

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050123\
 Data File : VX035431.D
 Acq On : 01 May 2023 11:32
 Operator : JC/MD
 Sample : VX0501WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 01 23:55:06 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)

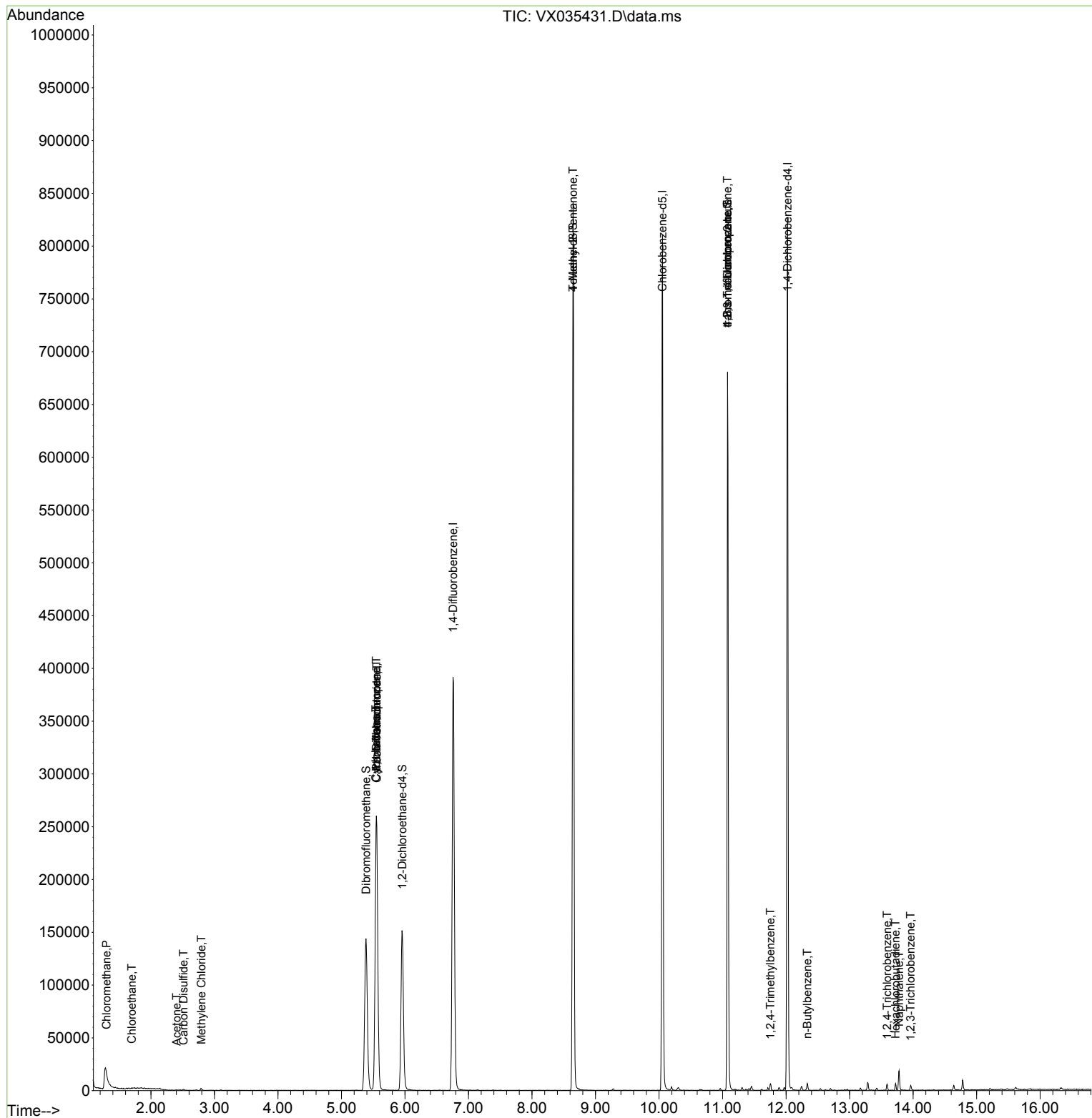
Internal Standards						
1) Pentafluorobenzene	5.550	168	261581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	419374	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	381564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	184154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	146929	46.558	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 93.120%			
35) Dibromofluoromethane	5.385	113	128950	50.097	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.200%			
50) Toluene-d8	8.647	98	491752	50.644	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.280%			
62) 4-Bromofluorobenzene	11.079	95	189186	51.793	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.580%			
Target Compounds					Qvalue	
3) Chloromethane	1.300	50	1295	0.514	ug/l #	42
6) Chloroethane	1.697	64	393	0.266	ug/l #	42
16) Acetone	2.404	43	537	0.392	ug/l #	44
17) Carbon Disulfide	2.514	76	1221	0.200	ug/l #	74
20) Methylene Chloride	2.794	84	860	0.274	ug/l #	80
31) Cyclohexane	5.544	56	4743	1.059	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	18495	4.602	ug/l #	51
38) Carbon Tetrachloride	5.556	117	25312	6.634	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	2073	0.547	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	91549	24.922	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	91549	80.717	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.756	105	3273	0.287	ug/l	92
89) n-Butylbenzene	12.335	91	2127	0.212	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	1753	0.438	ug/l	96
94) Hexachlorobutadiene	13.725	225	1047	0.597	ug/l	93
95) Naphthalene	13.780	128	12922	1.050	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	1459	0.363	ug/l	97

