

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050223\
 Data File : VX035480.D
 Acq On : 02 May 2023 15:35
 Operator : JC/MD
 Sample : 02521-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PZ-15

Quant Time: May 03 03:16:23 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)

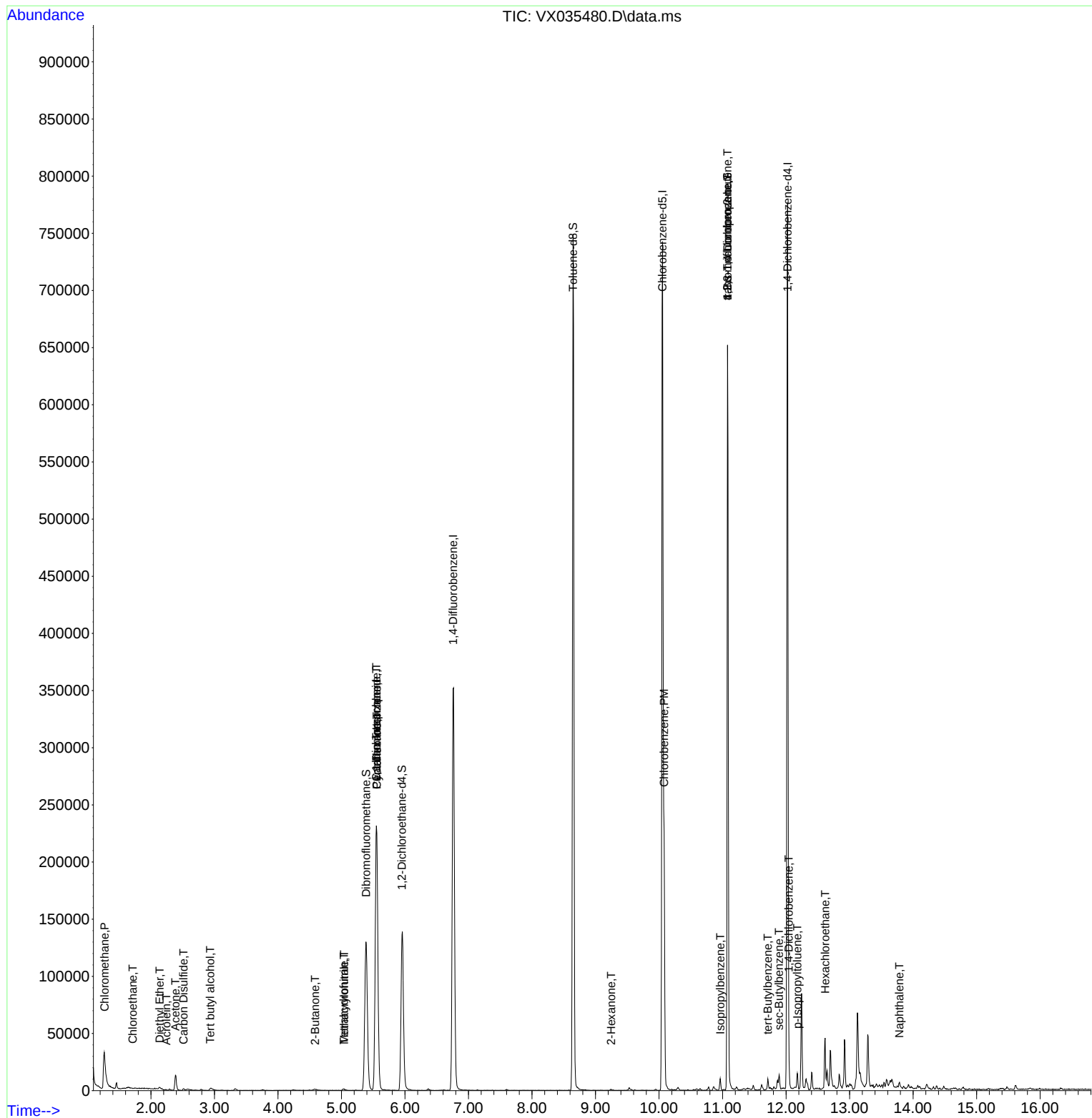
Internal Standards						
1) Pentafluorobenzene	5.556	168	234153	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	376409	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	347920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	171803	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	137645	48.725	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.460%
35) Dibromofluoromethane	5.385	113	116776	50.546	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.100%
50) Toluene-d8	8.647	98	441027	50.605	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.200%
62) 4-Bromofluorobenzene	11.079	95	177925	54.270	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	108.540%
Target Compounds						
					Qvalue	
3) Chloromethane	1.270	50	1381	0.613	ug/l #	42
6) Chloroethane	1.715	64	382	0.289	ug/l #	42
8) Diethyl Ether	2.136	74	359	0.279	ug/l #	1
11) Tert butyl alcohol	2.934	59	1489	2.895	ug/l #	73
13) Acrolein	2.239	56	117	0.231	ug/l #	51
16) Acetone	2.386	43	13323	10.859	ug/l	98
17) Carbon Disulfide	2.514	76	1879	0.345	ug/l	99
25) 2-Butanone	4.587	43	871	0.486	ug/l	99
29) Tetrahydrofuran	5.038	42	1162	1.012	ug/l #	84
31) Cyclohexane	5.556	56	4348	1.085	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	16178	4.485	ug/l #	51
38) Carbon Tetrachloride	5.550	117	23360	6.821	ug/l #	16
41) Methacrylonitrile	5.044	41	537	0.284	ug/l #	33
59) 2-Hexanone	9.244	43	608	0.238	ug/l	85
65) Chlorobenzene	10.079	112	94111	12.503	ug/l	98
73) Isopropylbenzene	10.963	105	5485	0.437	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	86445	25.224	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	86445	81.696	ug/l #	8
83) tert-Butylbenzene	11.713	119	3434	0.323	ug/l	89
85) sec-Butylbenzene	11.890	105	6147	0.472	ug/l	95
86) p-Isopropyltoluene	12.177	119	6114	0.552	ug/l	92
88) 1,4-Dichlorobenzene	12.043	146	6947	1.117	ug/l #	78
90) Hexachloroethane	12.616	117	2235	1.317	ug/l #	15
95) Naphthalene	13.786	128	2834	0.247	ug/l #	95

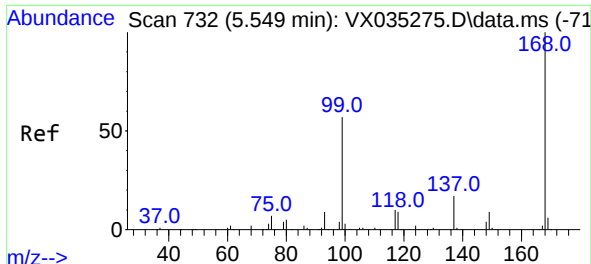
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050223\
Data File : VX035480.D
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Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
MSVOA_X
ClientSampleId :
PZ-15

Quant Time: May 03 03:16:23 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

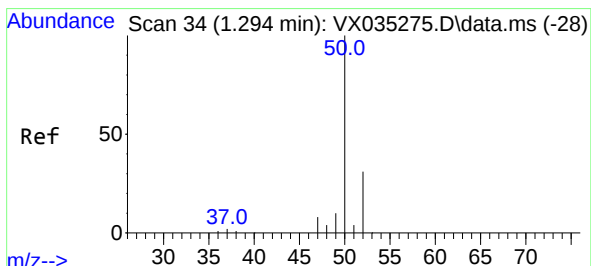
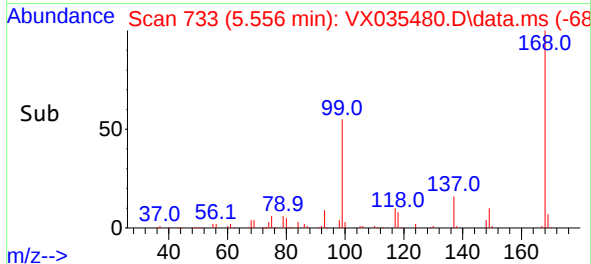
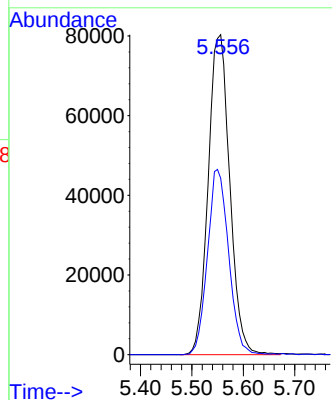
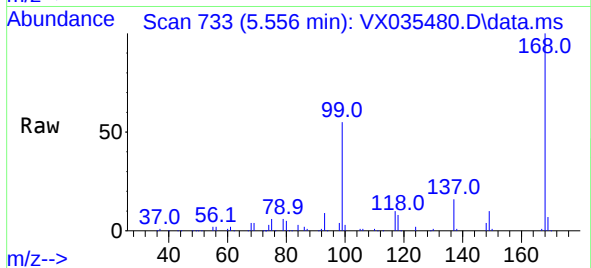




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX035480.D
Acq: 02 May 2023 15:35

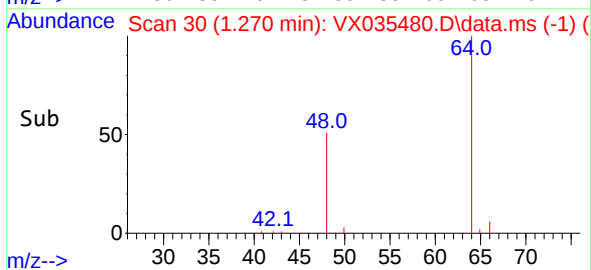
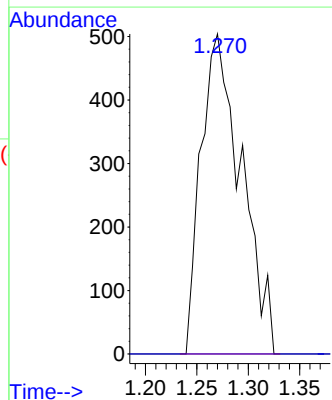
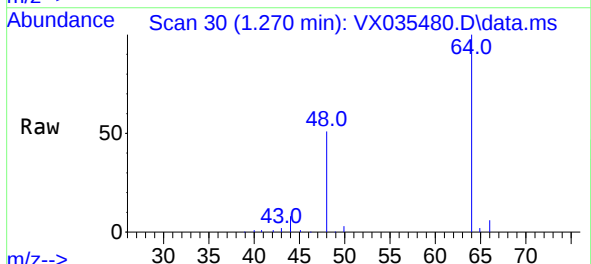
Instrument :
MSVOA_X
ClientSampleId :
PZ-15

