

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050123\
 Data File : VX035462.D
 Acq On : 02 May 2023 00:49
 Operator : JC/MD
 Sample : 02521-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PZ-15

Quant Time: May 02 02:44:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

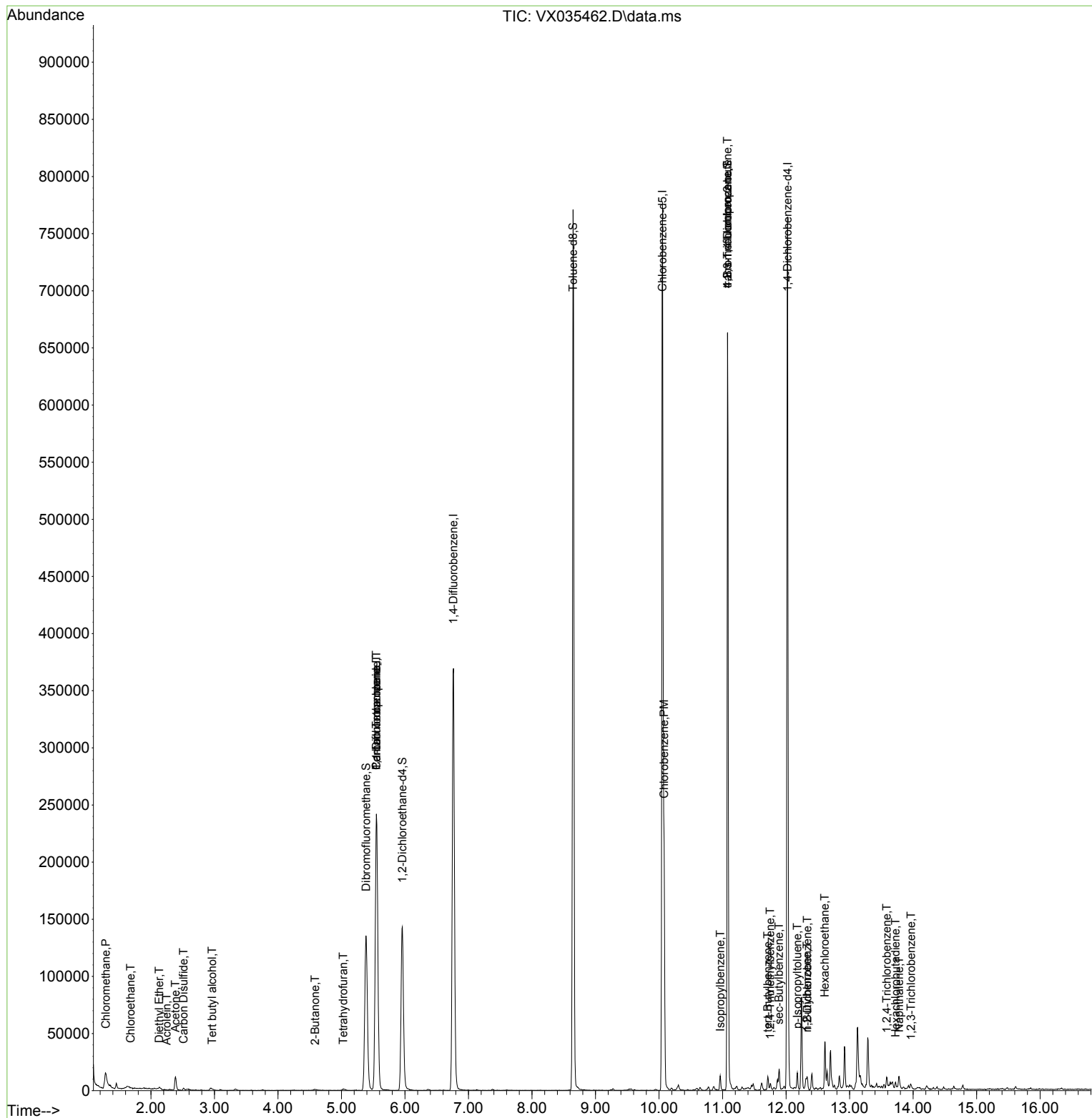
Internal Standards						
1) Pentafluorobenzene	5.550	168	239798	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	393259	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	360660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	167957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	139857	48.343	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.680%
35) Dibromofluoromethane	5.385	113	122266	50.655	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.300%
50) Toluene-d8	8.647	98	466400	51.223	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.440%
62) 4-Bromofluorobenzene	11.079	95	175927	51.362	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.720%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	808	0.350	ug/l #	42
6) Chloroethane	1.679	64	357	0.264	ug/l #	42
8) Diethyl Ether	2.130	74	342	0.259	ug/l #	1
11) Tert butyl alcohol	2.965	59	1783	3.385	ug/l #	77
13) Acrolein	2.246	56	214	0.413	ug/l	99
16) Acetone	2.386	43	12090	9.622	ug/l	97
17) Carbon Disulfide	2.514	76	2333	0.418	ug/l	95
25) 2-Butanone	4.587	43	714	0.389	ug/l	91
29) Tetrahydrofuran	5.026	42	1250	1.063	ug/l #	71
36) 1,1-Dichloropropene	5.550	75	16471	4.370	ug/l #	50
38) Carbon Tetrachloride	5.550	117	23517	6.573	ug/l #	16
65) Chlorobenzene	10.079	112	90897	11.649	ug/l	100
73) Isopropylbenzene	10.963	105	6799	0.554	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	86251	25.744	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	86251	83.379	ug/l #	8
83) tert-Butylbenzene	11.713	119	4450	0.428	ug/l	84
84) 1,2,4-Trimethylbenzene	11.750	105	2374	0.228	ug/l	98
85) sec-Butylbenzene	11.890	105	8681	0.681	ug/l #	67
86) p-Isopropyltoluene	12.177	119	6518	0.602	ug/l	96
89) n-Butylbenzene	12.329	91	3467	0.379	ug/l #	83
90) Hexachloroethane	12.610	117	2261	1.363	ug/l #	15
91) 1,2-Dichlorobenzene	12.335	146	1496	0.258	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	1169	0.321	ug/l #	87
94) Hexachlorobutadiene	13.725	225	722	0.451	ug/l	75
95) Naphthalene	13.780	128	7804	0.695	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.969	180	1030	0.281	ug/l #	77

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

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Instrument :
MSVOA_X
ClientSampleId :
PZ-15

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Quant Title : SW846 8260
QLast Update : Tue Apr 25 16:31:40 2023
Response via : Initial Calibration

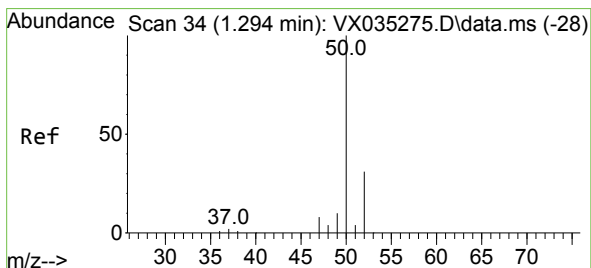
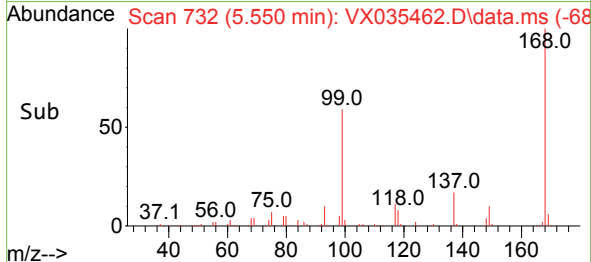
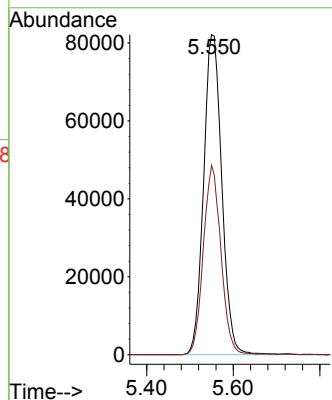
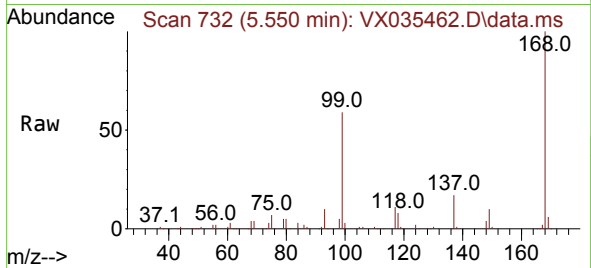




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX035462.D
Acq: 02 May 2023 00:49

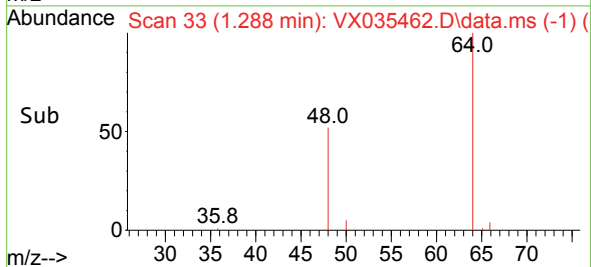
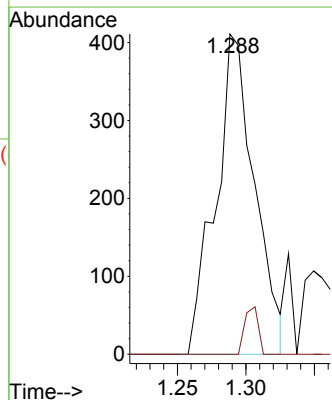
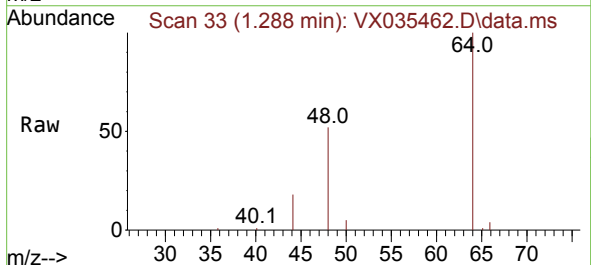
Instrument :
MSVOA_X
ClientSampleId :
PZ-15

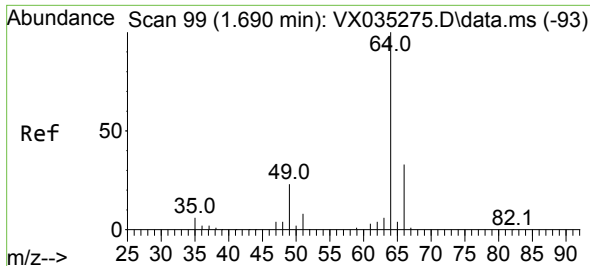
Tgt Ion:168 Resp: 239798
Ion Ratio Lower Upper
168 100
99 59.2 45.7 68.5