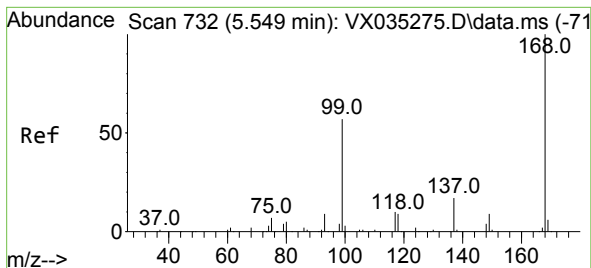
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 01 23:55:06 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: 5.550 min Scan# 71

Delta R.T. 0.001 min

Lab File: VX035431.D

Acq: 01 May 2023 11:32

Instrument :

MSVOA_X

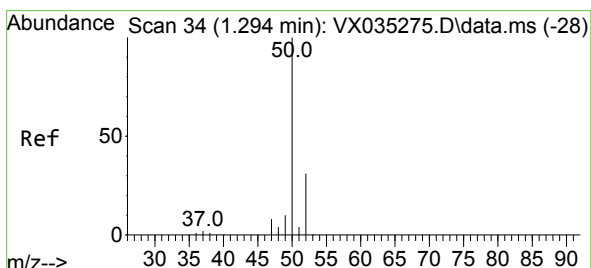
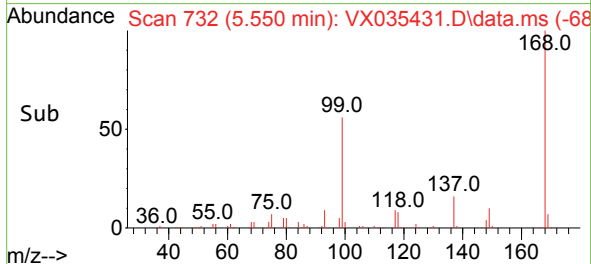
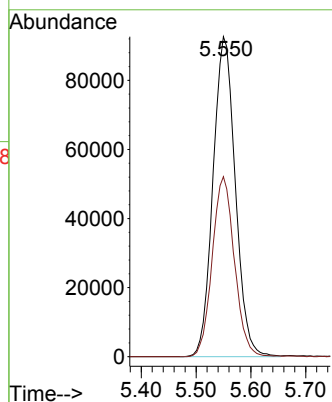
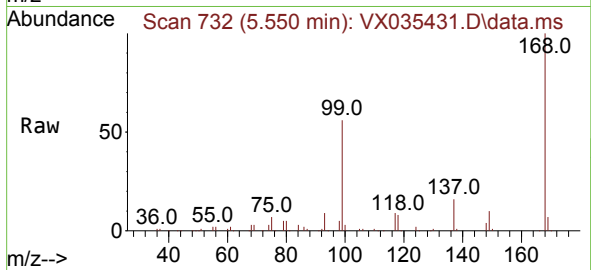
ClientSampleId :

