

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020822\
 Data File : VX026843.D
 Acq On : 09 Feb 2022 00:06
 Operator : JC/MD
 Sample : PB142539TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

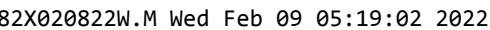
Quant Time: Feb 09 05:18:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

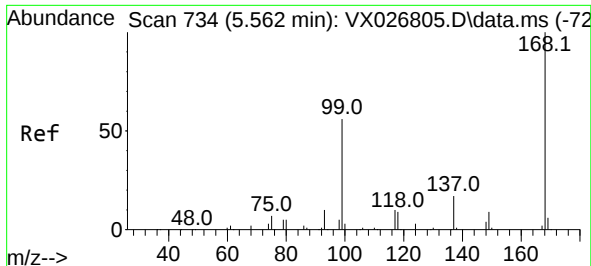
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	129847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	216220	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	192508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82128	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	81941	52.571	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.140%	
35) Dibromofluoromethane	5.391	113	66862	51.904	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.800%	
50) Toluene-d8	8.653	98	252837	53.470	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.940%	
62) 4-Bromofluorobenzene	11.079	95	91121	54.734	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 109.460%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	173	0.297	ug/l	83
6) Chloroethane	1.697	64	136	Below Cal	#	43
10) Methyl Iodide	2.465	142	557	2.543	ug/l #	85
11) Tert butyl alcohol	2.934	59	78	0.277	ug/l #	75
16) Acetone	2.386	43	5027	7.343	ug/l	91
17) Carbon Disulfide	2.520	76	825	0.219	ug/l	97
18) Methyl Acetate	2.709	43	692	0.351	ug/l	93
20) Methylene Chloride	2.794	84	1639	1.105	ug/l	97
25) 2-Butanone	4.574	43	1036	0.939	ug/l	91
31) Cyclohexane	5.556	56	2706	1.093	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	10067	4.954	ug/l #	50
38) Carbon Tetrachloride	5.556	117	13279	6.231	ug/l #	16
43) Isopropyl Acetate	6.348	43	12169	3.425	ug/l	99
48) Methyl methacrylate	7.598	41	3465	1.968	ug/l #	16
49) 1,4-Dioxane	7.793	88	91	2.999	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	44929	20.865	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	21013	9.583	ug/l #	56
57) 1,3-Dichloropropane	9.482	76	12169	4.992	ug/l #	43
59) 2-Hexanone	9.482	43	171270	108.740	ug/l #	51
68) m/p-Xylenes	10.305	106	677	0.250	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	45716	25.429	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.451	105	2453	0.461	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	45716	77.505	ug/l #	3
93) 1,2,4-Trichlorobenzene	13.591	180	361	0.210	ug/l #	70
94) Hexachlorobutadiene	13.725	225	176	0.243	ug/l	85

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

Quant Time: Feb 09 05:18:54 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 08 07:07:46 2022
Response via : Initial Calibration

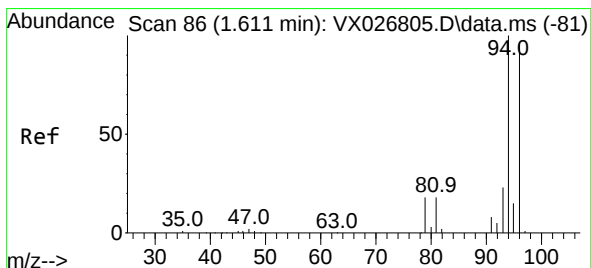
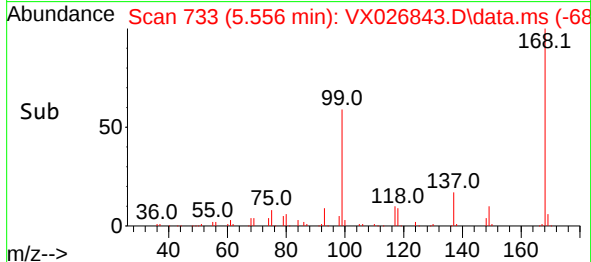
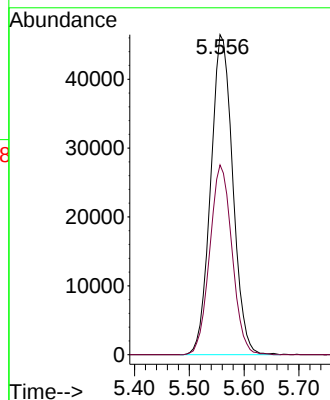
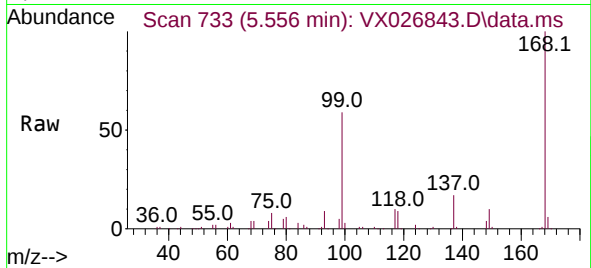




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX026843.D
Acq: 09 Feb 2022 00:06

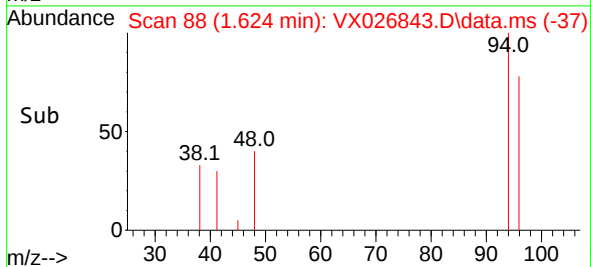
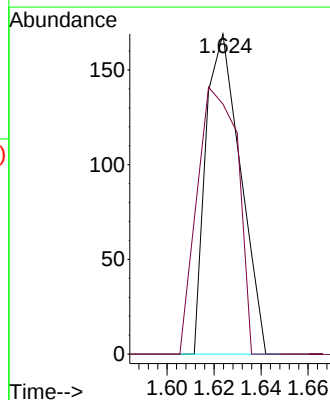
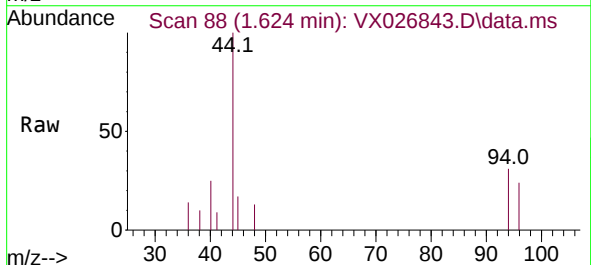
Instrument :
MSVOA_X
ClientSampleId :

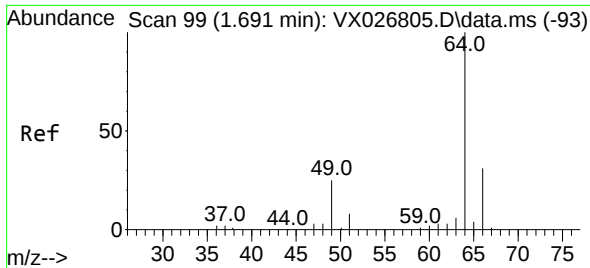
Tgt Ion:168 Resp: 129847
Ion Ratio Lower Upper
168 100
99 59.3 50.3 75.5



#5
Bromomethane
Concen: 0.297 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.012 min
Lab File: VX026843.D
Acq: 09 Feb 2022 00:06

Tgt Ion: 94 Resp: 173
Ion Ratio Lower Upper
94 100
96 78.1 75.9 113.9

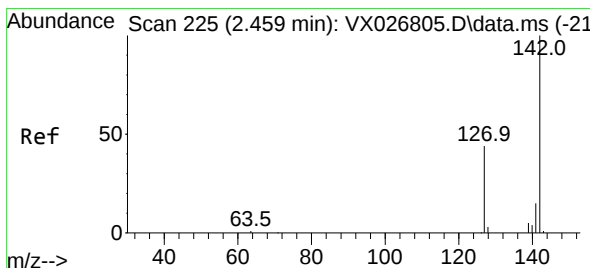
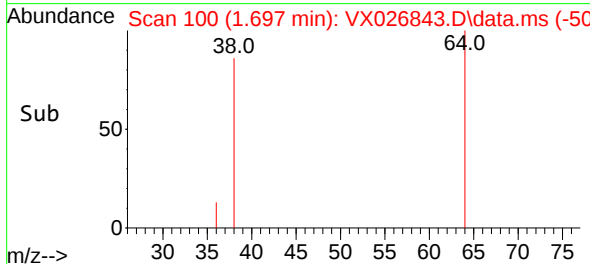
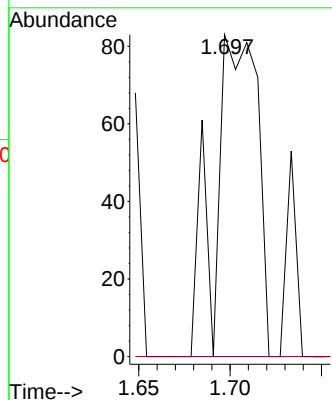
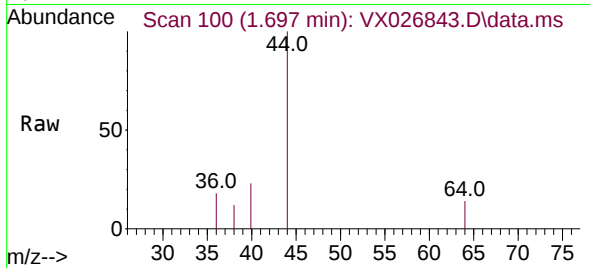




#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX026843.D
Acq: 09 Feb 2022 00:06