#3
Chloromethane
Concen: 0.350 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX035462.D
Acq: 02 May 2023 00:49

Tgt Ion: 50 Resp: 808
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

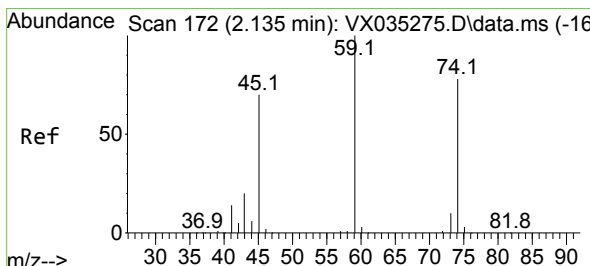
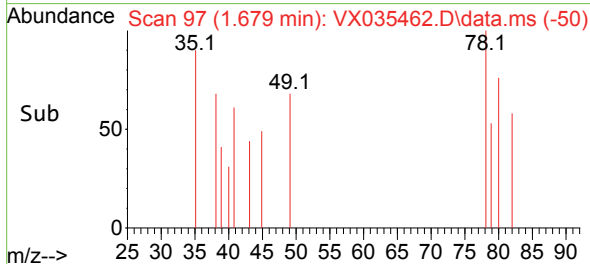
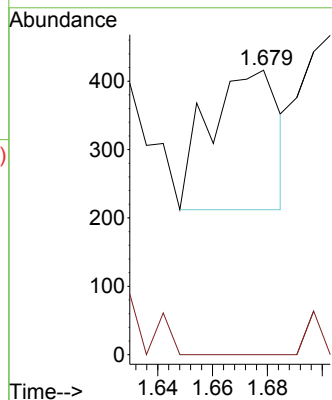
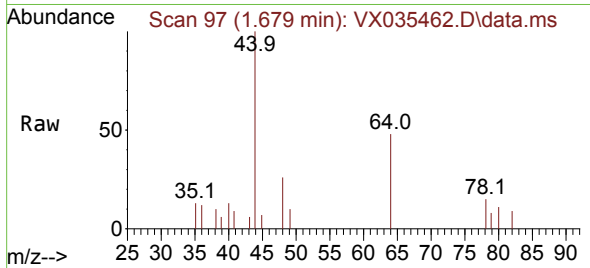




#6
Chloroethane
Concen: 0.264 ug/l
RT: 1.679 min Scan# 91
Delta R.T. -0.011 min
Lab File: VX035462.D
Acq: 02 May 2023 00:49

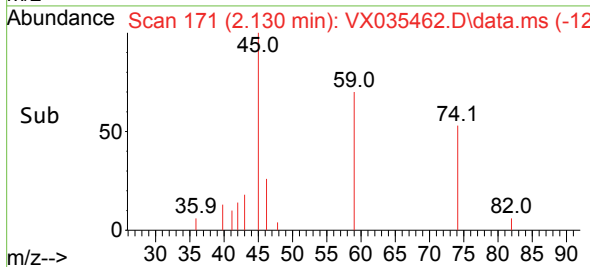
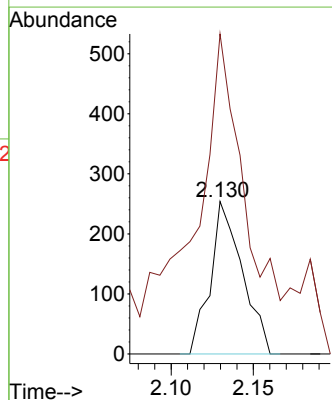
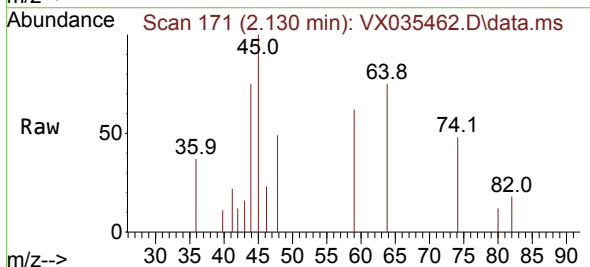
Instrument :
MSVOA_X
ClientSampleId :
PZ-15

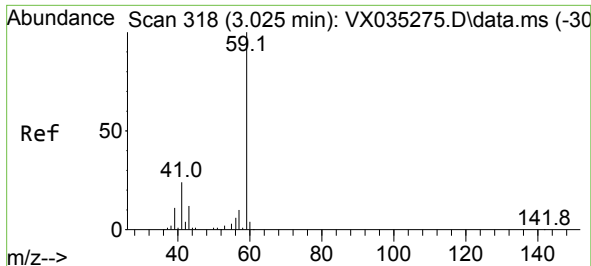
Tgt Ion: 64 Resp: 357
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#8
Diethyl Ether
Concen: 0.259 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.005 min
Lab File: VX035462.D
Acq: 02 May 2023 00:49

Tgt Ion: 74 Resp: 342
Ion Ratio Lower Upper
74 100
45 384.8 49.8 149.3#

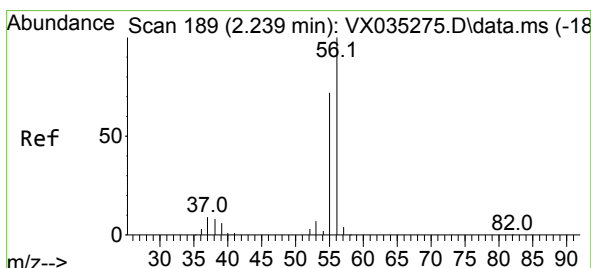
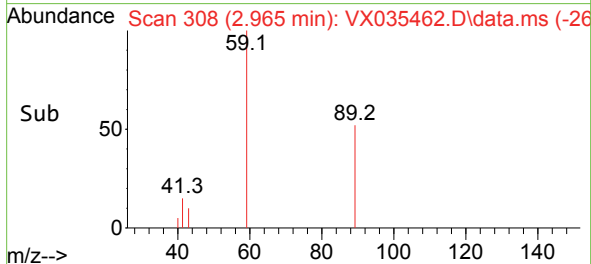
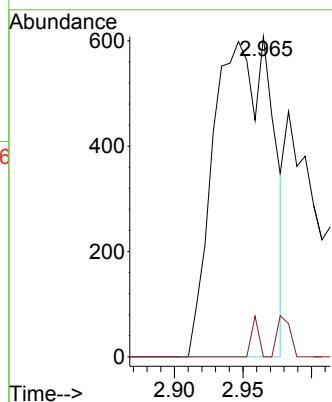
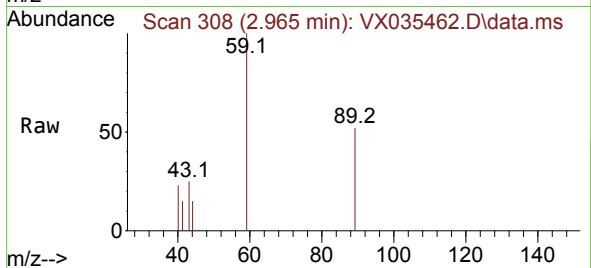




#11
Tert butyl alcohol
Concen: 3.385 ug/l
RT: 2.965 min Scan# 30
Delta R.T. -0.060 min
Lab File: VX035462.D
Acq: 02 May 2023 00:49

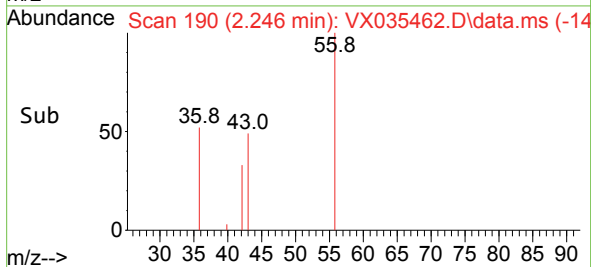
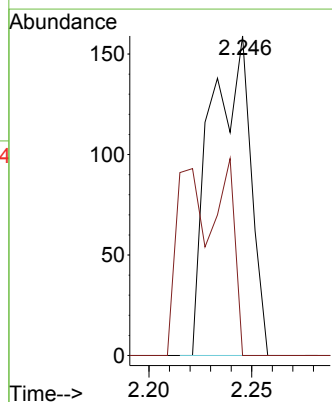
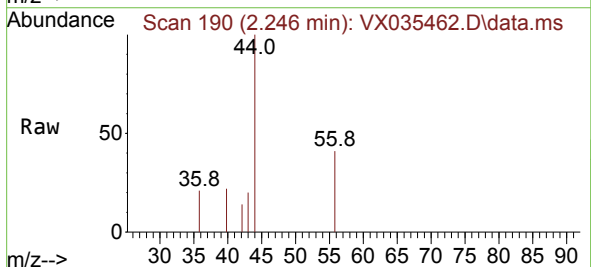
Instrument :
MSVOA_X
ClientSampleId :
PZ-15

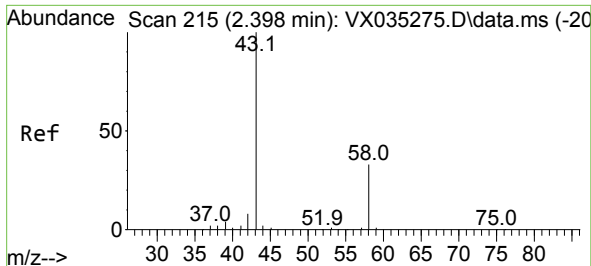
Tgt Ion: 59 Resp: 1783
Ion Ratio Lower Upper
59 100
57 1.6 8.1 12.1#



#13
Acrolein
Concen: 0.413 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.007 min
Lab File: VX035462.D
Acq: 02 May 2023 00:49

