

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100422\
 Data File : VX031875.D
 Acq On : 04 Oct 2022 17:29
 Operator : JC/MD
 Sample : N4971-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-100322

Quant Time: Oct 05 06:26:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 06:59:30 2022
 Response via : Initial Calibration

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

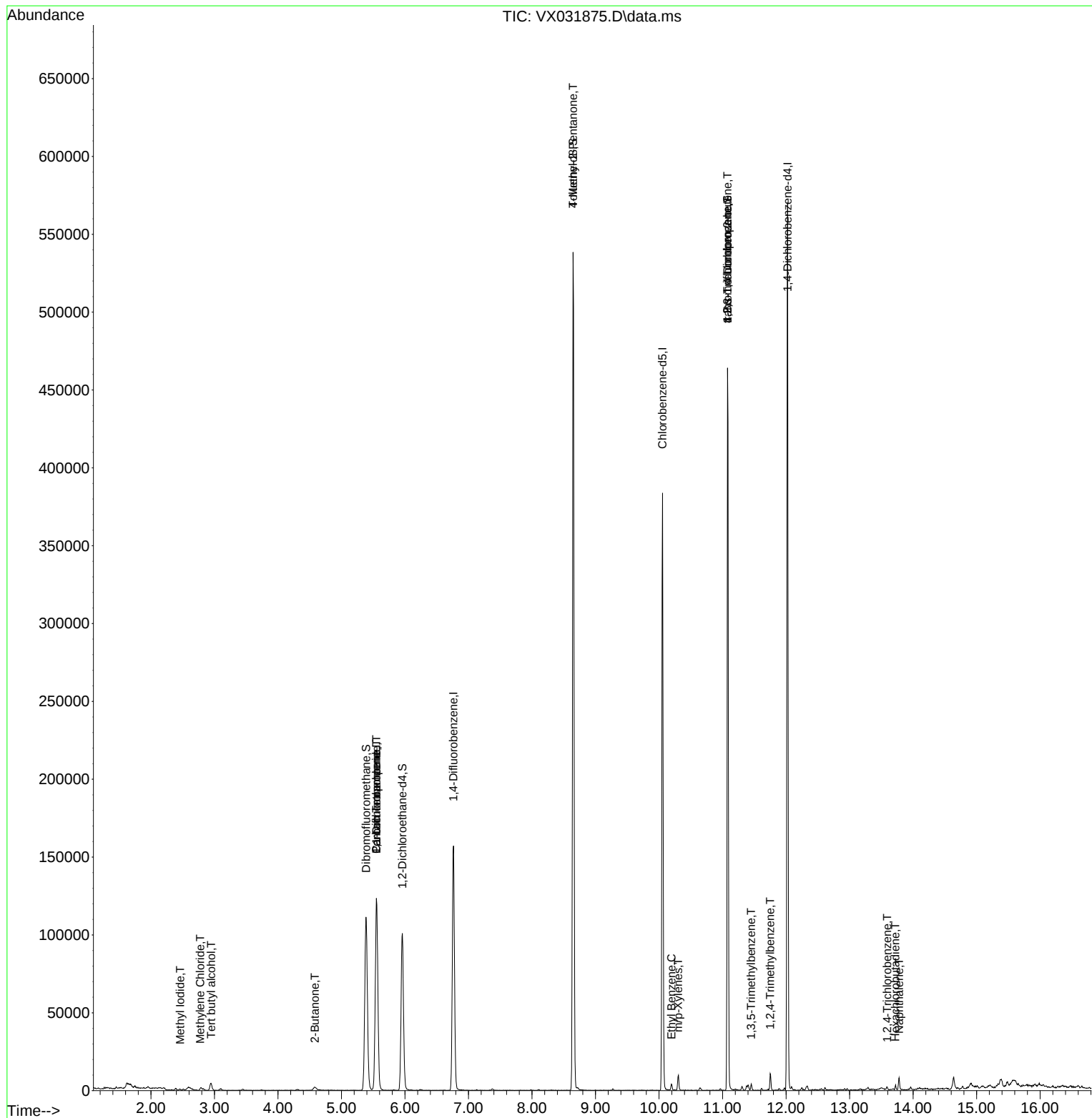
Internal Standards						
1) Pentafluorobenzene	5.550	168	134408	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	182497	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	191942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	133122	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	93864	38.980	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	77.960%
35) Dibromofluoromethane	5.385	113	97661	45.041	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.080%
50) Toluene-d8	8.647	98	341252	43.995	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	88.000%
62) 4-Bromofluorobenzene	11.079	95	120170	43.022	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.040%
Target Compounds						
						Qvalue
5) Bromomethane	1.618	94	986	Below Cal		92
6) Chloroethane	1.685	64	27	Below Cal	#	43
8) Diethyl Ether	1.929	74	21	Below Cal	#	1
10) Methyl Iodide	2.459	142	882	0.459	ug/l #	84
11) Tert butyl alcohol	2.947	59	2411	7.192	ug/l #	73
16) Acetone	2.386	43	1333	Below Cal		97
17) Carbon Disulfide	2.514	76	885	Below Cal		97
20) Methylene Chloride	2.776	84	956	0.454	ug/l #	38
25) 2-Butanone	4.580	43	259	0.234	ug/l #	49
36) 1,1-Dichloropropene	5.550	75	7512	2.794	ug/l #	50
38) Carbon Tetrachloride	5.550	117	12056	3.612	ug/l #	17
51) 4-Methyl-2-Pentanone	8.647	43	1096	0.531	ug/l #	1
67) Ethyl Benzene	10.195	91	2639	0.275	ug/l	89
68) m/p-Xylenes	10.299	106	2712	0.686	ug/l	88
76) 1,2,3-Trichloropropane	11.079	75	54177	22.368	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.451	105	1709	0.218	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	54177	76.788	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.750	105	4969	0.636	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	593	0.207	ug/l	97
94) Hexachlorobutadiene	13.719	225	540	0.458	ug/l	90
95) Naphthalene	13.780	128	6365	0.712	ug/l	96

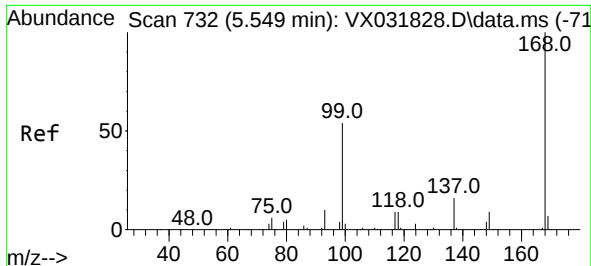
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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TB-01-100322

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 04 06:59:30 2022
Response via : Initial Calibration

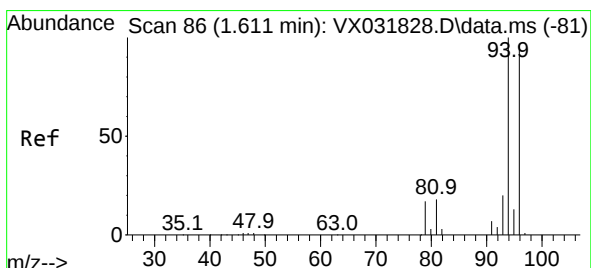
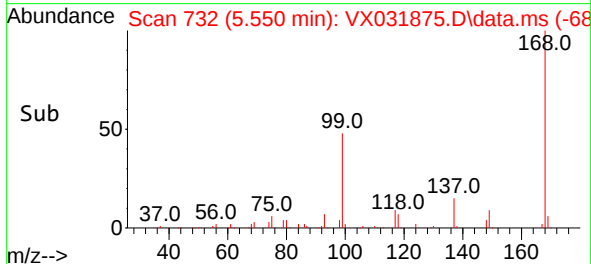
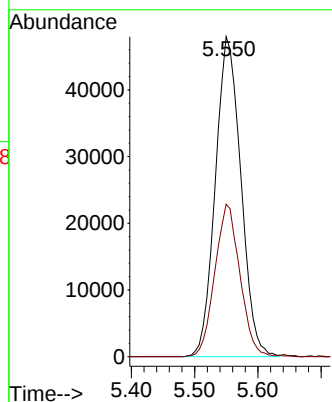
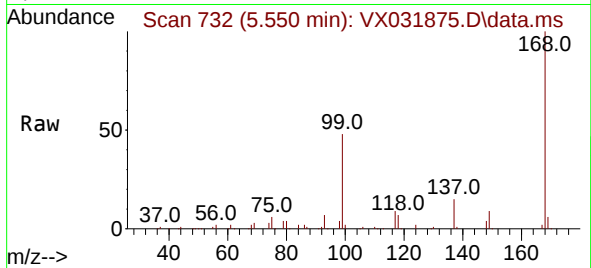




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031875.D
Acq: 04 Oct 2022 17:29

