

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010322\
 Data File : VX026219.D
 Acq On : 03 Jan 2022 14:51
 Operator : JC/MD
 Sample : M5257-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 04 03:50:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 30 08:02:21 2021
 Response via : Initial Calibration

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

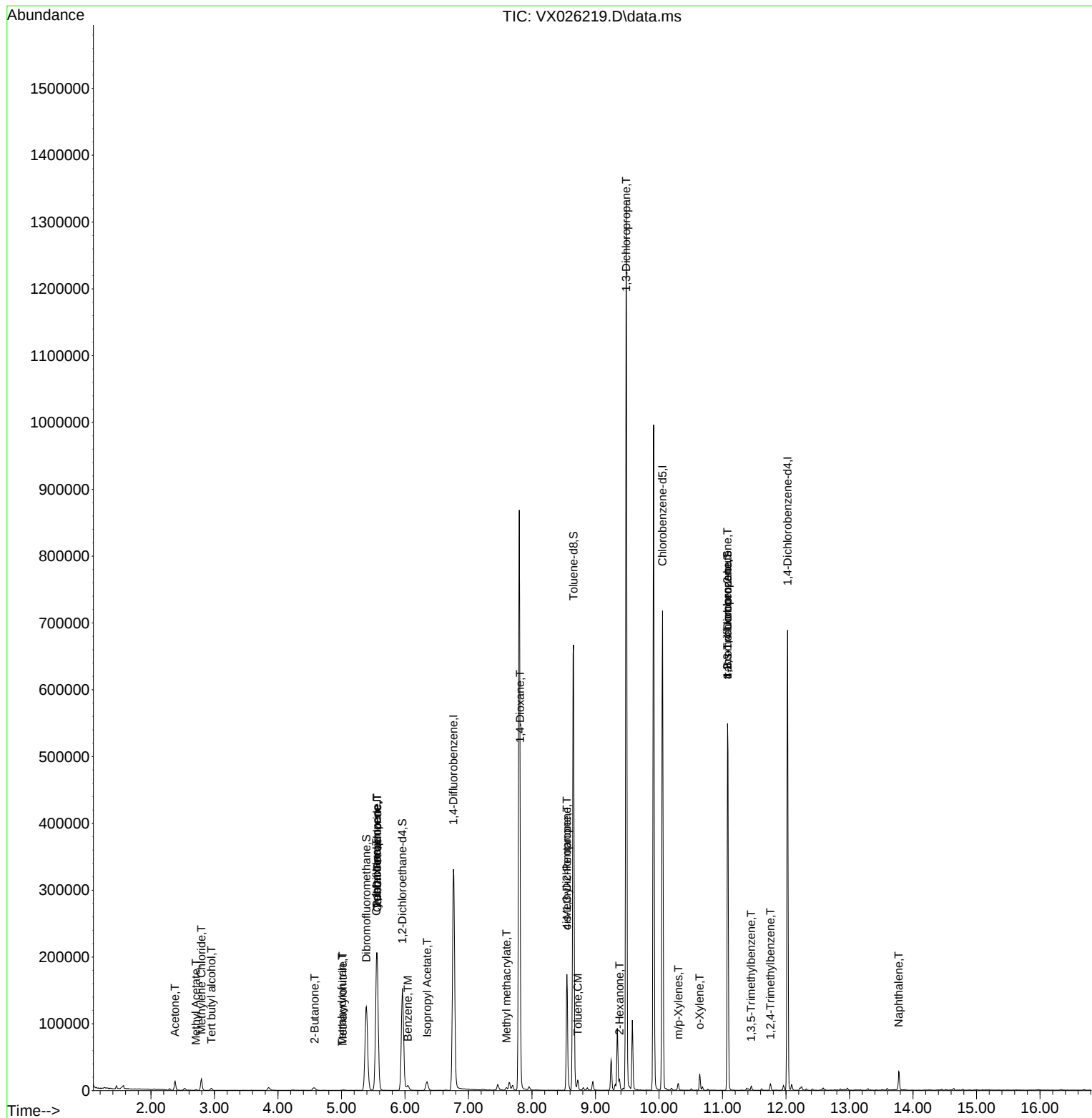
Internal Standards						
1) Pentafluorobenzene	5.556	168	187959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	322531	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	290615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	145428	53.482	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.960%			
35) Dibromofluoromethane	5.391	113	107873	51.445	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.880%			
50) Toluene-d8	8.653	98	386228	49.519	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.040%			
62) 4-Bromofluorobenzene	11.079	95	139018	50.068	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.140%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	2111	3.887	ug/l #	76
16) Acetone	2.380	43	14720	9.991	ug/l	94
18) Methyl Acetate	2.709	43	1334	0.279	ug/l #	77
20) Methylene Chloride	2.794	84	6943	2.041	ug/l	93
25) 2-Butanone	4.574	43	5614	2.735	ug/l	99
29) Tetrahydrofuran	5.007	42	306	0.237	ug/l #	32
31) Cyclohexane	5.550	56	4654	1.202	ug/l #	29
36) 1,1-Dichloropropene	5.556	75	16059	4.748	ug/l #	45
38) Carbon Tetrachloride	5.562	117	20464	5.440	ug/l #	14
40) Benzene	6.044	78	7692	0.797	ug/l	98
41) Methacrylonitrile	5.019	41	536	0.242	ug/l #	28
43) Isopropyl Acetate	6.349	43	18128	2.836	ug/l	96
48) Methyl methacrylate	7.598	41	5993	1.955	ug/l #	12
49) 1,4-Dioxane	7.812	88	122	2.160	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	62078	15.608	ug/l #	49
52) Toluene	8.720	92	4850	0.816	ug/l	100
54) cis-1,3-Dichloropropene	8.549	75	25661	6.516	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	10869	2.598	ug/l #	42
59) 2-Hexanone	9.378	43	8169	2.712	ug/l #	25
68) m/p-Xylenes	10.305	106	2269	0.532	ug/l	89
69) o-Xylene	10.640	106	1431	0.343	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	76537	24.507	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	2882	0.345	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	76537	70.899	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.756	105	3957	0.474	ug/l	94
95) Naphthalene	13.774	128	19017	1.902	ug/l	98

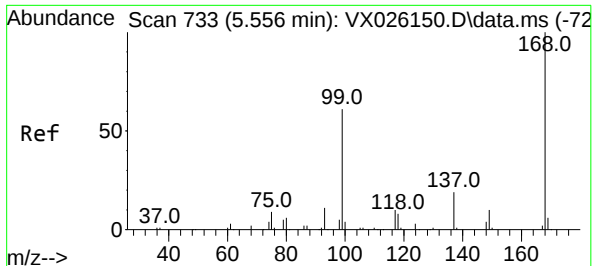
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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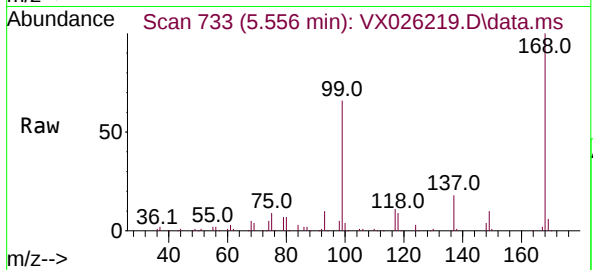
Quant Time: Jan 04 03:50:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 30 08:02:21 2021
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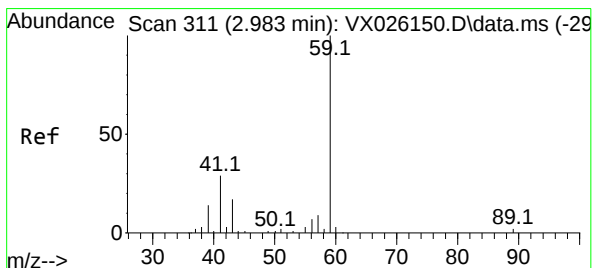
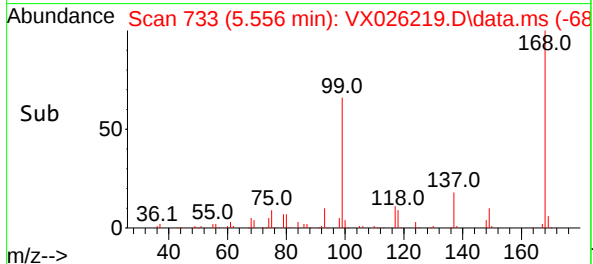
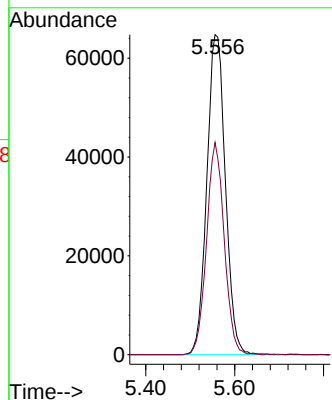


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026219.D
Acq: 03 Jan 2022 14:51

Instrument :
MSVOA_X
ClientSampleId :

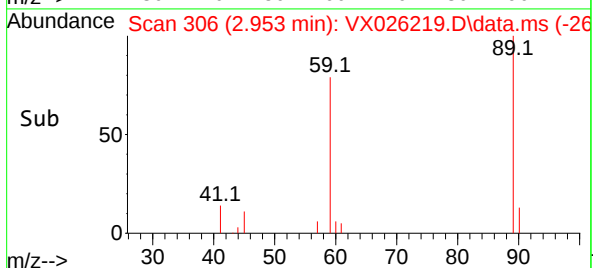
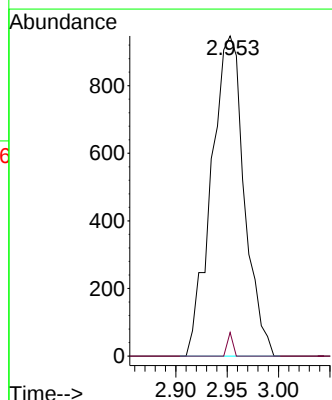
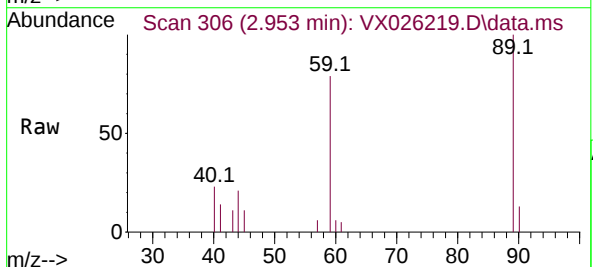