Tgt Ion: 56 Resp: 214
Ion Ratio Lower Upper
56 100
55 69.6 56.6 85.0

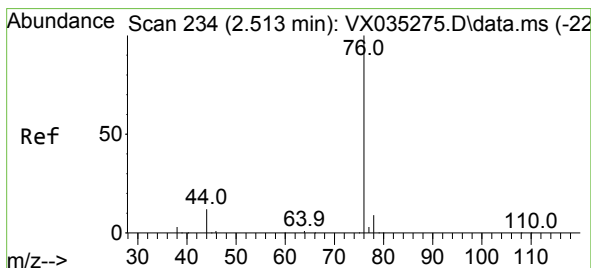
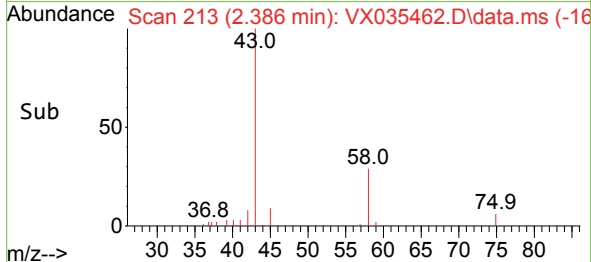
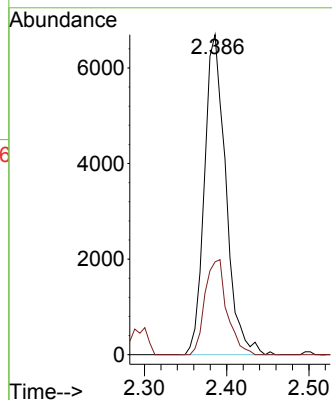
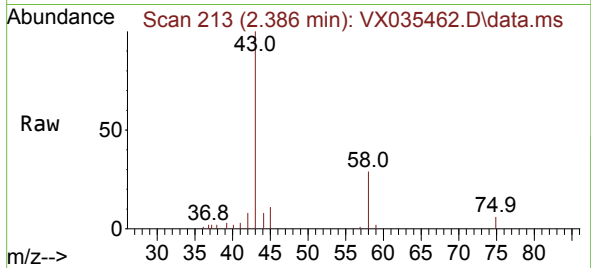




#16
Acetone
Concen: 9.622 ug/l
RT: 2.386 min Scan# 215
Delta R.T. -0.012 min
Lab File: VX035462.D
Acq: 02 May 2023 00:49

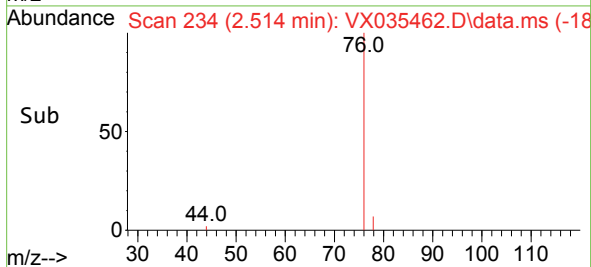
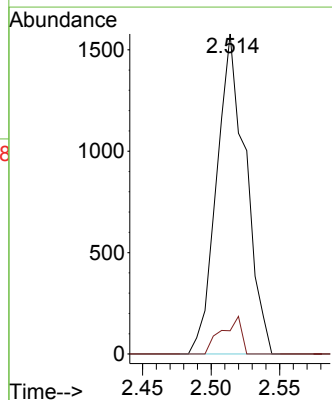
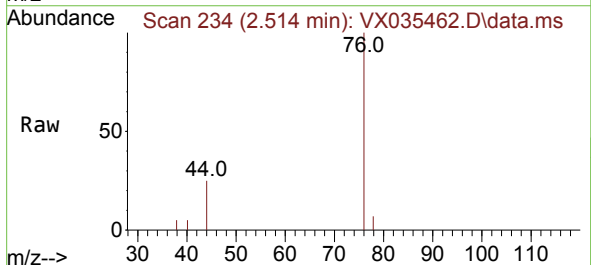
Instrument :
MSVOA_X
ClientSampleId :
PZ-15

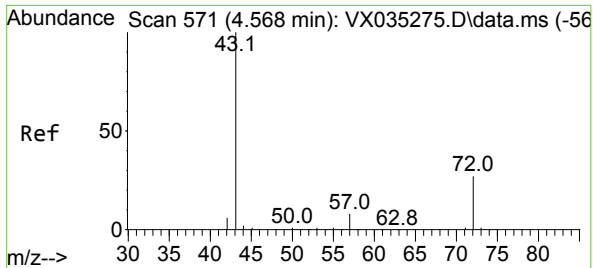
Tgt Ion: 43 Resp: 12090
Ion Ratio Lower Upper
43 100
58 29.0 24.7 37.1



#17
Carbon Disulfide
Concen: 0.418 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.001 min
Lab File: VX035462.D
Acq: 02 May 2023 00:49

Tgt Ion: 76 Resp: 2333
Ion Ratio Lower Upper
76 100
78 7.3 7.2 10.8

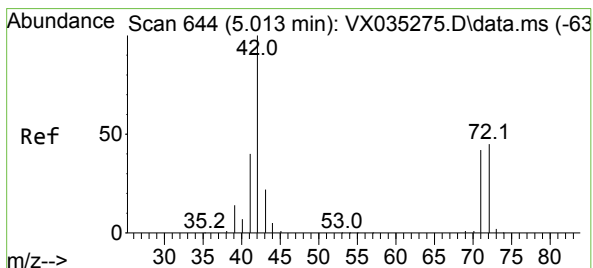
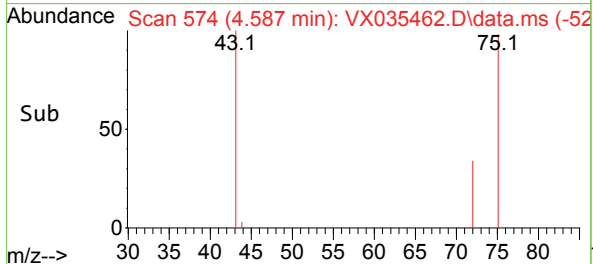
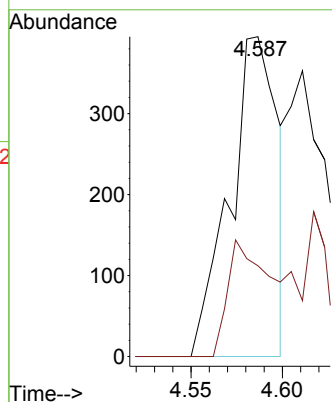
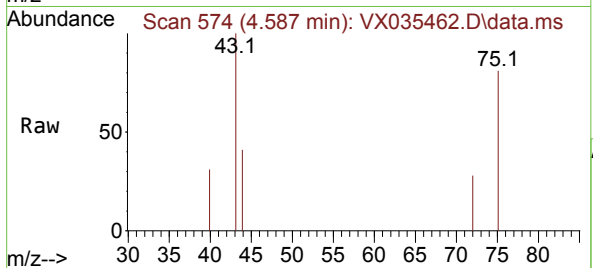




#25
2-Butanone
Concen: 0.389 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.019 min
Lab File: VX035462.D
Acq: 02 May 2023 00:49

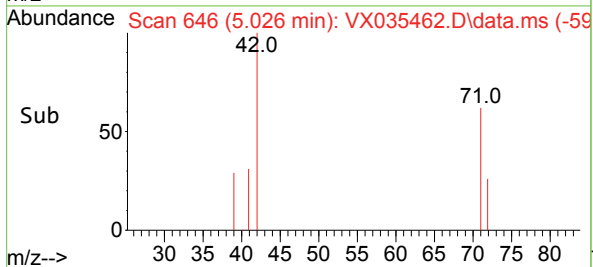
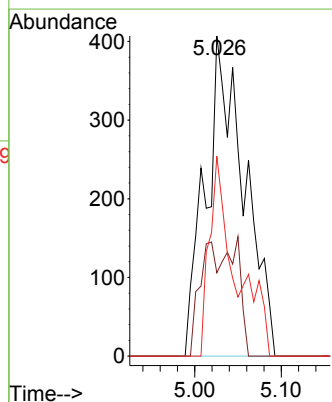
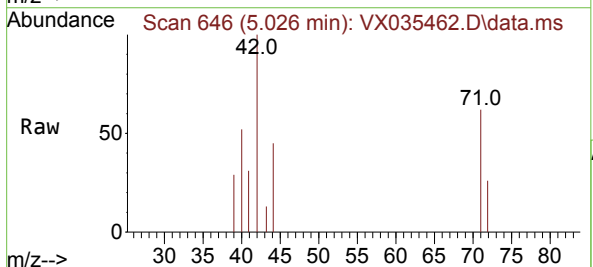
Instrument :
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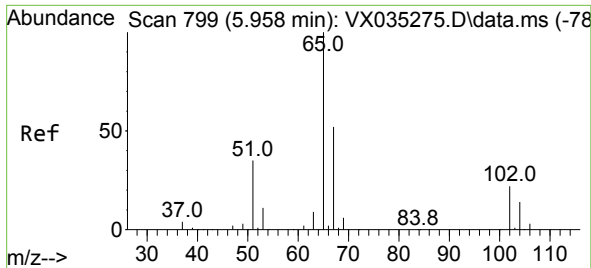
Tgt Ion: 43 Resp: 714
Ion Ratio Lower Upper
43 100
72 28.4 19.3 28.9



#29
Tetrahydrofuran
Concen: 1.063 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.013 min
Lab File: VX035462.D
Acq: 02 May 2023 00:49

Tgt Ion: 42 Resp: 1250
Ion Ratio Lower Upper
42 100
72 16.6 34.5 51.7#
71 30.5 32.1 48.1#





#33

1,2-Dichloroethane-d4

Concen: 48.343 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX035462.D

Acq: 02 May 2023 00:49

Instrument :

MSVOA_X

ClientSampleId :

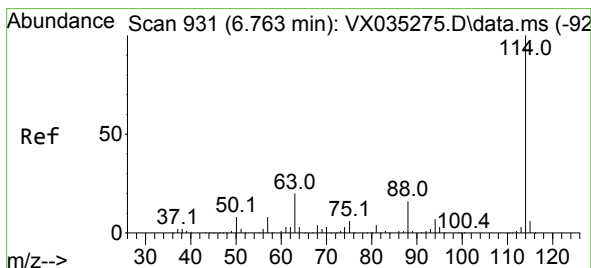
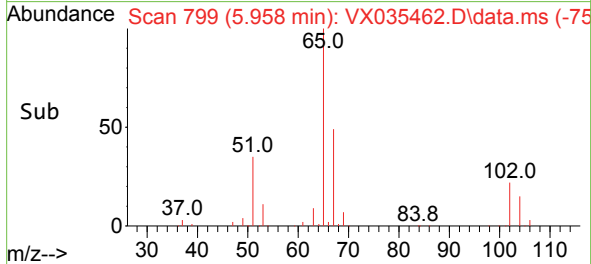
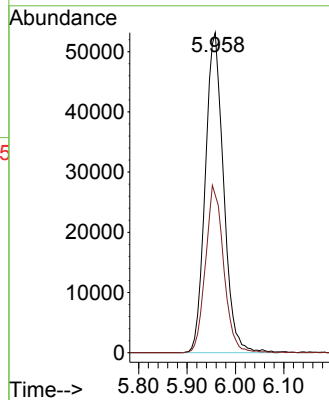
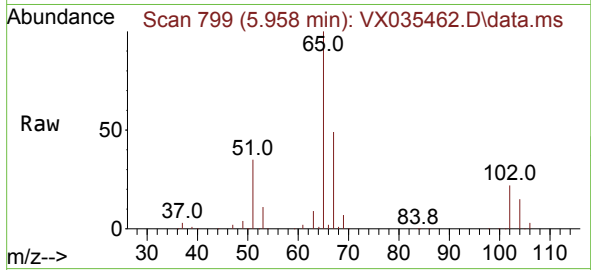
PZ-15