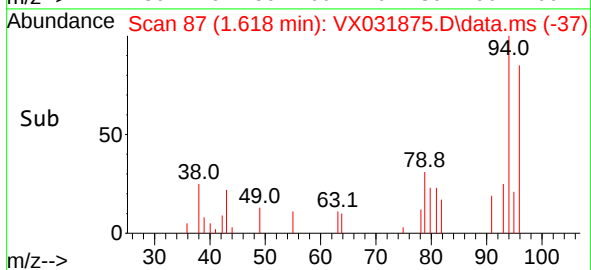
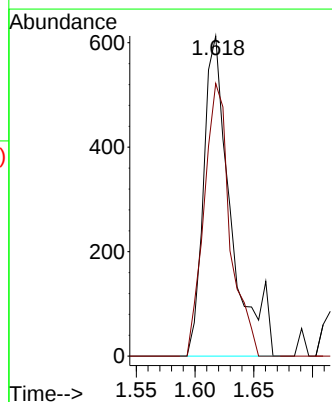
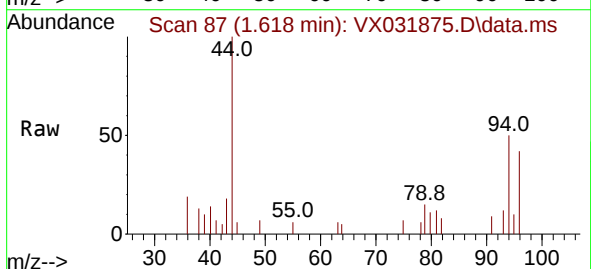
Instrument :
MSVOA_X
ClientSampleId :
TB-01-100322

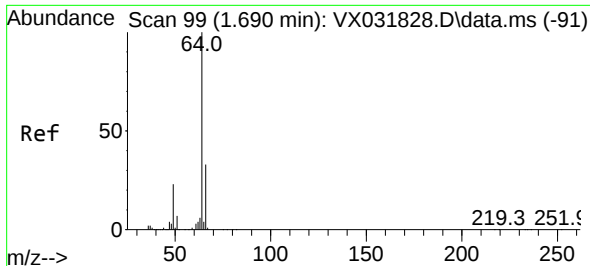
Tgt Ion:168 Resp: 134408
Ion Ratio Lower Upper
168 100
99 47.7 48.8 73.2#



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.007 min
Lab File: VX031875.D
Acq: 04 Oct 2022 17:29

Tgt Ion: 94 Resp: 986
Ion Ratio Lower Upper
94 100
96 85.2 74.4 111.6

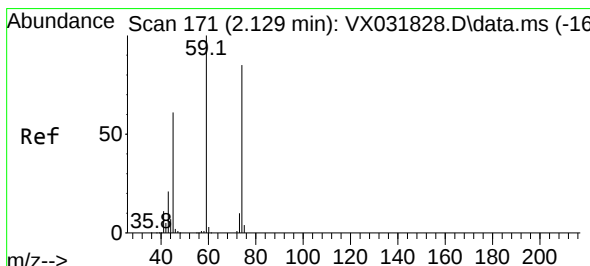
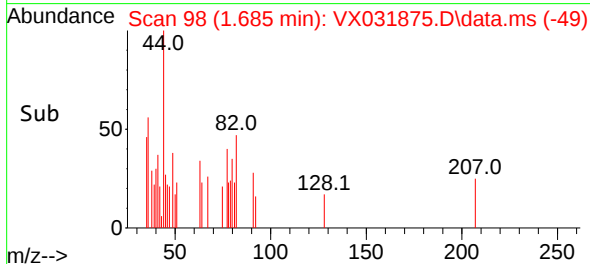
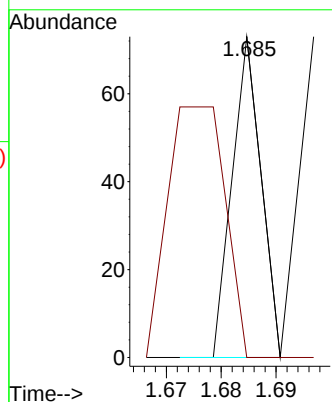
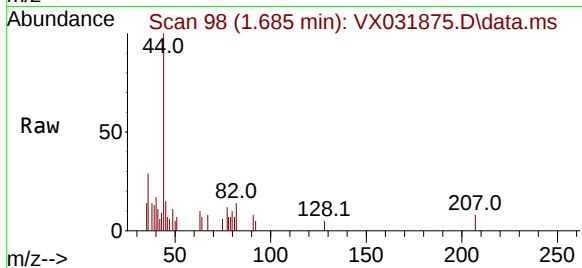




#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX031875.D
Acq: 04 Oct 2022 17:29

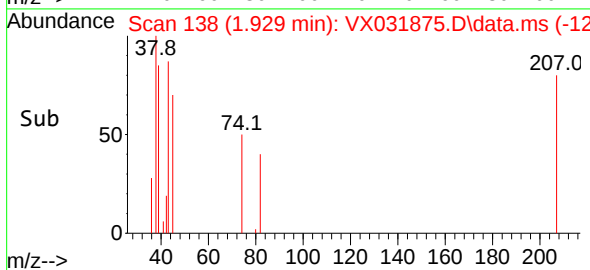
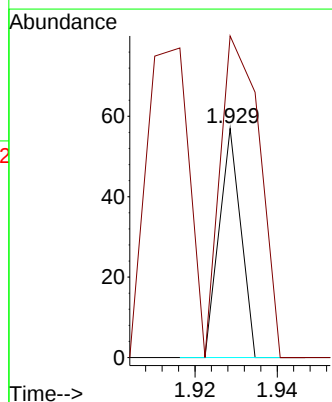
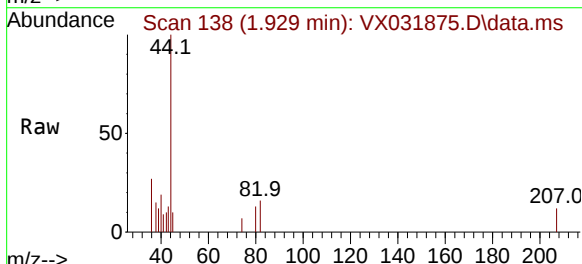
Instrument :
MSVOA_X
ClientSampleId :
TB-01-100322

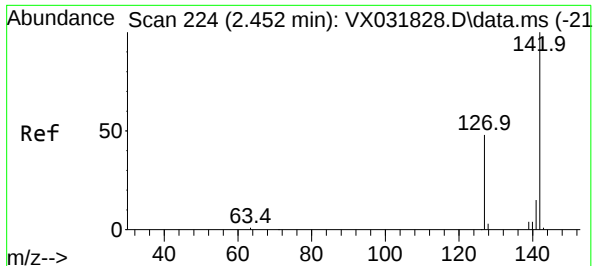
Tgt Ion: 64 Resp: 27
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#8
Diethyl Ether
Concen: Below Cal
RT: 1.929 min Scan# 138
Delta R.T. -0.201 min
Lab File: VX031875.D
Acq: 04 Oct 2022 17:29

Tgt Ion: 74 Resp: 21
Ion Ratio Lower Upper
74 100
45 252.4 48.5 145.6#

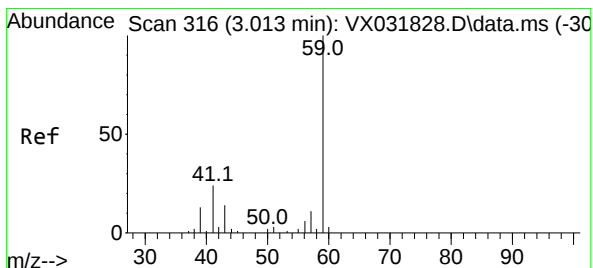
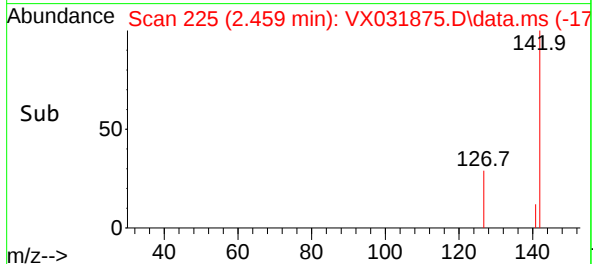
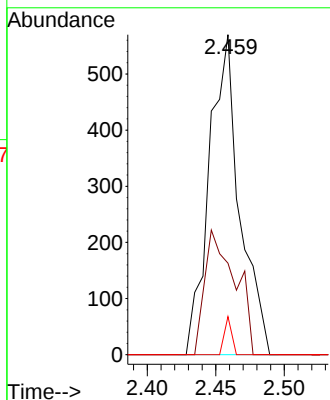
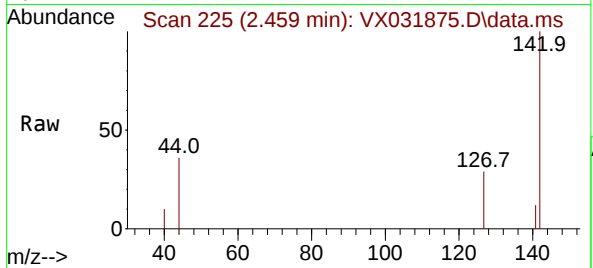




#10
Methyl Iodide
Concen: 0.459 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031875.D
Acq: 04 Oct 2022 17:29