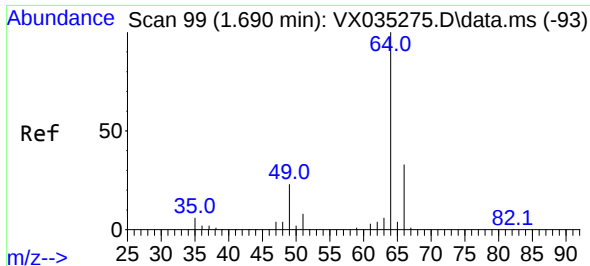
Tgt Ion:168 Resp: 234153
Ion Ratio Lower Upper
168 100
99 55.1 45.7 68.5



#3
Chloromethane
Concen: 0.613 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.024 min
Lab File: VX035480.D
Acq: 02 May 2023 15:35

Tgt Ion: 50 Resp: 1381
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

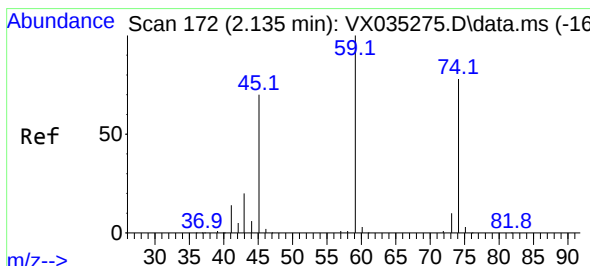
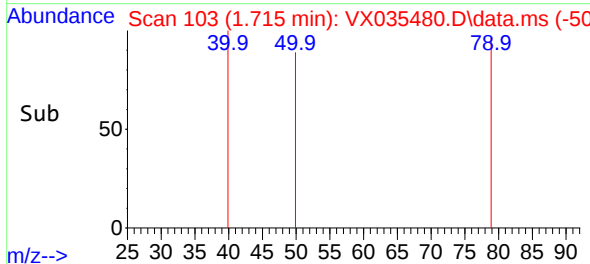
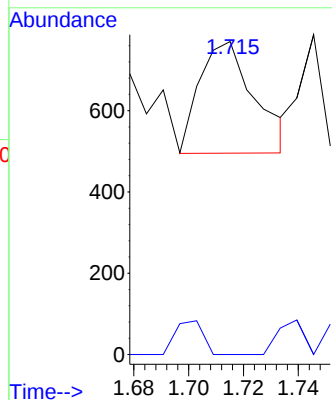
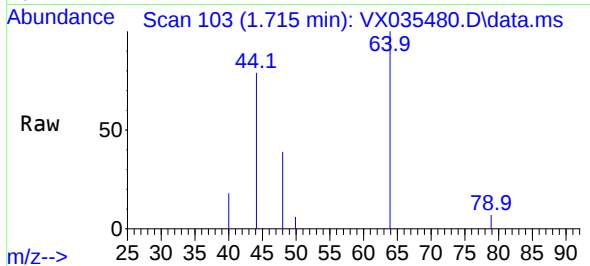




#6
Chloroethane
Concen: 0.289 ug/l
RT: 1.715 min Scan# 103
Delta R.T. 0.025 min
Lab File: VX035480.D
Acq: 02 May 2023 15:35

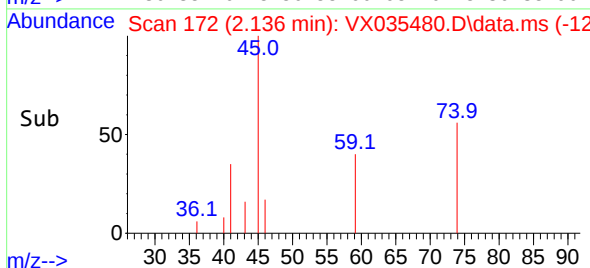
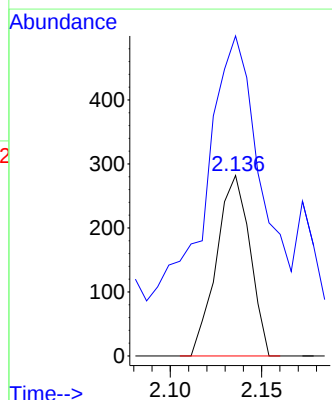
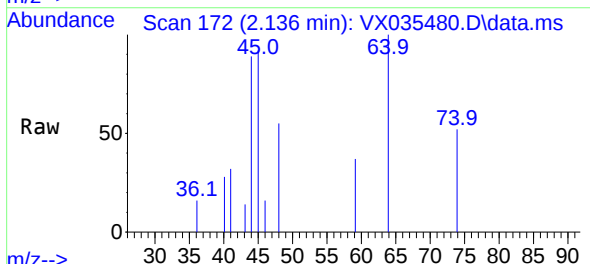
Instrument :
MSVOA_X
ClientSampleId :
PZ-15

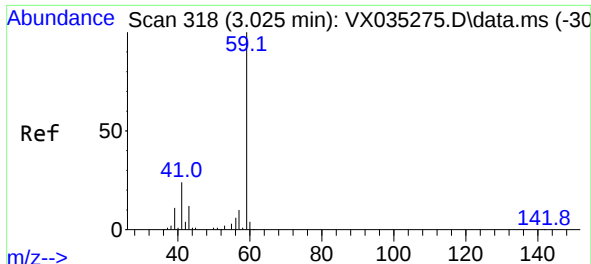
Tgt Ion: 64 Resp: 382
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#8
Diethyl Ether
Concen: 0.279 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.001 min
Lab File: VX035480.D
Acq: 02 May 2023 15:35

Tgt Ion: 74 Resp: 359
Ion Ratio Lower Upper
74 100
45 261.6 49.8 149.3#

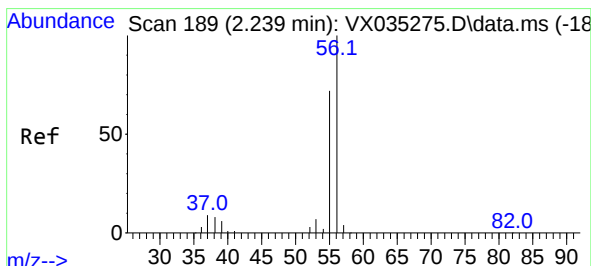
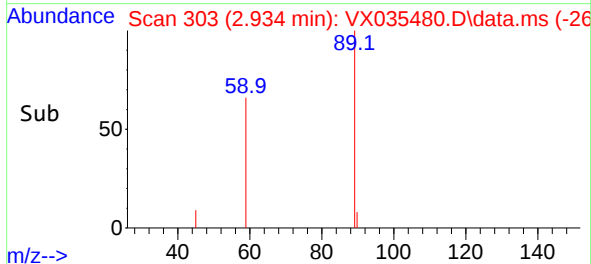
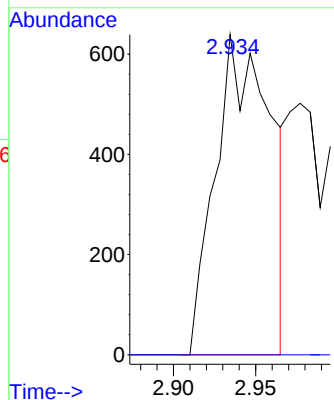
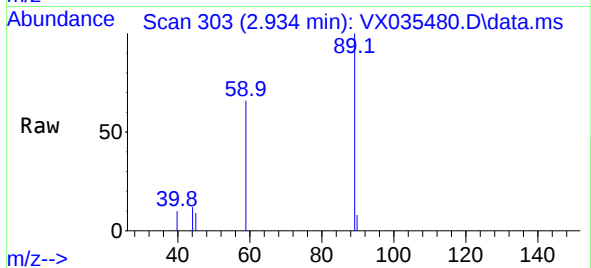




#11
Tert butyl alcohol
Concen: 2.895 ug/l
RT: 2.934 min Scan# 30
Delta R.T. -0.091 min
Lab File: VX035480.D
Acq: 02 May 2023 15:35

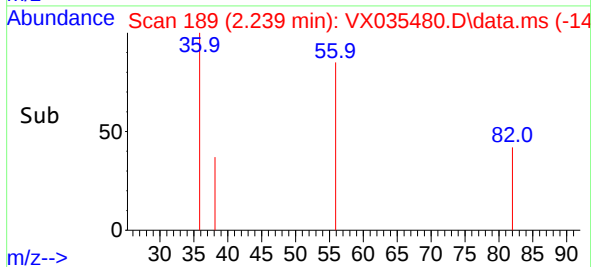
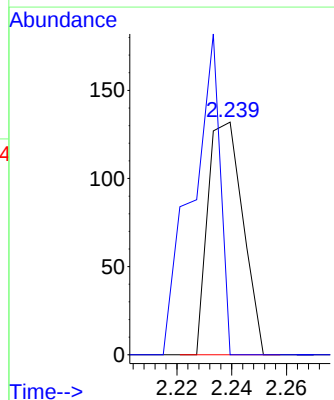
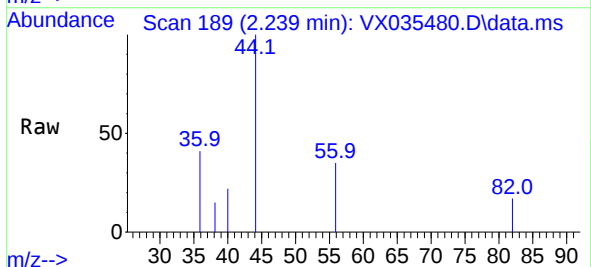
Instrument :
MSVOA_X
ClientSampleId :
PZ-15