Tgt Ion:168 Resp: 261581

Ion Ratio Lower Upper

168 100

99 56.2 45.7 68.5



#3

Chloromethane

Concen: 0.514 ug/l

RT: 1.300 min Scan# 35

Delta R.T. 0.006 min

Lab File: VX035431.D

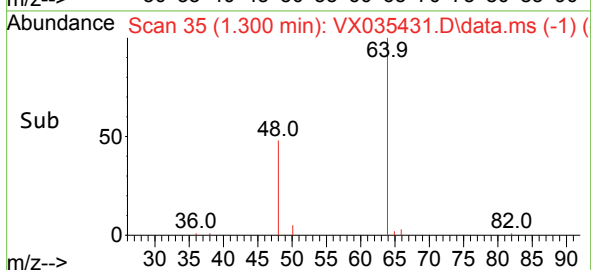
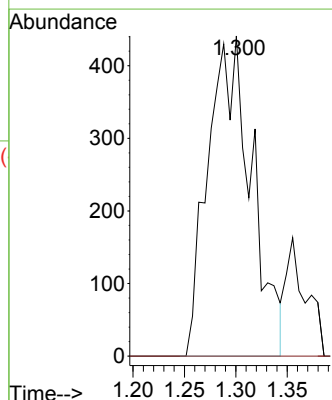
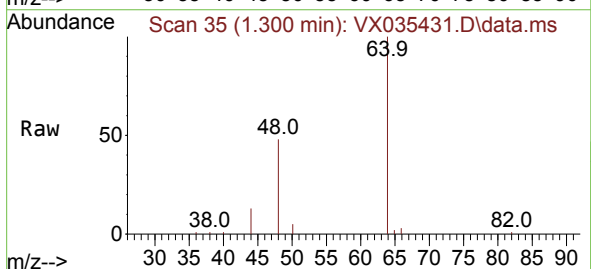
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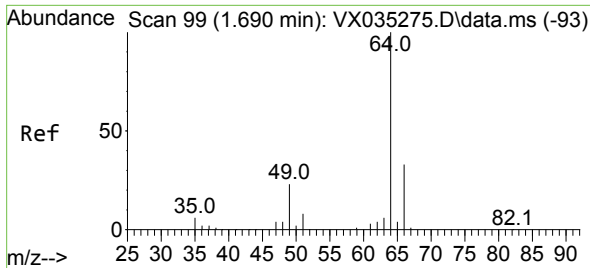
Tgt Ion: 50 Resp: 1295

Ion Ratio Lower Upper

50 100

52 0.0 25.9 38.9#

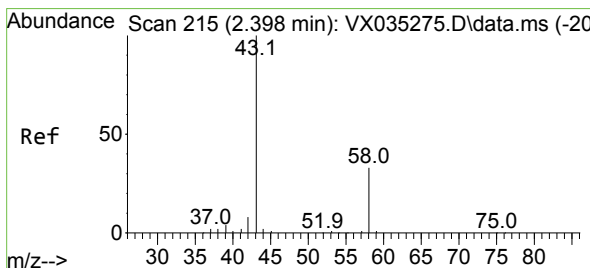
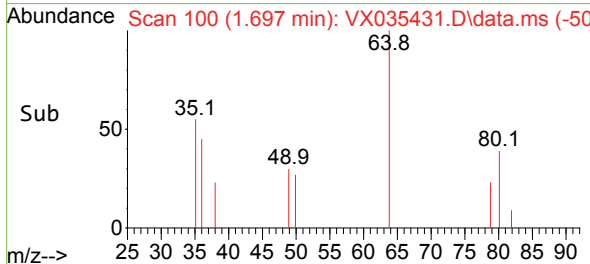
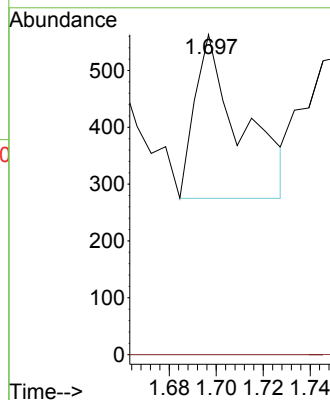
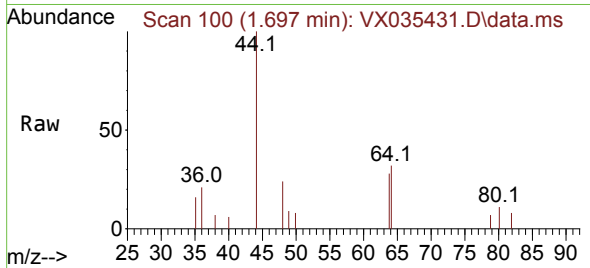