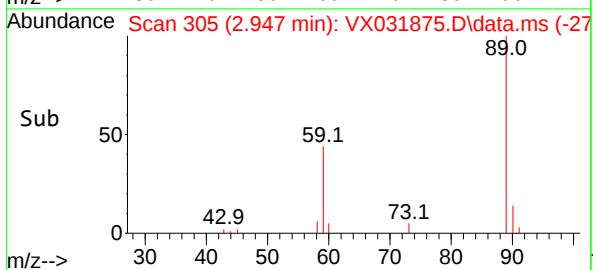
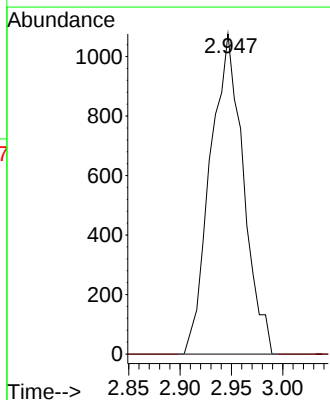
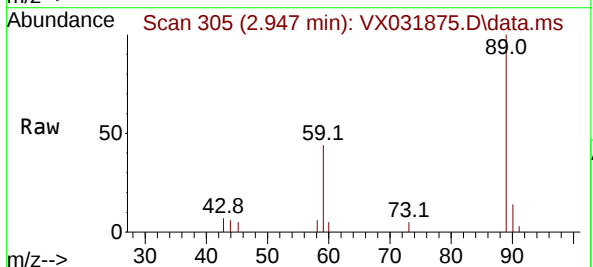
Instrument :
MSVOA_X
ClientSampleId :
TB-01-100322

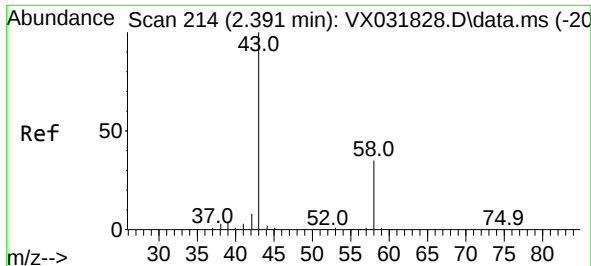
Tgt Ion:142 Resp: 882
Ion Ratio Lower Upper
142 100
127 39.0 37.4 56.0
141 2.8 11.6 17.4#



#11
Tert butyl alcohol
Concen: 7.192 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.134 min
Lab File: VX031875.D
Acq: 04 Oct 2022 17:29

Tgt Ion: 59 Resp: 2411
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

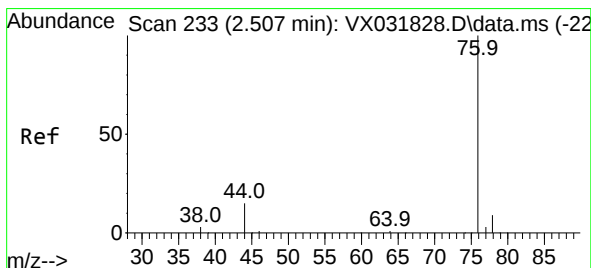
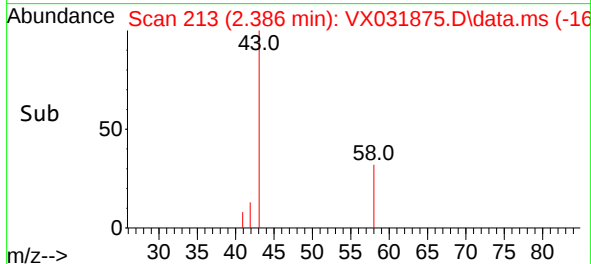
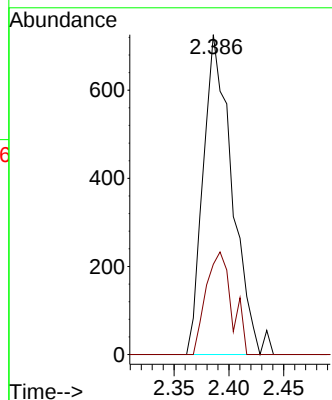
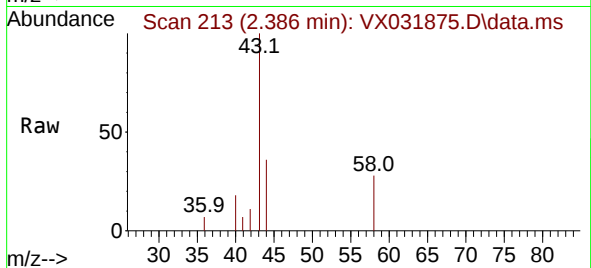




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX031875.D
Acq: 04 Oct 2022 17:29

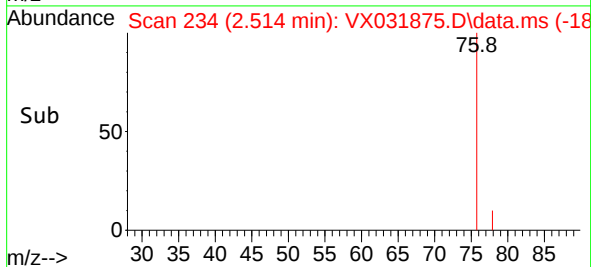
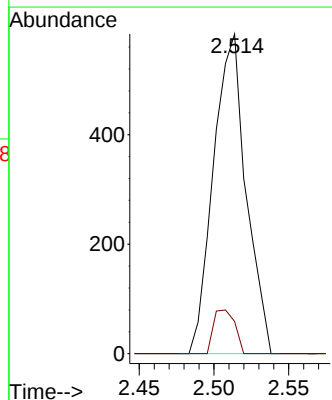
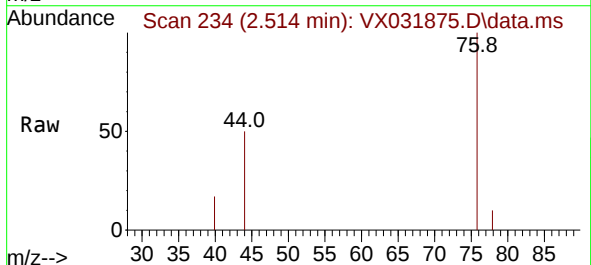
Instrument :
MSVOA_X
ClientSampleId :
TB-01-100322

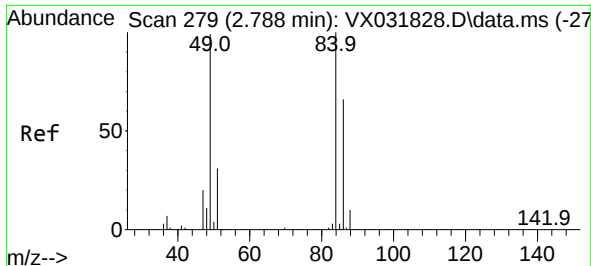
Tgt Ion: 43 Resp: 1333
Ion Ratio Lower Upper
43 100
58 28.2 23.8 35.8



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX031875.D
Acq: 04 Oct 2022 17:29

Tgt Ion: 76 Resp: 885
Ion Ratio Lower Upper
76 100
78 10.1 7.2 10.8

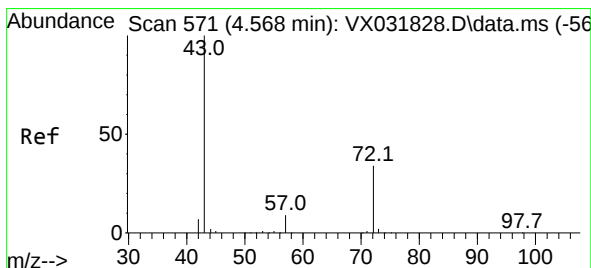
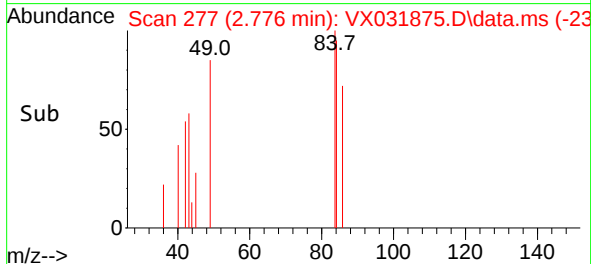
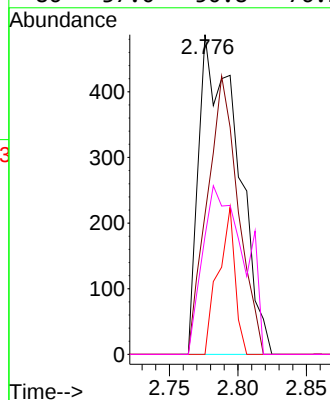
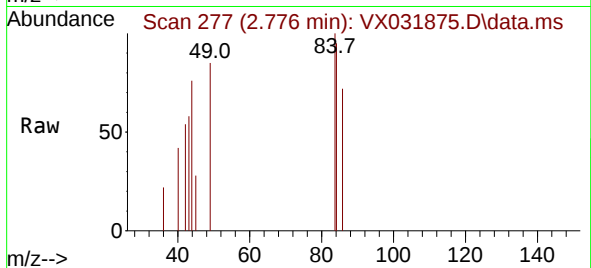




#20
Methylene Chloride
Concen: 0.454 ug/l
RT: 2.776 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX031875.D
Acq: 04 Oct 2022 17:29