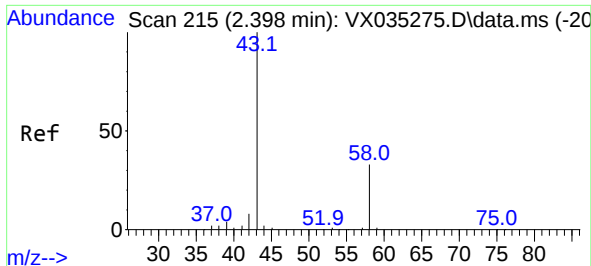
Tgt Ion: 59 Resp: 1489
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: 0.231 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX035480.D
Acq: 02 May 2023 15:35

Tgt Ion: 56 Resp: 117
Ion Ratio Lower Upper
56 100
55 111.1 56.6 85.0#

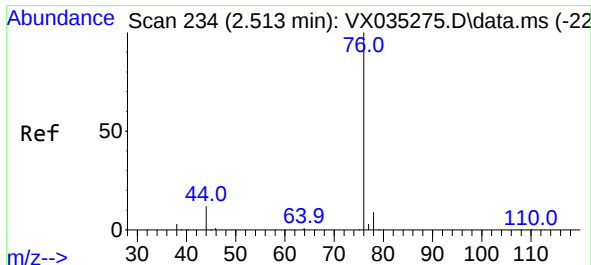
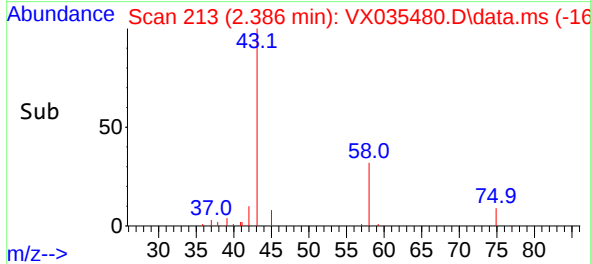
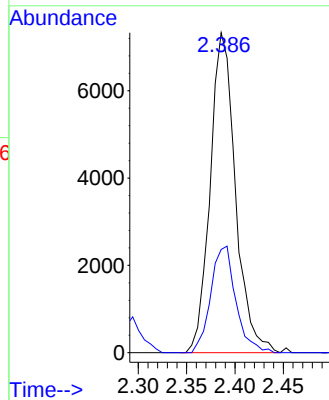
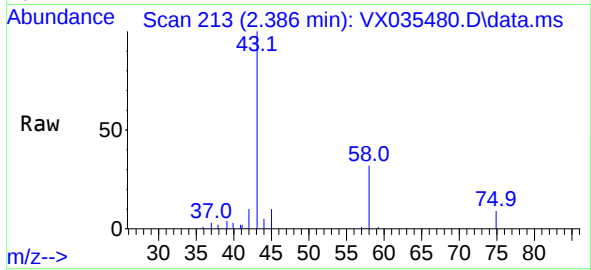




#16
Acetone
Concen: 10.859 ug/l
RT: 2.386 min Scan# 215
Delta R.T. -0.012 min
Lab File: VX035480.D
Acq: 02 May 2023 15:35

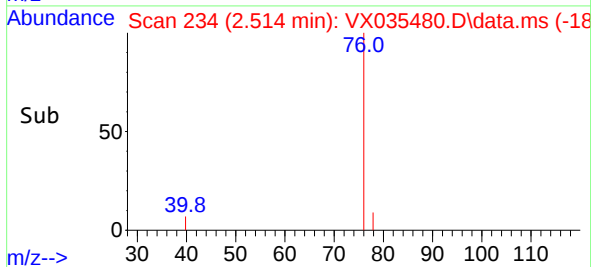
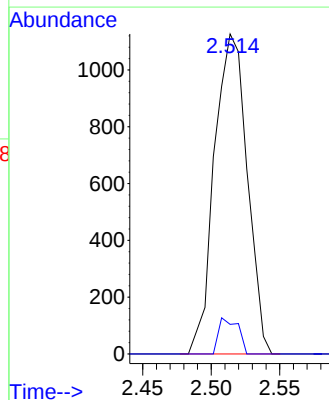
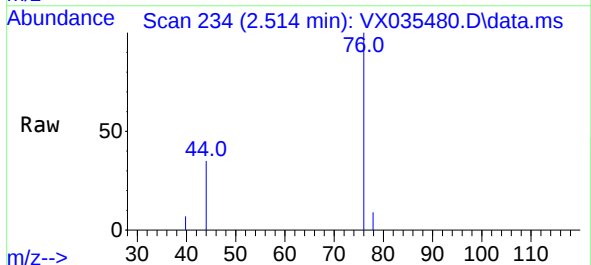
Instrument :
MSVOA_X
ClientSampleId :
PZ-15

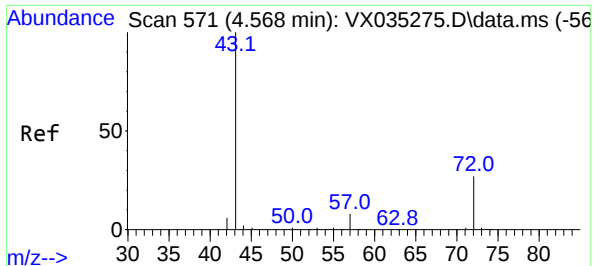
Tgt Ion: 43 Resp: 13323
Ion Ratio Lower Upper
43 100
58 32.2 24.7 37.1



#17
Carbon Disulfide
Concen: 0.345 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.001 min
Lab File: VX035480.D
Acq: 02 May 2023 15:35

Tgt Ion: 76 Resp: 1879
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8





#25

2-Butanone

Concen: 0.486 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.019 min

Lab File: VX035480.D

Acq: 02 May 2023 15:35

Instrument :

MSVOA_X

ClientSampleId :

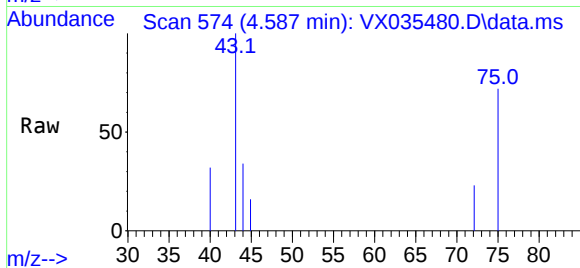
PZ-15

Tgt Ion: 43 Resp: 871

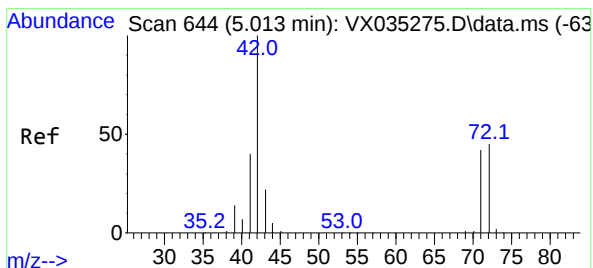
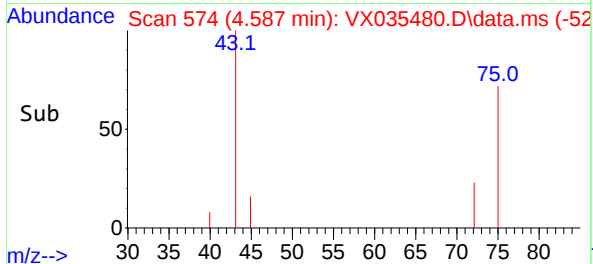
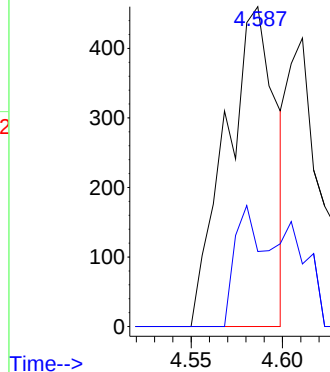
Ion Ratio Lower Upper

43 100

72 23.5 19.3 28.9



Abundance



#29

Tetrahydrofuran

Concen: 1.012 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.025 min

Lab File: VX035480.D

Acq: 02 May 2023 15:35

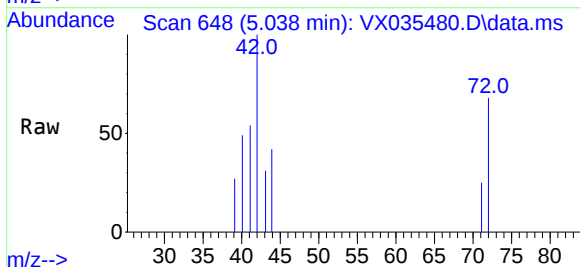
Tgt Ion: 42 Resp: 1162

Ion Ratio Lower Upper

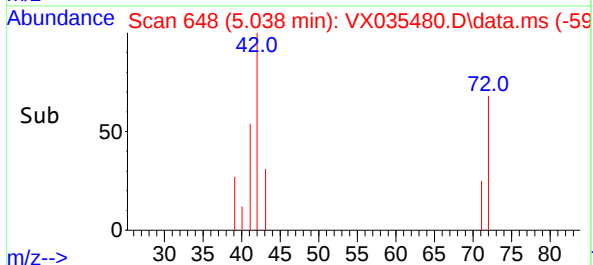
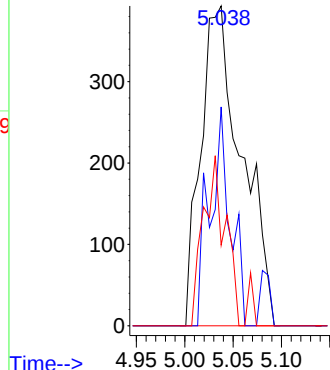
42 100