#6
Chloroethane
Concen: 0.266 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.007 min
Lab File: VX035431.D
Acq: 01 May 2023 11:32

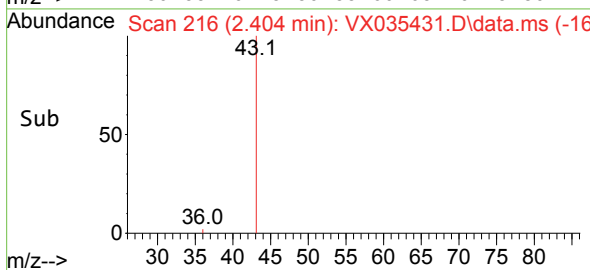
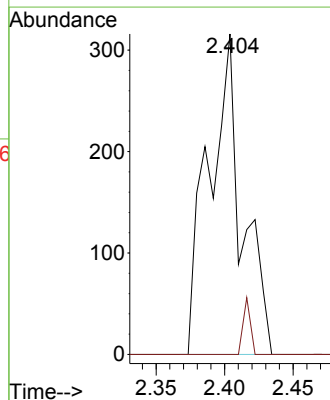
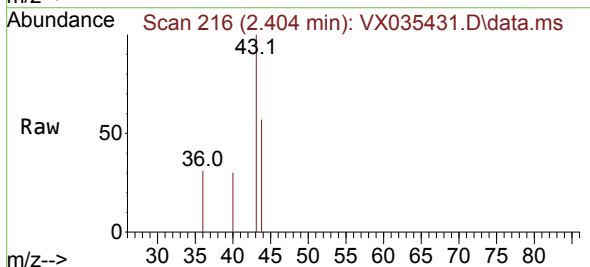
Instrument :
MSVOA_X
ClientSampleId :

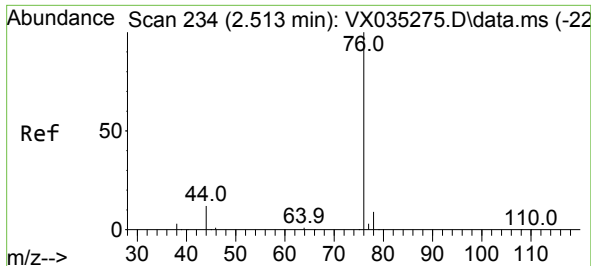
Tgt Ion: 64 Resp: 393
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#16
Acetone
Concen: 0.392 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX035431.D
Acq: 01 May 2023 11:32

Tgt Ion: 43 Resp: 537
Ion Ratio Lower Upper
43 100
58 0.0 24.7 37.1#

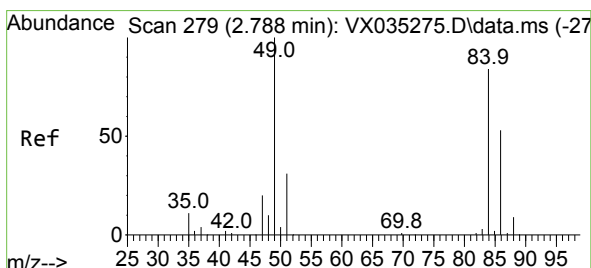
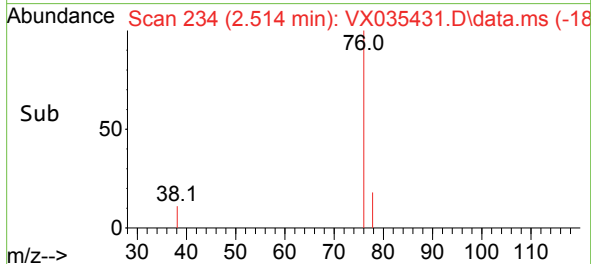
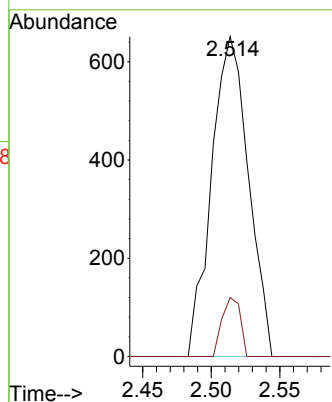
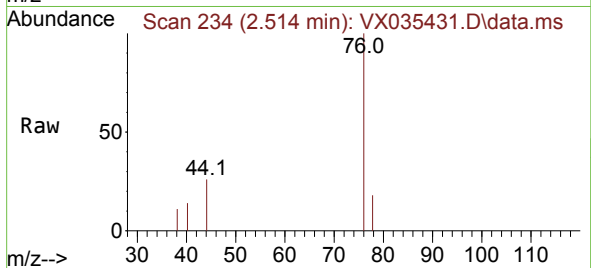