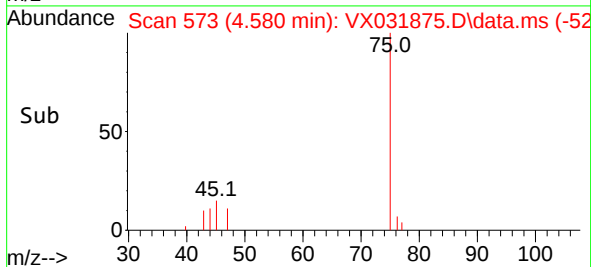
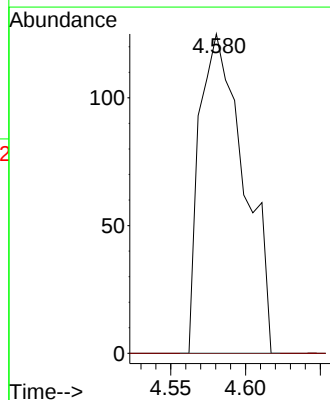
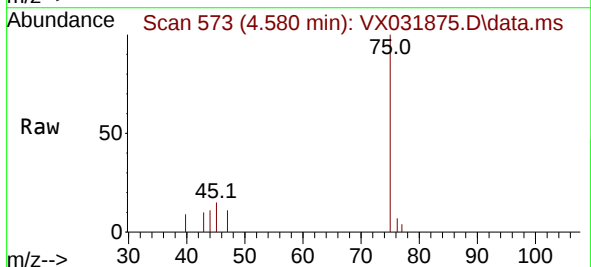
Instrument :
MSVOA_X
ClientSampleId :
TB-01-100322

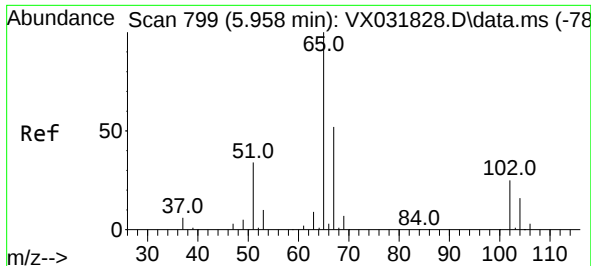
Tgt Ion:	84	Resp:	956
Ion	Ratio	Lower	Upper
84	100		
49	43.7	105.9	158.9#
51	0.0	32.2	48.2#
86	37.0	50.8	76.2#



#25
2-Butanone
Concen: 0.234 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX031875.D
Acq: 04 Oct 2022 17:29

Tgt Ion:	43	Resp:	259
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.1	31.7#

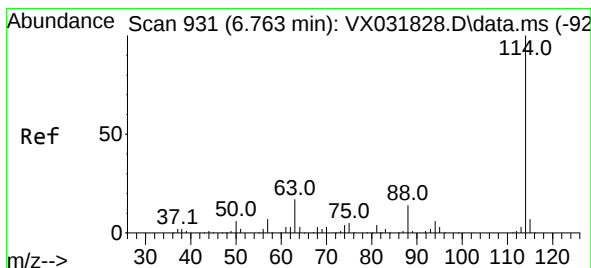
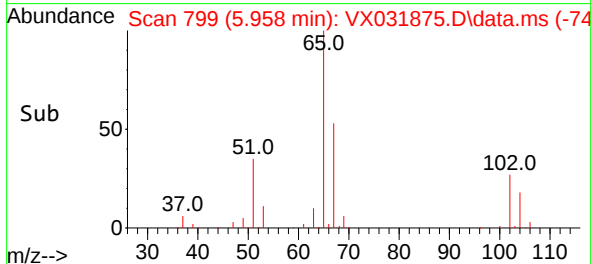
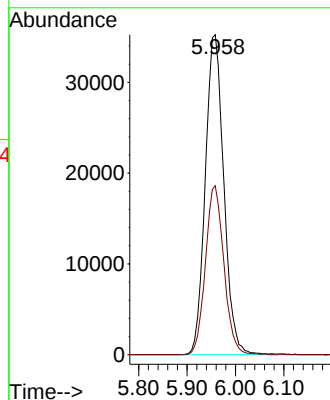
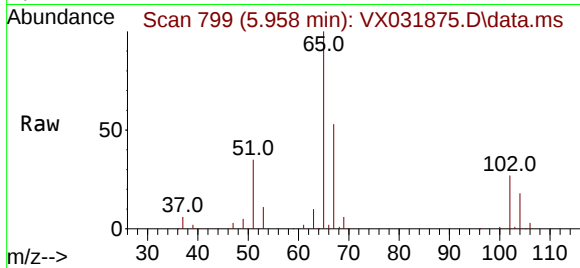




#33
 1,2-Dichloroethane-d4
 Concen: 38.980 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.006 min
 Lab File: VX031875.D
 Acq: 04 Oct 2022 17:29

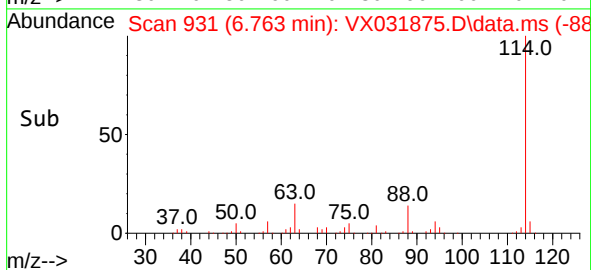
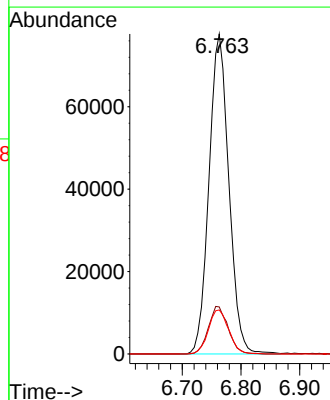
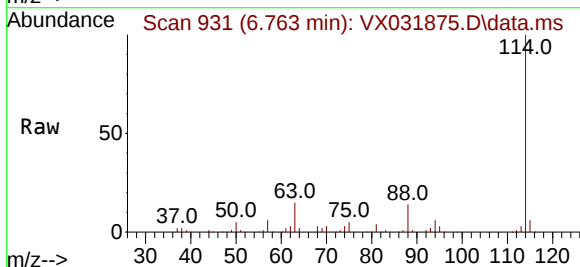
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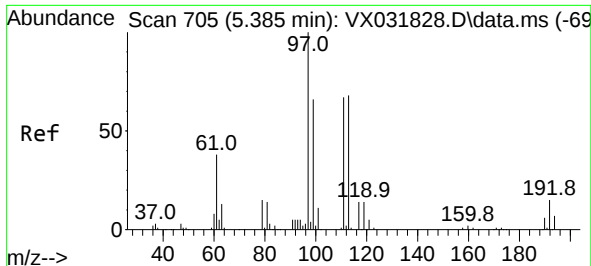
Tgt Ion: 65 Resp: 93864
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX031875.D
 Acq: 04 Oct 2022 17:29

Tgt Ion: 114 Resp: 182497
 Ion Ratio Lower Upper
 114 100
 63 14.7 0.0 42.6
 88 13.8 0.0 33.0

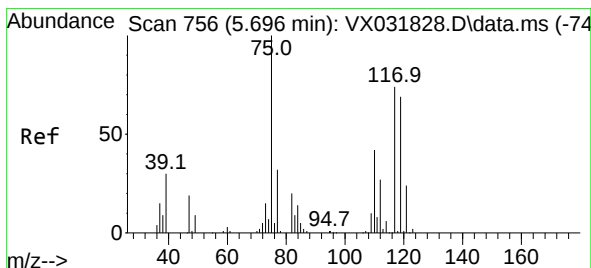
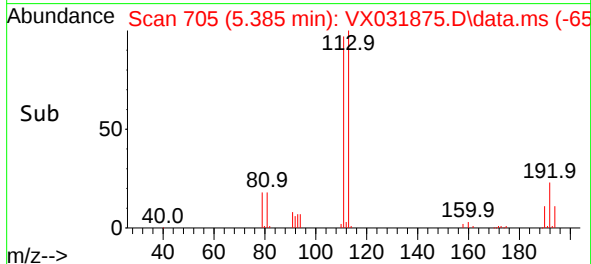
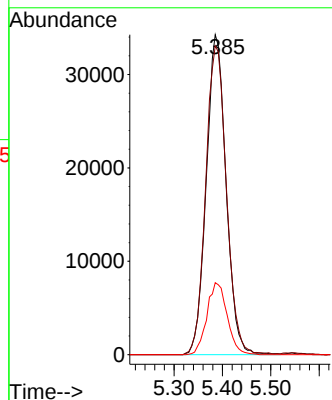
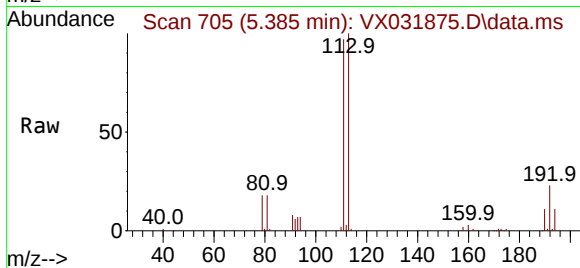