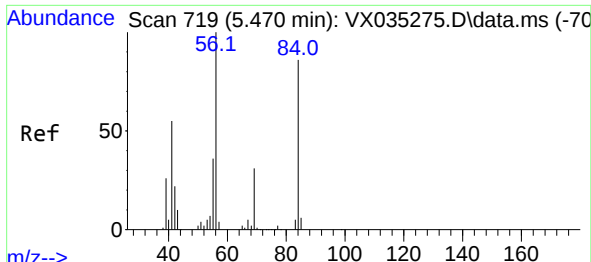
72 34.0 34.5 51.7#

71 28.5 32.1 48.1#



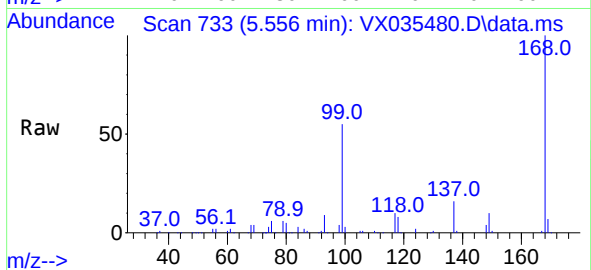
Abundance



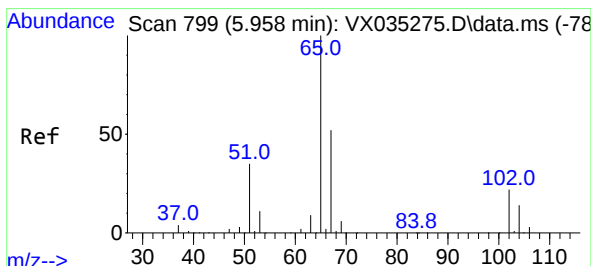
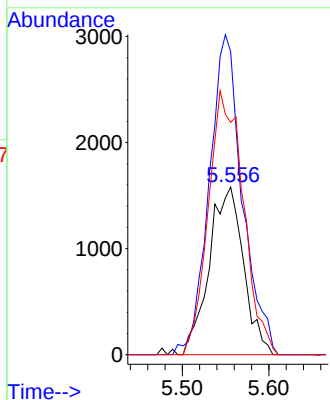
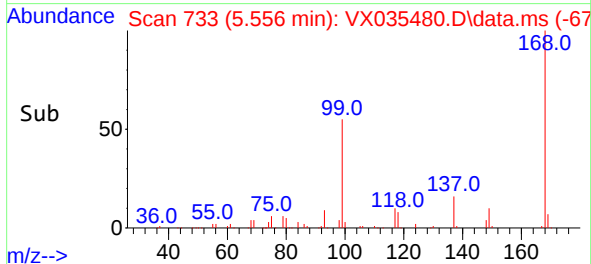


#31
Cyclohexane
Concen: 1.085 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX035480.D
Acq: 02 May 2023 15:35

Instrument :
MSVOA_X
ClientSampleId :
PZ-15

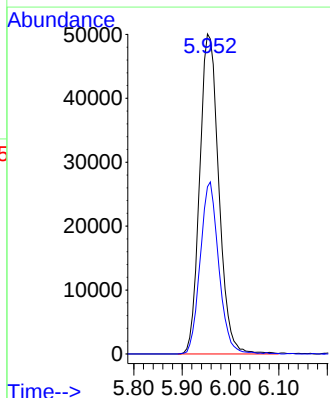
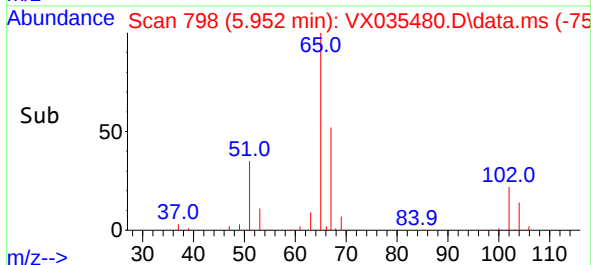
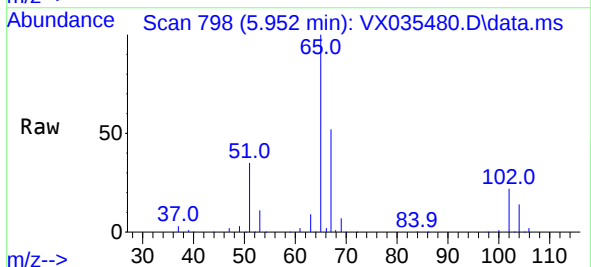


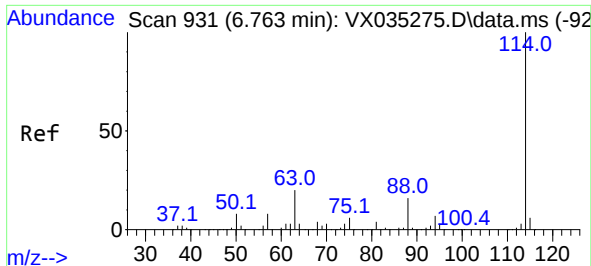
Tgt Ion: 56 Resp: 4348
Ion Ratio Lower Upper
56 100
69 180.8 23.7 35.5#
84 138.7 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 48.725 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX035480.D
Acq: 02 May 2023 15:35

Tgt Ion: 65 Resp: 137645
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.0

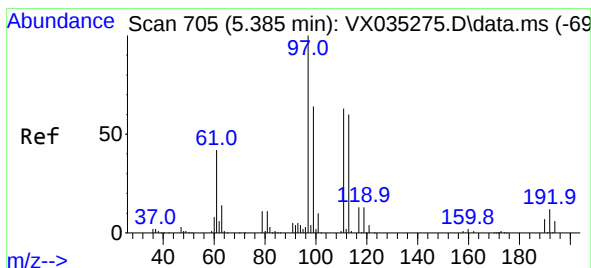
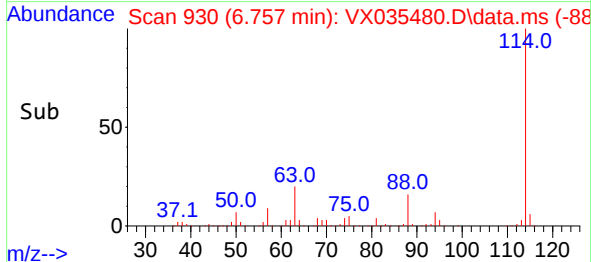
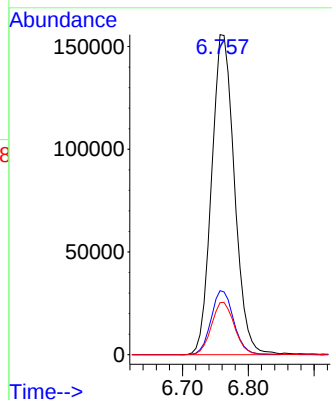
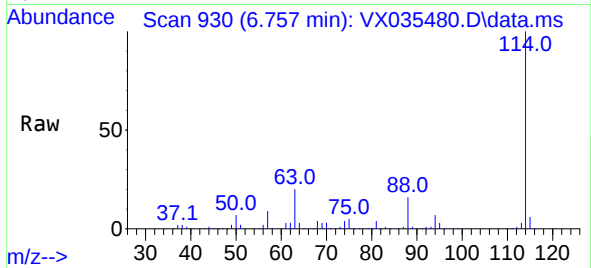




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX035480.D
Acq: 02 May 2023 15:35

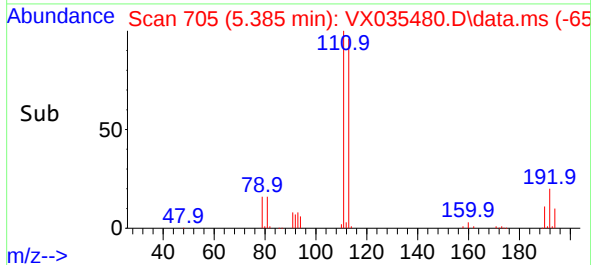
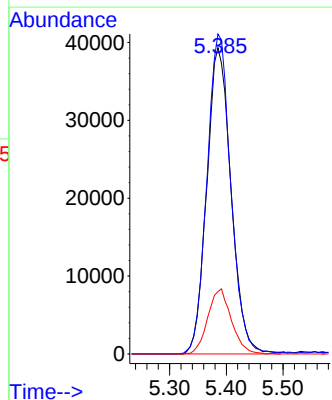
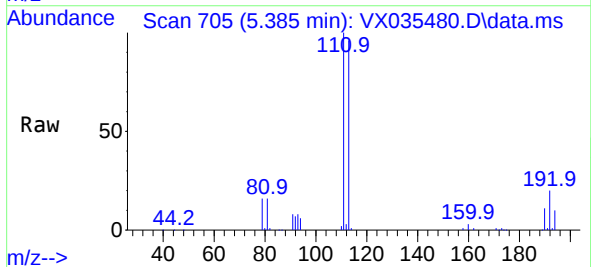
Instrument :
MSVOA_X
ClientSampleId :
PZ-15

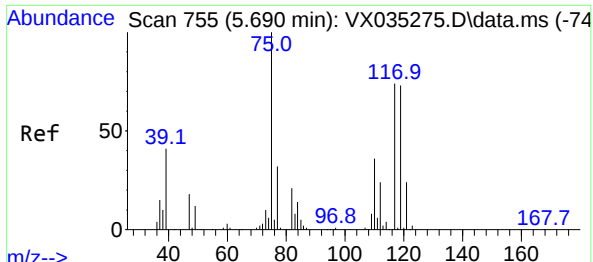
Tgt Ion:114 Resp: 376409
Ion Ratio Lower Upper
114 100
63 20.0 0.0 42.2
88 16.3 0.0 33.2



#35
Dibromofluoromethane
Concen: 50.546 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035480.D
Acq: 02 May 2023 15:35

Tgt Ion:113 Resp: 116776
Ion Ratio Lower Upper
113 100
111 102.9 83.7 125.5
192 20.6 15.4 23.2





#36

1,1-Dichloropropene

Concen: 4.485 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX035480.D

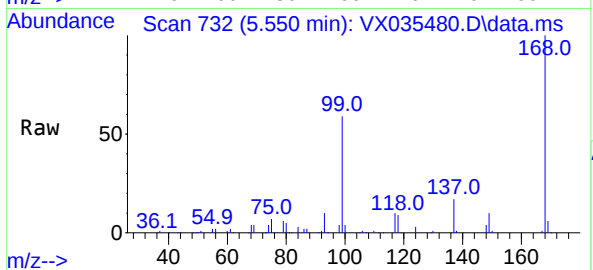
Acq: 02 May 2023 15:35

Instrument :