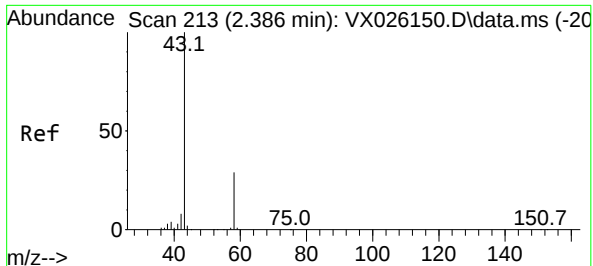
Tgt Ion:168 Resp: 187959
Ion Ratio Lower Upper
168 100
99 66.3 45.8 68.8



#11
Tert butyl alcohol
Concen: 3.887 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX026219.D
Acq: 03 Jan 2022 14:51

Tgt Ion: 59 Resp: 2111
Ion Ratio Lower Upper
59 100
57 1.2 8.2 12.2#

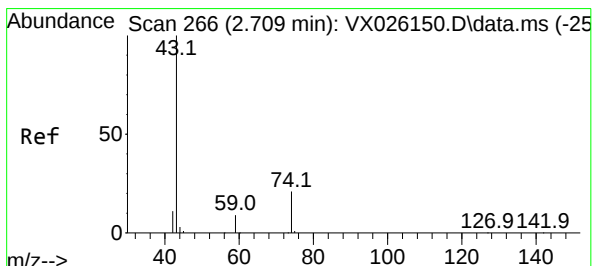
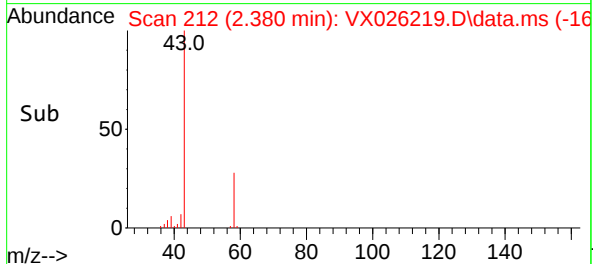
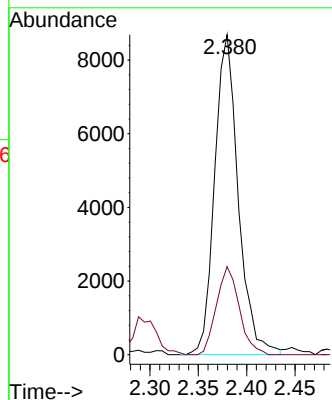
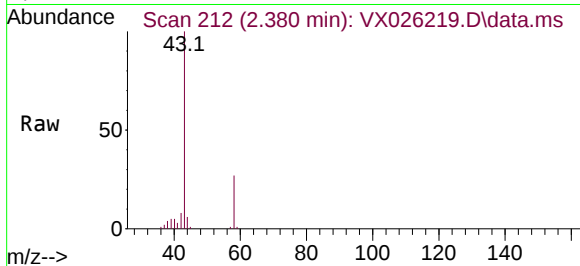




#16
Acetone
Concen: 9.991 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX026219.D
Acq: 03 Jan 2022 14:51

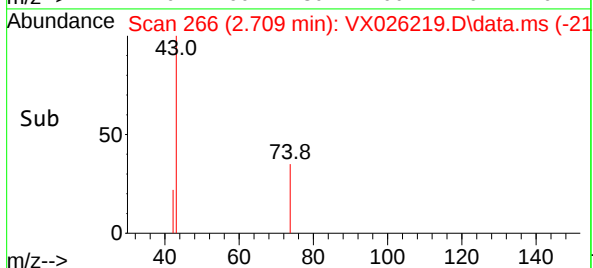
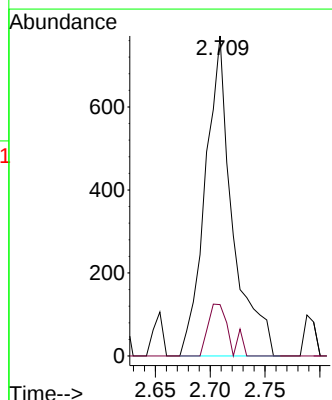
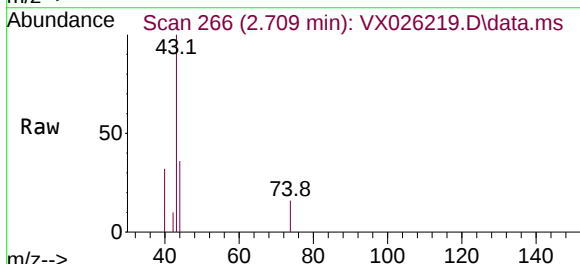
Instrument :
MSVOA_X
ClientSampleId :

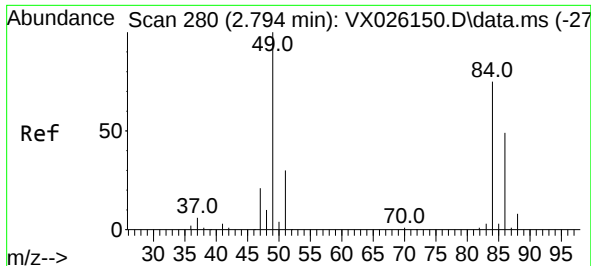
Tgt Ion: 43 Resp: 14720
Ion Ratio Lower Upper
43 100
58 27.5 24.8 37.2



#18
Methyl Acetate
Concen: 0.279 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX026219.D
Acq: 03 Jan 2022 14:51

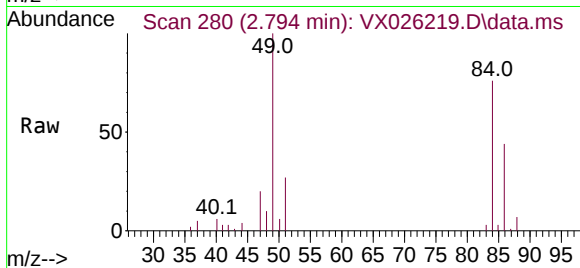
Tgt Ion: 43 Resp: 1334
Ion Ratio Lower Upper
43 100
74 12.4 19.1 28.7#



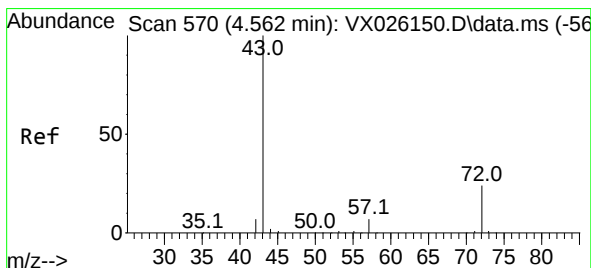
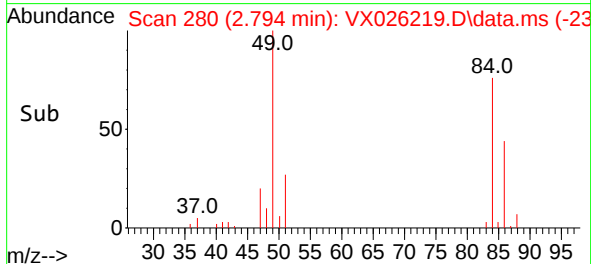
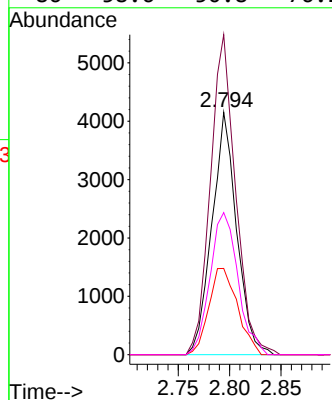


#20
Methylene Chloride
Concen: 2.041 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX026219.D
Acq: 03 Jan 2022 14:51

Instrument :
MSVOA_X
ClientSampleId :

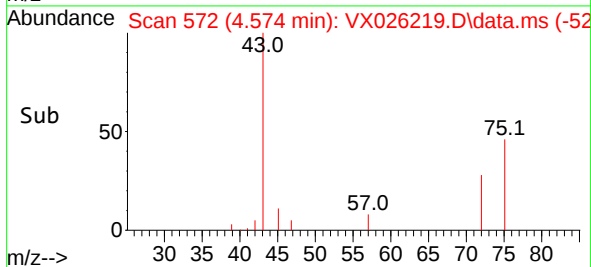
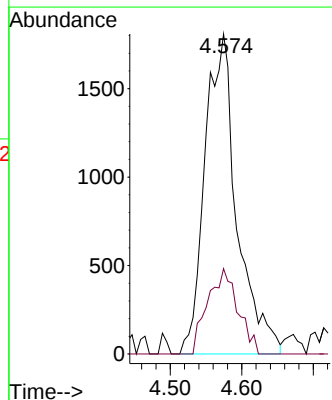
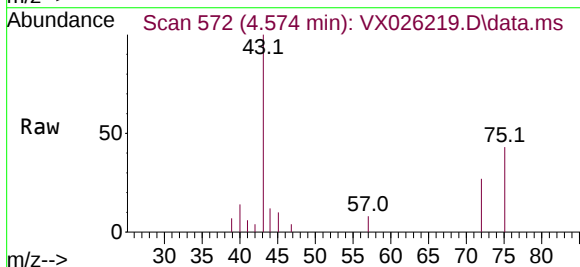


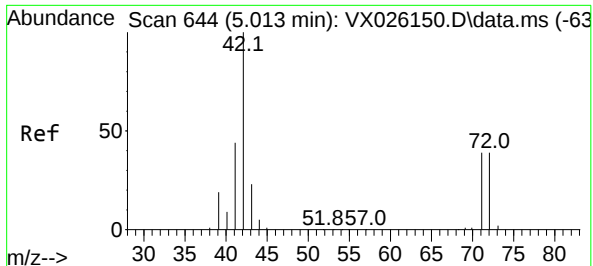
Tgt Ion:	84	Resp:	6943
Ion	Ratio	Lower	Upper
84	100		
49	132.0	97.1	145.7
51	35.6	29.3	43.9
86	58.6	50.8	76.2



#25
2-Butanone
Concen: 2.735 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX026219.D
Acq: 03 Jan 2022 14:51