#35
Dibromofluoromethane
Concen: 45.041 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031875.D
Acq: 04 Oct 2022 17:29

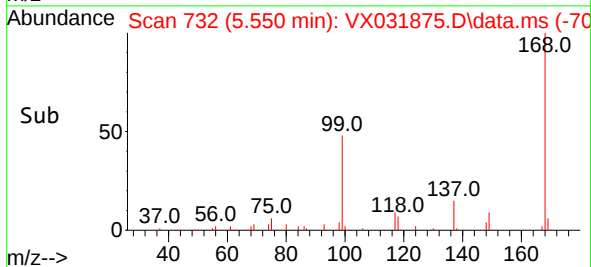
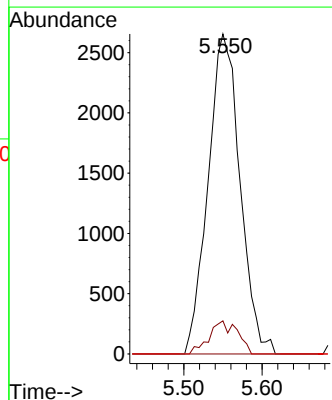
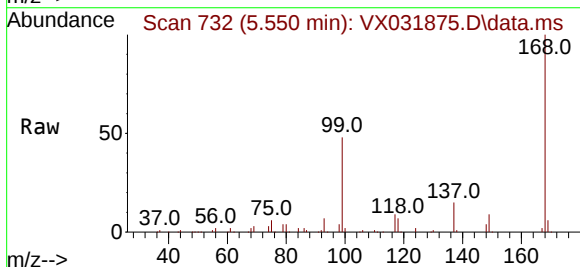
Instrument :
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ClientSampleId :
TB-01-100322

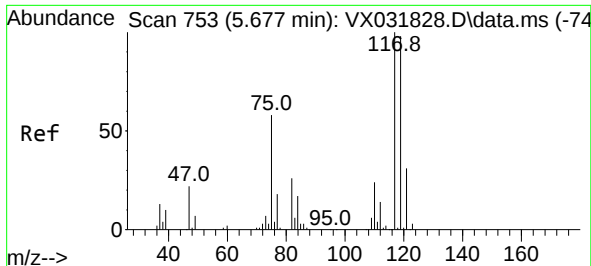
Tgt Ion:113 Resp: 97661
Ion Ratio Lower Upper
113 100
111 100.8 82.4 123.6
192 23.0 14.1 21.1#



#36
1,1-Dichloropropene
Concen: 2.794 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX031875.D
Acq: 04 Oct 2022 17:29

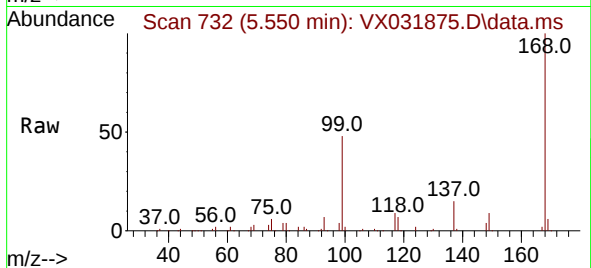
Tgt Ion: 75 Resp: 7512
Ion Ratio Lower Upper
75 100
110 9.2 17.5 52.5#
77 0.0 24.9 37.3#



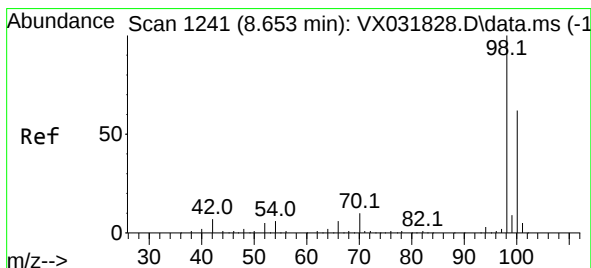
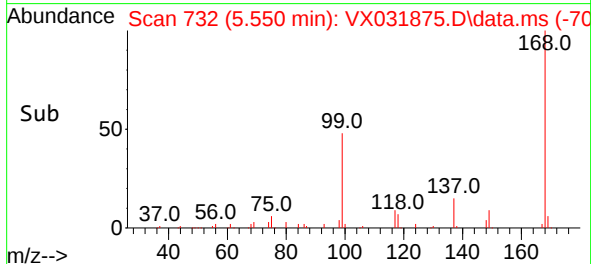
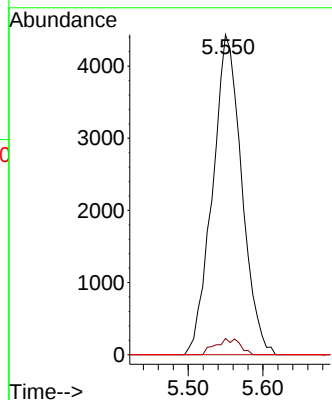


#38
Carbon Tetrachloride
Concen: 3.612 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX031875.D
Acq: 04 Oct 2022 17:29

Instrument :
MSVOA_X
ClientSampleId :
TB-01-100322

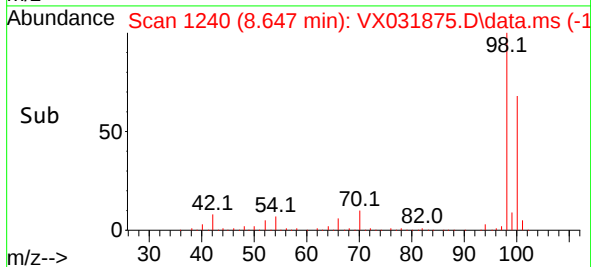
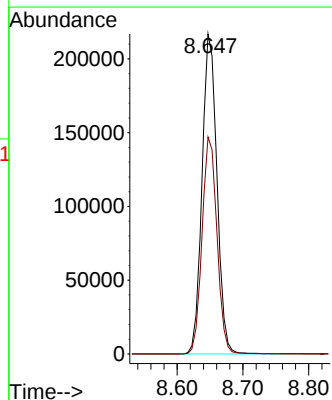
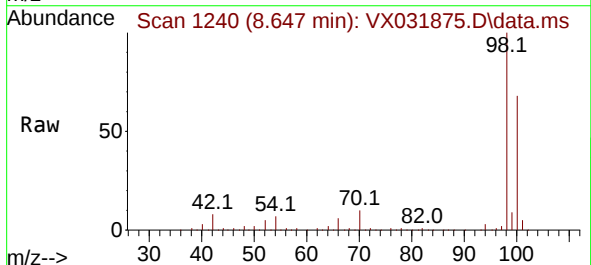


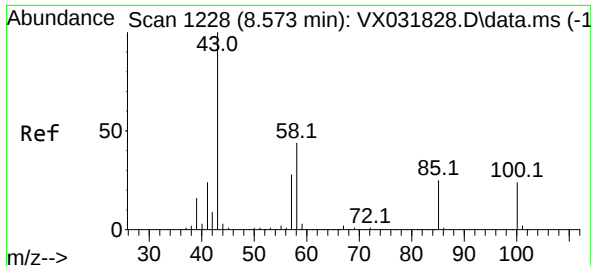
Tgt Ion:117 Resp: 12056
Ion Ratio Lower Upper
117 100
119 5.1 74.6 112.0#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 43.995 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX031875.D
Acq: 04 Oct 2022 17:29

Tgt Ion: 98 Resp: 341252
Ion Ratio Lower Upper
98 100
100 67.9 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.531 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.067 min

Lab File: VX031875.D

Acq: 04 Oct 2022 17:29

Instrument :

MSVOA_X

ClientSampleId :

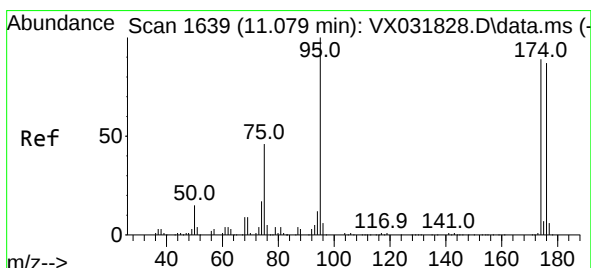
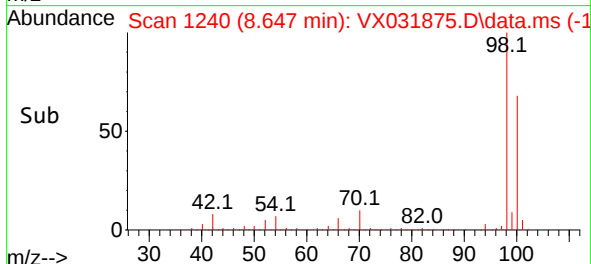
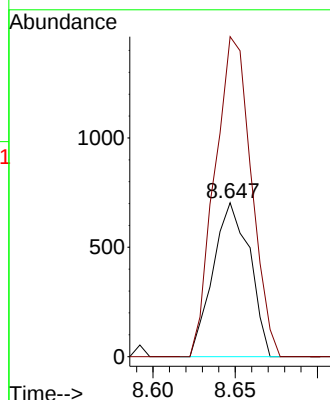
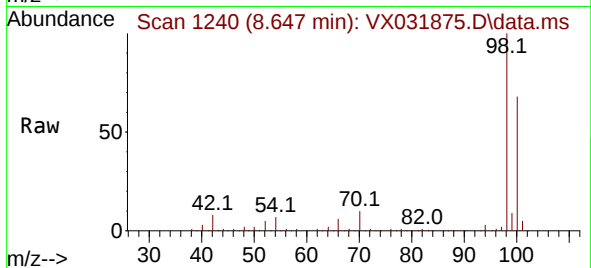
TB-01-100322