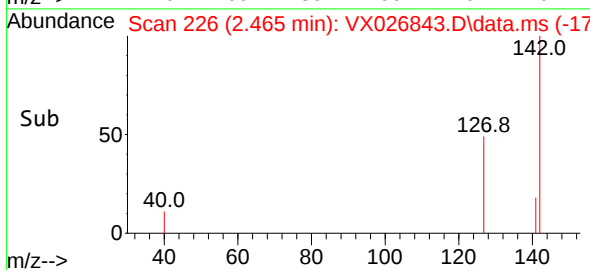
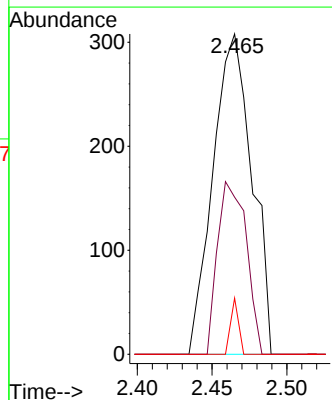
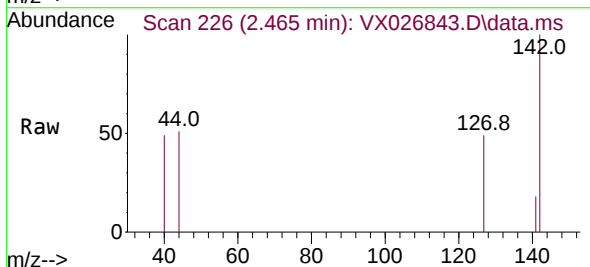
Instrument :
MSVOA_X
ClientSampleId :

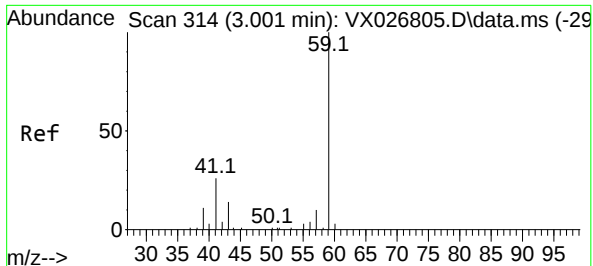
Tgt Ion: 64 Resp: 136
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#10
Methyl Iodide
Concen: 2.543 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX026843.D
Acq: 09 Feb 2022 00:06

Tgt Ion: 142 Resp: 557
Ion Ratio Lower Upper
142 100
127 39.7 38.1 57.1
141 3.6 11.2 16.8#

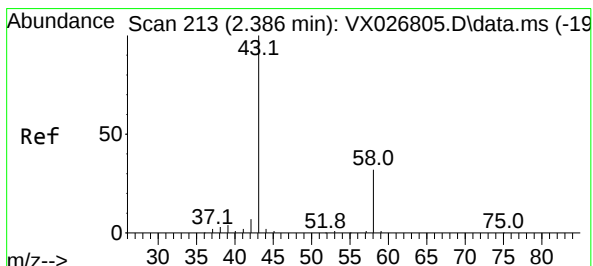
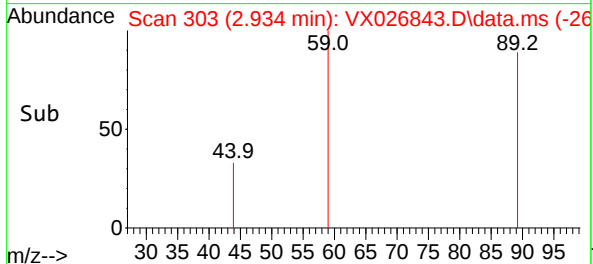
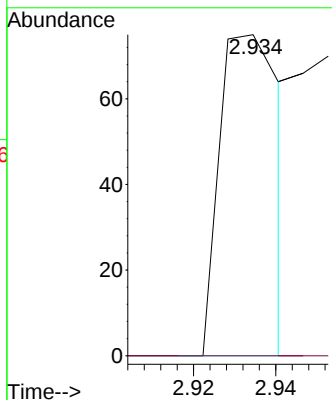
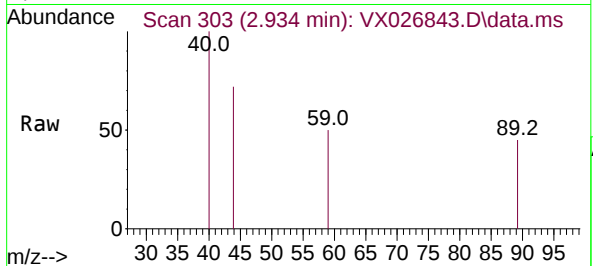




#11
Tert butyl alcohol
Concen: 0.277 ug/l
RT: 2.934 min Scan# 30
Delta R.T. -0.067 min
Lab File: VX026843.D
Acq: 09 Feb 2022 00:06

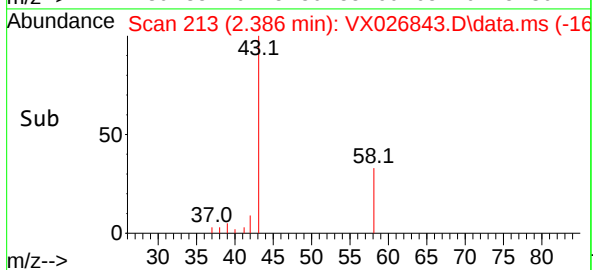
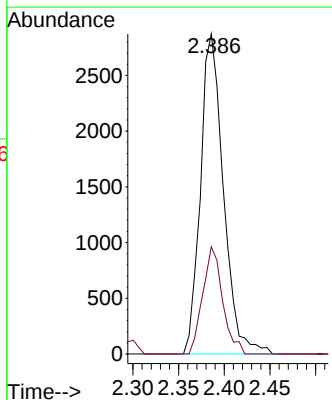
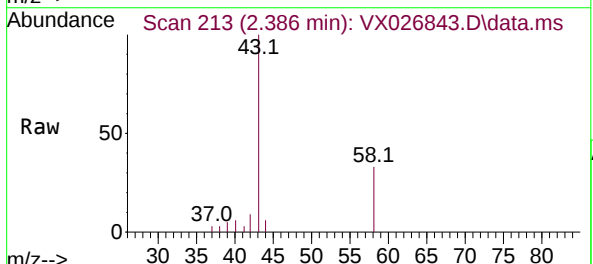
Instrument :
MSVOA_X
ClientSampleId :

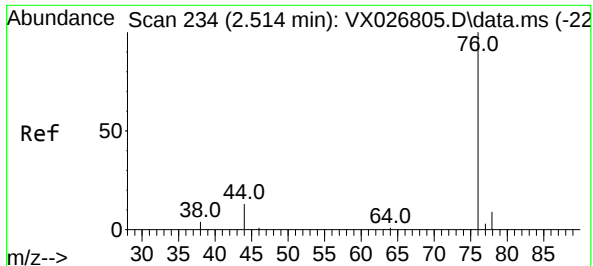
Tgt Ion: 59 Resp: 78
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#



#16
Acetone
Concen: 7.343 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX026843.D
Acq: 09 Feb 2022 00:06

Tgt Ion: 43 Resp: 5027
Ion Ratio Lower Upper
43 100
58 33.5 23.0 34.6

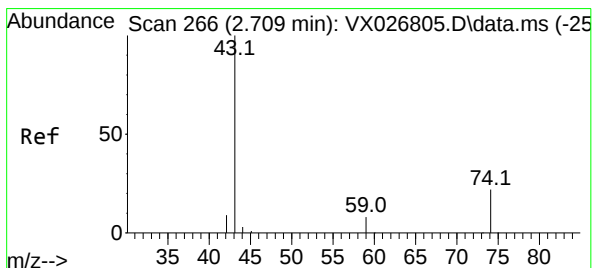
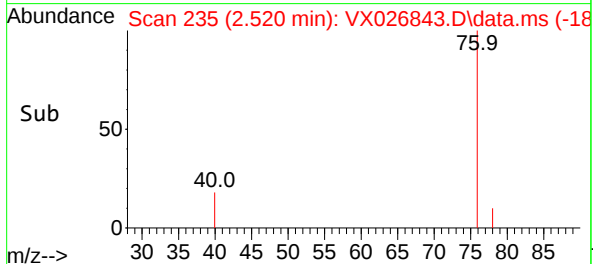
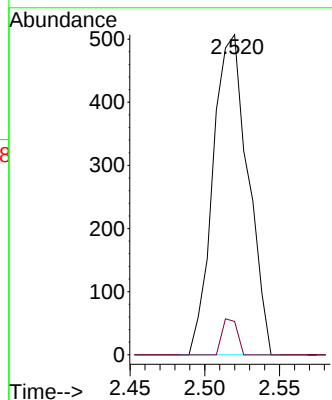
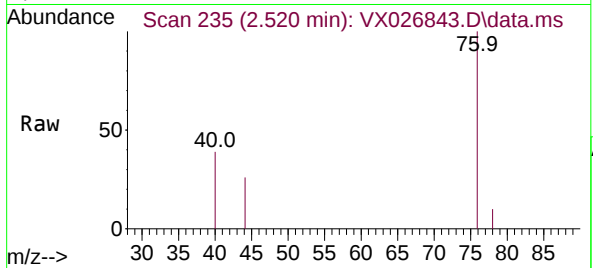




#17
Carbon Disulfide
Concen: 0.219 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX026843.D
Acq: 09 Feb 2022 00:06