Tgt Ion:	43	Resp:	5614
Ion	Ratio	Lower	Upper
43	100		
72	26.6	21.0	31.4





#29

Tetrahydrofuran

Concen: 0.237 ug/l

RT: 5.007 min Scan# 644

Delta R.T. -0.006 min

Lab File: VX026219.D

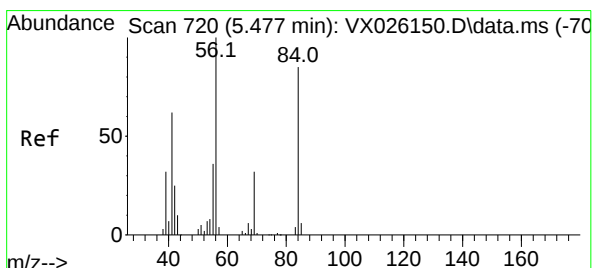
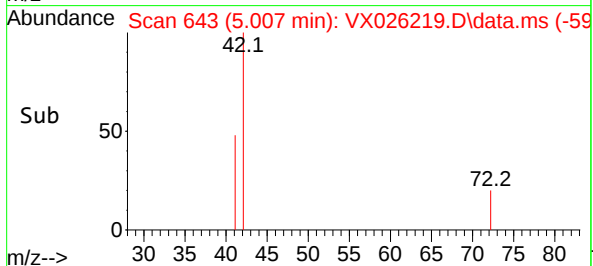
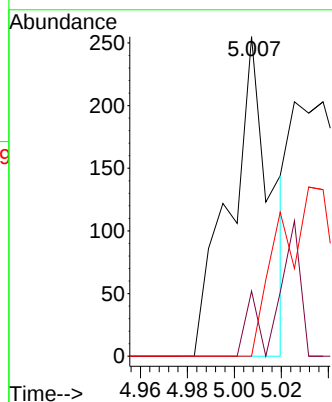
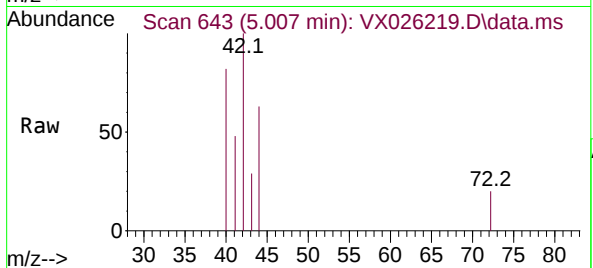
Acq: 03 Jan 2022 14:51

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	306
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.0	55.6#
71	0.0	34.1	51.1#



#31

Cyclohexane

Concen: 1.202 ug/l

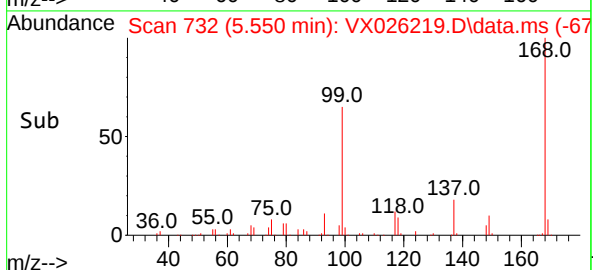
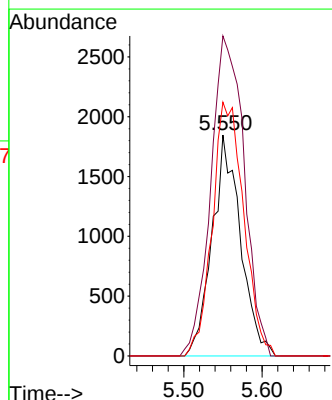
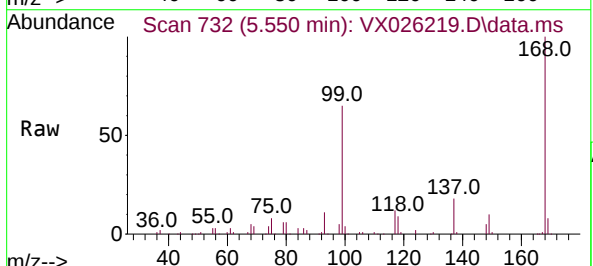
RT: 5.550 min Scan# 732

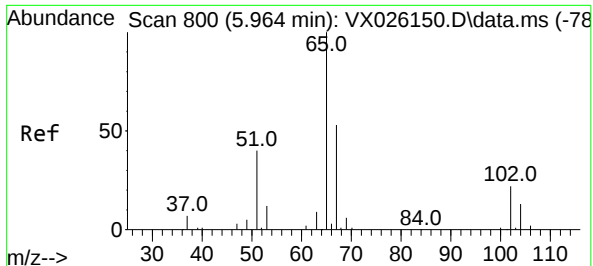
Delta R.T. 0.073 min

Lab File: VX026219.D

Acq: 03 Jan 2022 14:51

Tgt Ion:	56	Resp:	4654
Ion	Ratio	Lower	Upper
56	100		
69	144.8	23.9	35.9#
84	114.9	73.2	109.8#





#33

1,2-Dichloroethane-d4

Concen: 53.482 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX026219.D

Acq: 03 Jan 2022 14:51

Instrument :

MSVOA_X

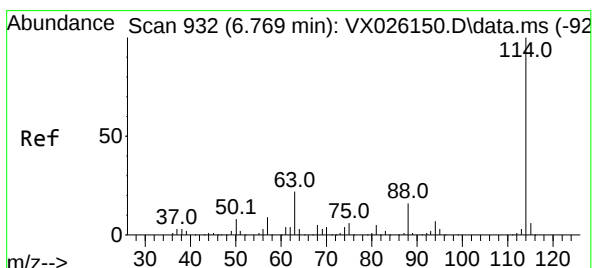
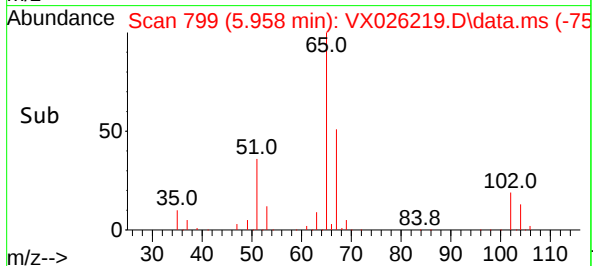
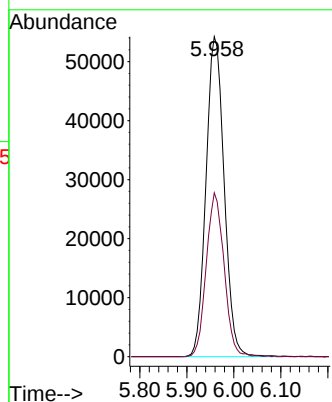
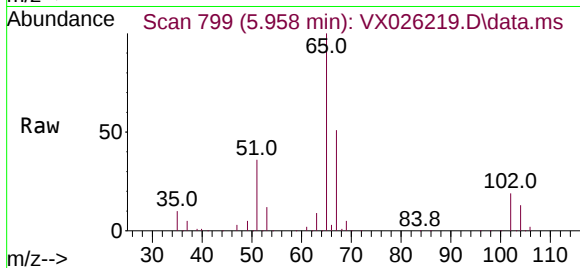
ClientSampleId :

Tgt Ion: 65 Resp: 145428

Ion Ratio Lower Upper

65 100

67 50.3 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX026219.D

Acq: 03 Jan 2022 14:51

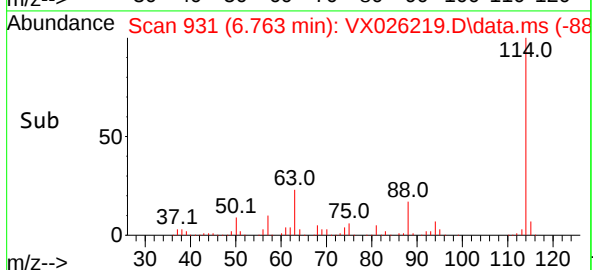
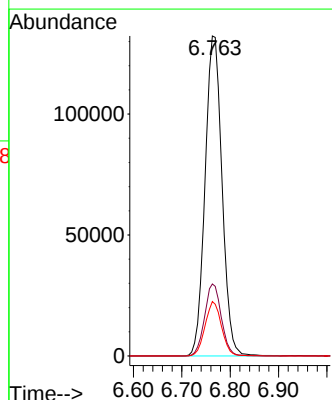
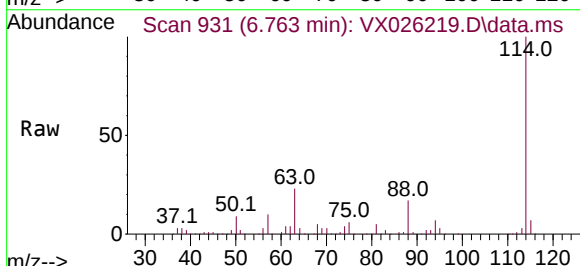
Tgt Ion: 114 Resp: 322531

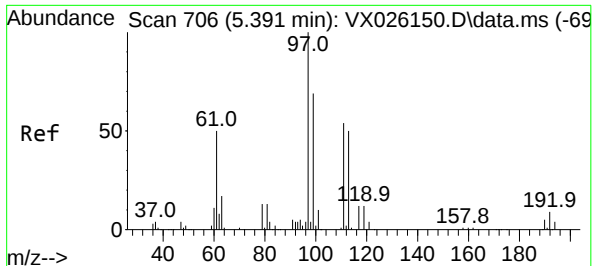
Ion Ratio Lower Upper

114 100

63 22.5 0.0 40.0

88 17.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.445 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

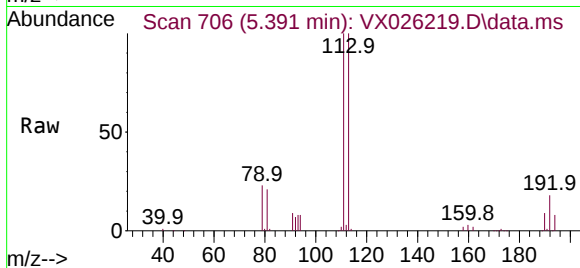
Lab File: VX026219.D

Acq: 03 Jan 2022 14:51

Instrument :

MSVOA_X

ClientSampleId :