Tgt Ion: 43 Resp: 1096

Ion Ratio Lower Upper

43 100

58 206.4 30.6 46.0#



#62

4-Bromofluorobenzene

Concen: 43.022 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031875.D

Acq: 04 Oct 2022 17:29

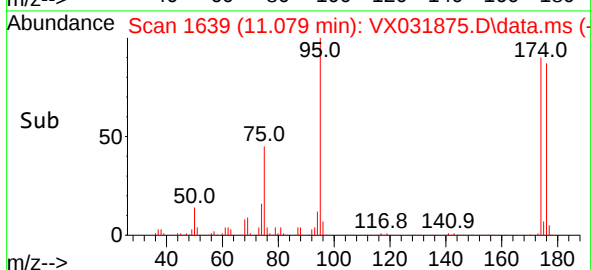
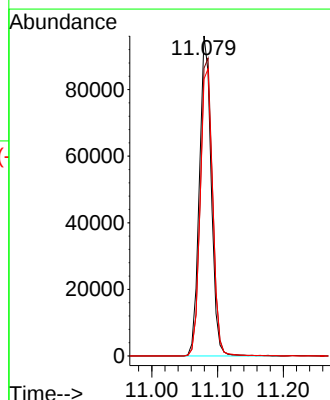
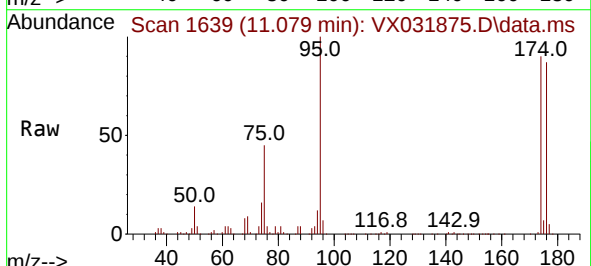
Tgt Ion: 95 Resp: 120170

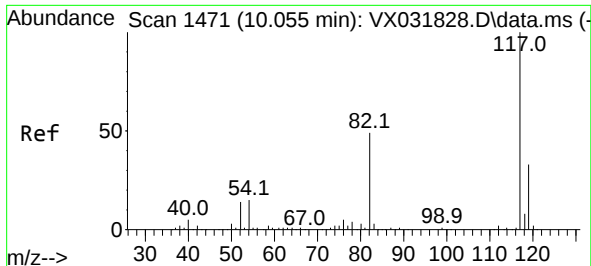
Ion Ratio Lower Upper

95 100

174 96.9 0.0 153.2

176 94.7 0.0 144.0

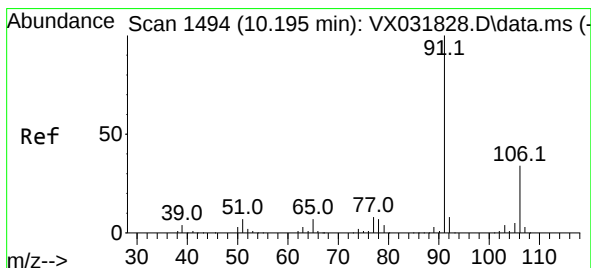
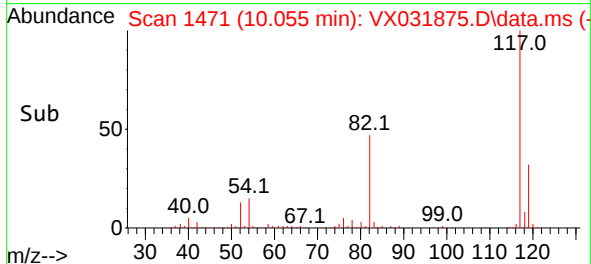
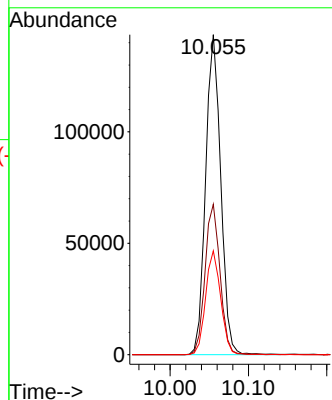
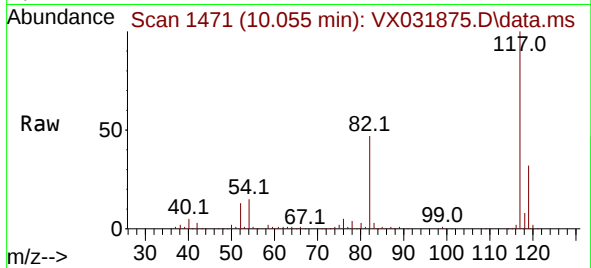




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031875.D
Acq: 04 Oct 2022 17:29

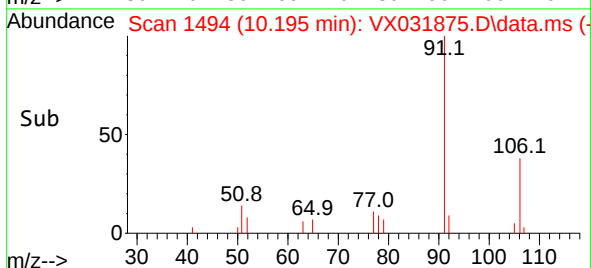
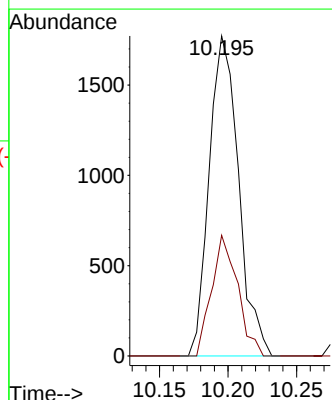
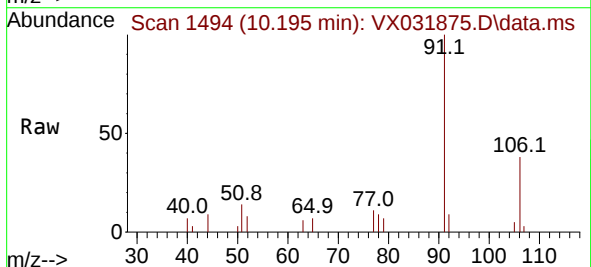
Instrument :
MSVOA_X
ClientSampleId :
TB-01-100322

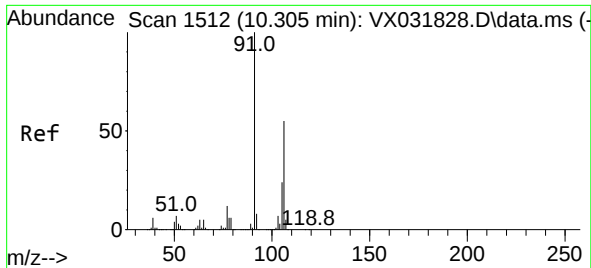
Tgt Ion:117 Resp: 191942
Ion Ratio Lower Upper
117 100
82 47.0 46.8 70.2
119 32.5 26.4 39.6



#67
Ethyl Benzene
Concen: 0.275 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX031875.D
Acq: 04 Oct 2022 17:29

Tgt Ion: 91 Resp: 2639
Ion Ratio Lower Upper
91 100
106 37.7 25.2 37.8

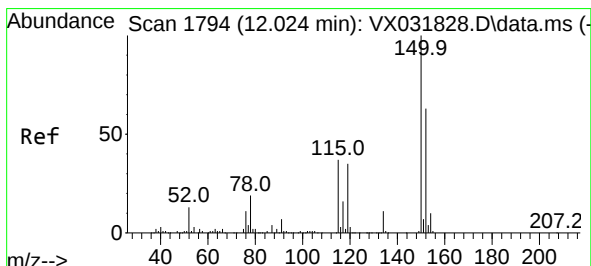
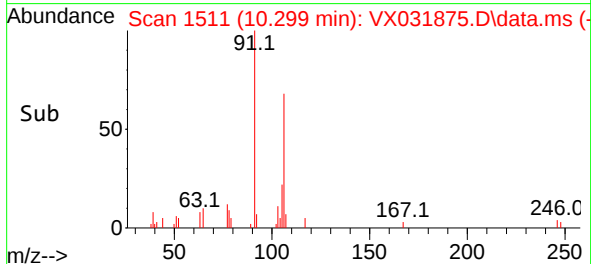
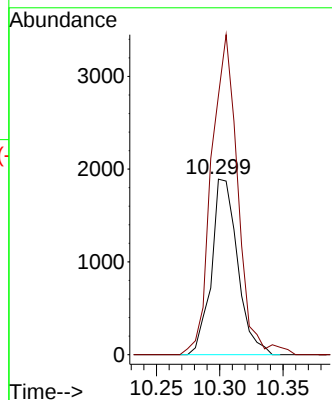
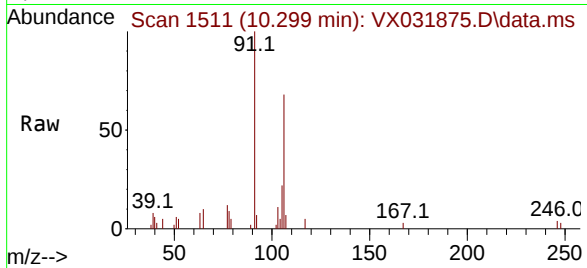




