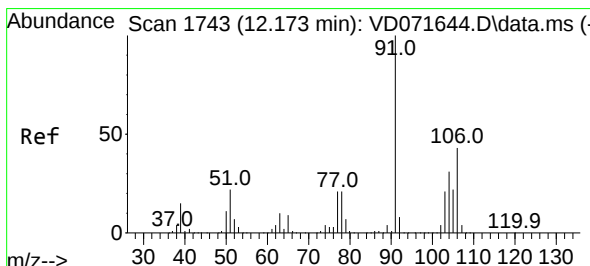
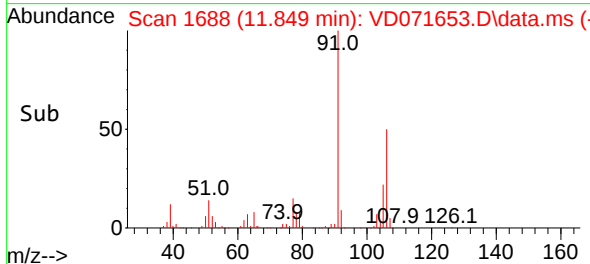
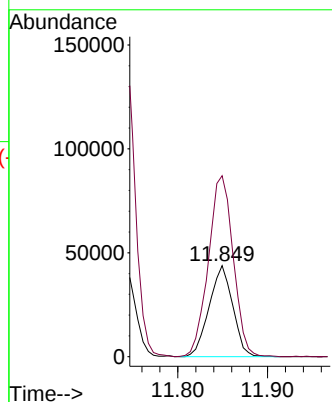
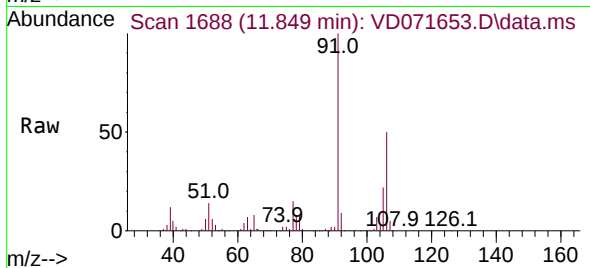




#68
m/p-Xylenes
Concen: 12.877 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VD071653.D
Acq: 10 Jan 2022 12:33

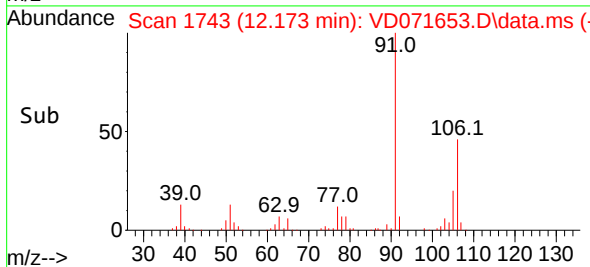
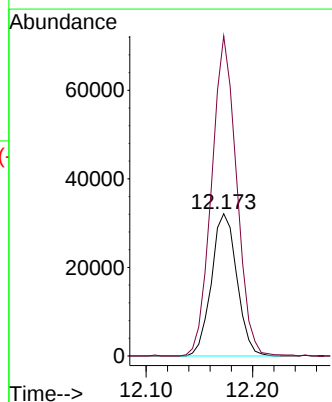
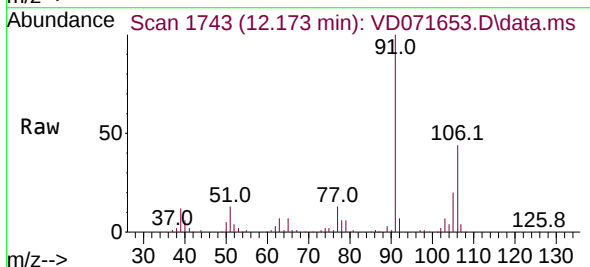
Instrument :
MSVOA_D
ClientSampleId :

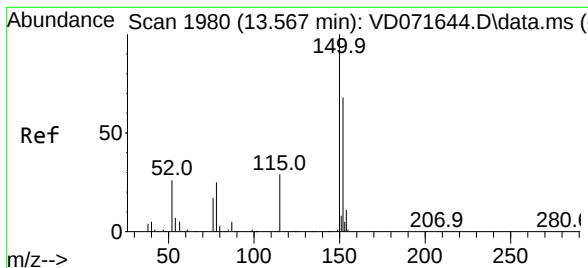
Tgt Ion:106 Resp: 79815
Ion Ratio Lower Upper
106 100
91 209.7 168.6 252.8



#69
o-Xylene
Concen: 9.071 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VD071653.D
Acq: 10 Jan 2022 12:33

Tgt Ion:106 Resp: 53218
Ion Ratio Lower Upper
106 100
91 221.4 110.9 332.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.567 min Scan# 1980

Delta R.T. -0.000 min

Lab File: VD071653.D

Acq: 10 Jan 2022 12:33

Instrument :

MSVOA_D

ClientSampleId :