MSVOA_X

ClientSampleId :

PZ-15



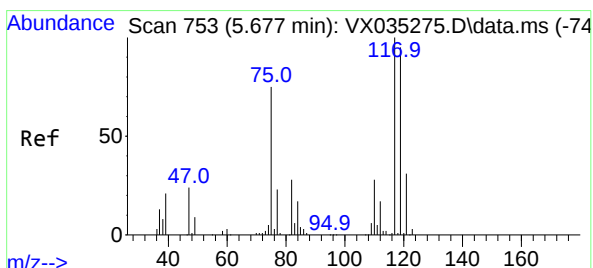
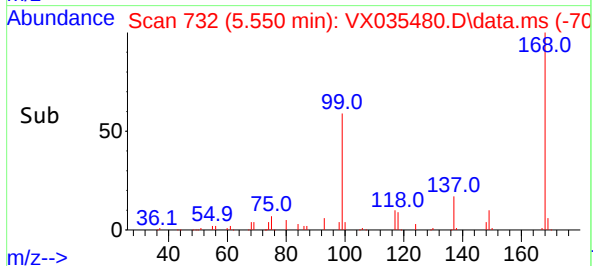
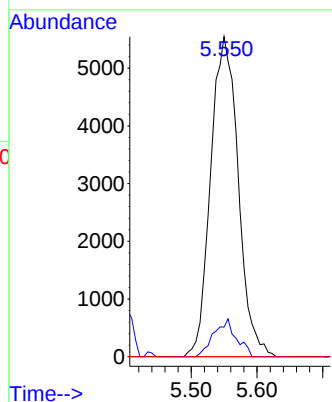
Tgt Ion: 75 Resp: 16178

Ion Ratio Lower Upper

75 100

110 9.6 17.5 52.5#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 6.821 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.127 min

Lab File: VX035480.D

Acq: 02 May 2023 15:35

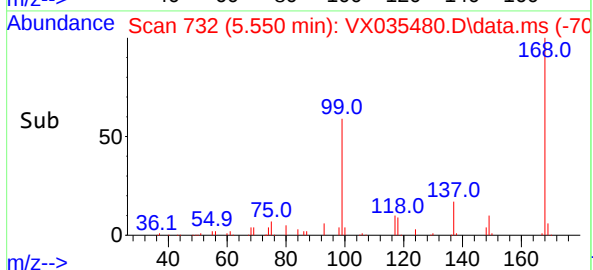
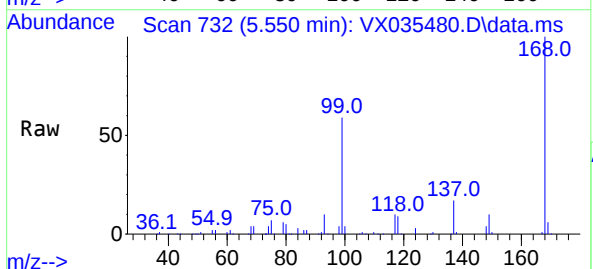
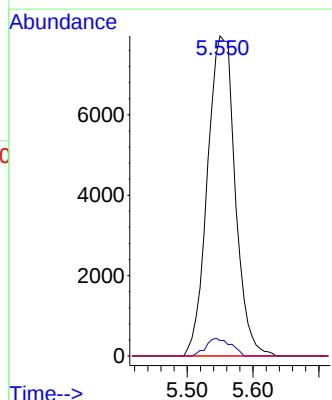
Tgt Ion: 117 Resp: 23360

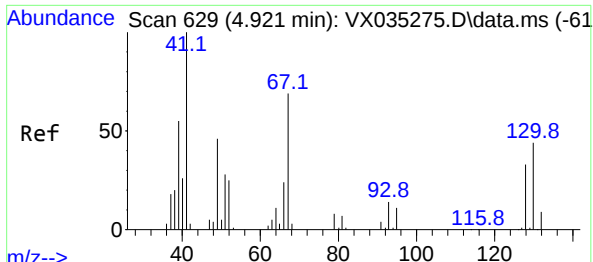
Ion Ratio Lower Upper

117 100

119 4.8 76.6 114.8#

121 0.0 23.8 35.6#



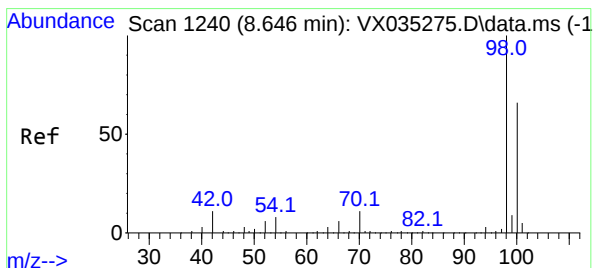
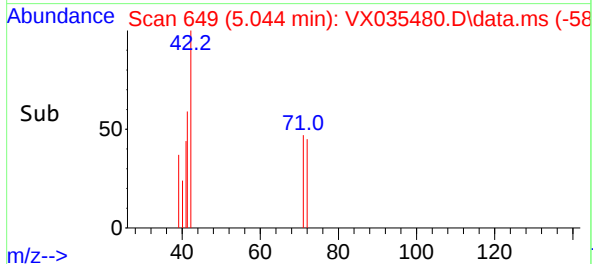
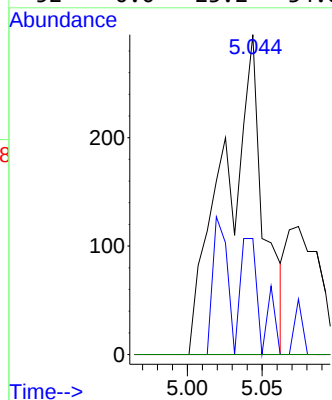
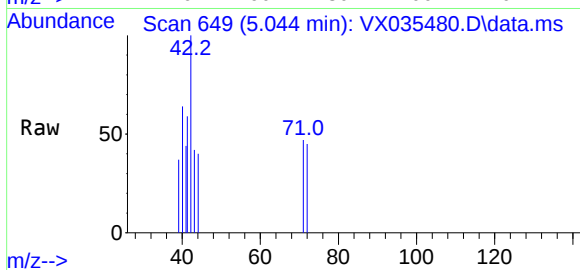


#41
Methacrylonitrile
Concen: 0.284 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.123 min
Lab File: VX035480.D
Acq: 02 May 2023 15:35

Instrument :
MSVOA_X
ClientSampleId :
PZ-15

Tgt Ion: 41 Resp: 537

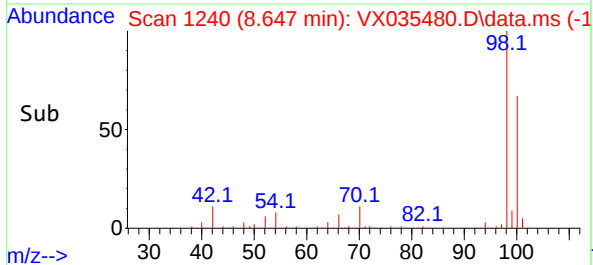
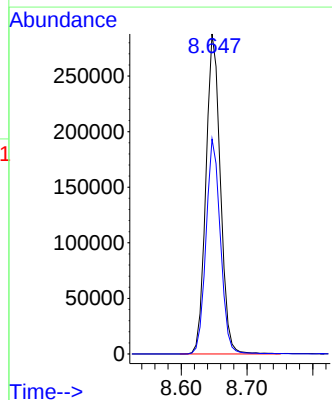
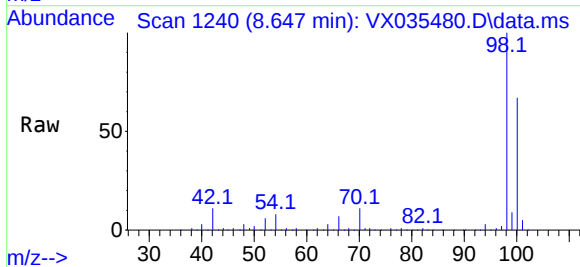
Ion	Ratio	Lower	Upper
41	100		
39	18.8	45.0	67.6#
67	0.0	55.6	83.4#
52	0.0	23.2	34.8#

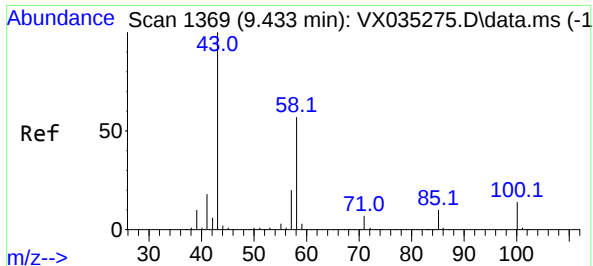


#50
Toluene-d8
Concen: 50.605 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX035480.D
Acq: 02 May 2023 15:35

Tgt Ion: 98 Resp: 441027

Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.5	78.7





#59

2-Hexanone

Concen: 0.238 ug/l

RT: 9.244 min Scan# 1

Delta R.T. -0.189 min

Lab File: VX035480.D

Acq: 02 May 2023 15:35

Instrument :

MSVOA_X

ClientSampleId :