#68
m/p-Xylenes
Concen: 0.686 ug/l
RT: 10.299 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX031875.D
Acq: 04 Oct 2022 17:29

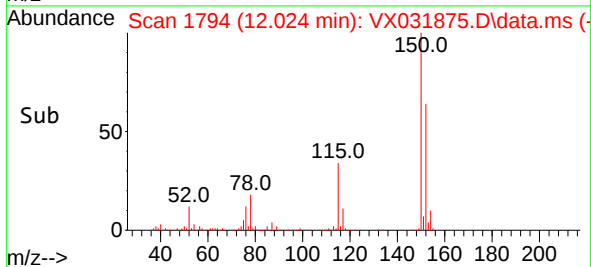
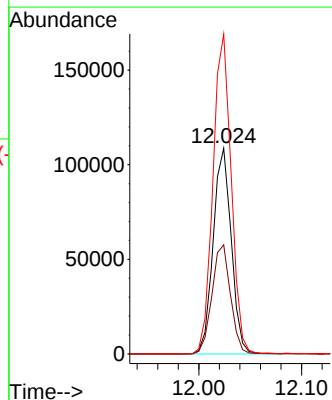
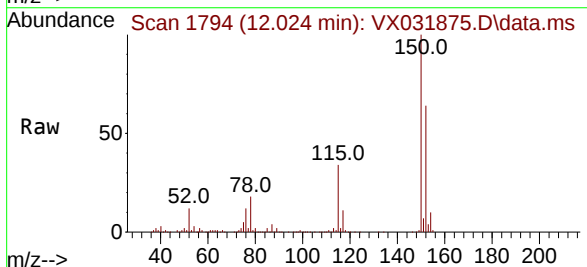
Instrument :
MSVOA_X
ClientSampleId :
TB-01-100322

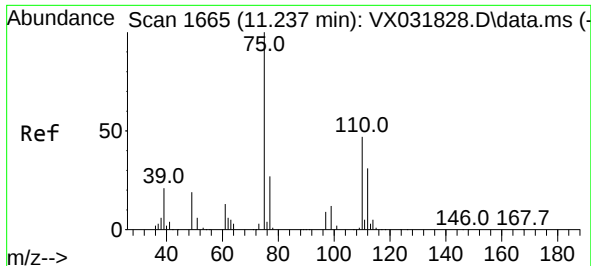
Tgt Ion:106 Resp: 2712
Ion Ratio Lower Upper
106 100
91 183.4 161.0 241.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031875.D
Acq: 04 Oct 2022 17:29

Tgt Ion:152 Resp: 133122
Ion Ratio Lower Upper
152 100
115 54.6 43.4 130.1
150 156.6 0.0 346.8

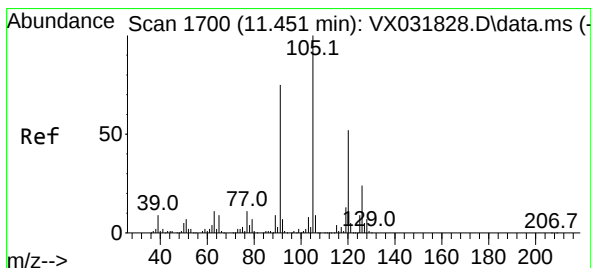
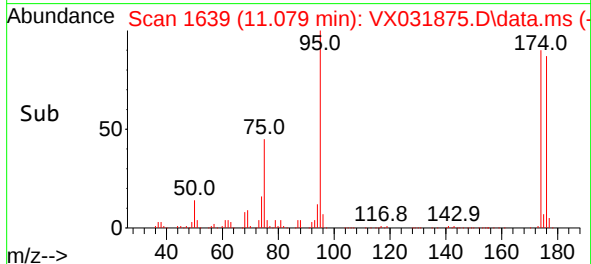
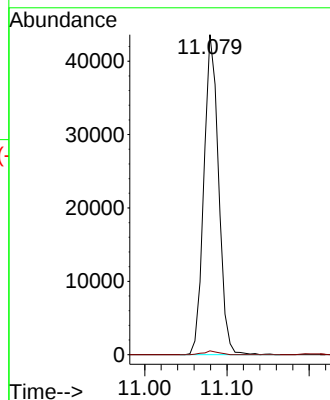
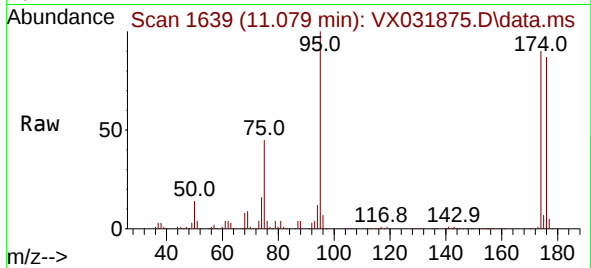




#76
1,2,3-Trichloropropane
Concen: 22.368 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031875.D
Acq: 04 Oct 2022 17:29

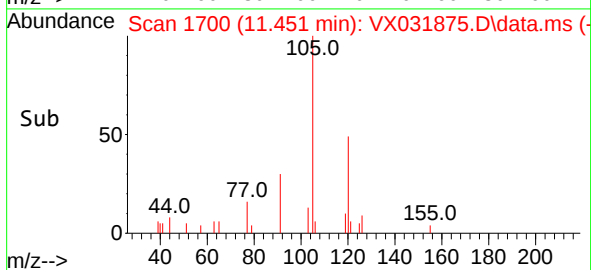
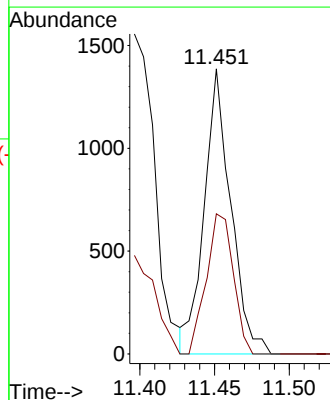
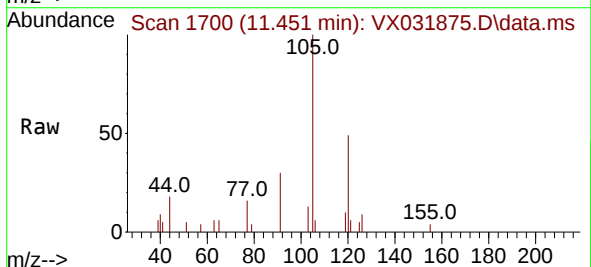
Instrument :
MSVOA_X
ClientSampleId :
TB-01-100322

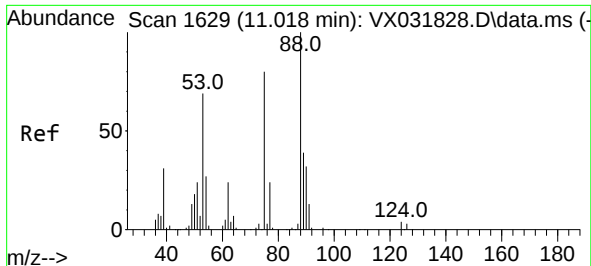
Tgt Ion: 75 Resp: 54177
Ion Ratio Lower Upper
75 100
77 1.2 20.3 60.9#



#80
1,3,5-Trimethylbenzene
Concen: 0.218 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX031875.D
Acq: 04 Oct 2022 17:29

Tgt Ion: 105 Resp: 1709
Ion Ratio Lower Upper
105 100
120 50.0 24.5 73.5

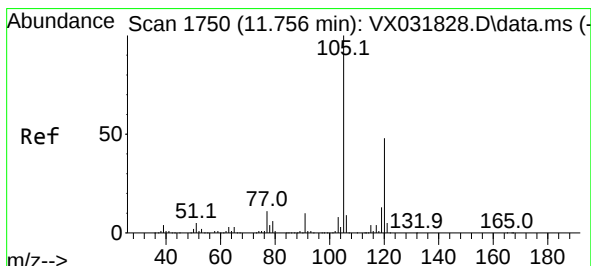
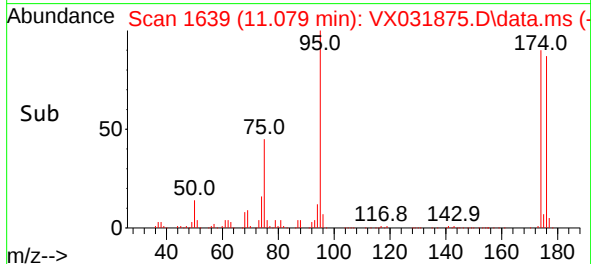
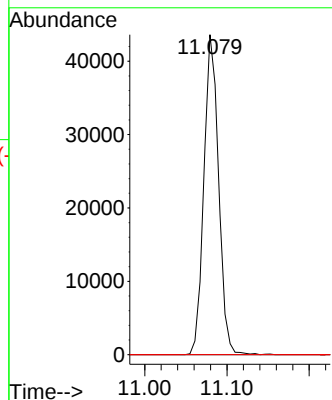
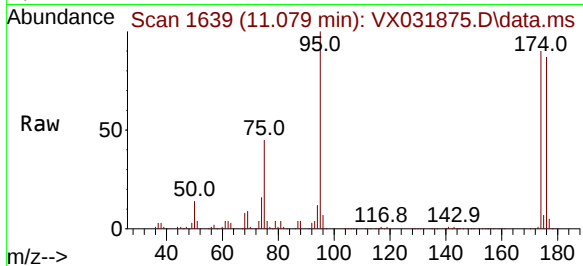