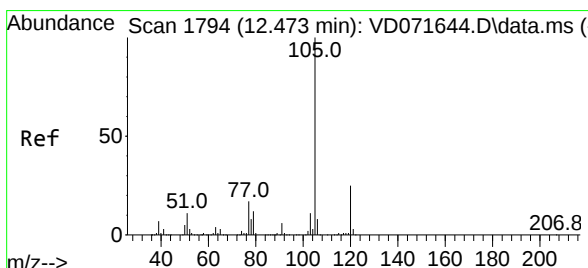
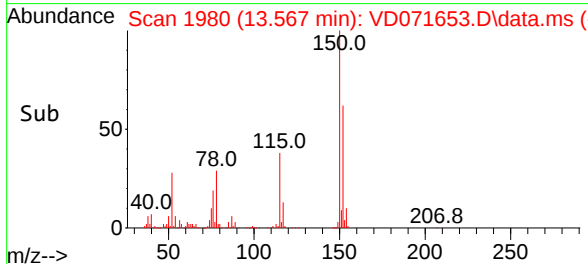
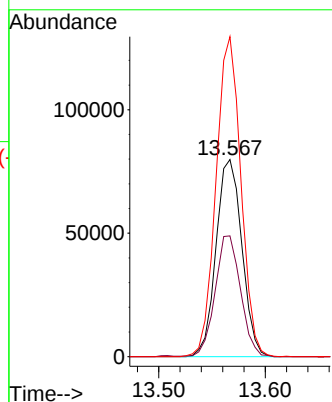
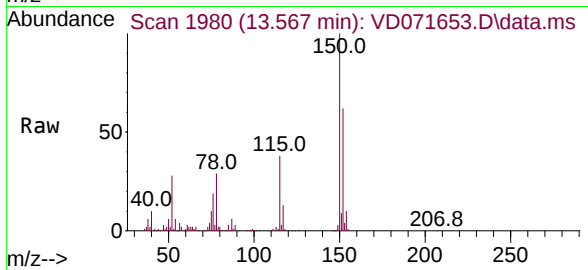
Tgt Ion:152 Resp: 134273

Ion Ratio Lower Upper

152 100

115 60.4 31.5 94.5

150 156.1 0.0 348.0



#73

Isopropylbenzene

Concen: 1.386 ug/l

RT: 12.473 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VD071653.D

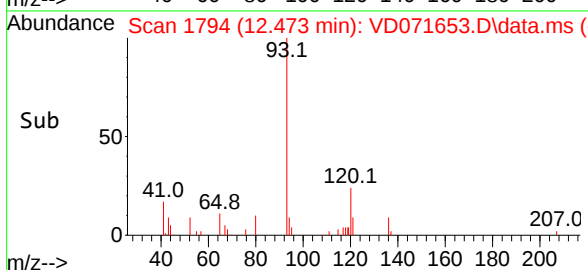
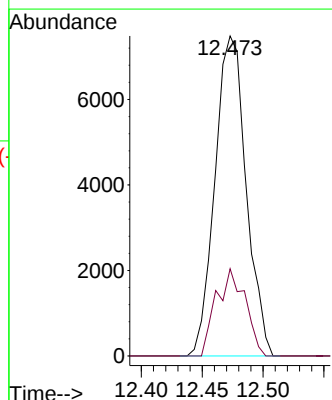
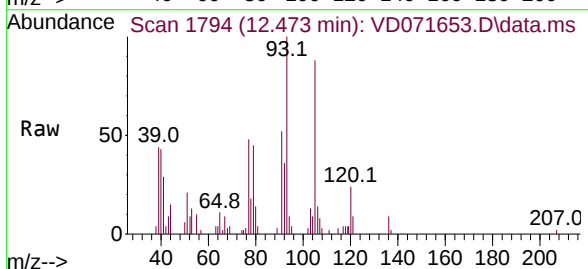
Acq: 10 Jan 2022 12:33