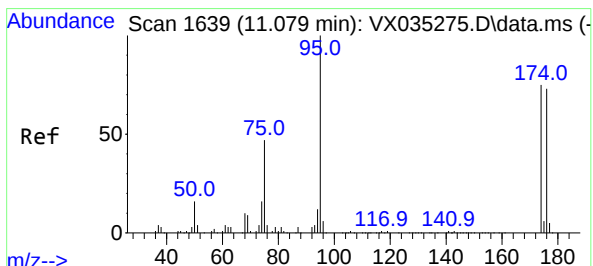
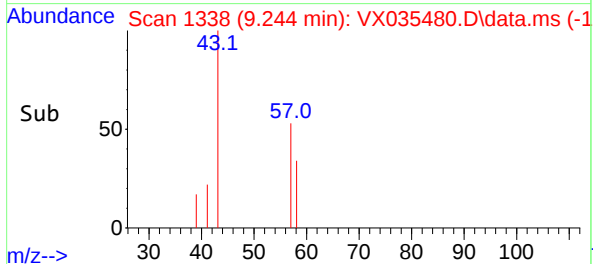
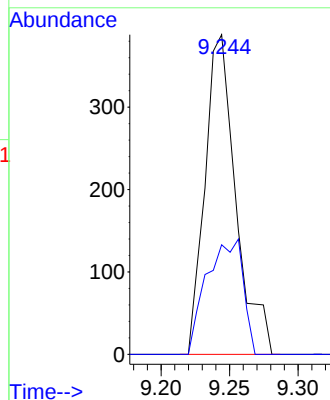
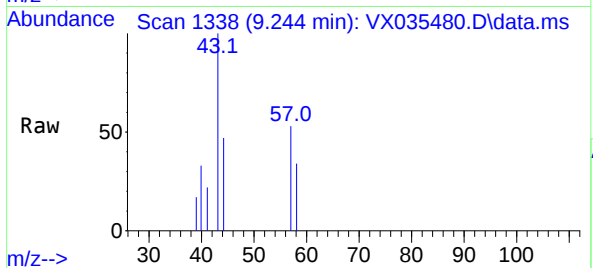
PZ-15

Tgt Ion: 43 Resp: 608

Ion Ratio Lower Upper

43 100

58 42.3 26.3 78.9



#62

4-Bromofluorobenzene

Concen: 54.270 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX035480.D

Acq: 02 May 2023 15:35

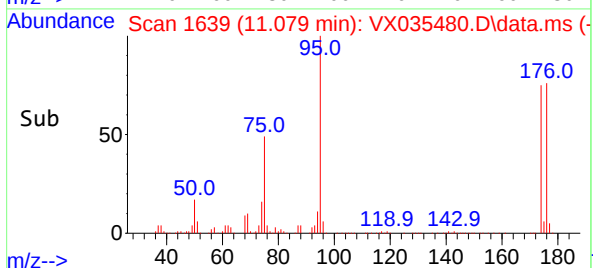
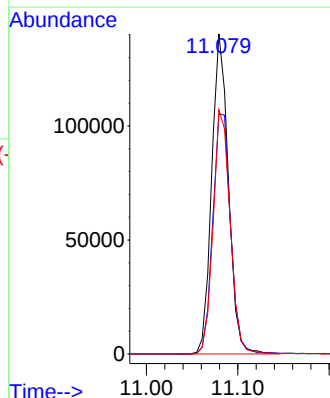
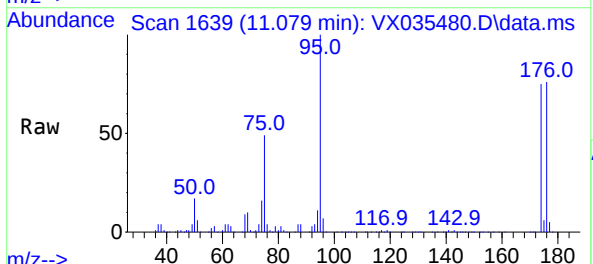
Tgt Ion: 95 Resp: 177925

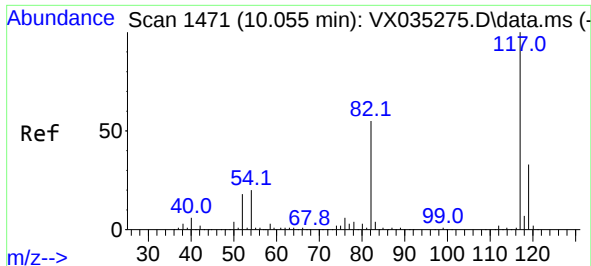
Ion Ratio Lower Upper

95 100

174 80.1 0.0 147.4

176 77.8 0.0 140.6

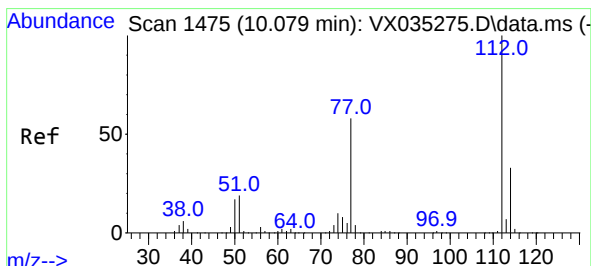
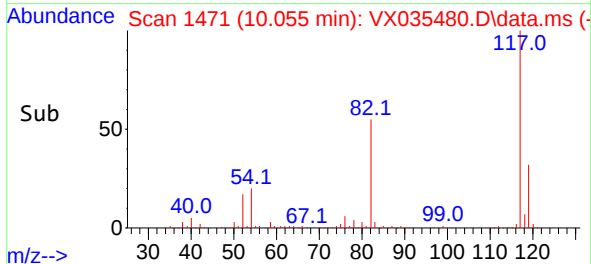
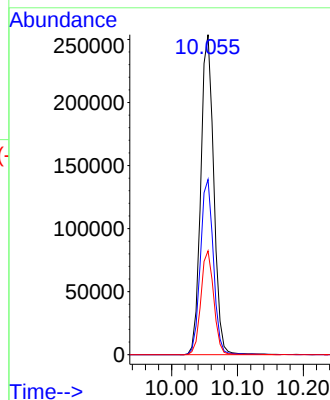
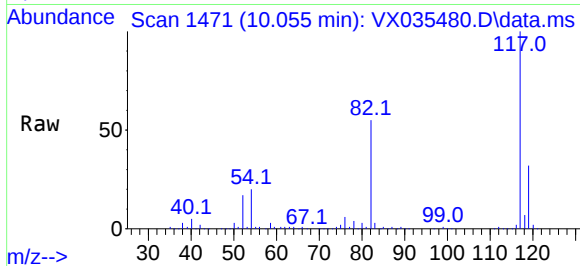




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035480.D
Acq: 02 May 2023 15:35

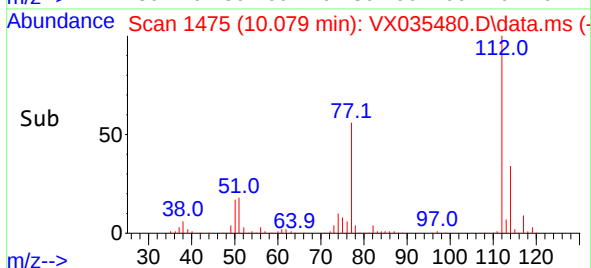
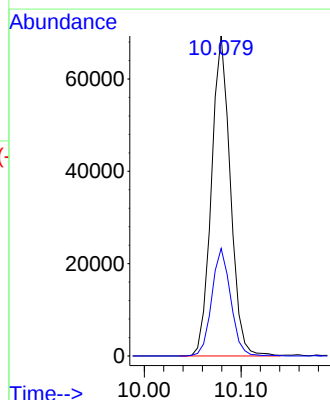
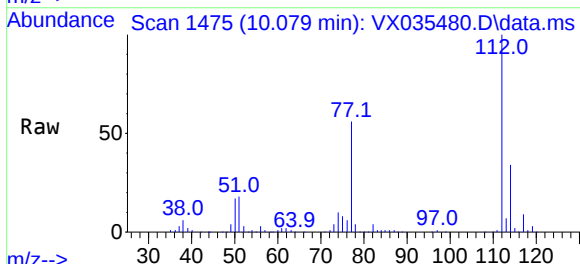
Instrument :
MSVOA_X
ClientSampleId :
PZ-15

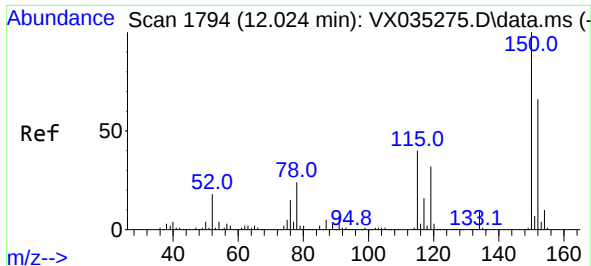
Tgt Ion:117 Resp: 347920
Ion Ratio Lower Upper
117 100
82 54.7 45.0 67.4
119 32.5 26.0 39.0



#65
Chlorobenzene
Concen: 12.503 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX035480.D
Acq: 02 May 2023 15:35

Tgt Ion:112 Resp: 94111
Ion Ratio Lower Upper
112 100
114 33.6 26.2 39.2

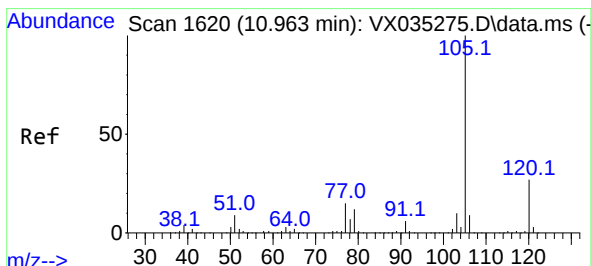
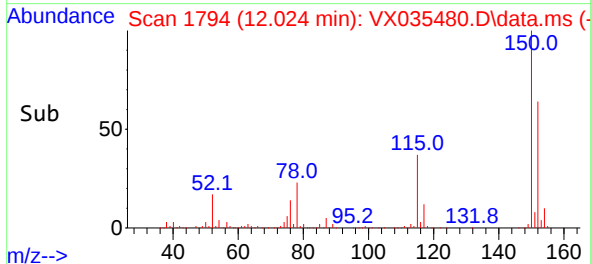
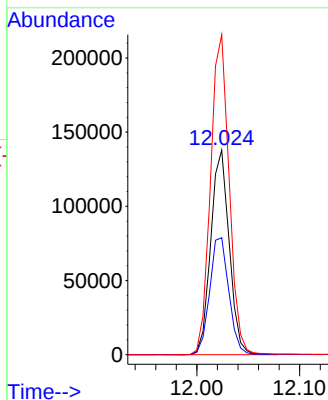
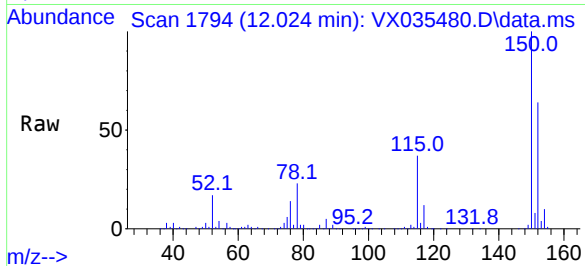