#17
Carbon Disulfide
Concen: 0.200 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.001 min
Lab File: VX035431.D
Acq: 01 May 2023 11:32

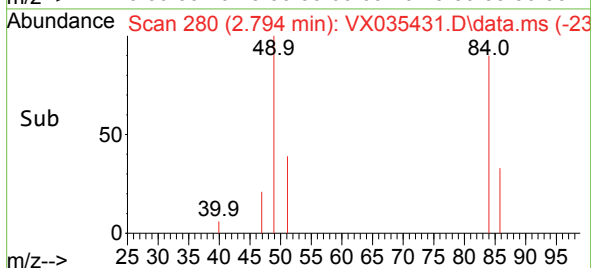
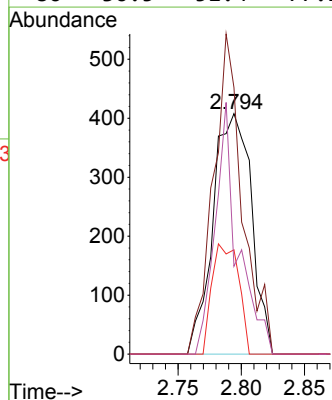
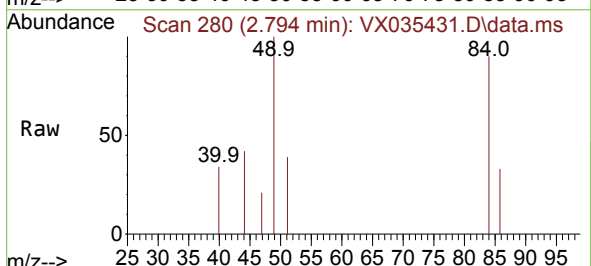
Instrument :
MSVOA_X
ClientSampleId :

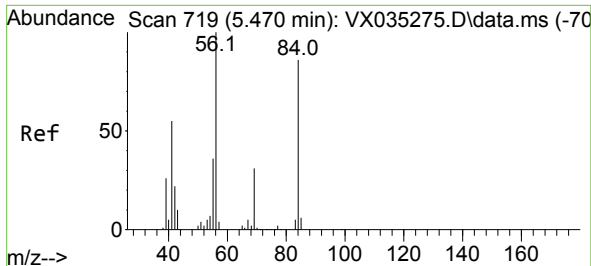
Tgt Ion: 76 Resp: 1221
Ion Ratio Lower Upper
76 100
78 18.4 7.2 10.8#



#20
Methylene Chloride
Concen: 0.274 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX035431.D
Acq: 01 May 2023 11:32

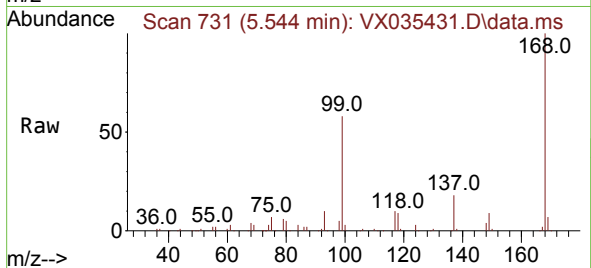
Tgt Ion: 84 Resp: 860
Ion Ratio Lower Upper
84 100
49 110.8 103.8 155.8
51 43.4 31.8 47.8
86 36.5 51.4 77.2#