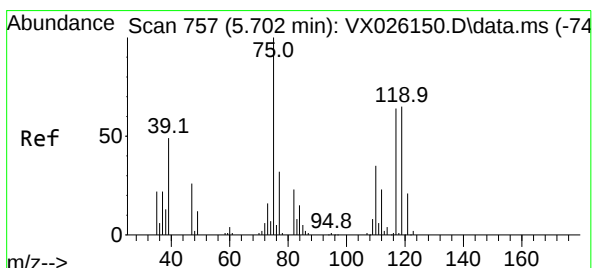
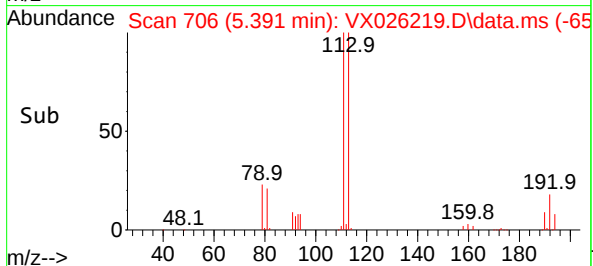
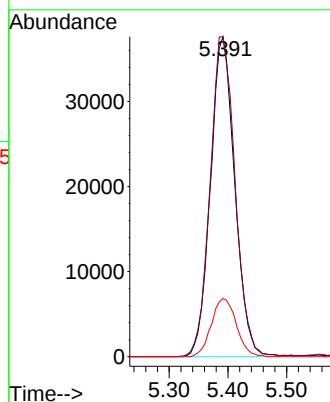
Tgt Ion:113 Resp: 107873

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.8

192 18.7 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.748 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX026219.D

Acq: 03 Jan 2022 14:51

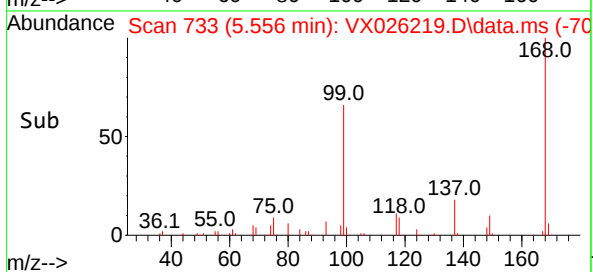
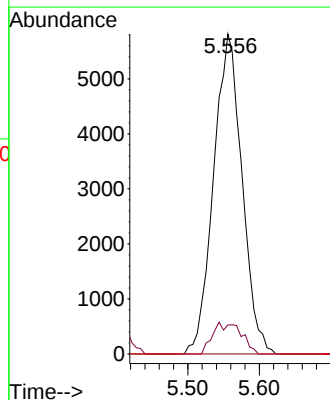
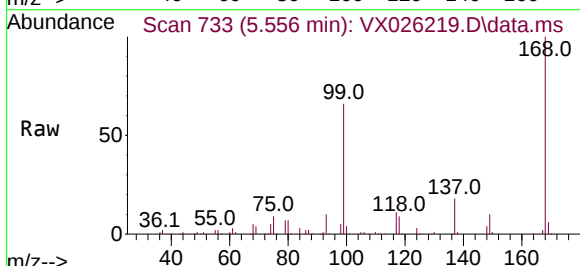
Tgt Ion: 75 Resp: 16059

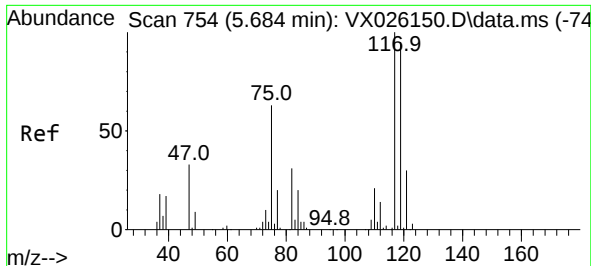
Ion Ratio Lower Upper

75 100

110 4.3 18.2 54.6#

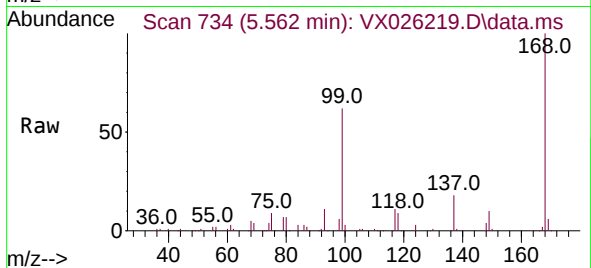
77 0.0 24.7 37.1#



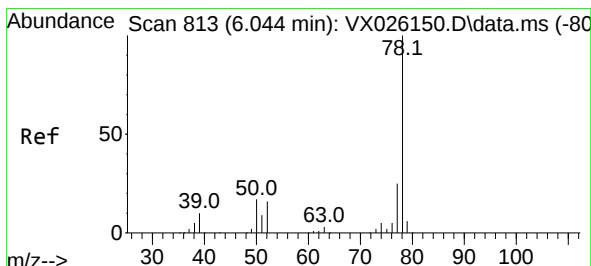
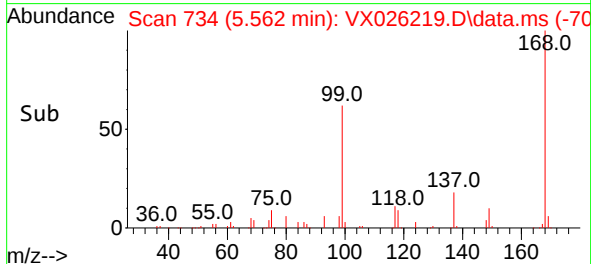
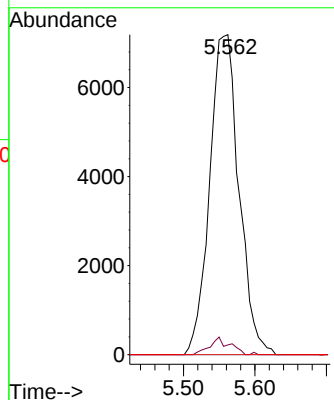


#38
Carbon Tetrachloride
Concen: 5.440 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX026219.D
Acq: 03 Jan 2022 14:51

Instrument :
MSVOA_X
ClientSampleId :

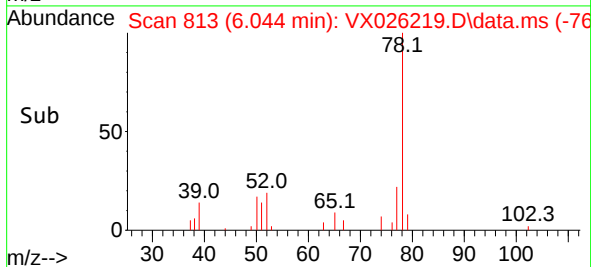
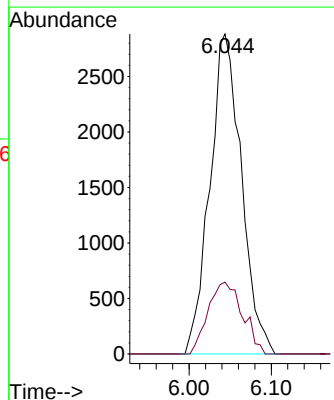
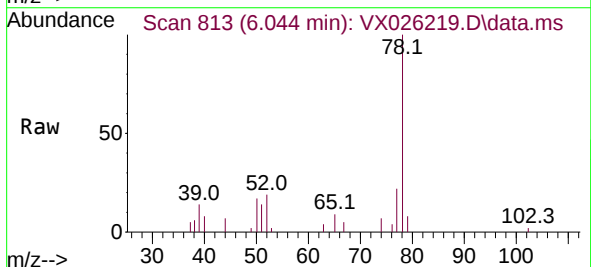


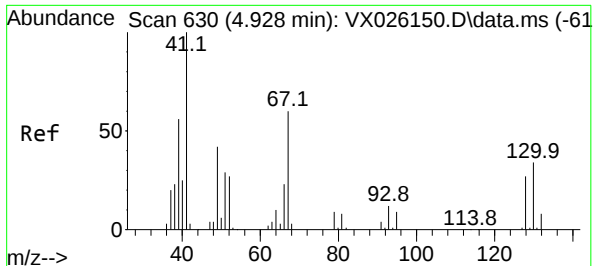
Tgt Ion:117 Resp: 20464
Ion Ratio Lower Upper
117 100
119 3.1 77.2 115.8#
121 0.0 23.8 35.8#



#40
Benzene
Concen: 0.797 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX026219.D
Acq: 03 Jan 2022 14:51

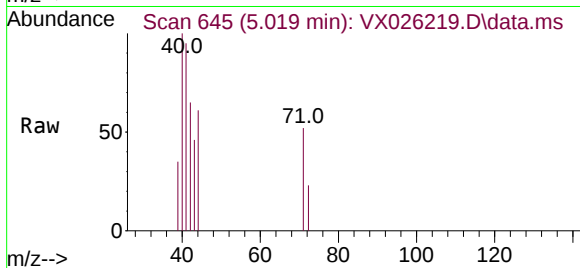
Tgt Ion: 78 Resp: 7692
Ion Ratio Lower Upper
78 100
77 22.4 18.6 27.8



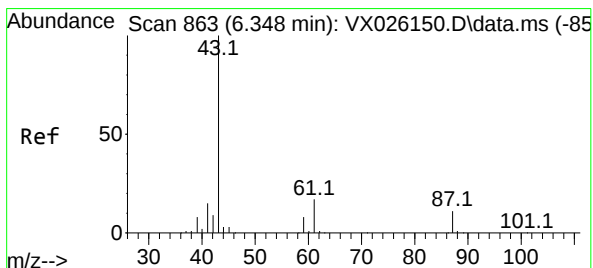
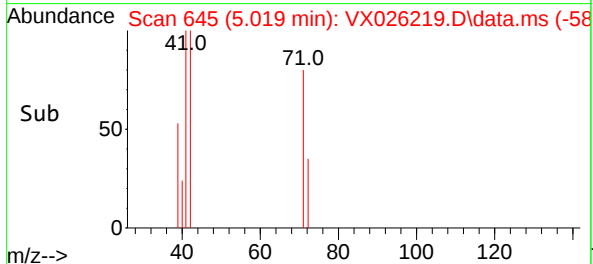
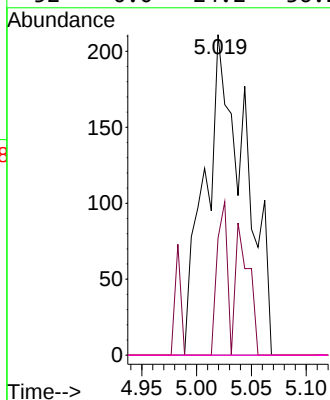


#41
Methacrylonitrile
Concen: 0.242 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.091 min
Lab File: VX026219.D
Acq: 03 Jan 2022 14:51

Instrument :
MSVOA_X
ClientSampleId :