#81
trans-1,4-Dichloro-2-butene
Concen: 76.788 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX031875.D
Acq: 04 Oct 2022 17:29

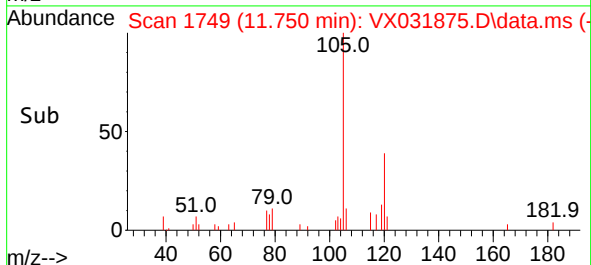
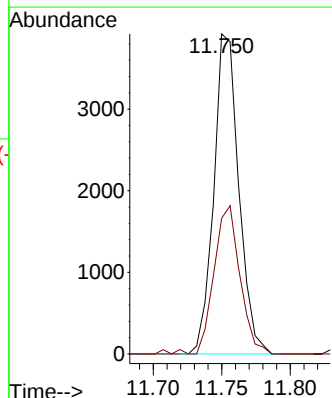
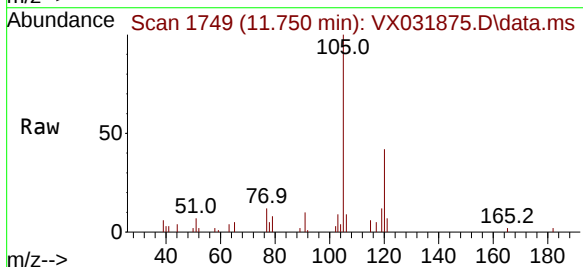
Instrument :
MSVOA_X
ClientSampleId :
TB-01-100322

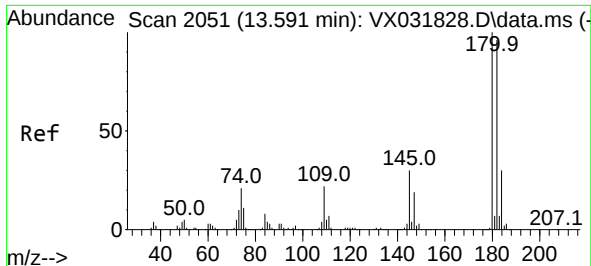
Tgt Ion: 75 Resp: 54177
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 0.636 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX031875.D
Acq: 04 Oct 2022 17:29

Tgt Ion: 105 Resp: 4969
Ion Ratio Lower Upper
105 100
120 47.7 22.6 67.8

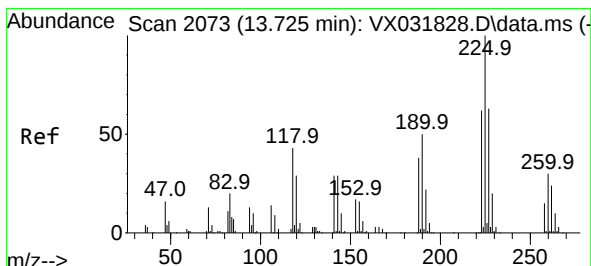
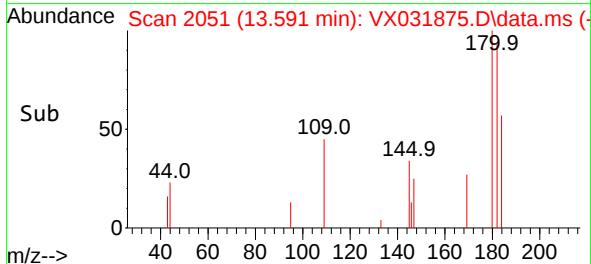
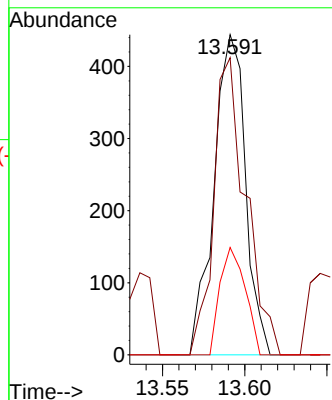
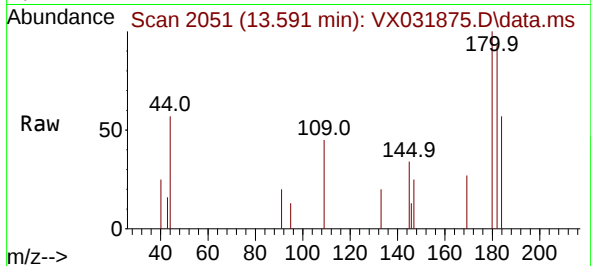




#93
1,2,4-Trichlorobenzene
Concen: 0.207 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX031875.D
Acq: 04 Oct 2022 17:29

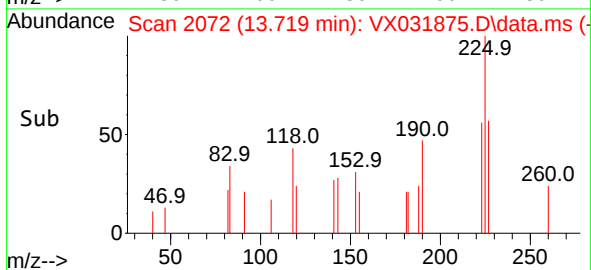
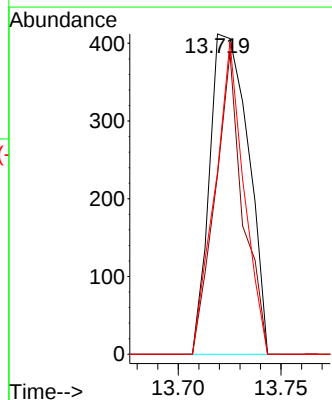
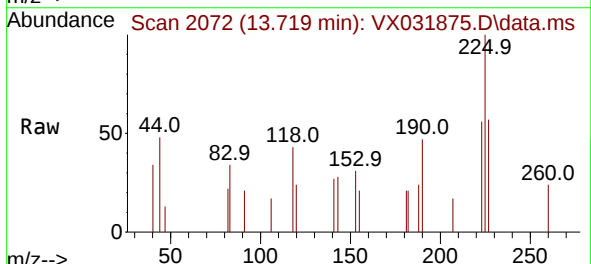
Instrument :
MSVOA_X
ClientSampleId :
TB-01-100322

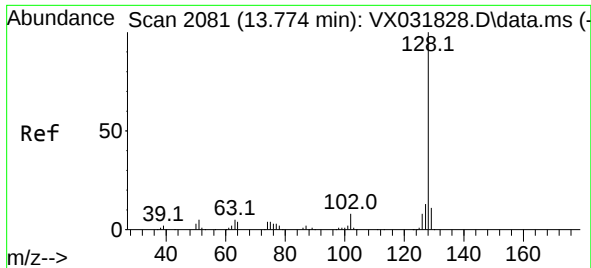
Tgt Ion:180 Resp: 593
Ion Ratio Lower Upper
180 100
182 93.9 46.9 140.6
145 26.8 16.7 50.1



#94
Hexachlorobutadiene
Concen: 0.458 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX031875.D
Acq: 04 Oct 2022 17:29

Tgt Ion:225 Resp: 540
Ion Ratio Lower Upper
225 100
223 68.3 30.8 92.4
227 73.1 32.3 96.9





#95

Naphthalene

Concen: 0.712 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX031875.D

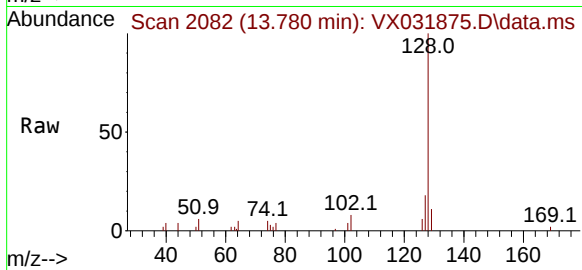
Acq: 04 Oct 2022 17:29

Instrument :

MSVOA_X

ClientSampleId :

TB-01-100322



Tgt Ion:128 Resp: 6365

Ion Ratio Lower Upper

128 100

127 14.3 10.4 15.6

129 12.6 8.8 13.2