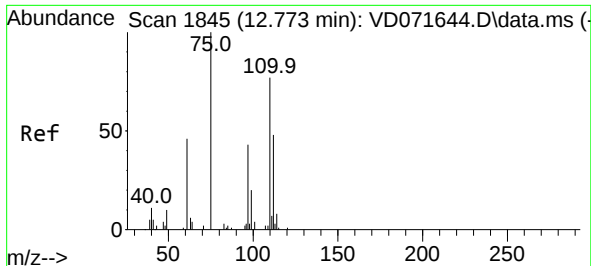
Tgt Ion:105 Resp: 13374

Ion Ratio Lower Upper

105 100

120 25.3 12.5 37.5

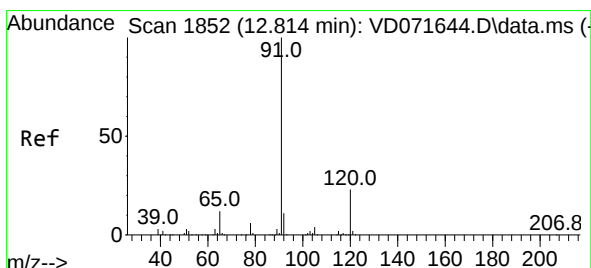
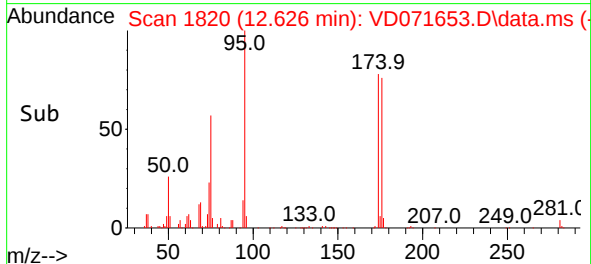
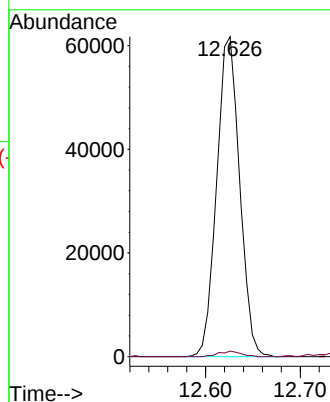
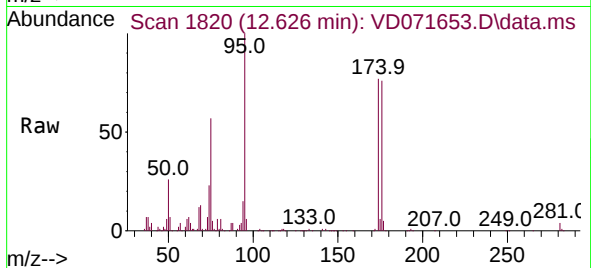




#76
1,2,3-Trichloropropane
Concen: 80.119 ug/l
RT: 12.626 min Scan# 11
Delta R.T. -0.147 min
Lab File: VD071653.D
Acq: 10 Jan 2022 12:33

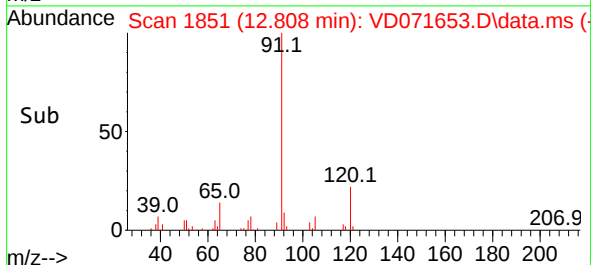
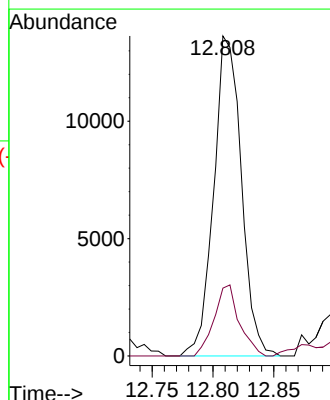
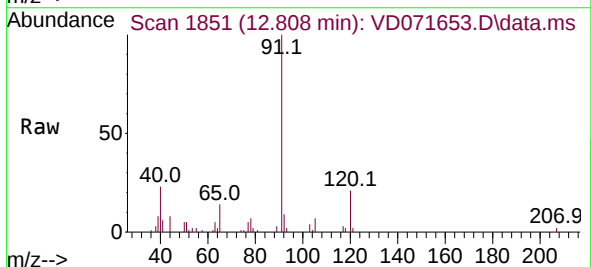
Instrument :
MSVOA_D
ClientSampleId :

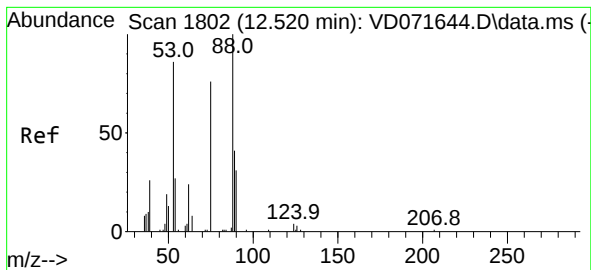
Tgt Ion: 75 Resp: 103951
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#78
n-propylbenzene
Concen: 1.774 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VD071653.D
Acq: 10 Jan 2022 12:33

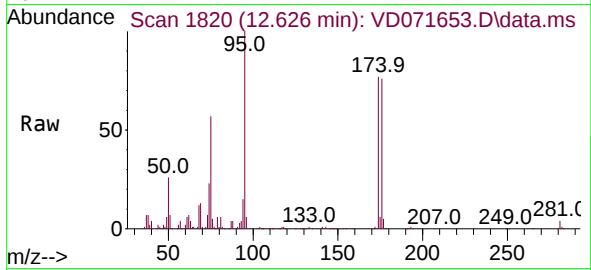
Tgt Ion: 91 Resp: 21531
Ion Ratio Lower Upper
91 100
120 20.2 10.9 32.7





#81
 trans-1,4-Dichloro-2-butene
 Concen: 223.364 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071653.D
 Acq: 10 Jan 2022 12:33

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 103951
 Ion Ratio Lower Upper
 75 100
 53 0.0 95.4 143.0#
 89 0.0 37.2 55.8#