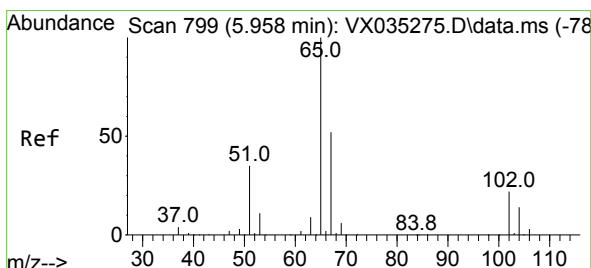
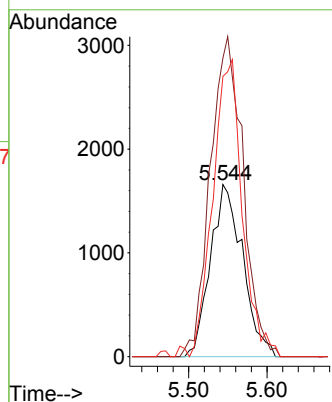
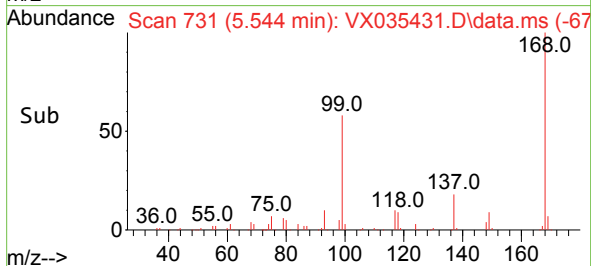


#31
Cyclohexane
Concen: 1.059 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.074 min
Lab File: VX035431.D
Acq: 01 May 2023 11:32

Instrument :
MSVOA_X
ClientSampleId :

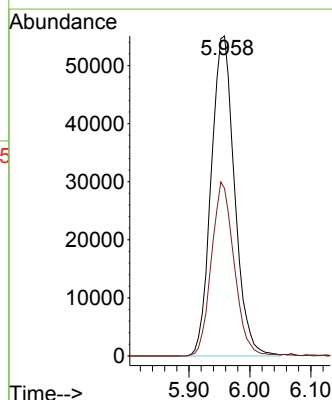
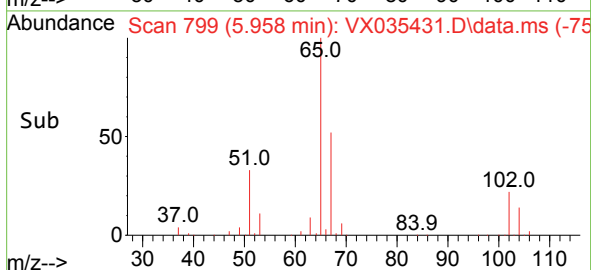
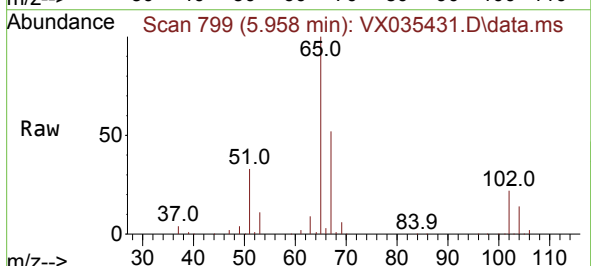


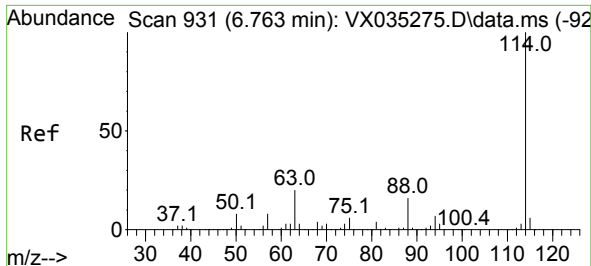
Tgt Ion: 56 Resp: 4743
Ion Ratio Lower Upper
56 100
69 173.5 23.7 35.5#
84 162.8 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 46.558 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX035431.D
Acq: 01 May 2023 11:32