Tgt Ion: 65 Resp: 139857

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX035462.D

Acq: 02 May 2023 00:49

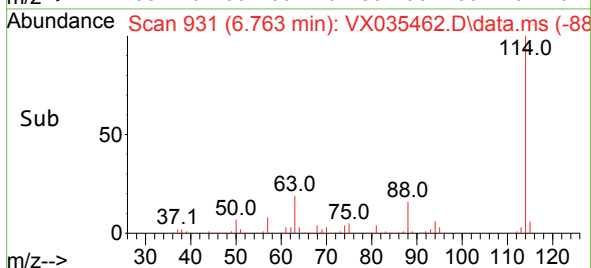
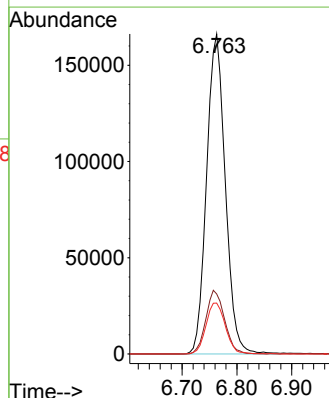
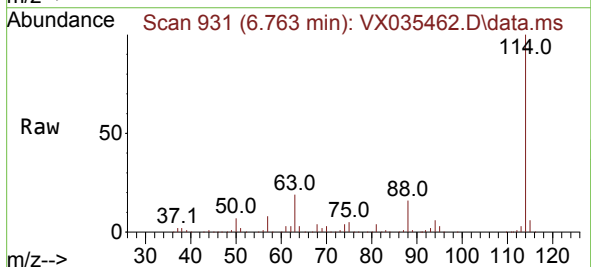
Tgt Ion: 114 Resp: 393259

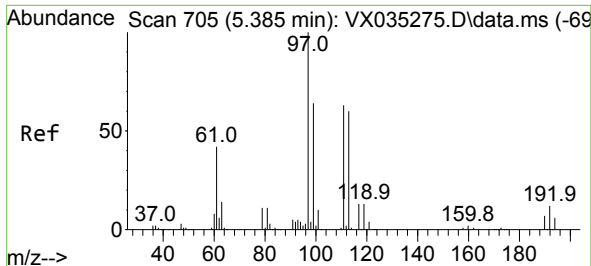
Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.2

88 15.9 0.0 33.2

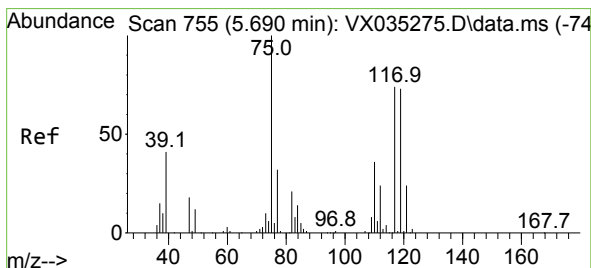
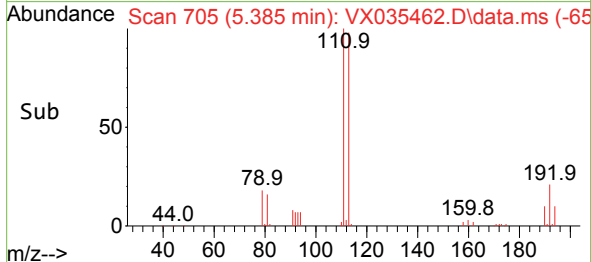
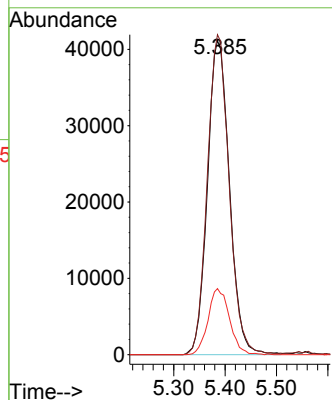
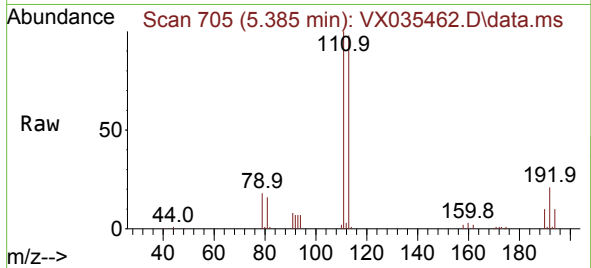




#35
 Dibromofluoromethane
 Concen: 50.655 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: VX035462.D
 Acq: 02 May 2023 00:49

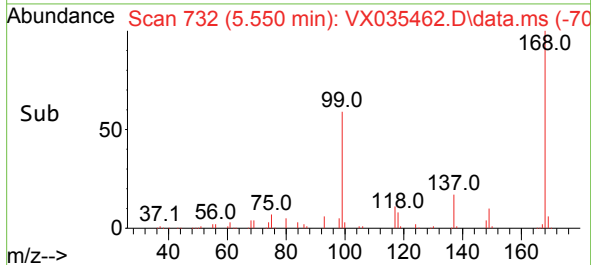
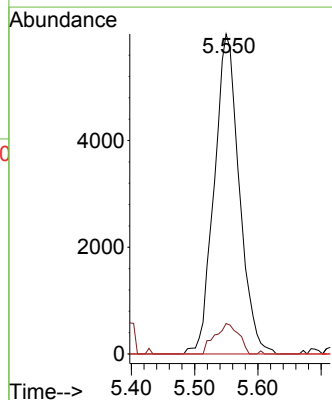
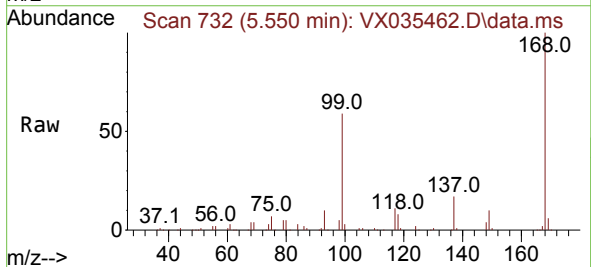
Instrument :
 MSVOA_X
 ClientSampleId :
 PZ-15

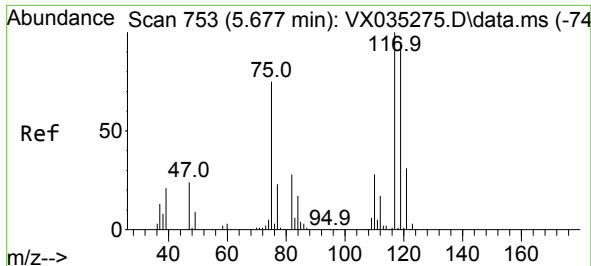
Tgt Ion:113 Resp: 122266
 Ion Ratio Lower Upper
 113 100
 111 101.0 83.7 125.5
 192 20.5 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 4.370 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.140 min
 Lab File: VX035462.D
 Acq: 02 May 2023 00:49

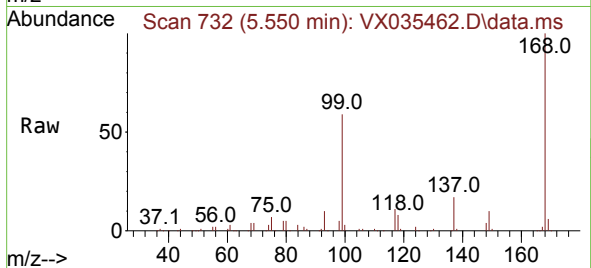
Tgt Ion: 75 Resp: 16471
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.5 52.5#
 77 0.0 24.3 36.5#



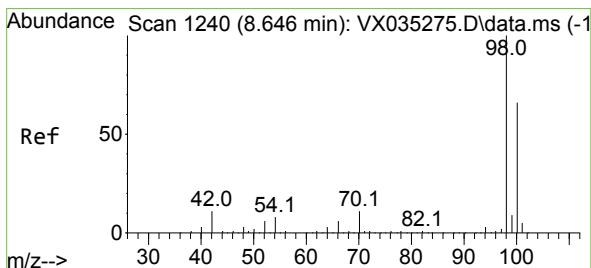
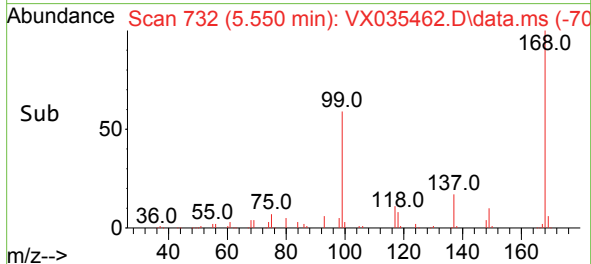
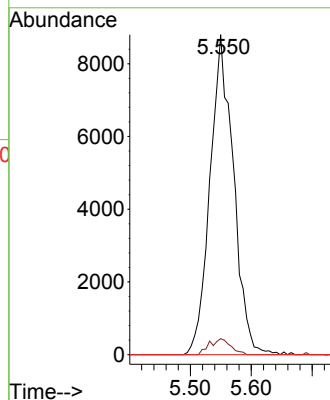


#38
Carbon Tetrachloride
Concen: 6.573 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX035462.D
Acq: 02 May 2023 00:49

Instrument :
MSVOA_X
ClientSampleId :
PZ-15

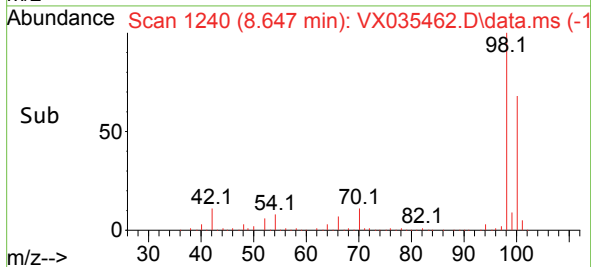
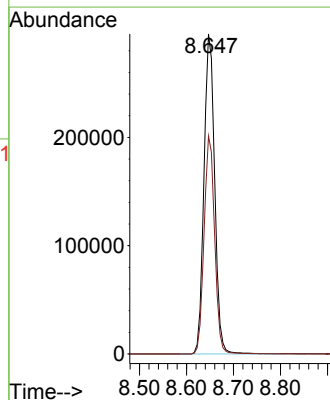
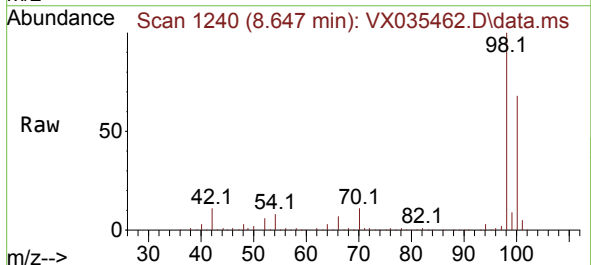