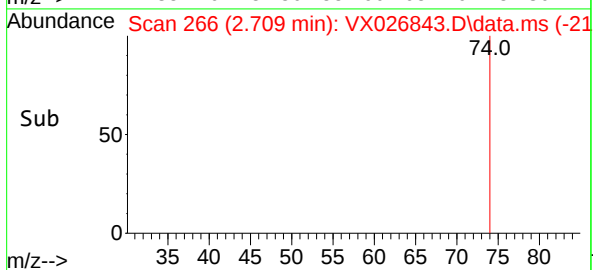
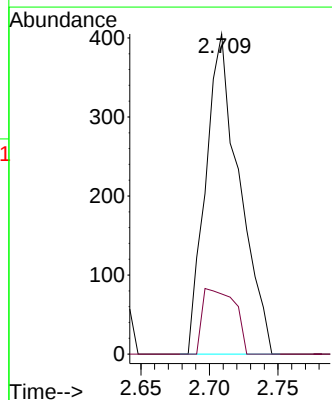
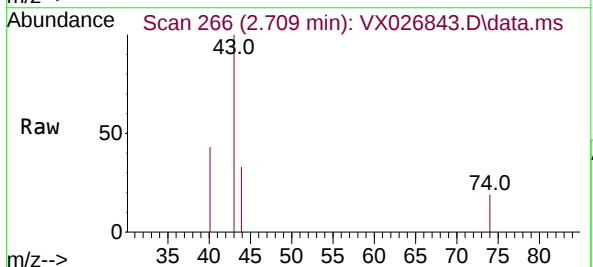
Instrument :
MSVOA_X
ClientSampleId :

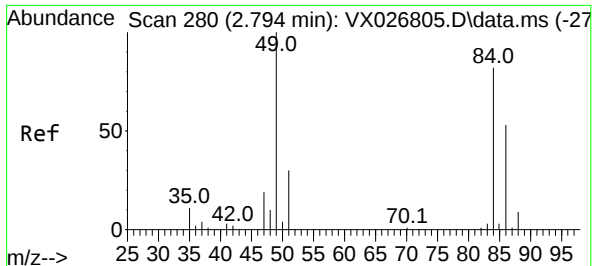
Tgt Ion: 76 Resp: 825
Ion Ratio Lower Upper
76 100
78 10.5 7.5 11.3



#18
Methyl Acetate
Concen: 0.351 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX026843.D
Acq: 09 Feb 2022 00:06

Tgt Ion: 43 Resp: 692
Ion Ratio Lower Upper
43 100
74 19.7 18.3 27.5





#20

Methylene Chloride

Concen: 1.105 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX026843.D

Acq: 09 Feb 2022 00:06

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 84 Resp: 1639

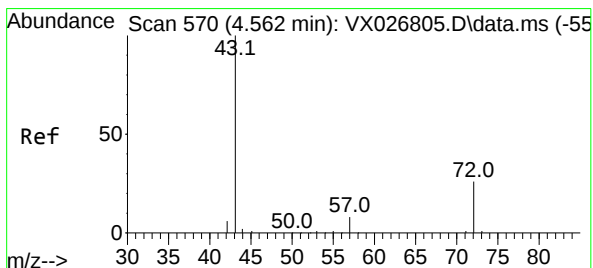
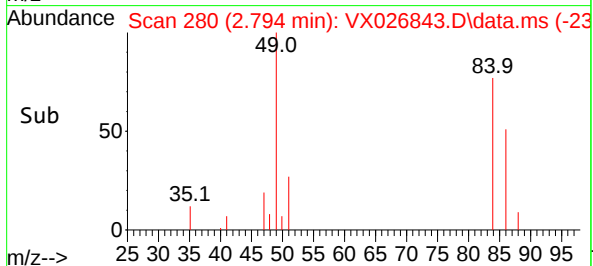
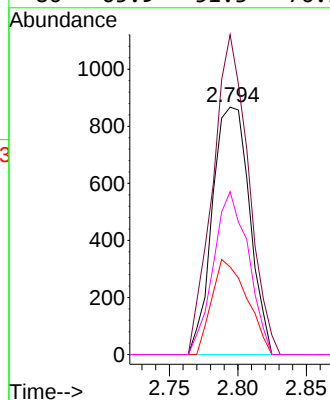
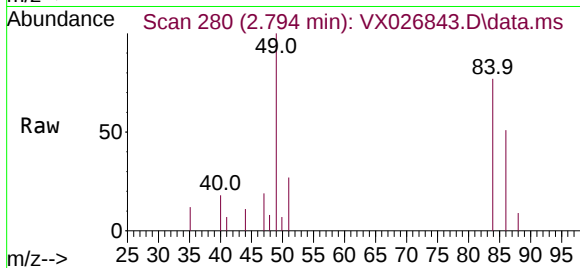
Ion Ratio Lower Upper

84 100

49 129.3 101.5 152.3

51 35.4 31.2 46.8

86 65.9 51.3 76.9



#25

2-Butanone

Concen: 0.939 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.012 min

Lab File: VX026843.D

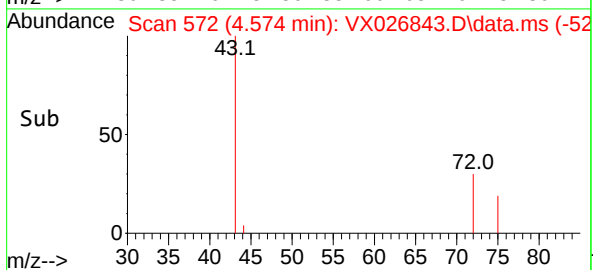
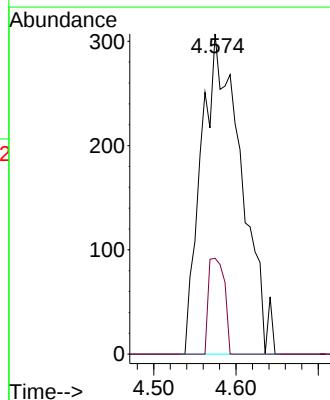
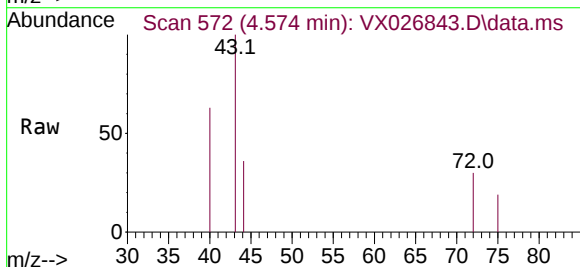
Acq: 09 Feb 2022 00:06

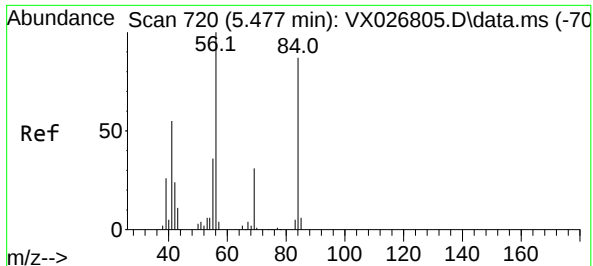
Tgt Ion: 43 Resp: 1036

Ion Ratio Lower Upper

43 100

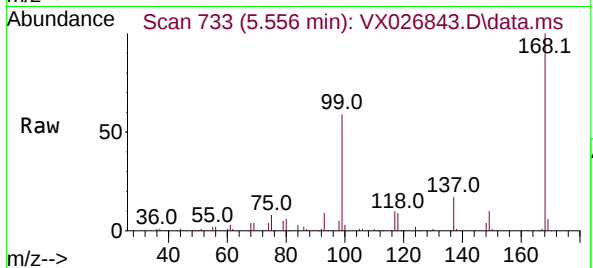
72 30.0 20.4 30.6



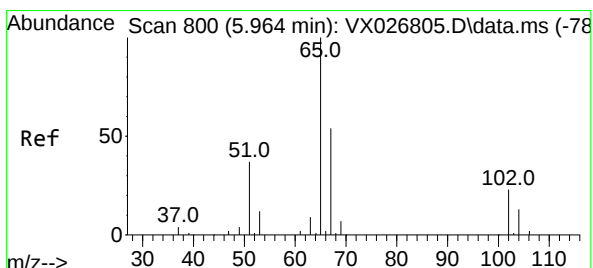
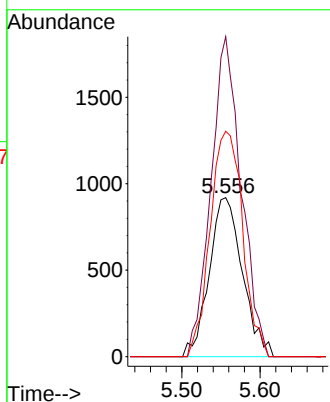
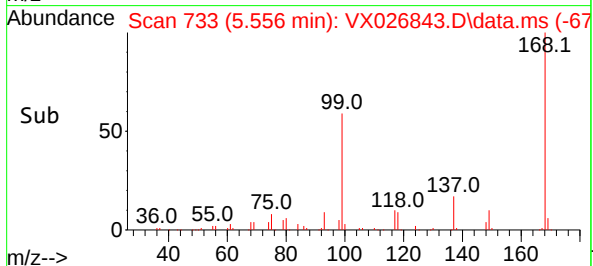


#31
Cyclohexane
Concen: 1.093 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX026843.D
Acq: 09 Feb 2022 00:06

Instrument :
MSVOA_X
ClientSampleId :

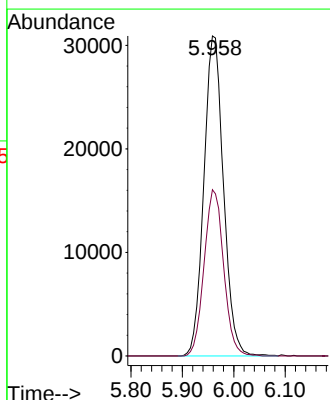
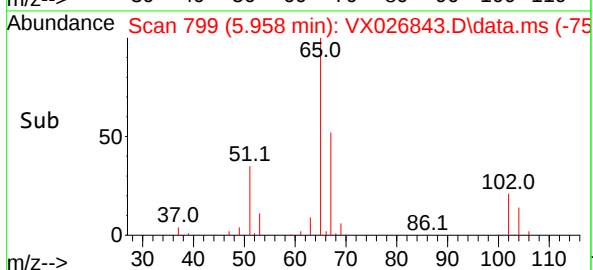
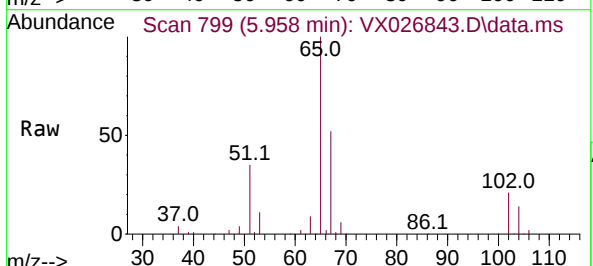