Tgt Ion: 65 Resp: 146929
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.0

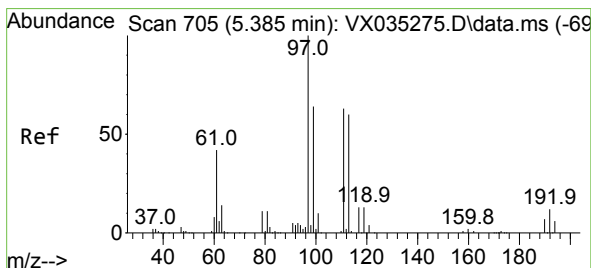
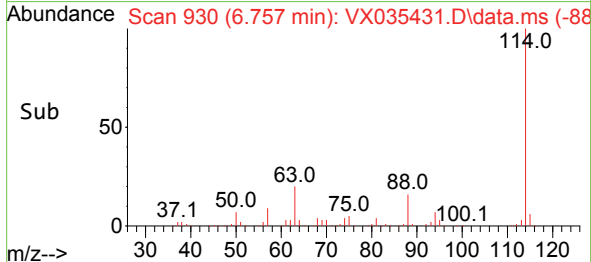
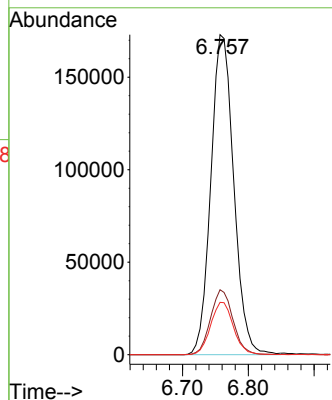
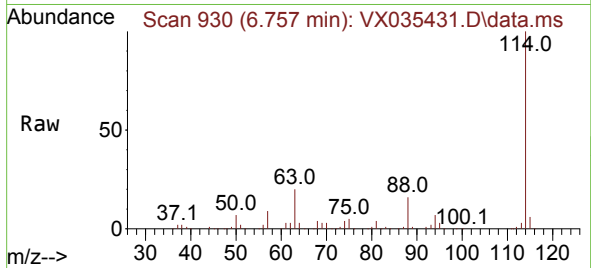




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX035431.D
Acq: 01 May 2023 11:32

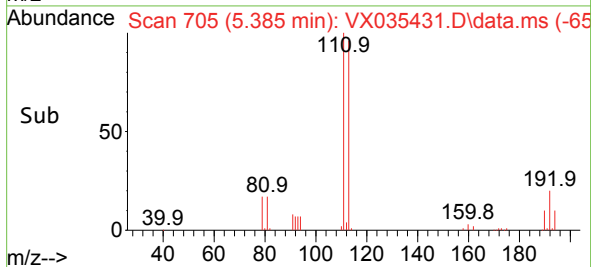
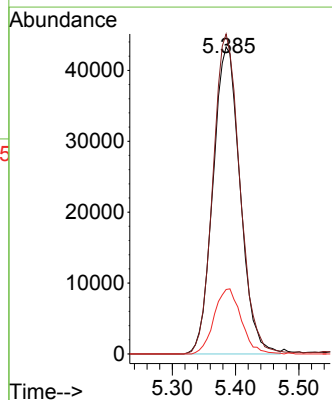
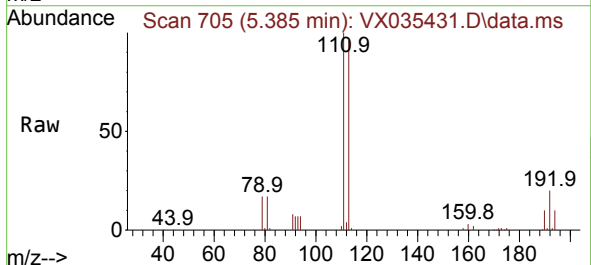
Instrument :
MSVOA_X
ClientSampleId :

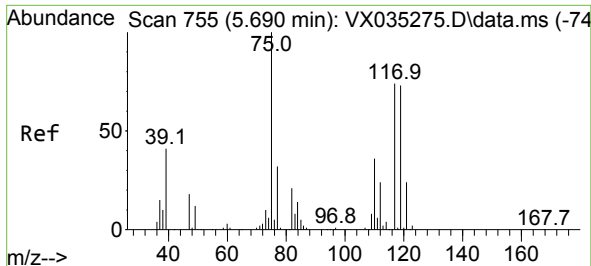
Tgt Ion:114 Resp: 419374
Ion Ratio Lower Upper
114 100
63 20.3 0.0 42.2
88 16.4 0.0 33.2



#35
Dibromofluoromethane
Concen: 50.097 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035431.D
Acq: 01 May 2023 11:32

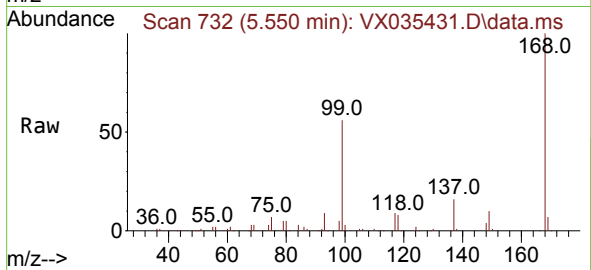
Tgt Ion:113 Resp: 128950
Ion Ratio Lower Upper
113 100
111 103.2 83.7 125.5
192 21.2 15.4 23.2