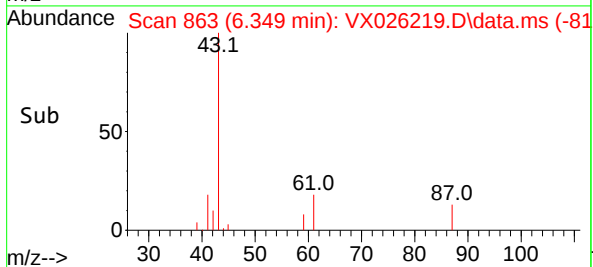
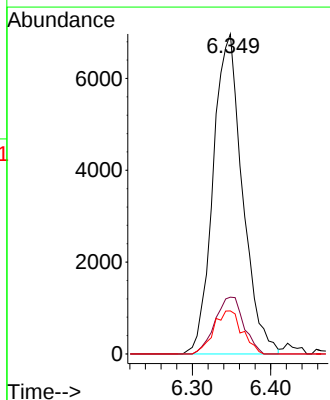
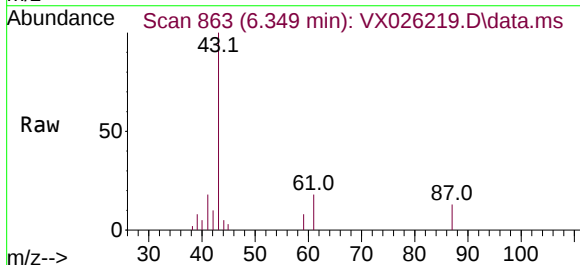


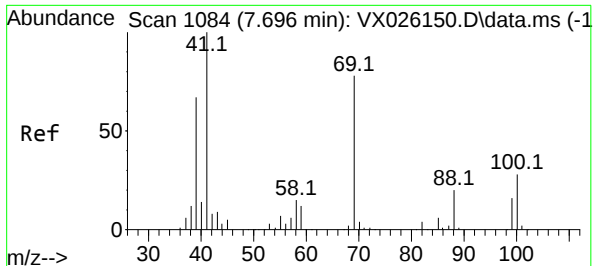
Tgt Ion: 41 Resp: 536
Ion Ratio Lower Upper
41 100
39 12.1 44.2 66.2#
67 0.0 59.7 89.5#
52 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.836 ug/l
RT: 6.349 min Scan# 863
Delta R.T. 0.001 min
Lab File: VX026219.D
Acq: 03 Jan 2022 14:51

Tgt Ion: 43 Resp: 18128
Ion Ratio Lower Upper
43 100
61 17.3 15.7 23.5
87 13.2 11.2 16.8





#48

Methyl methacrylate

Concen: 1.955 ug/l

RT: 7.598 min Scan# 1103

Delta R.T. -0.098 min

Lab File: VX026219.D

Acq: 03 Jan 2022 14:51

Instrument :

MSVOA_X

ClientSampleId :

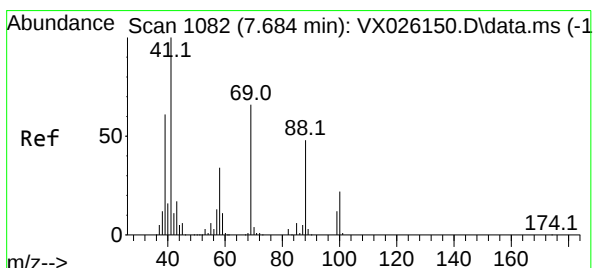
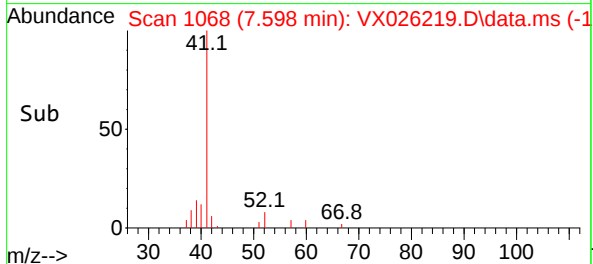
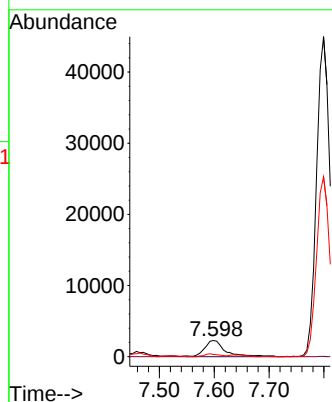
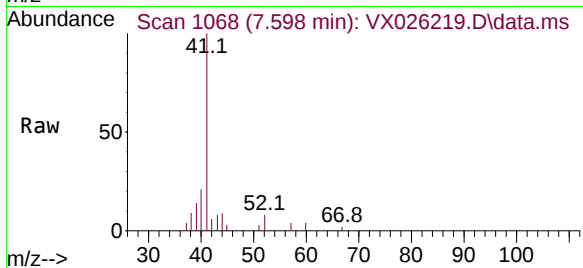
Tgt Ion: 41 Resp: 5993

Ion Ratio Lower Upper

41 100

69 0.0 67.3 100.9#

39 0.0 50.2 75.2#



#49

1,4-Dioxane

Concen: 2.160 ug/l

RT: 7.812 min Scan# 1103

Delta R.T. 0.128 min

Lab File: VX026219.D

Acq: 03 Jan 2022 14:51

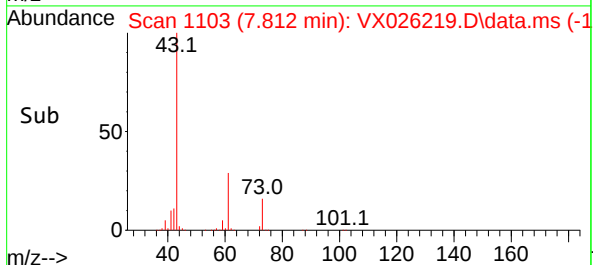
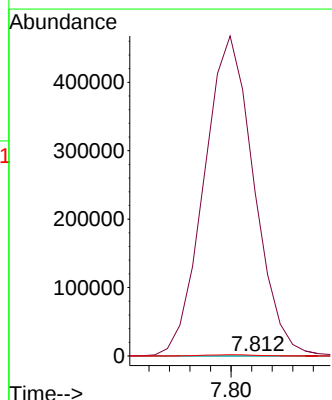
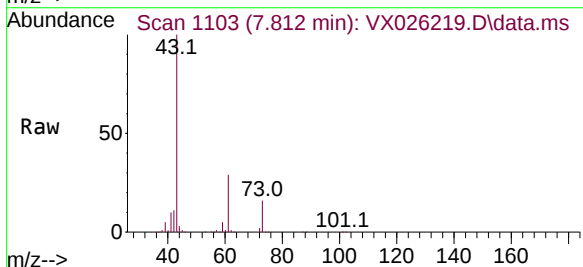
Tgt Ion: 88 Resp: 122

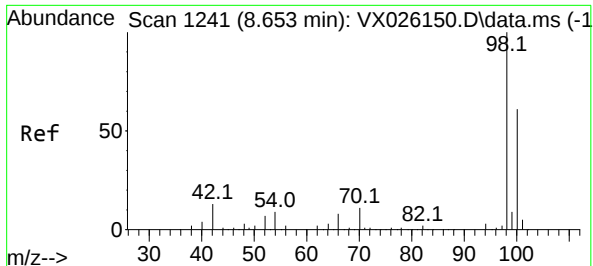
Ion Ratio Lower Upper

88 100

43 652070.5 25.3 37.9#

58 2669.7 51.8 77.6#

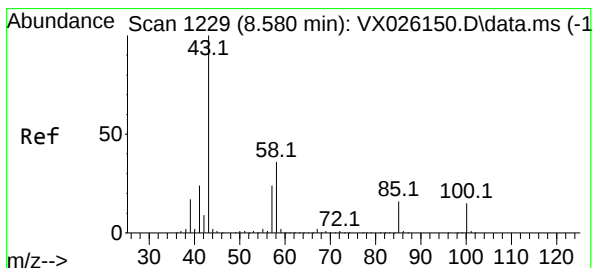
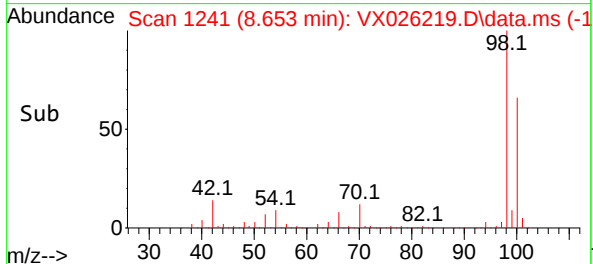
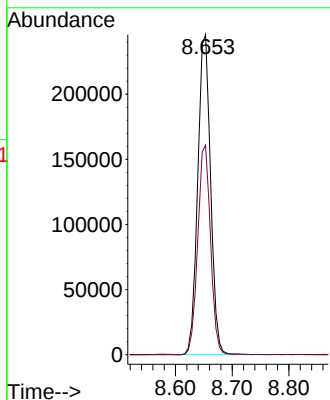
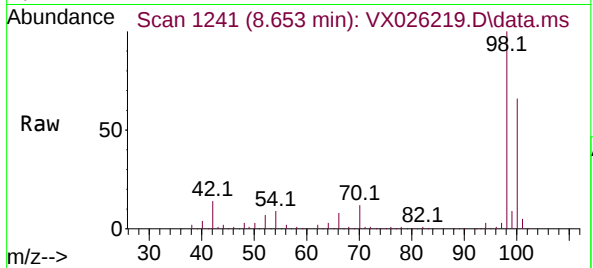




#50
Toluene-d8
Concen: 49.519 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026219.D
Acq: 03 Jan 2022 14:51

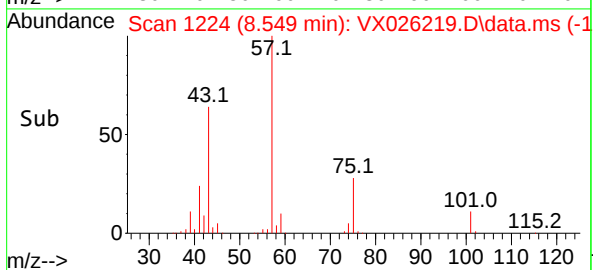
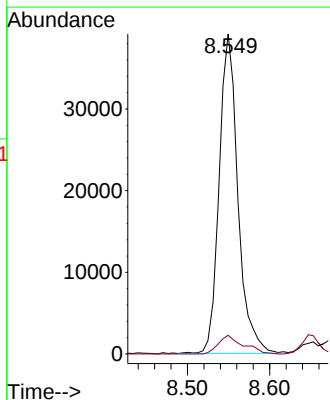
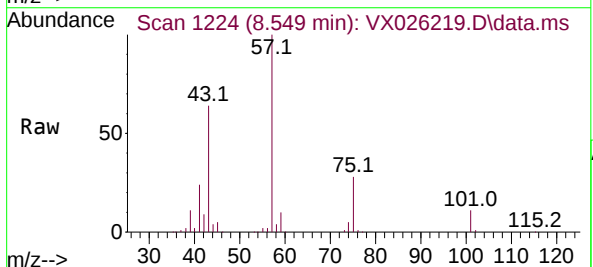
Instrument :
MSVOA_X
ClientSampleId :