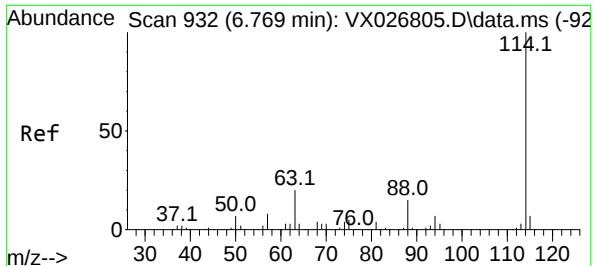
Tgt Ion: 56 Resp: 2706
Ion Ratio Lower Upper
56 100
69 201.2 25.8 38.6#
84 141.7 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 52.571 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX026843.D
Acq: 09 Feb 2022 00:06

Tgt Ion: 65 Resp: 81941
Ion Ratio Lower Upper
65 100
67 51.8 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX026843.D

Acq: 09 Feb 2022 00:06

Instrument :

MSVOA_X

ClientSampleId :

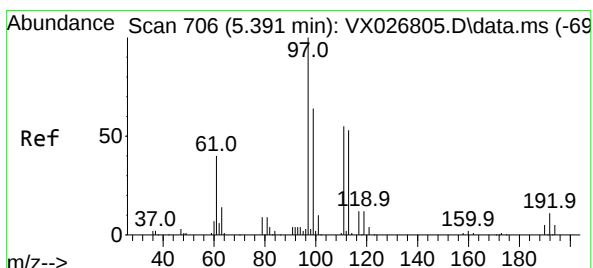
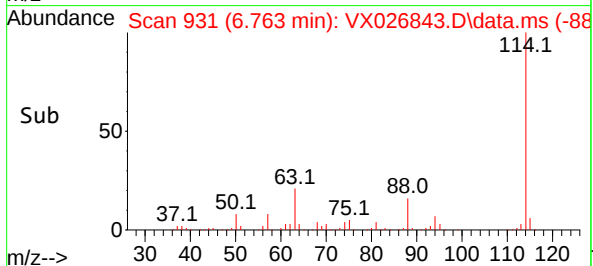
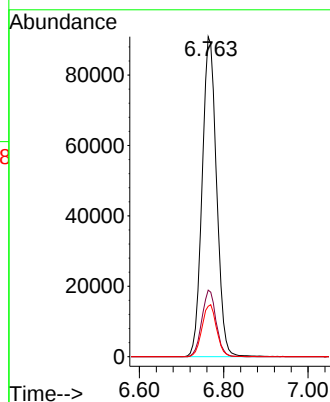
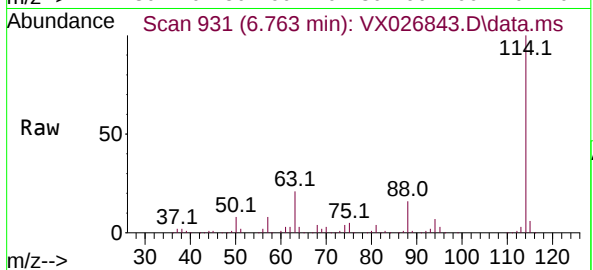
Tgt Ion:114 Resp: 216220

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.8

88 15.7 0.0 33.0



#35

Dibromofluoromethane

Concen: 51.904 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX026843.D

Acq: 09 Feb 2022 00:06

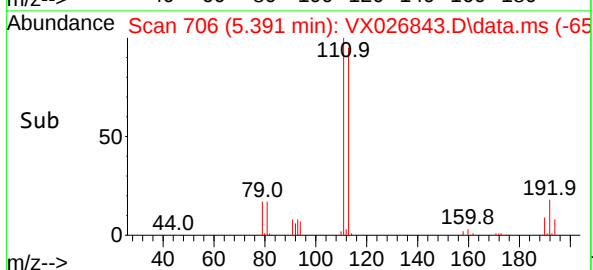
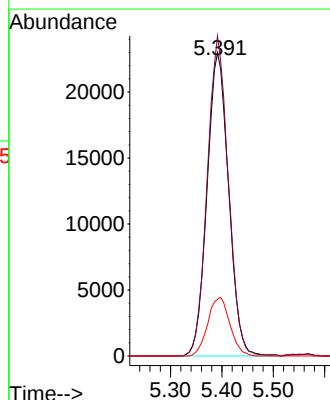
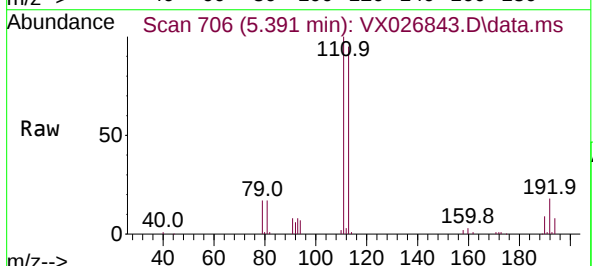
Tgt Ion:113 Resp: 66862

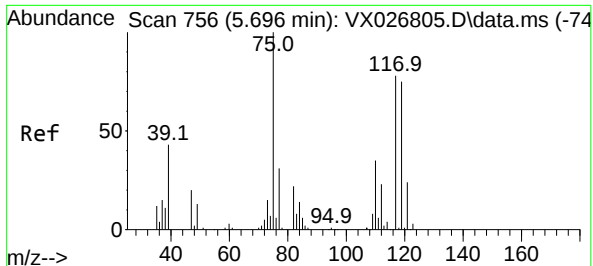
Ion Ratio Lower Upper

113 100

111 103.3 81.2 121.8

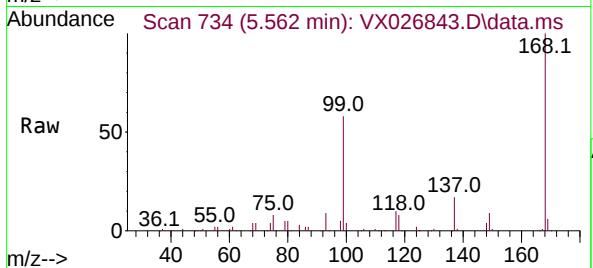
192 19.8 15.0 22.4



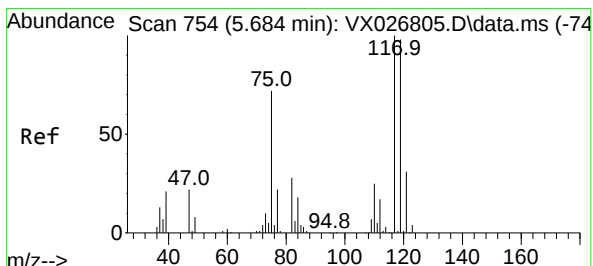
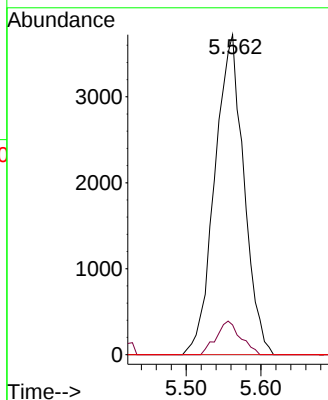
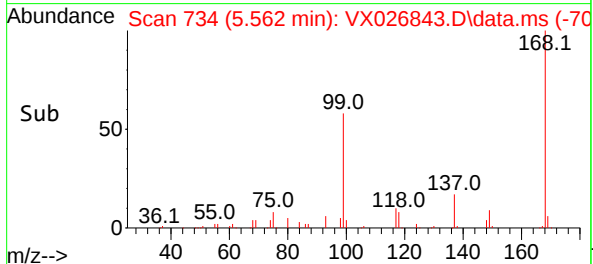


#36
1,1-Dichloropropene
Concen: 4.954 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX026843.D
Acq: 09 Feb 2022 00:06

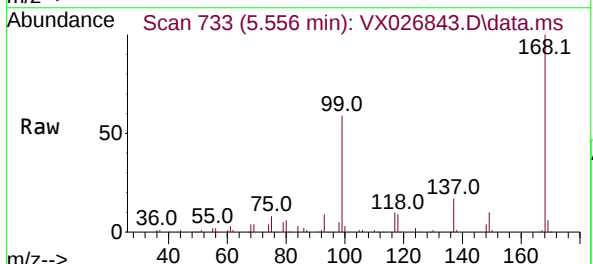
Instrument :
MSVOA_X
ClientSampleId :



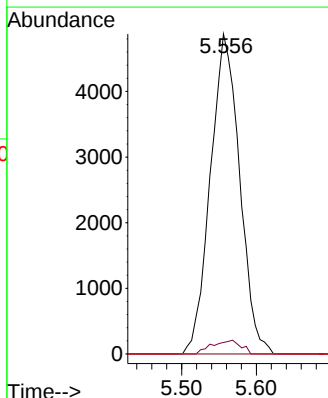
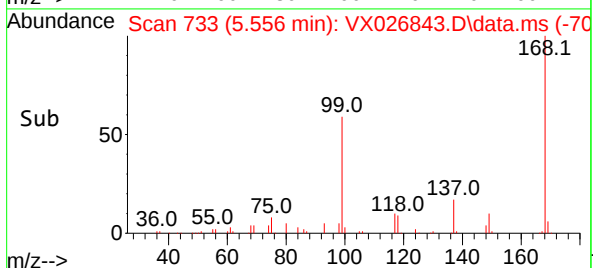
Tgt Ion: 75 Resp: 10067
Ion Ratio Lower Upper
75 100
110 8.8 17.2 51.6#
77 0.0 24.6 36.8#