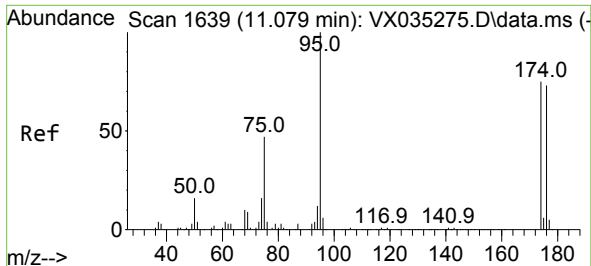
Tgt Ion:117 Resp: 23517
Ion Ratio Lower Upper
117 100
119 5.0 76.6 114.8#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 51.223 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX035462.D
Acq: 02 May 2023 00:49

Tgt Ion: 98 Resp: 466400
Ion Ratio Lower Upper
98 100
100 67.3 52.5 78.7

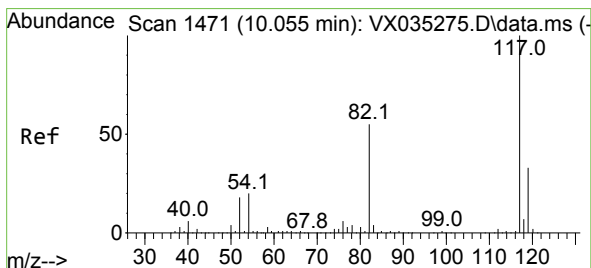
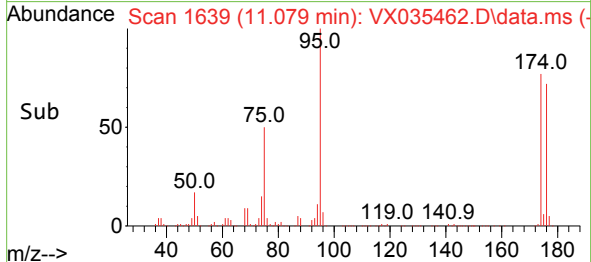
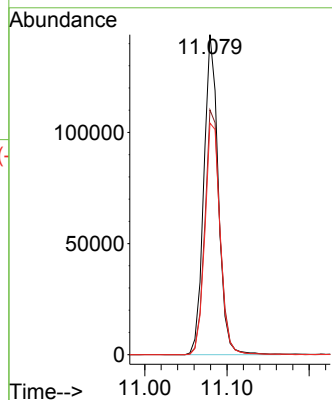
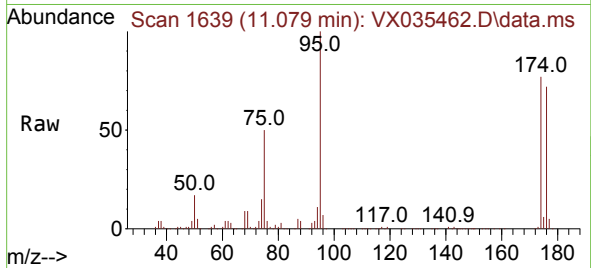




#62
4-Bromofluorobenzene
Concen: 51.362 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX035462.D
Acq: 02 May 2023 00:49

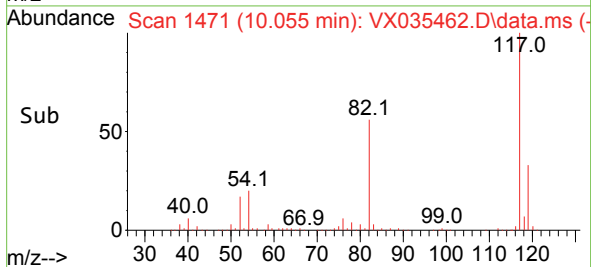
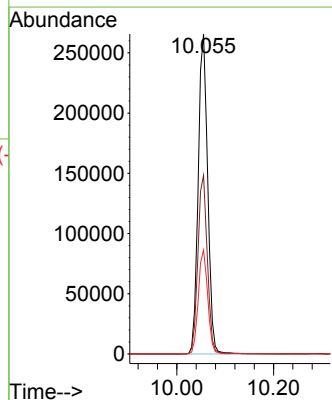
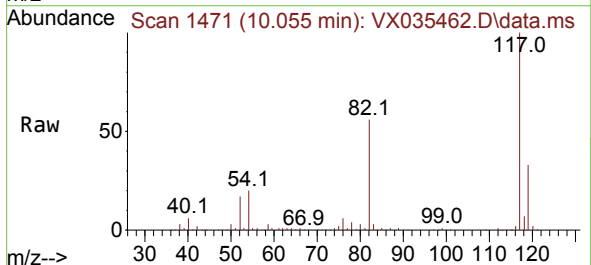
Instrument :
MSVOA_X
ClientSampleId :
PZ-15

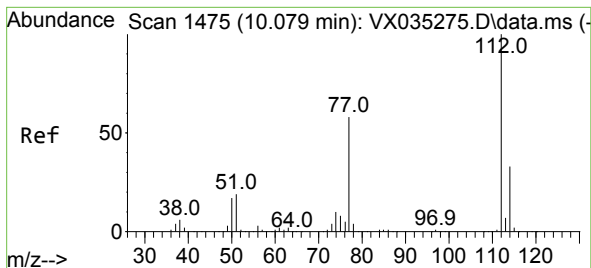
Tgt Ion: 95 Resp: 175927
Ion Ratio Lower Upper
95 100
174 79.8 0.0 147.4
176 76.8 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035462.D
Acq: 02 May 2023 00:49

Tgt Ion: 117 Resp: 360660
Ion Ratio Lower Upper
117 100
82 55.9 45.0 67.4
119 32.5 26.0 39.0

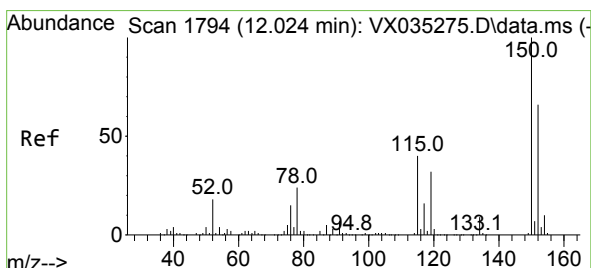
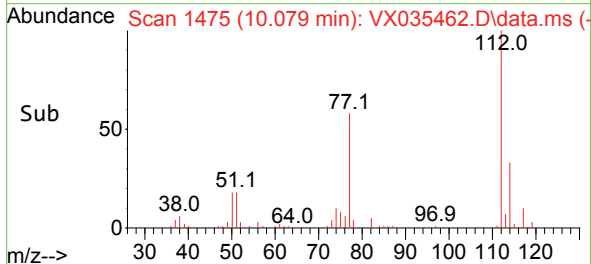
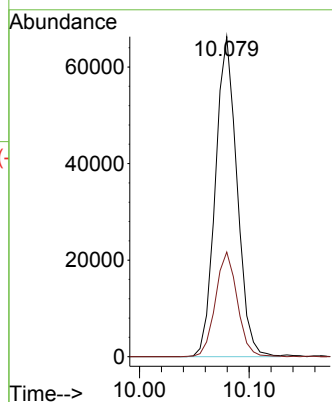
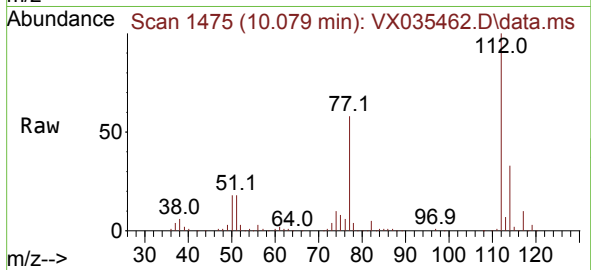




#65
Chlorobenzene
Concen: 11.649 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX035462.D
Acq: 02 May 2023 00:49

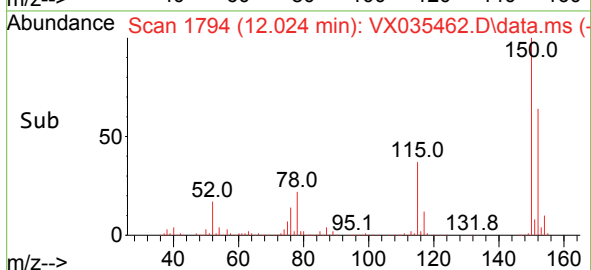
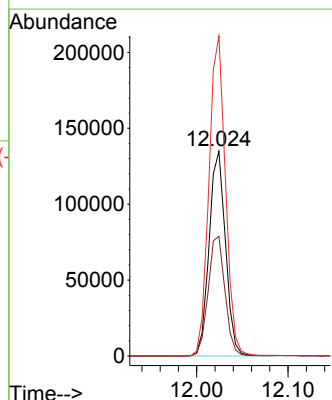
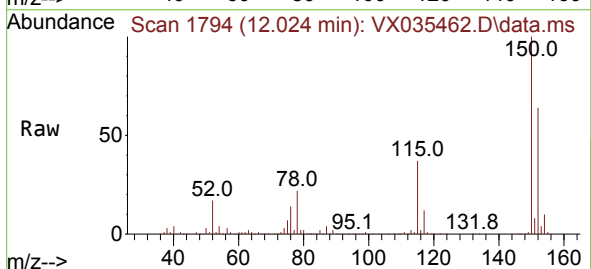
Instrument :
MSVOA_X
ClientSampleId :
PZ-15

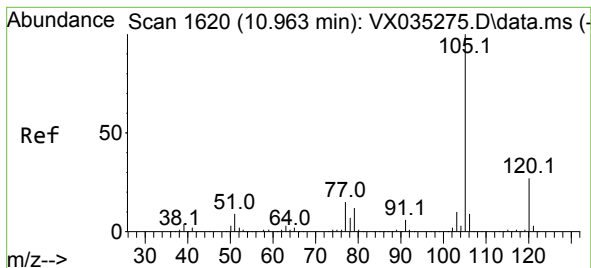
Tgt Ion:112 Resp: 90897
Ion Ratio Lower Upper
112 100
114 32.7 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035462.D
Acq: 02 May 2023 00:49