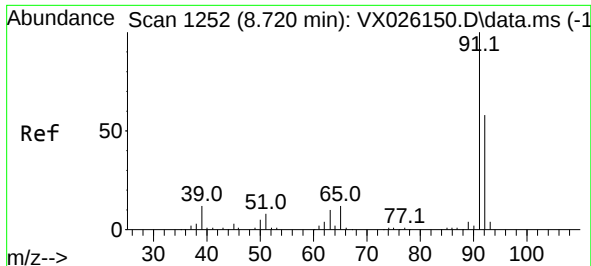
Tgt Ion: 98 Resp: 386228
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 15.608 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX026219.D
Acq: 03 Jan 2022 14:51

Tgt Ion: 43 Resp: 62078
Ion Ratio Lower Upper
43 100
58 7.7 30.8 46.2#

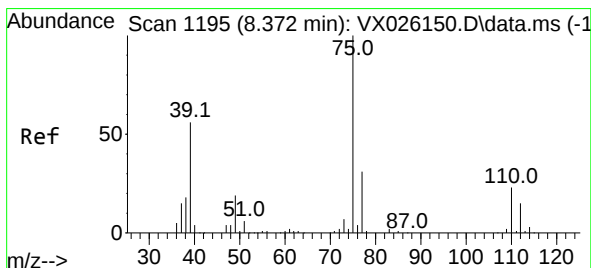
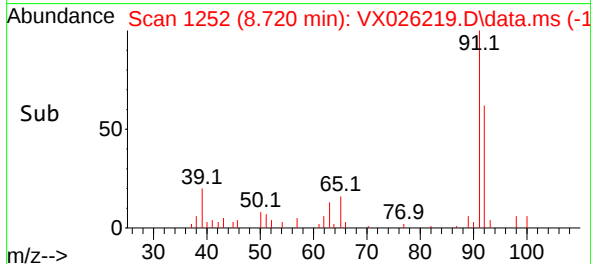
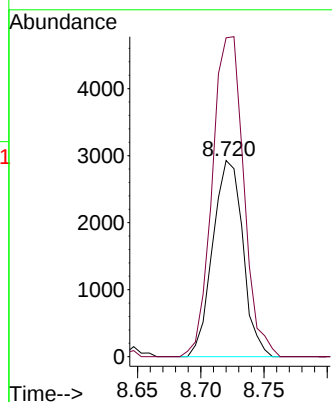
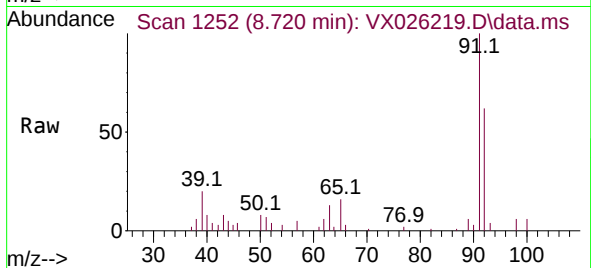




#52
Toluene
Concen: 0.816 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026219.D
Acq: 03 Jan 2022 14:51

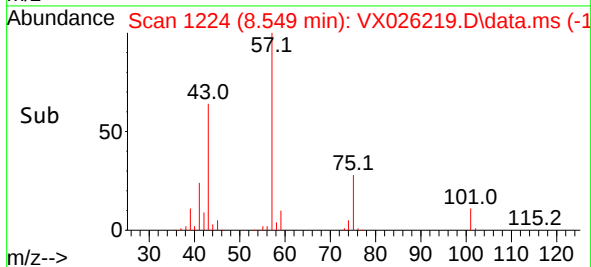
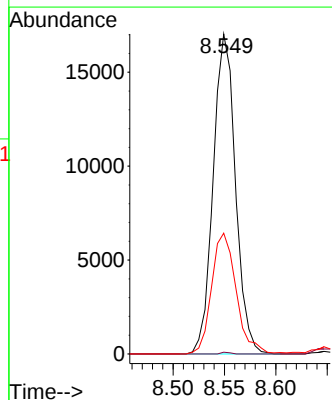
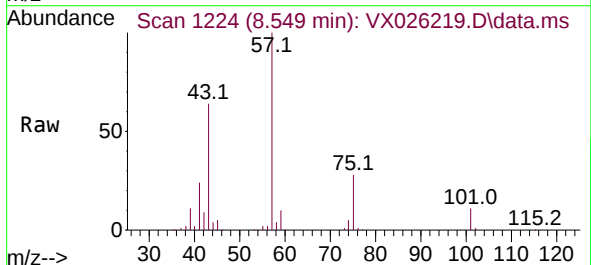
Instrument :
MSVOA_X
ClientSampleId :

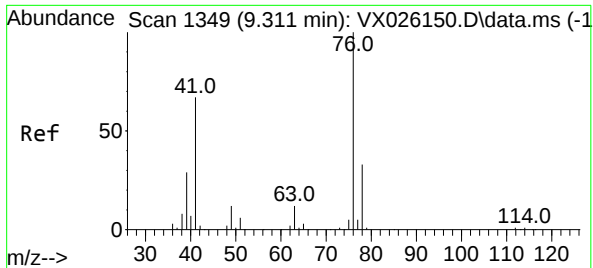
Tgt Ion: 92 Resp: 4850
Ion Ratio Lower Upper
92 100
91 170.3 136.0 204.0



#54
cis-1,3-Dichloropropene
Concen: 6.516 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.177 min
Lab File: VX026219.D
Acq: 03 Jan 2022 14:51

Tgt Ion: 75 Resp: 25661
Ion Ratio Lower Upper
75 100
77 0.6 25.3 37.9#
39 37.8 41.4 62.0#





#57

1,3-Dichloropropane

Concen: 2.598 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.171 min

Lab File: VX026219.D

Acq: 03 Jan 2022 14:51

Instrument :

MSVOA_X

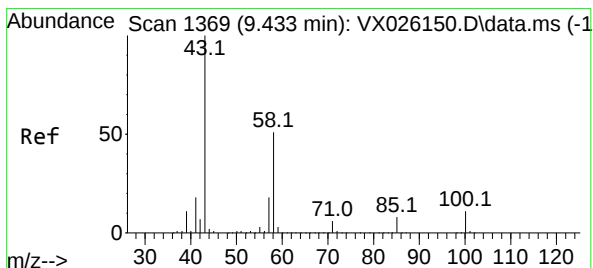
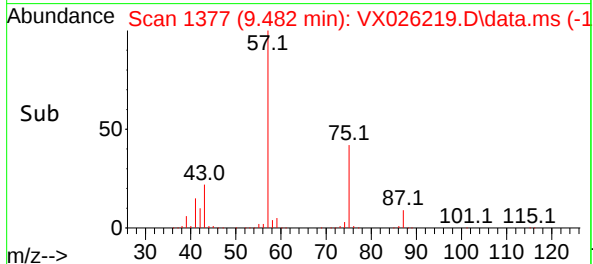
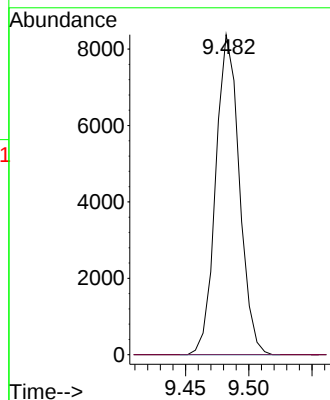
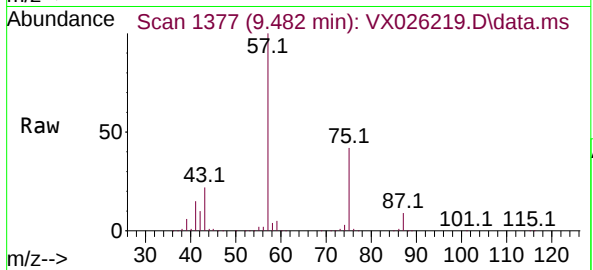
ClientSampleId :

Tgt Ion: 76 Resp: 10869

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 2.712 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.055 min

Lab File: VX026219.D

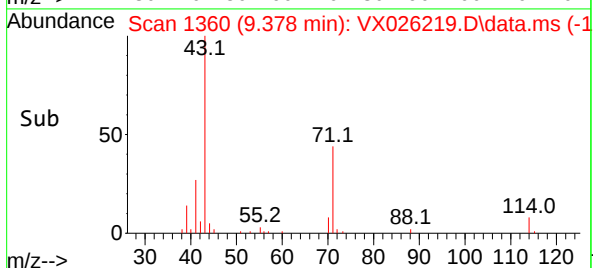
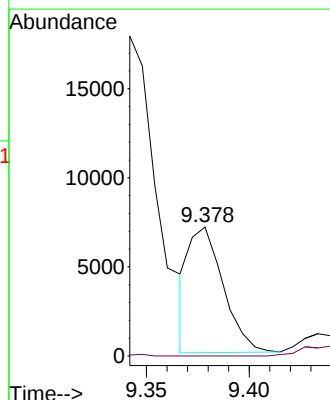
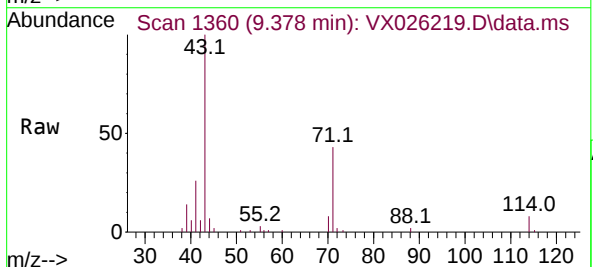
Acq: 03 Jan 2022 14:51