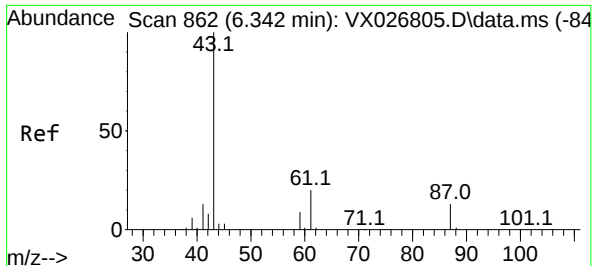


#38
Carbon Tetrachloride
Concen: 6.231 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX026843.D
Acq: 09 Feb 2022 00:06



Tgt Ion: 117 Resp: 13279
Ion Ratio Lower Upper
117 100
119 3.6 74.7 112.1#
121 0.0 25.4 38.0#

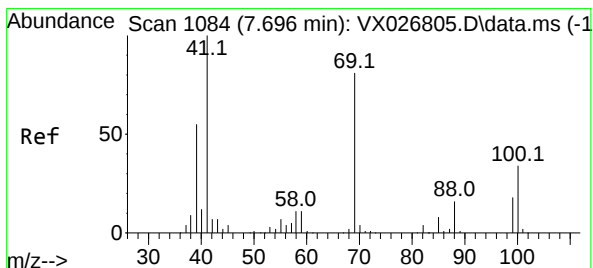
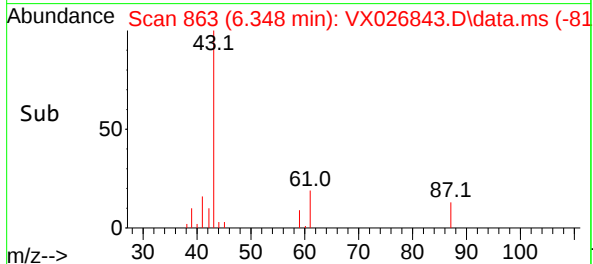
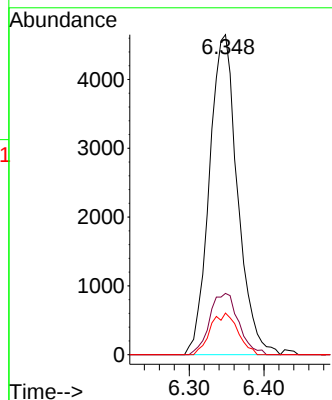
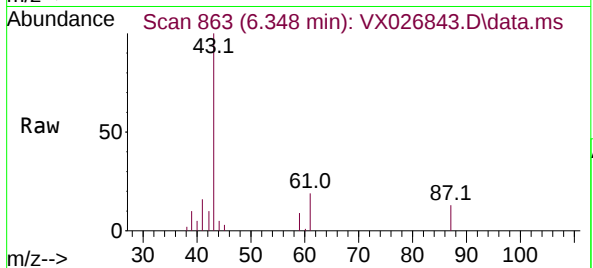




#43
Isopropyl Acetate
Concen: 3.425 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX026843.D
Acq: 09 Feb 2022 00:06

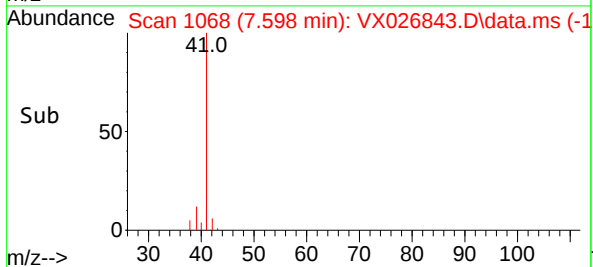
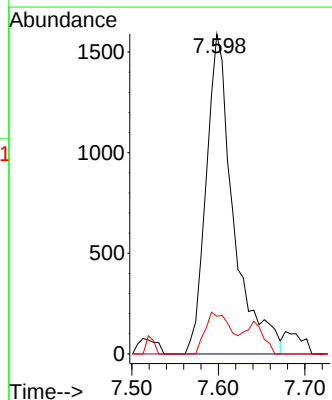
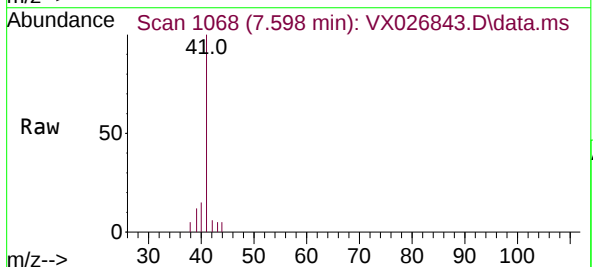
Instrument :
MSVOA_X
ClientSampleId :

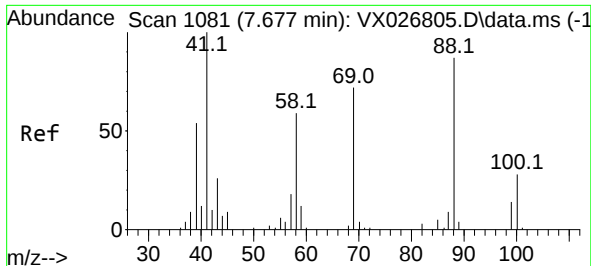
Tgt Ion: 43 Resp: 12169
Ion Ratio Lower Upper
43 100
61 19.7 15.4 23.0
87 12.7 10.2 15.2



#48
Methyl methacrylate
Concen: 1.968 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.097 min
Lab File: VX026843.D
Acq: 09 Feb 2022 00:06

Tgt Ion: 41 Resp: 3465
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.4#
39 0.0 45.4 68.0#





#49

1,4-Dioxane

Concen: 2.999 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.116 min

Lab File: VX026843.D

Acq: 09 Feb 2022 00:06

Instrument :

MSVOA_X

ClientSampleId :

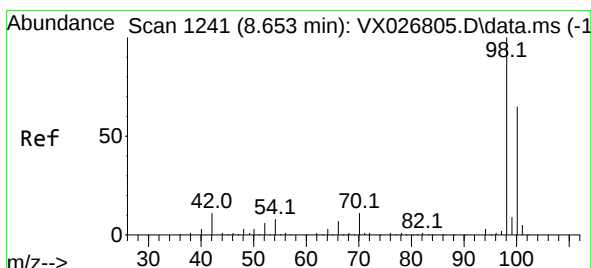
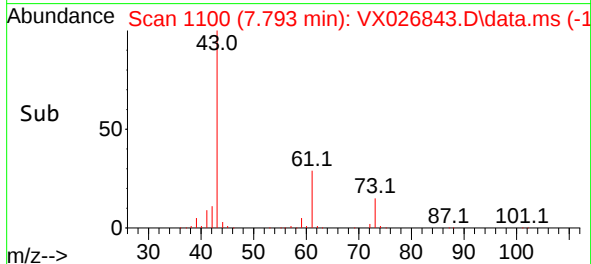
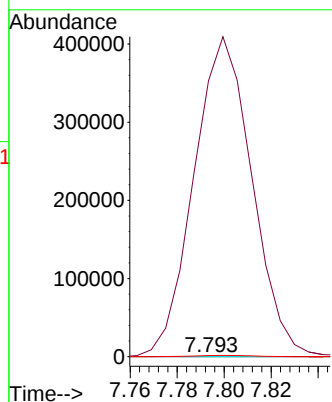
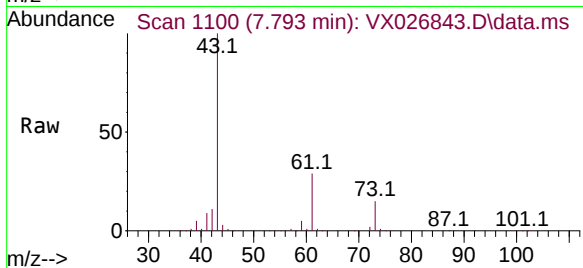
Tgt Ion: 88 Resp: 91

Ion Ratio Lower Upper

88 100

43 779697.8 29.9 44.9#

58 3086.8 57.8 86.6#



#50

Toluene-d8

Concen: 53.470 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX026843.D

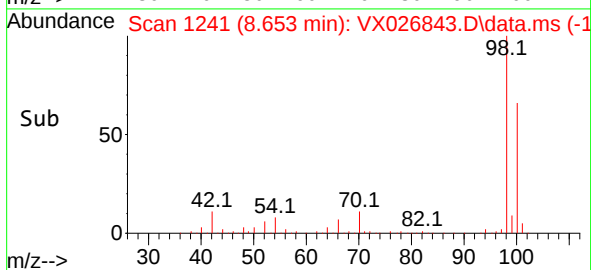
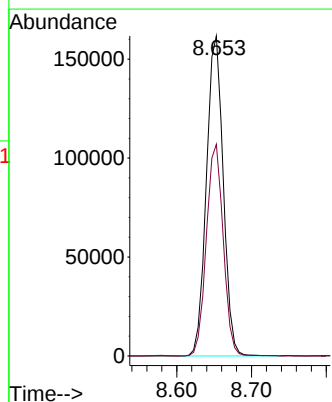
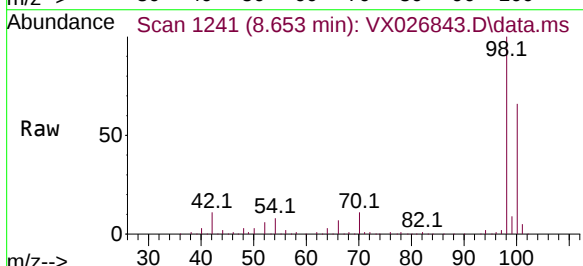
Acq: 09 Feb 2022 00:06