Tgt Ion:152 Resp: 167957
Ion Ratio Lower Upper
152 100
115 60.0 45.0 135.0
150 157.6 0.0 352.4





#73

Isopropylbenzene

Concen: 0.554 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX035462.D

Acq: 02 May 2023 00:49

Instrument :

MSVOA_X

ClientSampleId :

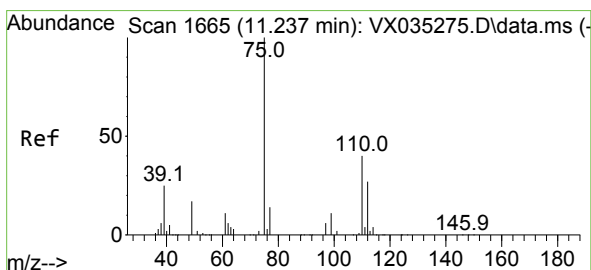
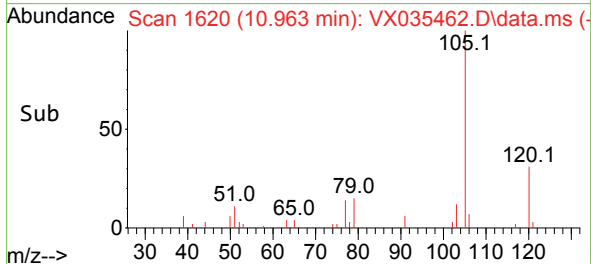
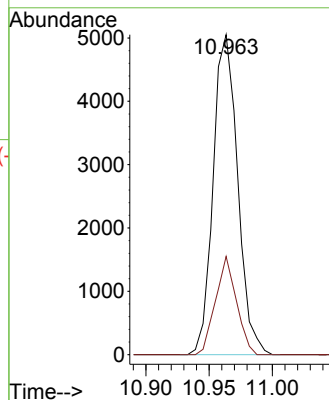
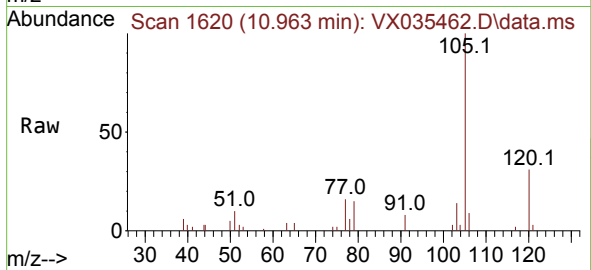
PZ-15

Tgt Ion:105 Resp: 6799

Ion Ratio Lower Upper

105 100

120 26.2 13.3 39.9



#76

1,2,3-Trichloropropane

Concen: 25.744 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX035462.D

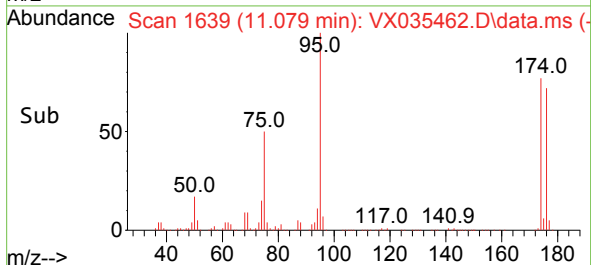
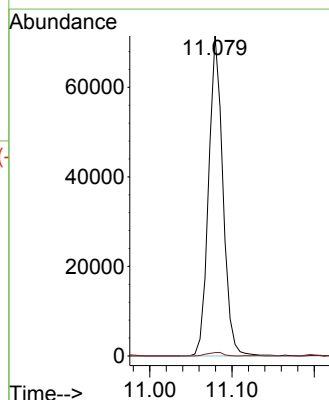
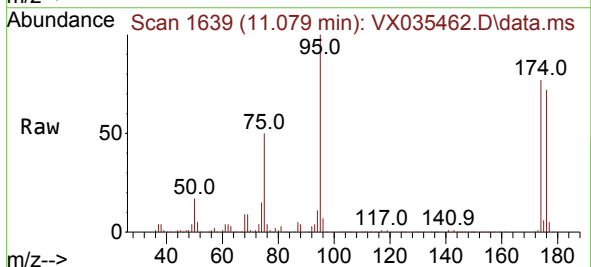
Acq: 02 May 2023 00:49

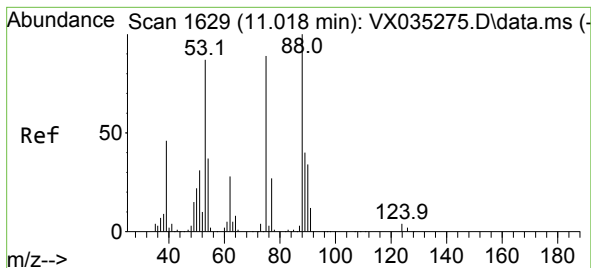
Tgt Ion: 75 Resp: 86251

Ion Ratio Lower Upper

75 100

77 1.2 21.6 64.8#

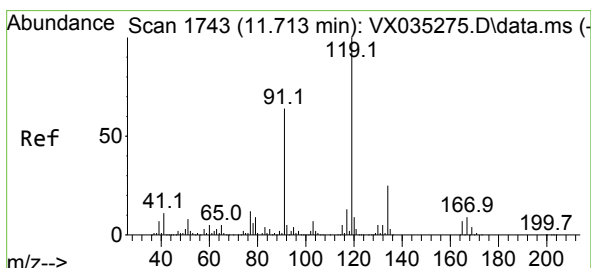
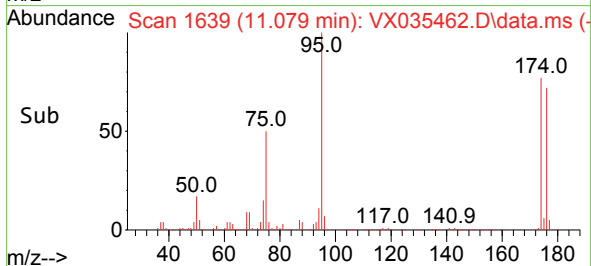
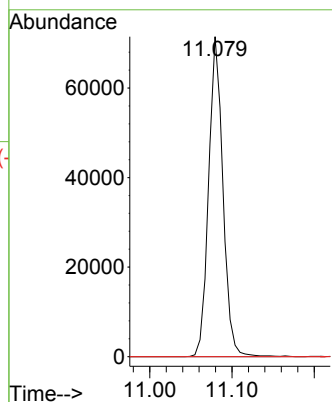
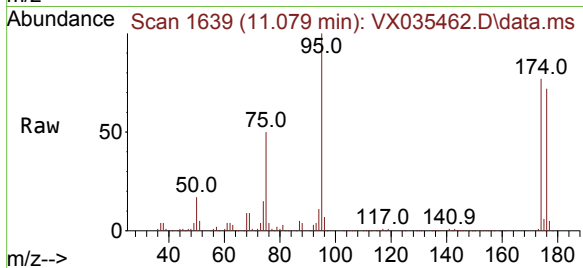




#81
trans-1,4-Dichloro-2-butene
Concen: 83.379 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX035462.D
Acq: 02 May 2023 00:49

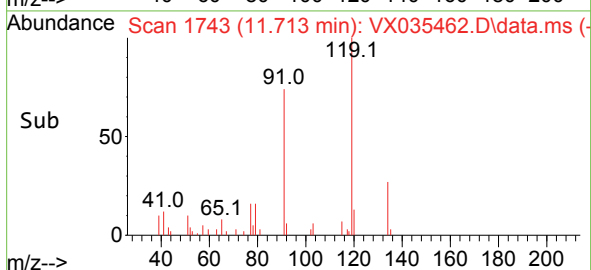
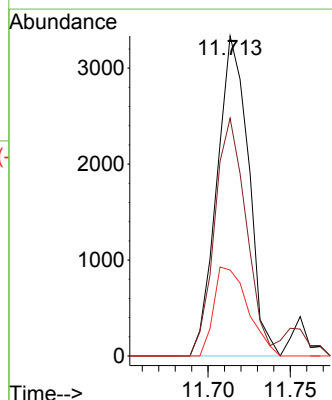
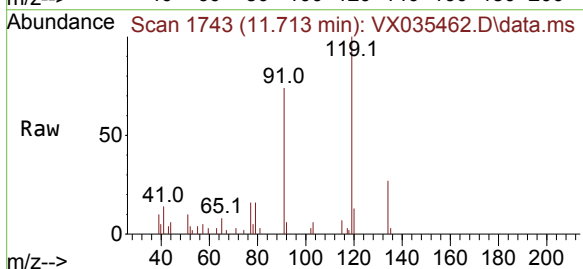
Instrument :
MSVOA_X
ClientSampleId :
PZ-15

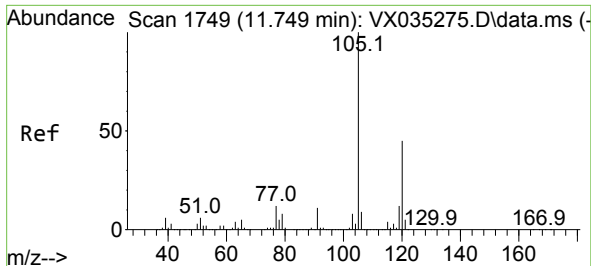
Tgt Ion: 75 Resp: 86251
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#



#83
tert-Butylbenzene
Concen: 0.428 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX035462.D
Acq: 02 May 2023 00:49

Tgt Ion: 119 Resp: 4450
Ion Ratio Lower Upper
119 100
91 74.4 30.6 92.0
134 29.9 11.8 35.4