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035480.D
Acq: 02 May 2023 15:35

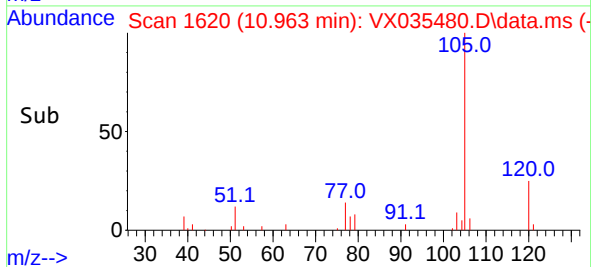
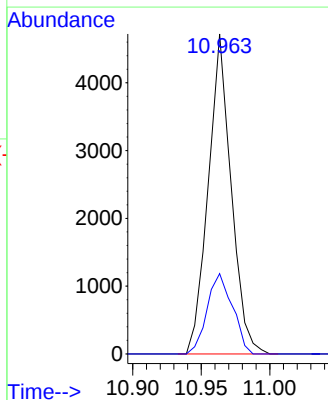
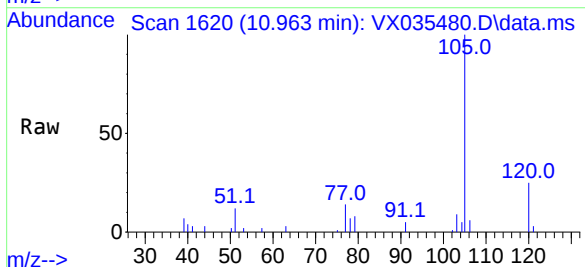
Instrument :
MSVOA_X
ClientSampleId :
PZ-15

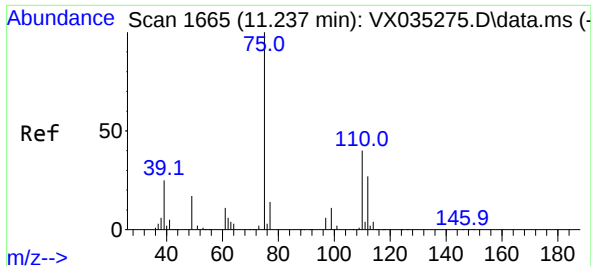
Tgt Ion:152 Resp: 171803
Ion Ratio Lower Upper
152 100
115 59.7 45.0 135.0
150 158.0 0.0 352.4



#73
Isopropylbenzene
Concen: 0.437 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX035480.D
Acq: 02 May 2023 15:35

Tgt Ion:105 Resp: 5485
Ion Ratio Lower Upper
105 100
120 27.8 13.3 39.9

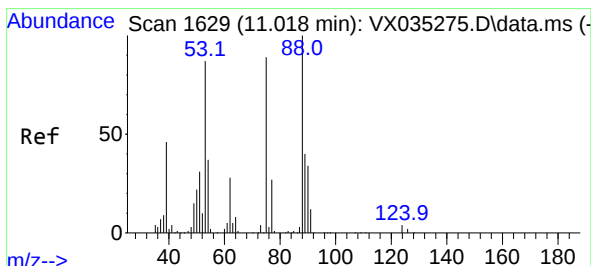
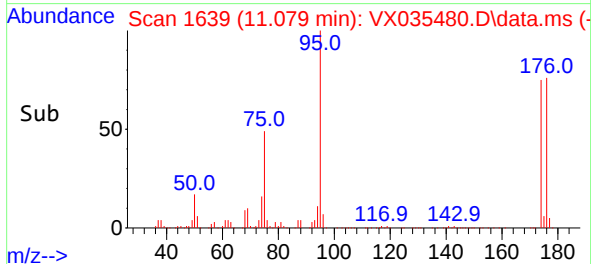
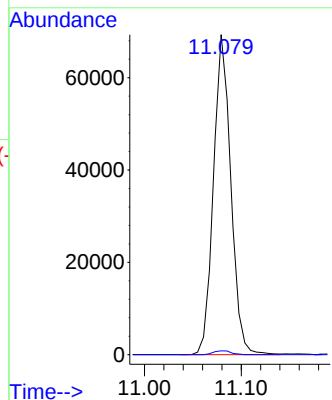
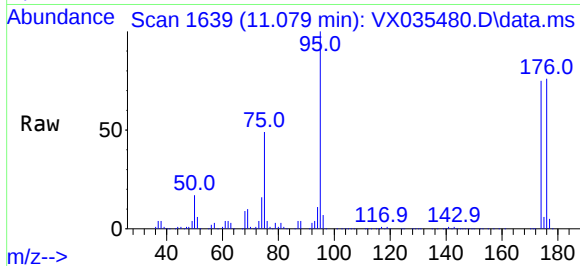




#76
1,2,3-Trichloropropane
Concen: 25.224 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX035480.D
Acq: 02 May 2023 15:35

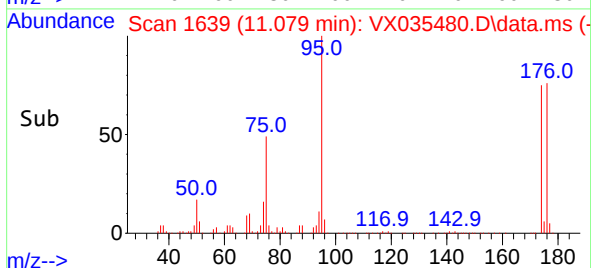
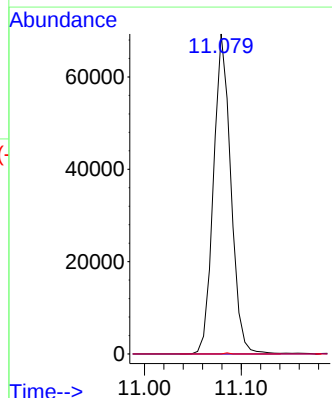
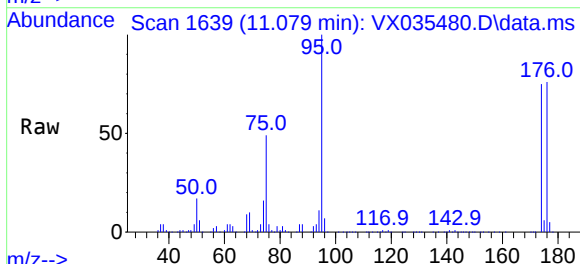
Instrument :
MSVOA_X
ClientSampleId :
PZ-15

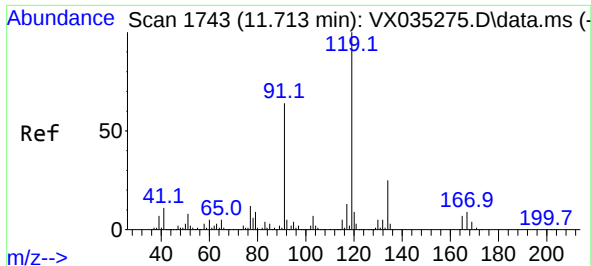
Tgt Ion: 75 Resp: 86445
Ion Ratio Lower Upper
75 100
77 1.3 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.696 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035480.D
Acq: 02 May 2023 15:35

Tgt Ion: 75 Resp: 86445
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.1 36.9 55.3#





#83

tert-Butylbenzene

Concen: 0.323 ug/l

RT: 11.713 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX035480.D

Acq: 02 May 2023 15:35

Instrument :

MSVOA_X

ClientSampleId :

PZ-15

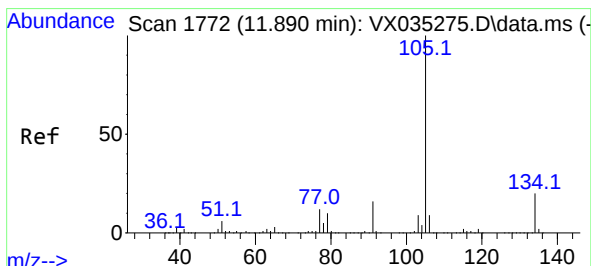
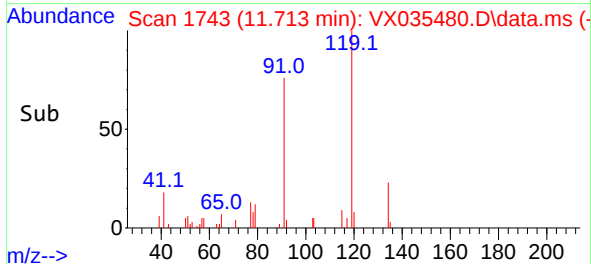
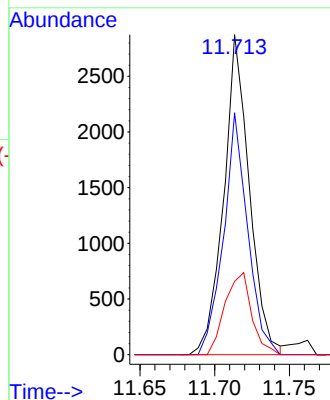
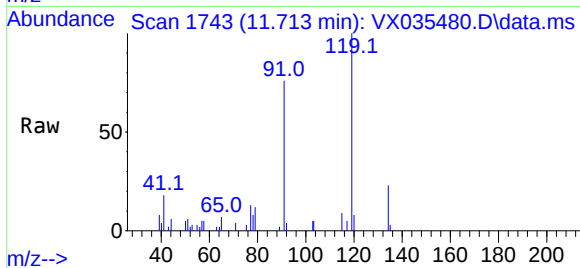
Tgt Ion:119 Resp: 3434