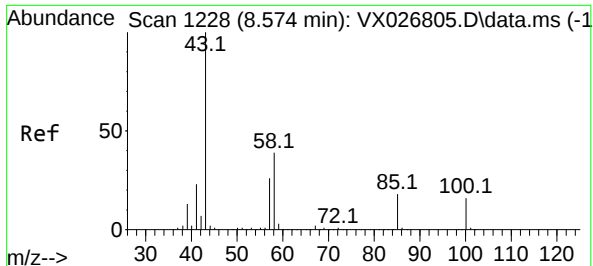
Tgt Ion: 98 Resp: 252837

Ion Ratio Lower Upper

98 100

100 66.3 53.2 79.8

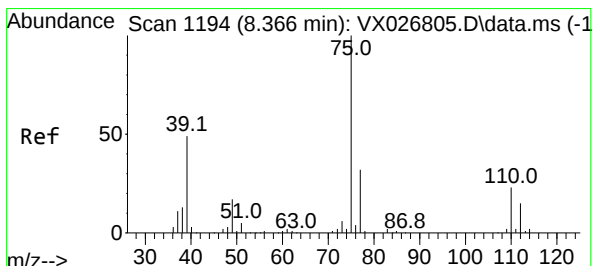
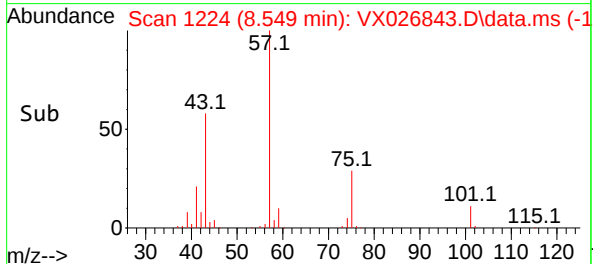
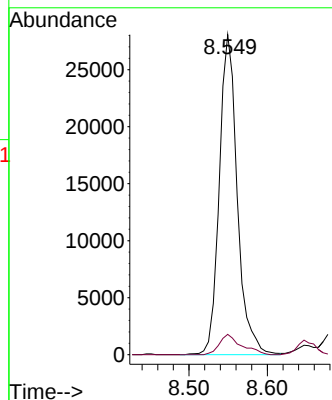
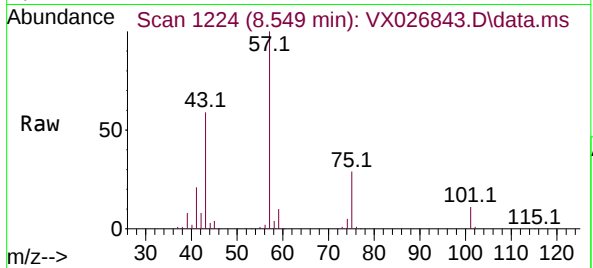




#51
4-Methyl-2-Pentanone
Concen: 20.865 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX026843.D
Acq: 09 Feb 2022 00:06

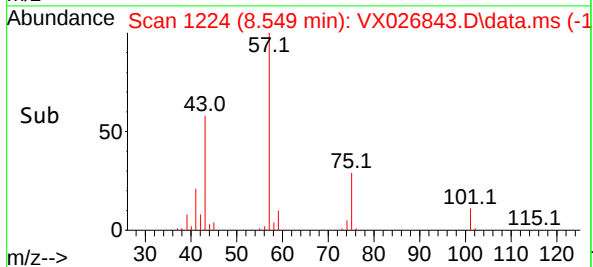
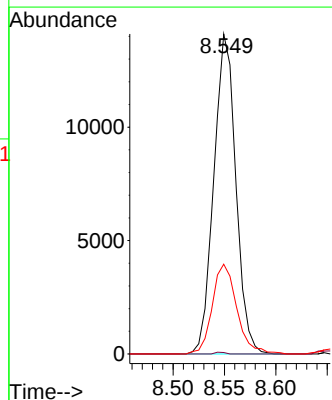
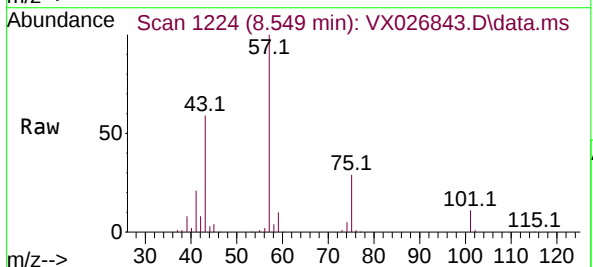
Instrument :
MSVOA_X
ClientSampleId :

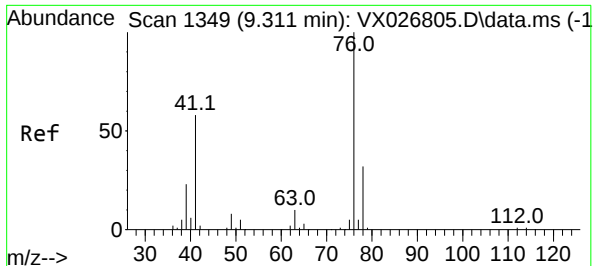
Tgt Ion: 43 Resp: 44929
Ion Ratio Lower Upper
43 100
58 7.7 30.5 45.7#



#54
cis-1,3-Dichloropropene
Concen: 9.583 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX026843.D
Acq: 09 Feb 2022 00:06

Tgt Ion: 75 Resp: 21013
Ion Ratio Lower Upper
75 100
77 0.5 26.2 39.2#
39 28.0 43.5 65.3#





#57

1,3-Dichloropropane

Concen: 4.992 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX026843.D

Acq: 09 Feb 2022 00:06

Instrument :

MSVOA_X

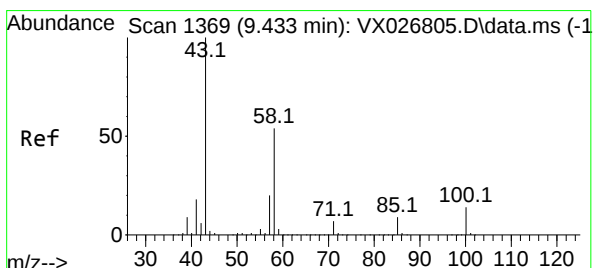
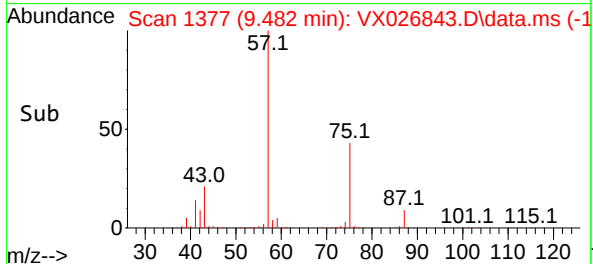
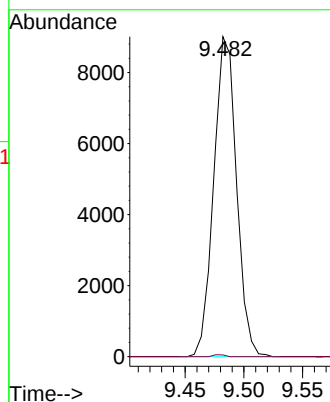
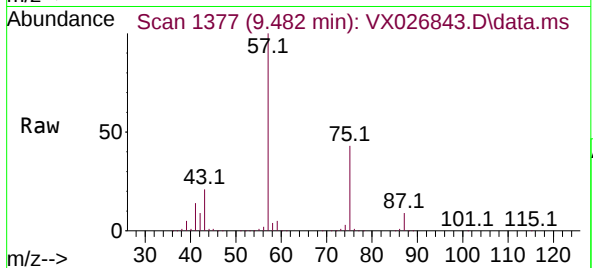
ClientSampleId :

Tgt Ion: 76 Resp: 12169

Ion Ratio Lower Upper

76 100

78 0.3 25.7 38.5#



#59

2-Hexanone

Concen: 108.740 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX026843.D

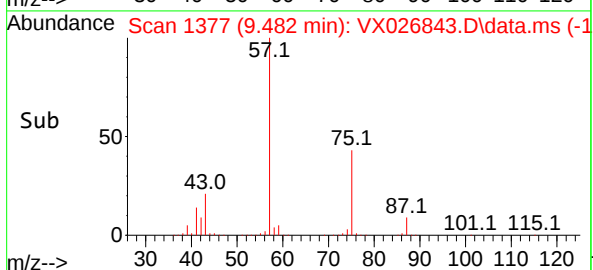
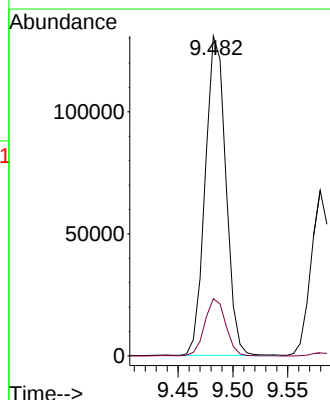
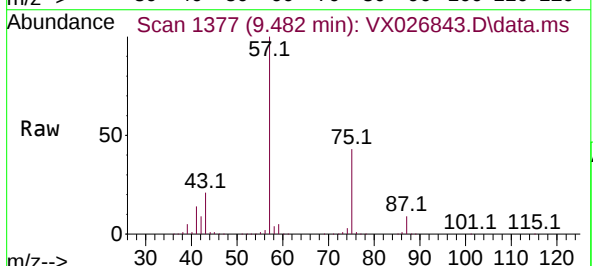
Acq: 09 Feb 2022 00:06