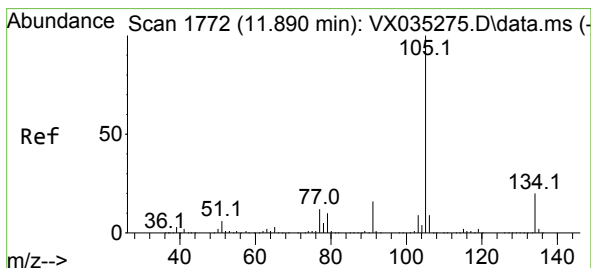
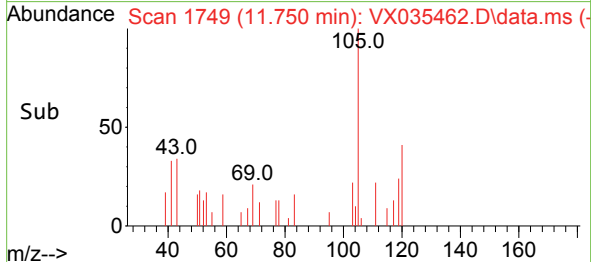
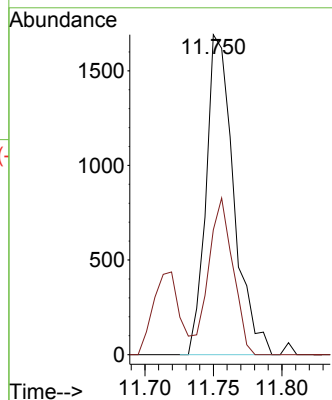
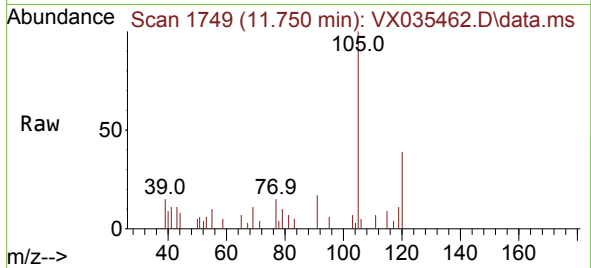




#84
1,2,4-Trimethylbenzene
Concen: 0.228 ug/l
RT: 11.750 min Scan# 11749
Delta R.T. 0.001 min
Lab File: VX035462.D
Acq: 02 May 2023 00:49

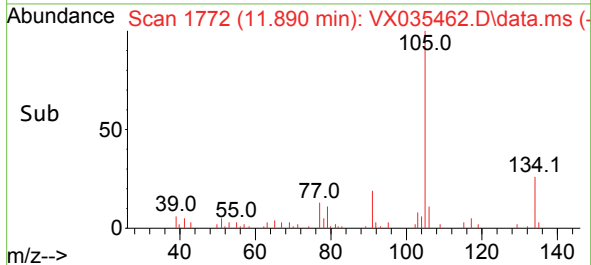
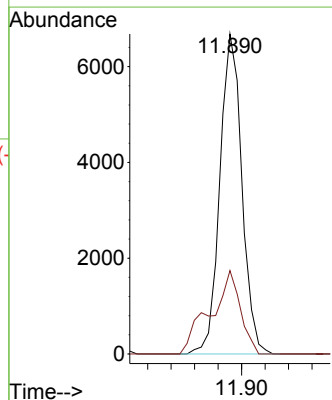
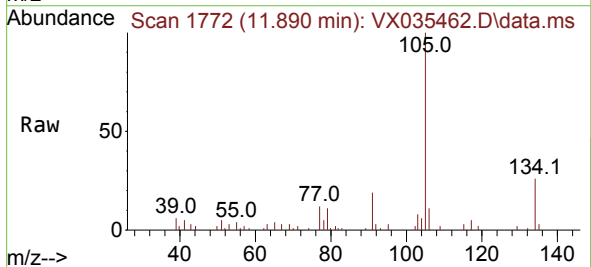
Instrument :
MSVOA_X
ClientSampleId :
PZ-15

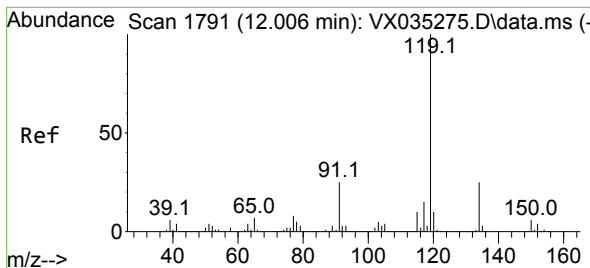
Tgt Ion:105 Resp: 2374
Ion Ratio Lower Upper
105 100
120 43.3 22.4 67.0



#85
sec-Butylbenzene
Concen: 0.681 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX035462.D
Acq: 02 May 2023 00:49

Tgt Ion:105 Resp: 8681
Ion Ratio Lower Upper
105 100
134 35.6 10.2 30.4#





#86

p-Isopropyltoluene

Concen: 0.602 ug/l

RT: 12.177 min Scan# 11

Delta R.T. 0.171 min

Lab File: VX035462.D

Acq: 02 May 2023 00:49

Instrument :

MSVOA_X

ClientSampleId :

PZ-15

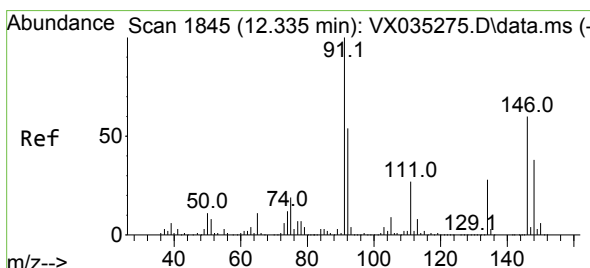
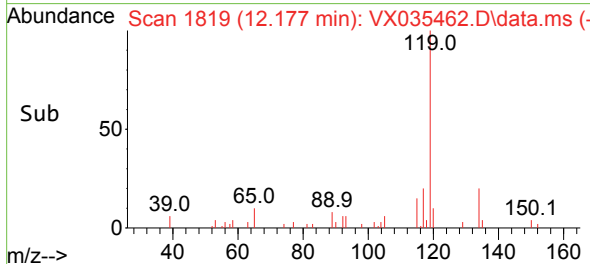
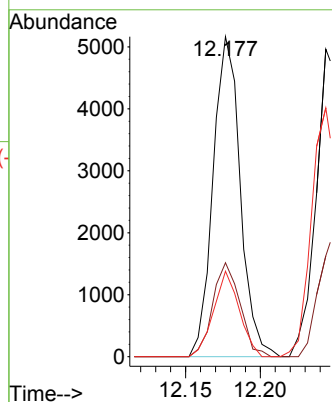
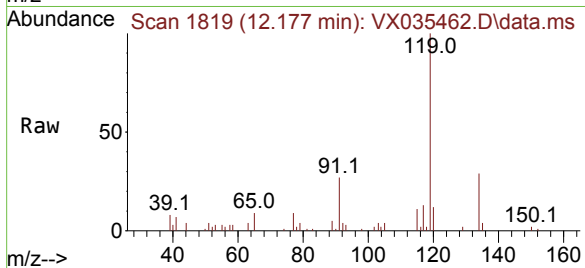
Tgt Ion:119 Resp: 6518

Ion Ratio Lower Upper

119 100

134 29.4 13.2 39.5

91 25.3 12.9 38.7



#89

n-Butylbenzene

Concen: 0.379 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX035462.D

Acq: 02 May 2023 00:49

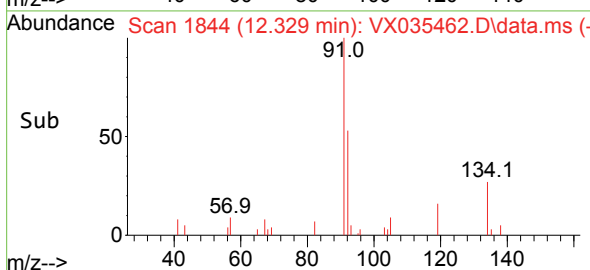
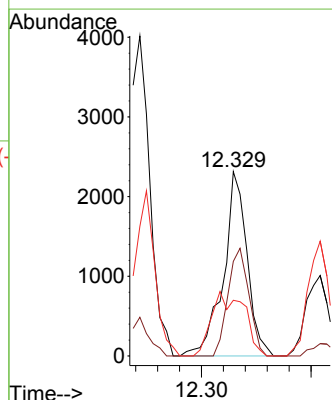
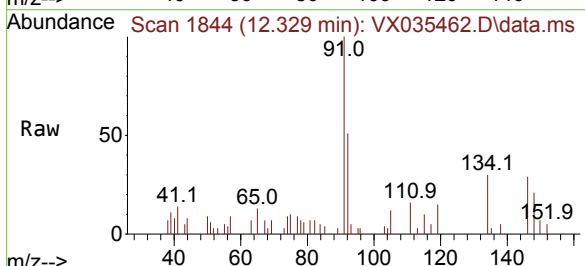
Tgt Ion: 91 Resp: 3467

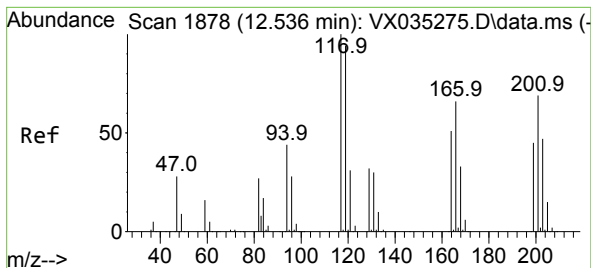
Ion Ratio Lower Upper

91 100

92 51.9 27.7 83.0

134 48.1 13.0 38.9#





#90

Hexachloroethane

Concen: 1.363 ug/l

RT: 12.610 min Scan# 1890

Delta R.T. 0.074 min

Lab File: VX035462.D

Acq: 02 May 2023 00:49

Instrument :

MSVOA_X

ClientSampleId :

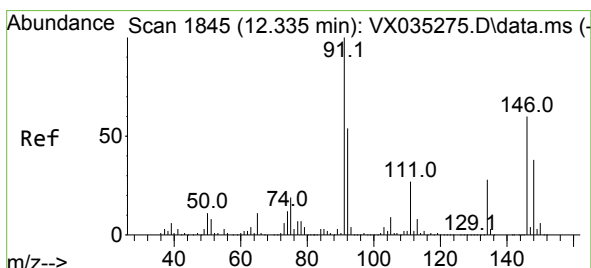
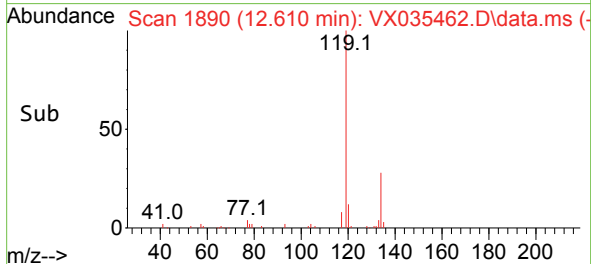
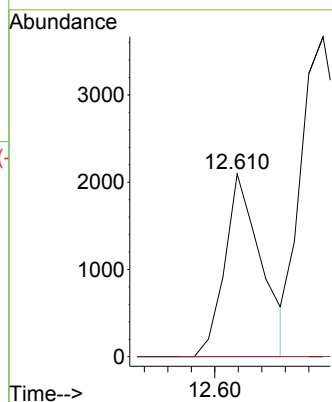
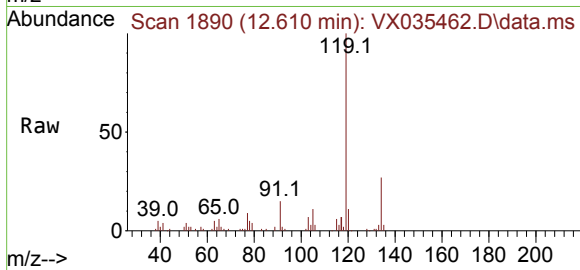
PZ-15