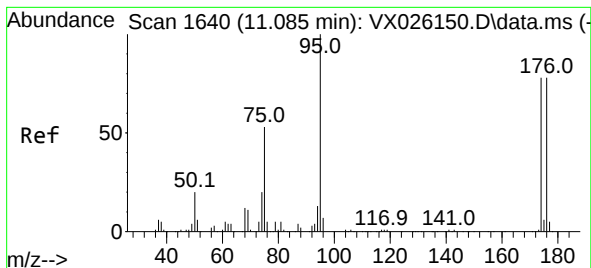
Tgt Ion: 43 Resp: 8169

Ion Ratio Lower Upper

43 100

58 0.0 26.9 80.6#

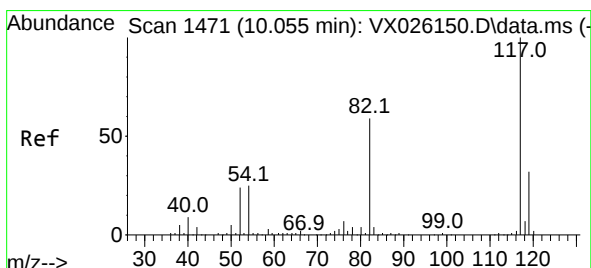
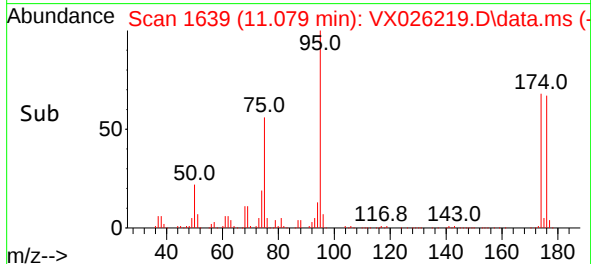
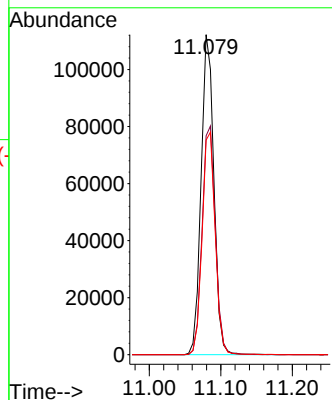
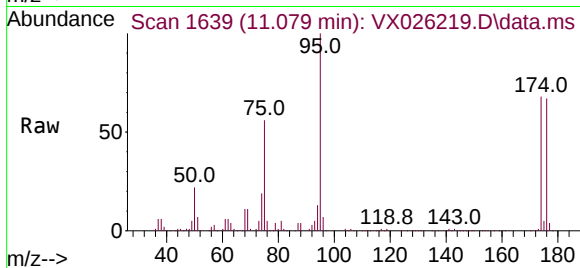




#62
4-Bromofluorobenzene
Concen: 50.068 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX026219.D
Acq: 03 Jan 2022 14:51

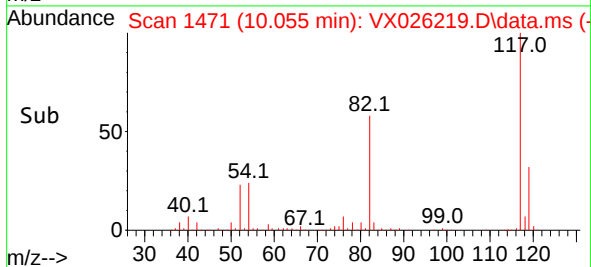
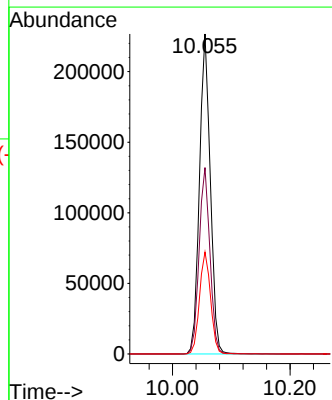
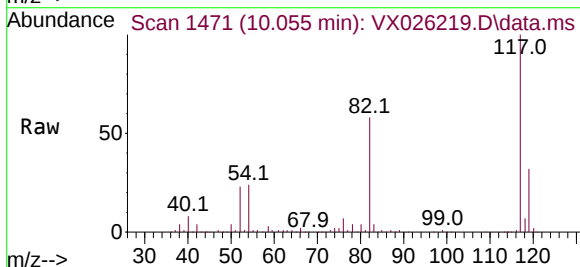
Instrument :
MSVOA_X
ClientSampleId :

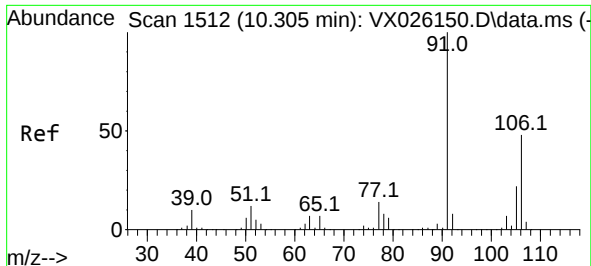
Tgt Ion: 95 Resp: 139018
Ion Ratio Lower Upper
95 100
174 74.1 0.0 157.4
176 71.3 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026219.D
Acq: 03 Jan 2022 14:51

Tgt Ion: 117 Resp: 290615
Ion Ratio Lower Upper
117 100
82 58.2 43.8 65.6
119 31.9 25.2 37.8

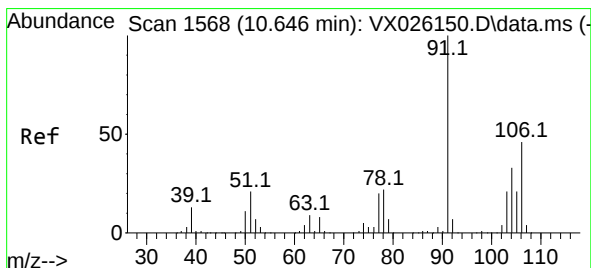
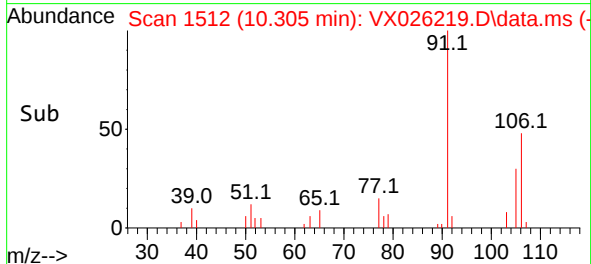
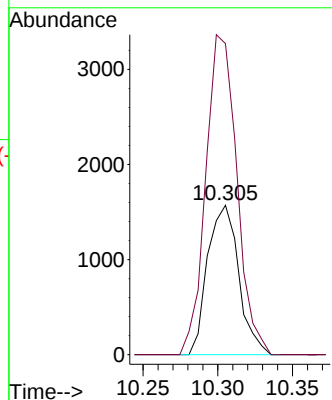
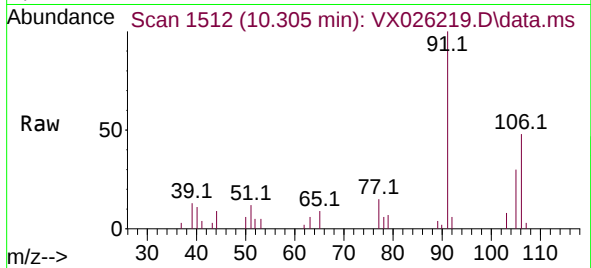




#68
m/p-Xylenes
Concen: 0.532 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX026219.D
Acq: 03 Jan 2022 14:51

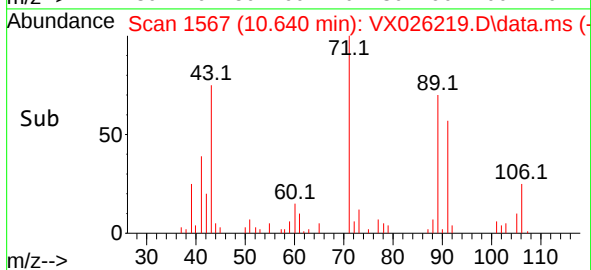
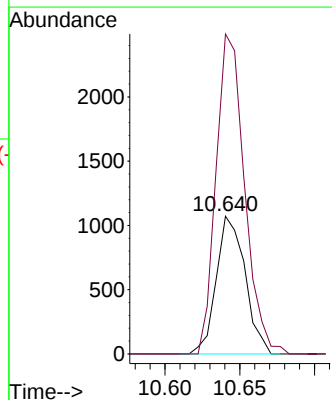
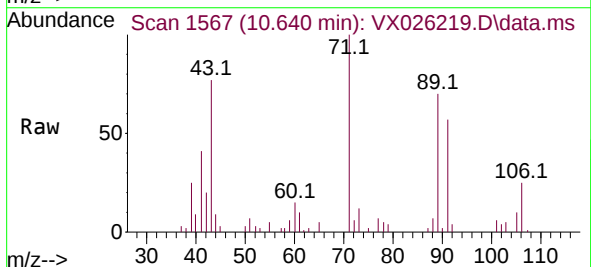
Instrument :
MSVOA_X
ClientSampleId :

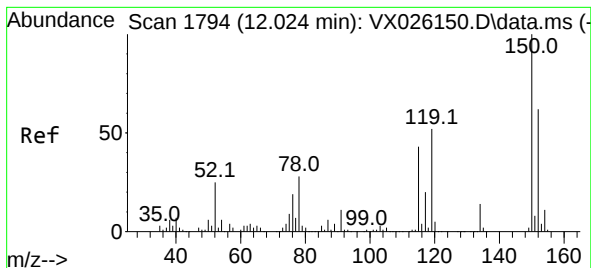
Tgt Ion:106 Resp: 2269
Ion Ratio Lower Upper
106 100
91 215.0 158.6 238.0



#69
o-Xylene
Concen: 0.343 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VX026219.D
Acq: 03 Jan 2022 14:51

Tgt Ion:106 Resp: 1431
Ion Ratio Lower Upper
106 100
91 230.7 105.5 316.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX026219.D

Acq: 03 Jan 2022 14:51

Instrument :

MSVOA_X

ClientSampleId :

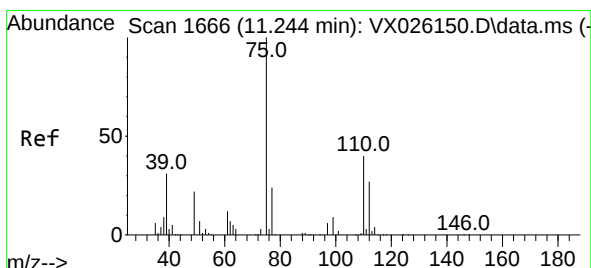
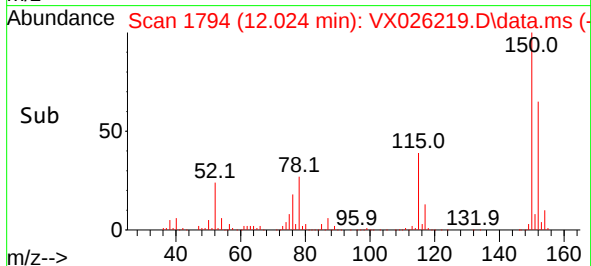
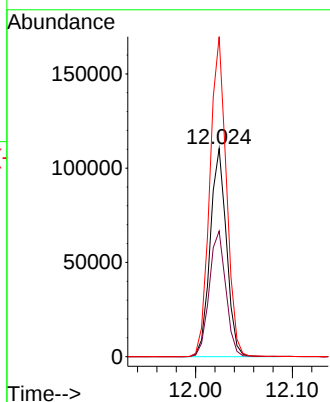
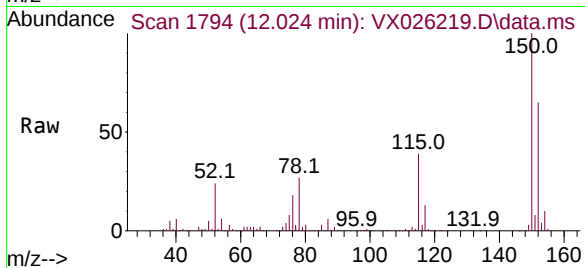
Tgt Ion:152 Resp: 129386