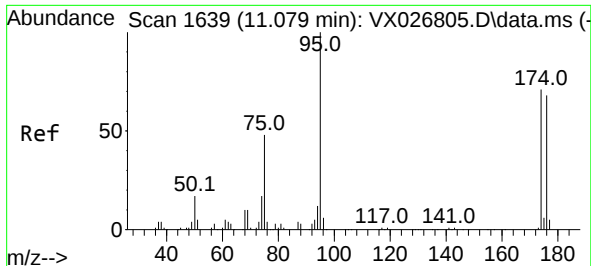
Tgt Ion: 43 Resp: 171270

Ion Ratio Lower Upper

43 100

58 18.4 26.4 79.2#

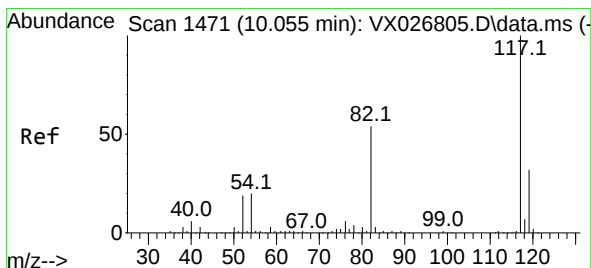
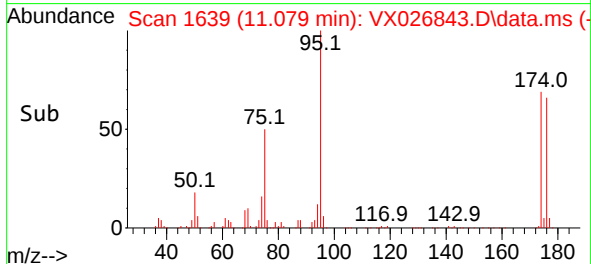
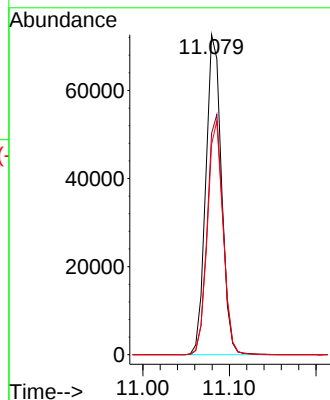
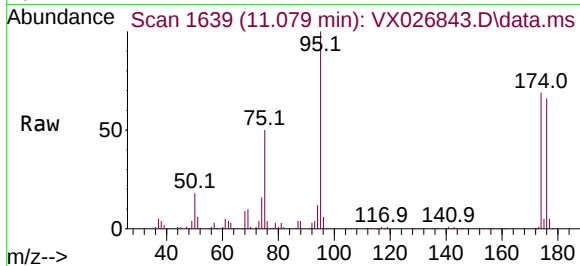




#62
4-Bromofluorobenzene
Concen: 54.734 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX026843.D
Acq: 09 Feb 2022 00:06

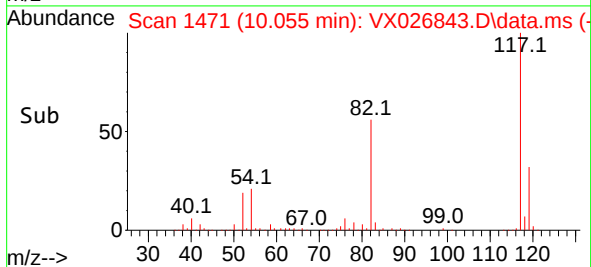
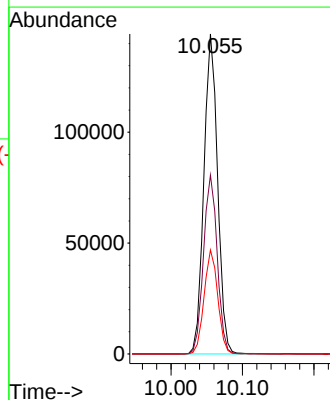
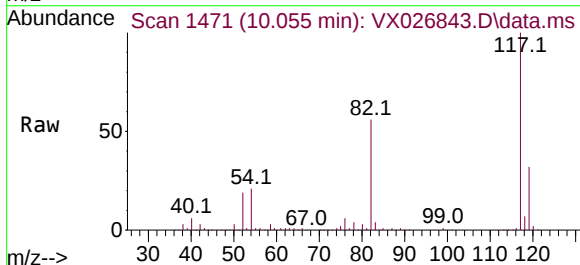
Instrument :
MSVOA_X
ClientSampleId :

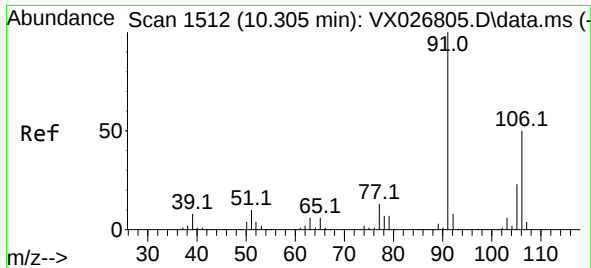
Tgt Ion: 95 Resp: 91121
Ion Ratio Lower Upper
95 100
174 75.4 0.0 148.6
176 73.0 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026843.D
Acq: 09 Feb 2022 00:06

Tgt Ion: 117 Resp: 192508
Ion Ratio Lower Upper
117 100
82 55.9 45.2 67.8
119 32.5 26.2 39.2

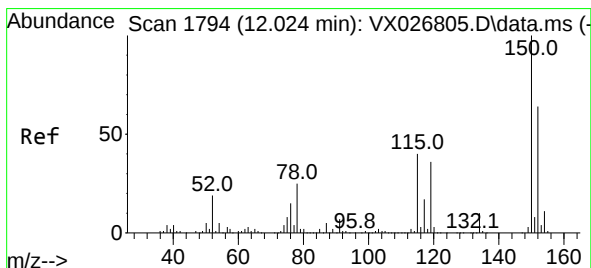
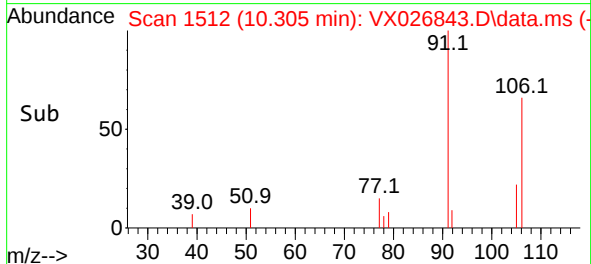
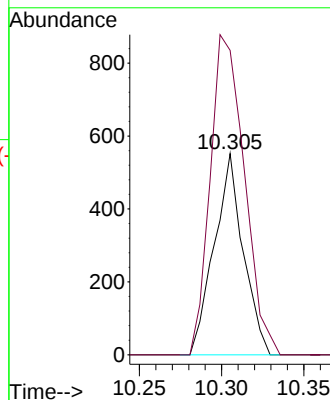
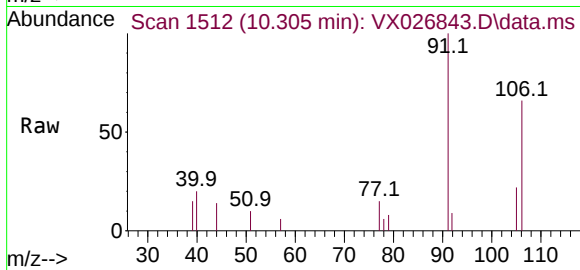




#68
m/p-Xylenes
Concen: 0.250 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026843.D
Acq: 09 Feb 2022 00:06

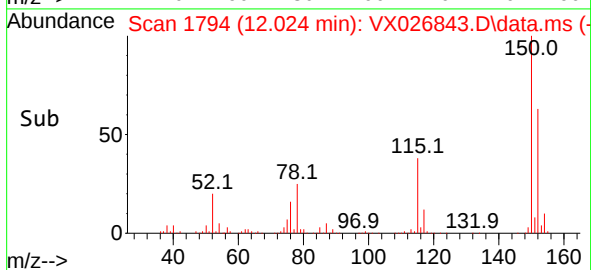
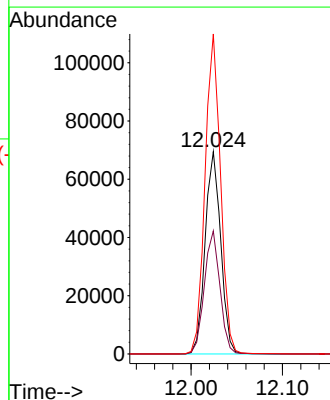
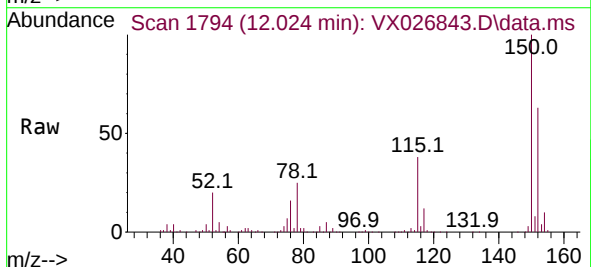
Instrument :
MSVOA_X
ClientSampleId :

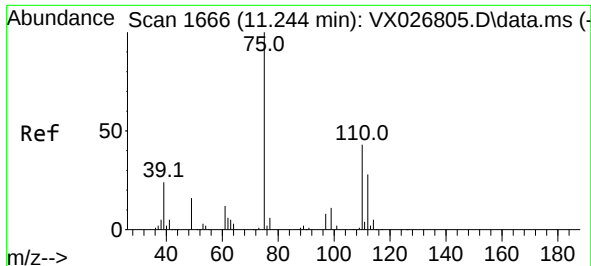
Tgt Ion:106 Resp: 677
Ion Ratio Lower Upper
106 100
91 187.0 165.3 247.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026843.D
Acq: 09 Feb 2022 00:06

Tgt Ion:152 Resp: 82128
Ion Ratio Lower Upper
152 100
115 60.8 44.2 132.6
150 157.0 0.0 348.2