Tgt Ion:117 Resp: 2261

Ion Ratio Lower Upper

117 100

201 0.0 34.4 103.1#



#91

1,2-Dichlorobenzene

Concen: 0.258 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX035462.D

Acq: 02 May 2023 00:49

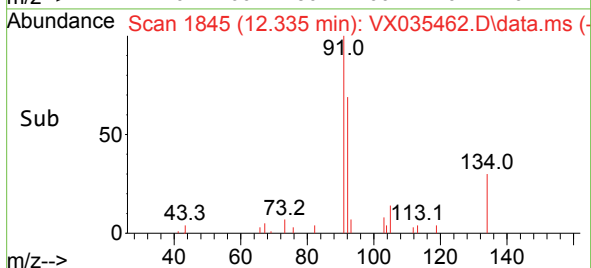
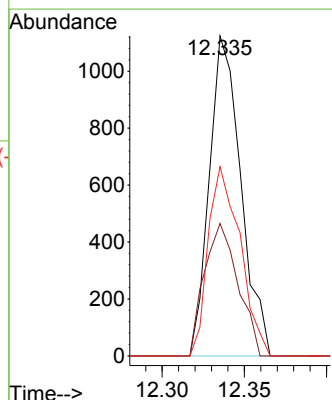
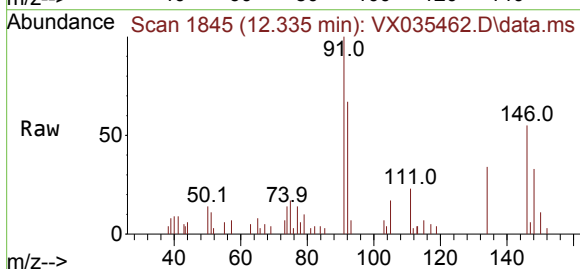
Tgt Ion:146 Resp: 1496

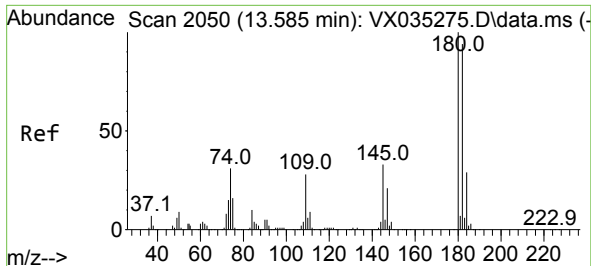
Ion Ratio Lower Upper

146 100

111 44.1 22.0 66.0

148 60.0 32.0 96.0

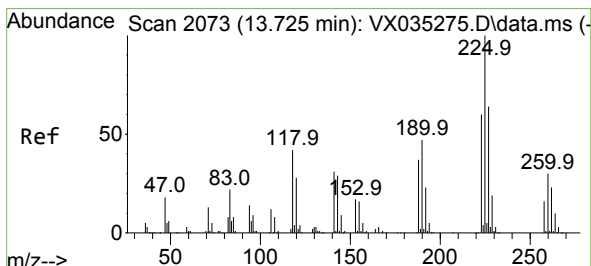
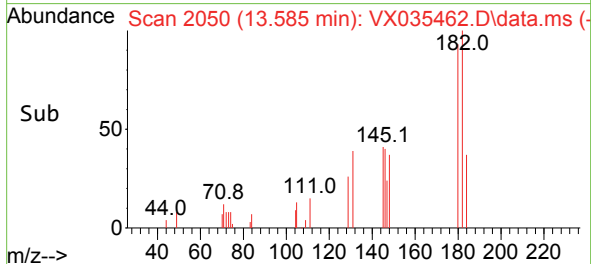
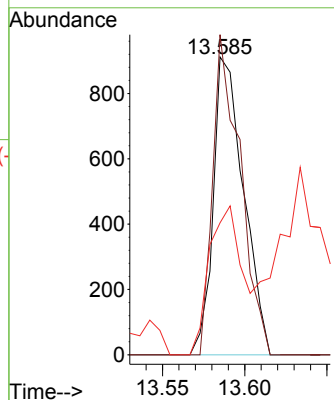
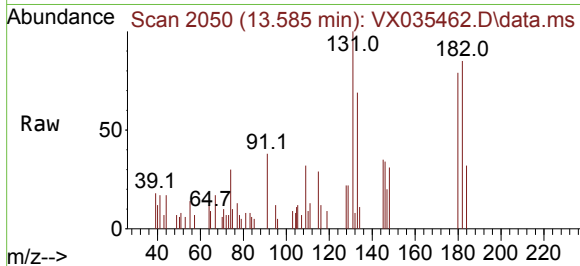




#93
 1,2,4-Trichlorobenzene
 Concen: 0.321 ug/l
 RT: 13.585 min Scan# 2050
 Delta R.T. -0.000 min
 Lab File: VX035462.D
 Acq: 02 May 2023 00:49

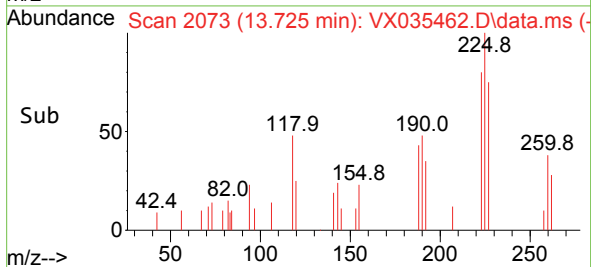
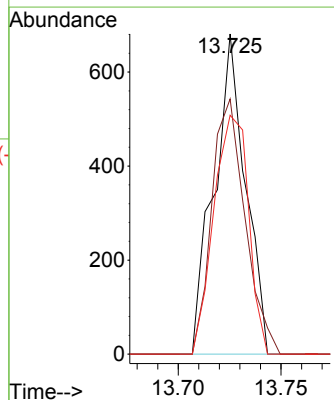
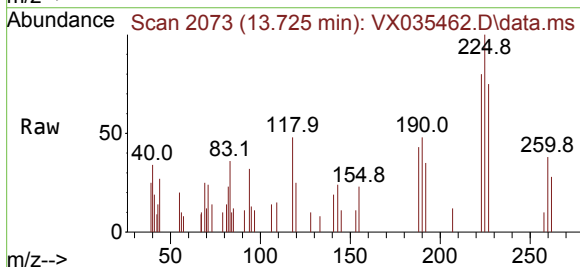
Instrument :
 MSVOA_X
 ClientSampleId :
 PZ-15

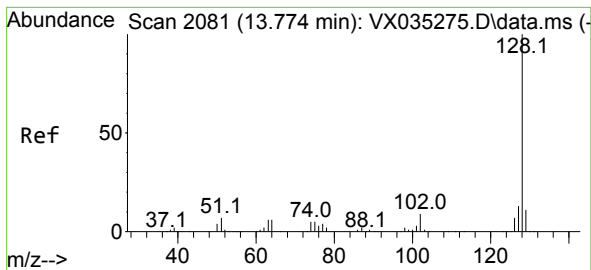
Tgt Ion:180 Resp: 1169
 Ion Ratio Lower Upper
 180 100
 182 97.5 47.0 141.0
 145 54.6 15.9 47.7#



#94
 Hexachlorobutadiene
 Concen: 0.451 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: VX035462.D
 Acq: 02 May 2023 00:49

Tgt Ion:225 Resp: 722
 Ion Ratio Lower Upper
 225 100
 223 84.8 32.1 96.5
 227 82.7 31.8 95.4





#95

Naphthalene

Concen: 0.695 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX035462.D

Acq: 02 May 2023 00:49

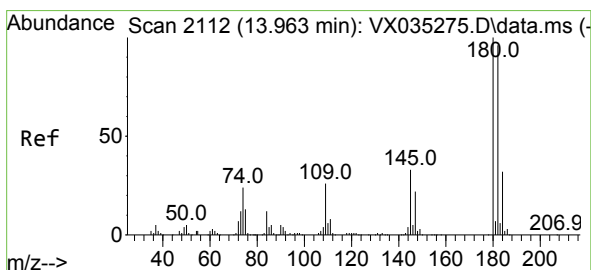
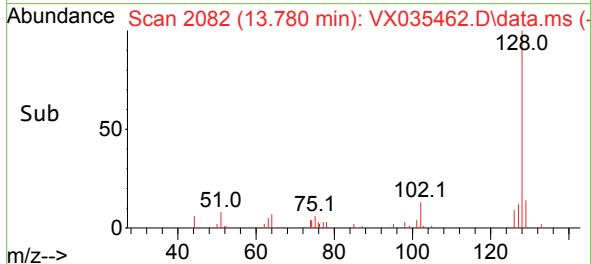
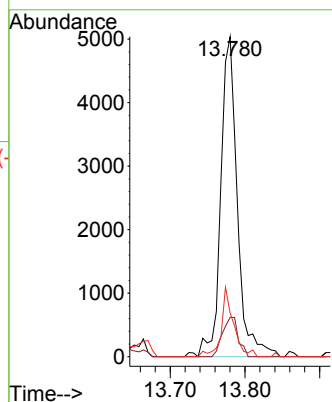
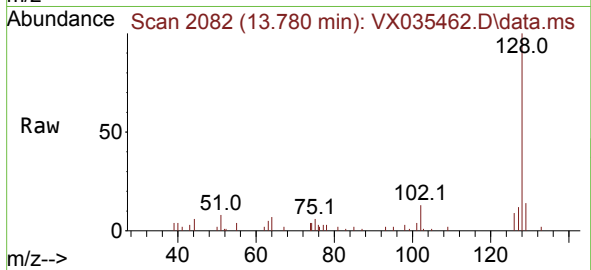
Instrument :

MSVOA_X

ClientSampleId :

PZ-15

Tgt Ion:128	Resp:	7804
Ion	Ratio	Lower Upper
128	100	
127	11.7	10.2 15.4
129	16.0	8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 0.281 ug/l

RT: 13.969 min Scan# 2113

Delta R.T. 0.006 min

Lab File: VX035462.D

Acq: 02 May 2023 00:49

Tgt Ion:180	Resp:	1030
Ion	Ratio	Lower Upper
180	100	
182	82.9	48.0 144.2
145	63.8	17.7 53.1#