Ion Ratio Lower Upper

119 100

91 70.9 30.6 92.0

134 26.6 11.8 35.4



#85

sec-Butylbenzene

Concen: 0.472 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX035480.D

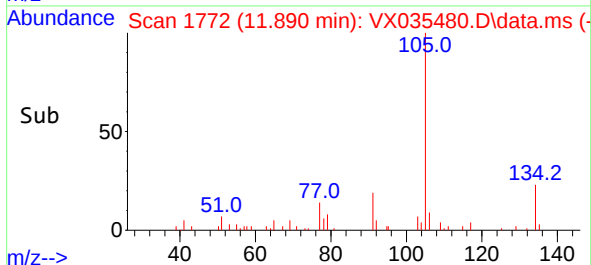
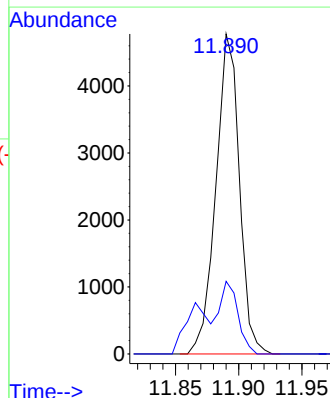
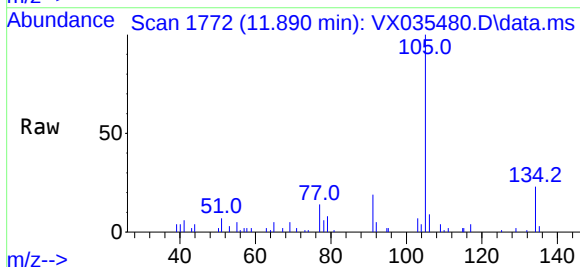
Acq: 02 May 2023 15:35

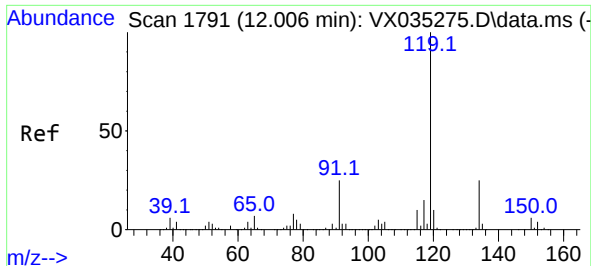
Tgt Ion:105 Resp: 6147

Ion Ratio Lower Upper

105 100

134 18.1 10.2 30.4

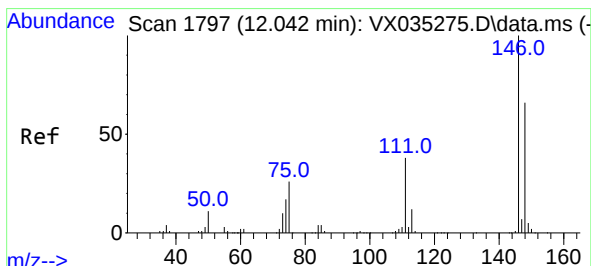
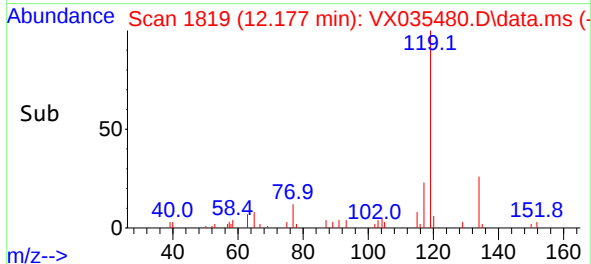
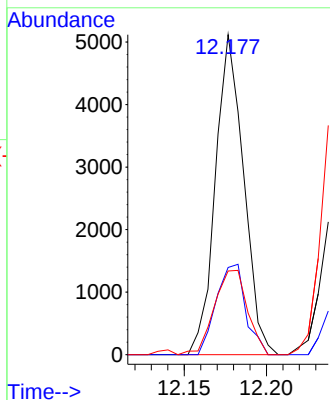
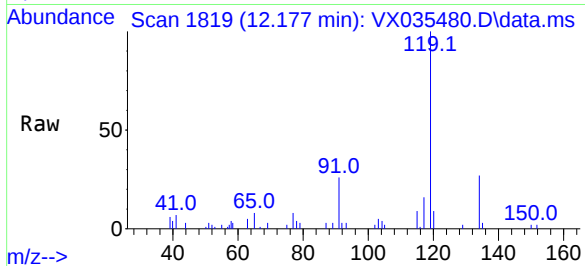




#86
p-Isopropyltoluene
Concen: 0.552 ug/l
RT: 12.177 min Scan# 1191
Delta R.T. 0.171 min
Lab File: VX035480.D
Acq: 02 May 2023 15:35

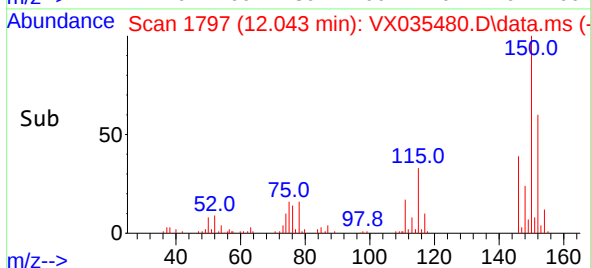
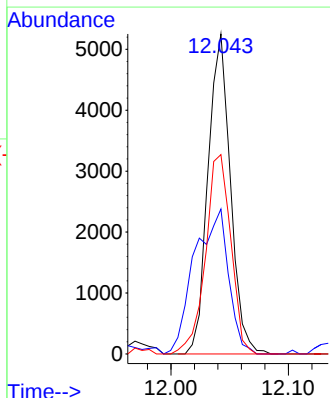
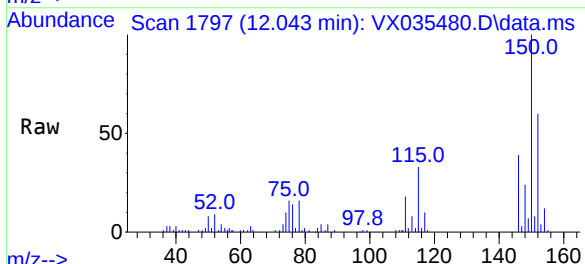
Instrument :
MSVOA_X
ClientSampleId :
PZ-15

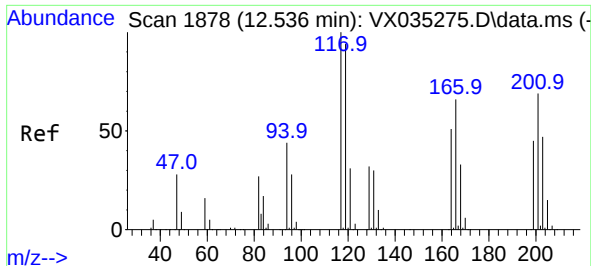
Tgt Ion:	119	Resp:	6114
Ion	Ratio	Lower	Upper
119	100		
134	29.5	13.2	39.5
91	30.8	12.9	38.7



#88
1,4-Dichlorobenzene
Concen: 1.117 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.001 min
Lab File: VX035480.D
Acq: 02 May 2023 15:35

Tgt Ion:	146	Resp:	6947
Ion	Ratio	Lower	Upper
146	100		
111	68.8	20.6	61.9#
148	70.3	31.8	95.4

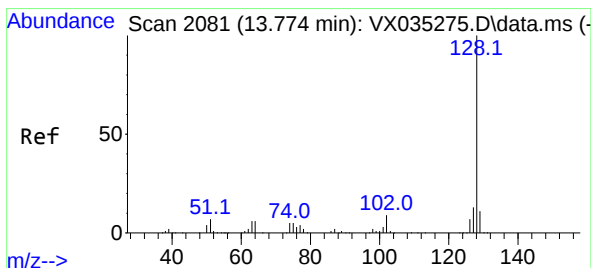
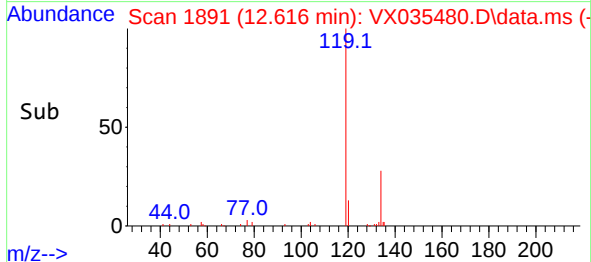
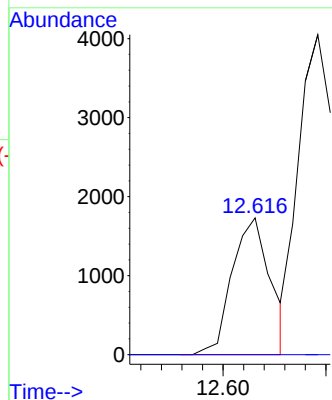
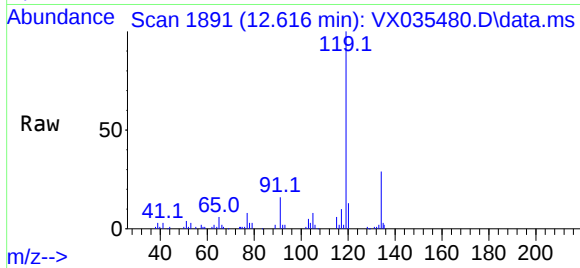




#90
Hexachloroethane
Concen: 1.317 ug/l
RT: 12.616 min Scan# 1878
Delta R.T. 0.080 min
Lab File: VX035480.D
Acq: 02 May 2023 15:35

Instrument :
MSVOA_X
ClientSampleId :
PZ-15

Tgt Ion:117 Resp: 2235
Ion Ratio Lower Upper
117 100
201 0.0 34.4 103.1#



#95
Naphthalene
Concen: 0.247 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX035480.D
Acq: 02 May 2023 15:35

Tgt Ion:128 Resp: 2834
Ion Ratio Lower Upper
128 100
127 11.9 10.2 15.4
129 13.8 8.6 13.0#