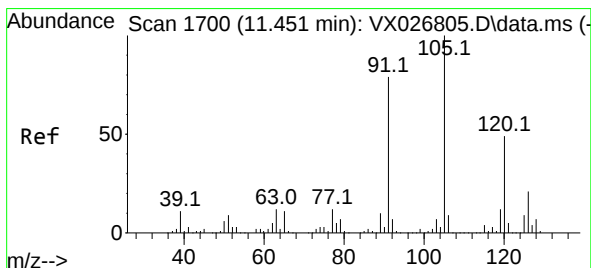
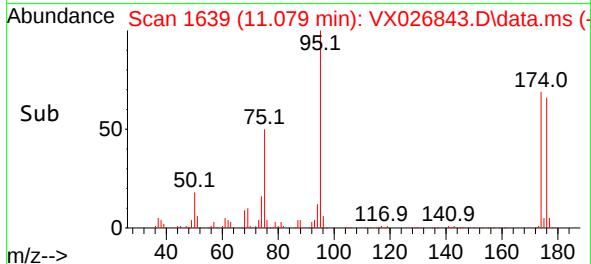
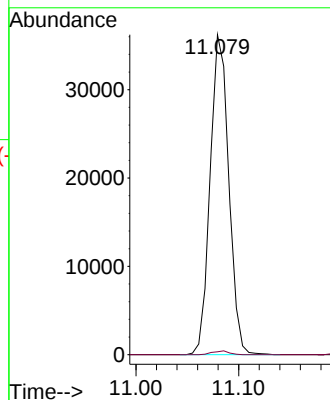
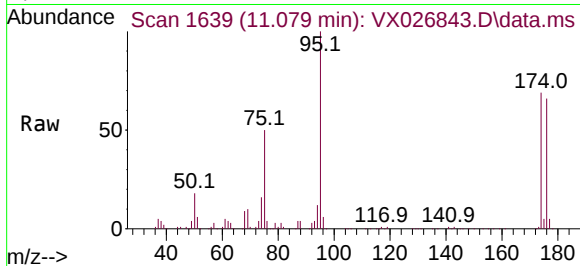




#76
1,2,3-Trichloropropane
Concen: 25.429 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.164 min
Lab File: VX026843.D
Acq: 09 Feb 2022 00:06

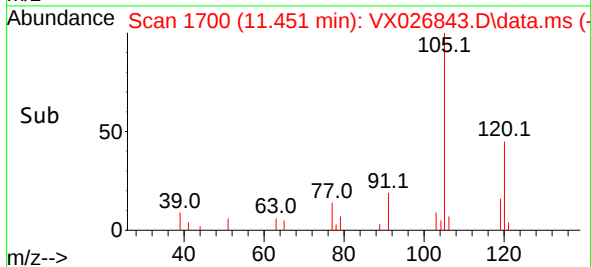
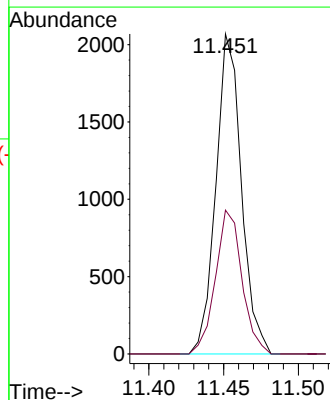
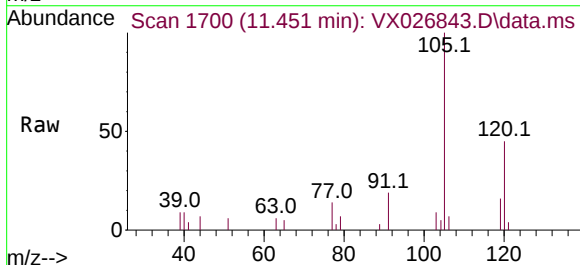
Instrument :
MSVOA_X
ClientSampleId :

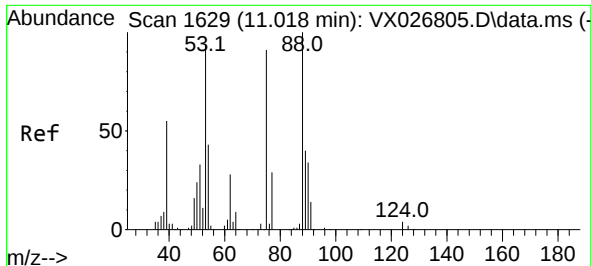
Tgt Ion: 75 Resp: 45716
Ion Ratio Lower Upper
75 100
77 1.0 18.3 54.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.461 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX026843.D
Acq: 09 Feb 2022 00:06

Tgt Ion: 105 Resp: 2453
Ion Ratio Lower Upper
105 100
120 46.8 24.0 72.0

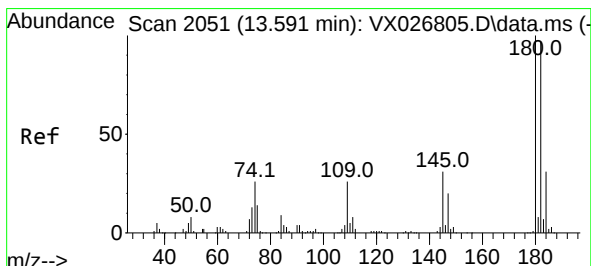
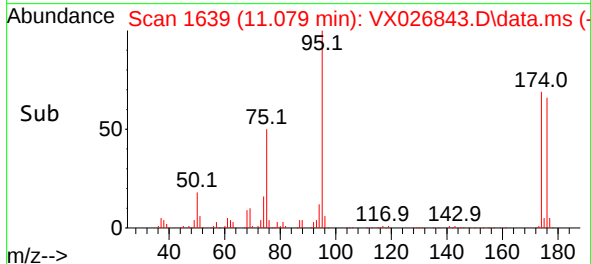
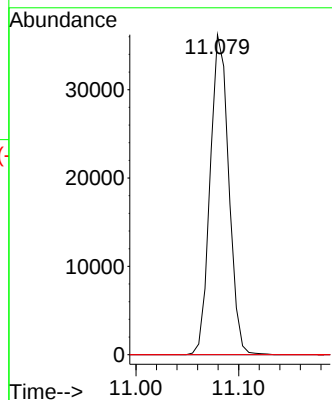
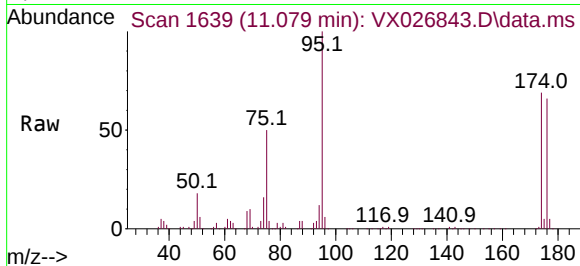




#81
trans-1,4-Dichloro-2-butene
Concen: 77.505 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX026843.D
Acq: 09 Feb 2022 00:06

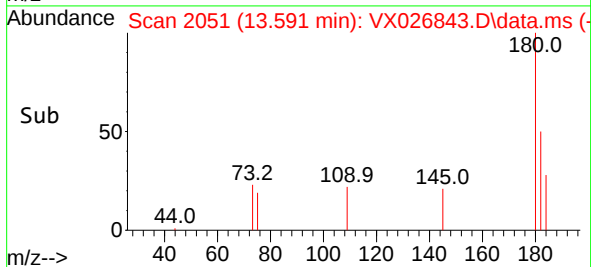
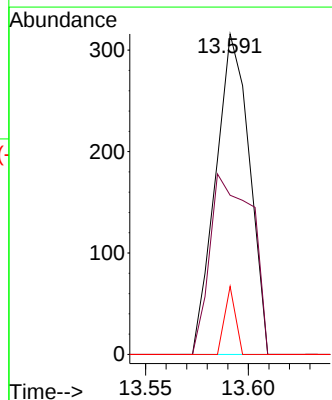
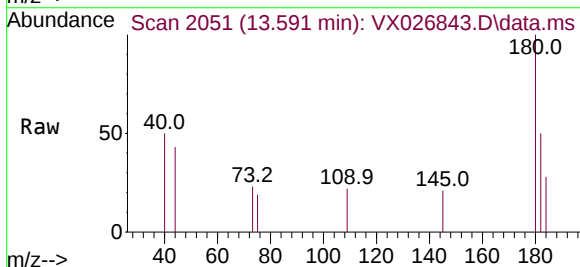
Instrument :
MSVOA_X
ClientSampleId :

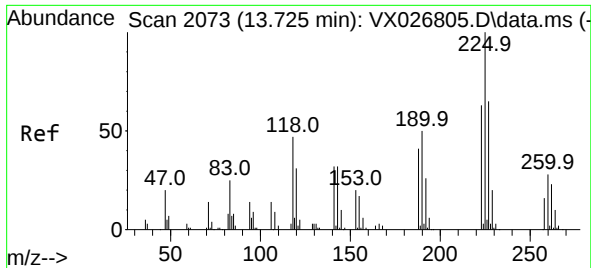
Tgt Ion: 75 Resp: 45716
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#



#93
1,2,4-Trichlorobenzene
Concen: 0.210 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX026843.D
Acq: 09 Feb 2022 00:06

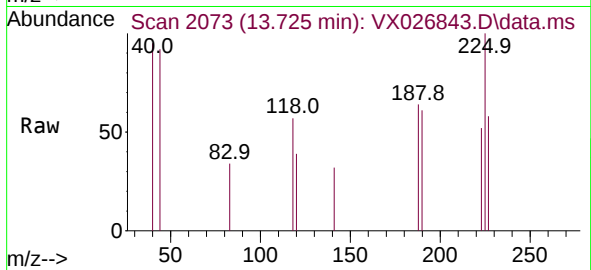
Tgt Ion:180 Resp: 361
Ion Ratio Lower Upper
180 100
182 69.8 46.7 140.0
145 6.9 16.3 48.8#





#94
 Hexachlorobutadiene
 Concen: 0.243 ug/l
 RT: 13.725 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VX026843.D
 Acq: 09 Feb 2022 00:06

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	225	Resp:	176
Ion	Ratio	Lower	Upper
225	100		
223	70.5	32.0	96.0
227	48.3	32.3	96.9