Ion Ratio Lower Upper

152 100

115 61.3 41.3 123.9

150 156.2 0.0 351.8



#76

1,2,3-Trichloropropane

Concen: 24.507 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX026219.D

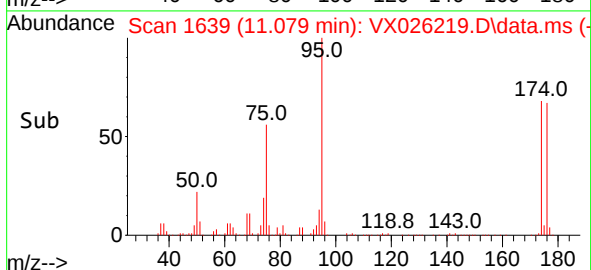
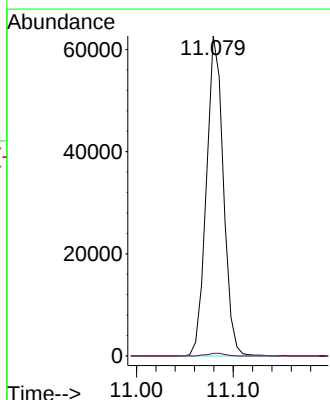
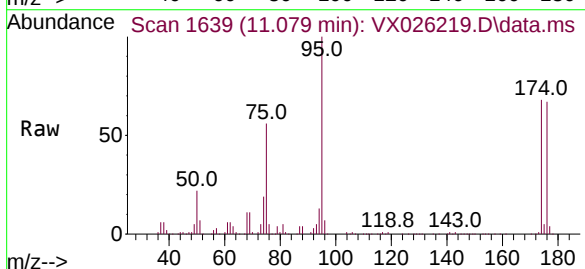
Acq: 03 Jan 2022 14:51

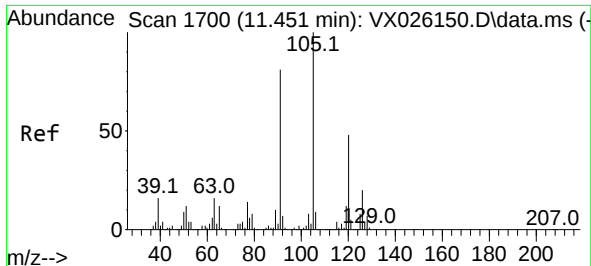
Tgt Ion: 75 Resp: 76537

Ion Ratio Lower Upper

75 100

77 0.9 19.0 57.0#

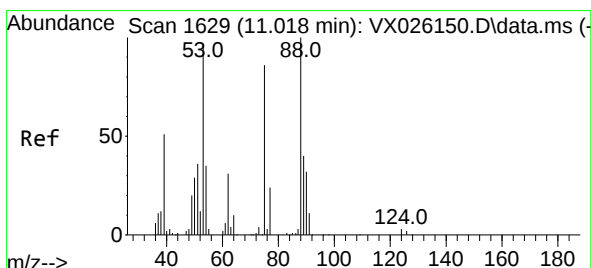
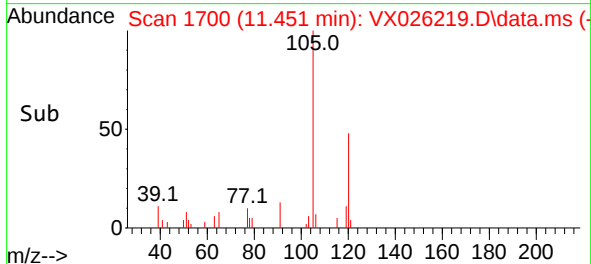
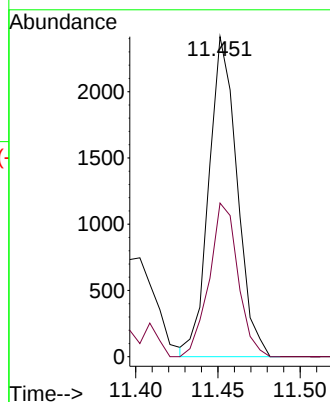
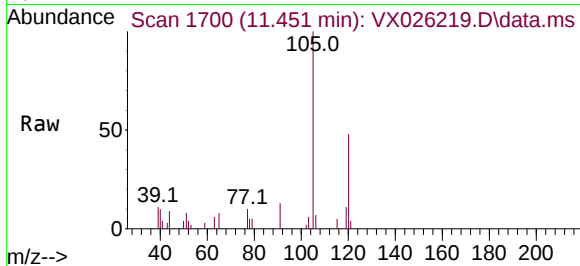




#80
1,3,5-Trimethylbenzene
Concen: 0.345 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026219.D
Acq: 03 Jan 2022 14:51

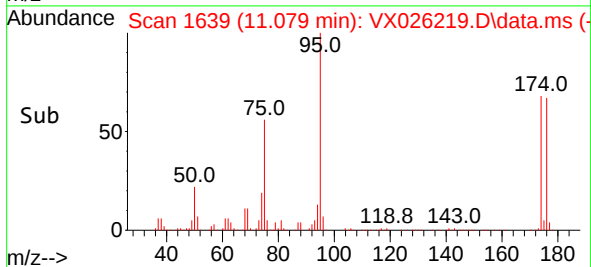
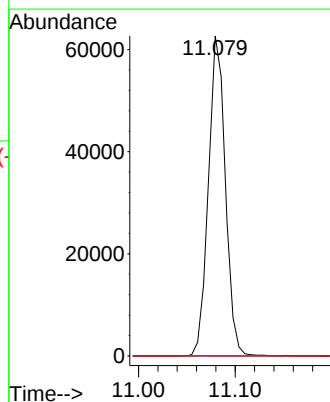
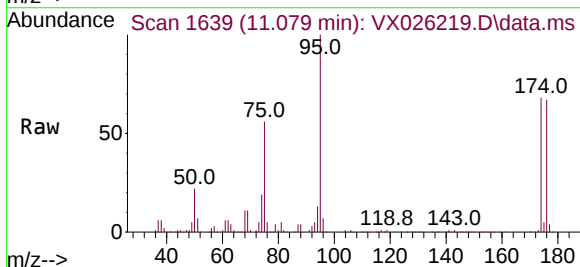
Instrument :
MSVOA_X
ClientSampleId :

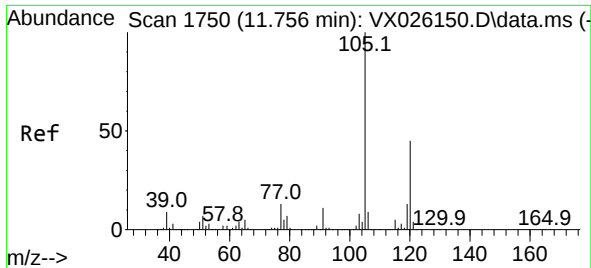
Tgt Ion:105 Resp: 2882
Ion Ratio Lower Upper
105 100
120 49.0 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 70.899 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026219.D
Acq: 03 Jan 2022 14:51

Tgt Ion: 75 Resp: 76537
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#

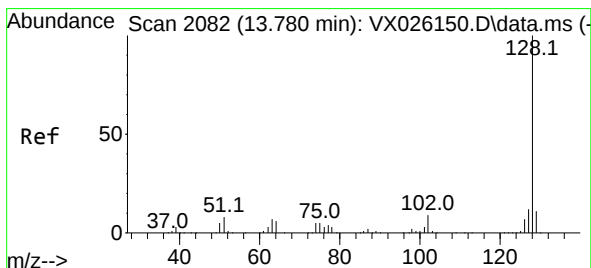
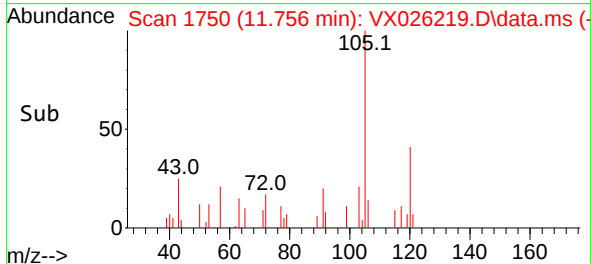
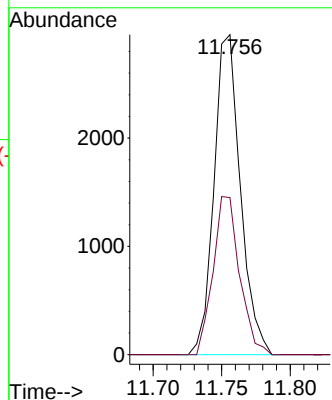
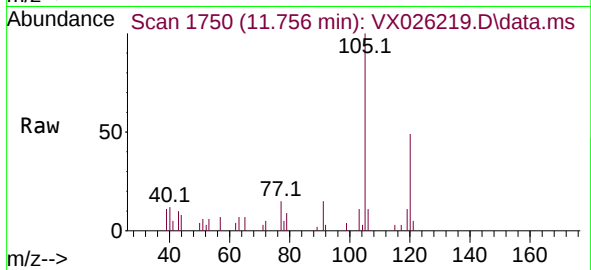




#84
1,2,4-Trimethylbenzene
Concen: 0.474 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026219.D
Acq: 03 Jan 2022 14:51

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:105 Resp: 3957
Ion Ratio Lower Upper
105 100
120 49.7 22.9 68.7



#95
Naphthalene
Concen: 1.902 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX026219.D
Acq: 03 Jan 2022 14:51

Tgt Ion:128 Resp: 19017
Ion Ratio Lower Upper
128 100
127 13.9 10.3 15.5
129 10.1 8.8 13.2