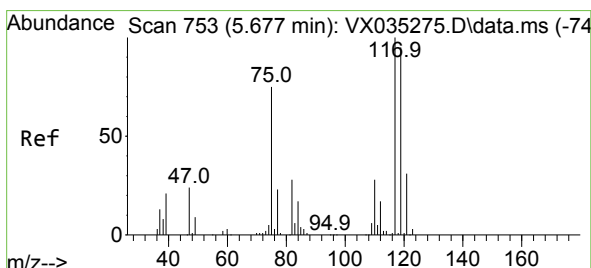
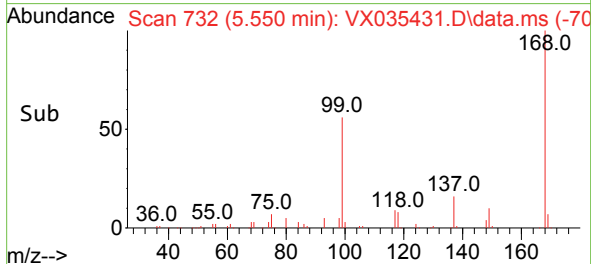
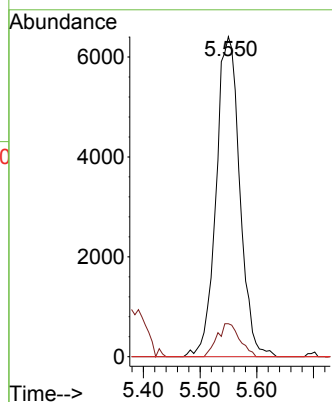


#36
1,1-Dichloropropene
Concen: 4.602 ug/l
RT: 5.550 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX035431.D
Acq: 01 May 2023 11:32

Instrument :
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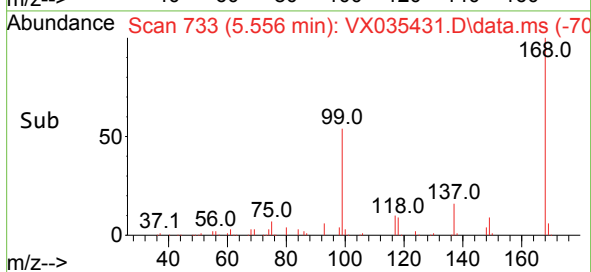
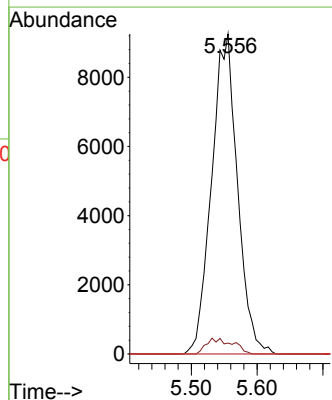
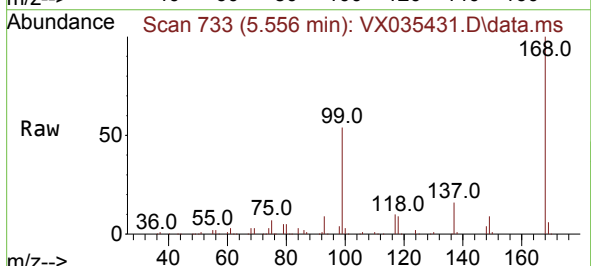


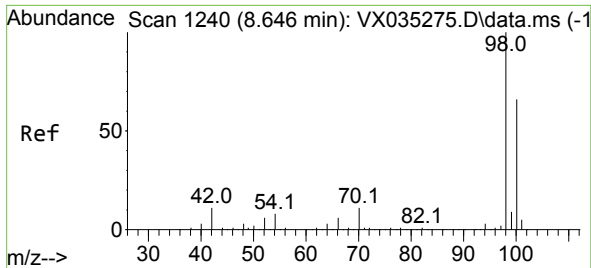
Tgt Ion: 75 Resp: 18495
Ion Ratio Lower Upper
75 100
110 9.9 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 6.634 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.121 min
Lab File: VX035431.D
Acq: 01 May 2023 11:32

Tgt Ion: 117 Resp: 25312
Ion Ratio Lower Upper
117 100
119 3.4 76.6 114.8#
121 0.0 23.8 35.6#

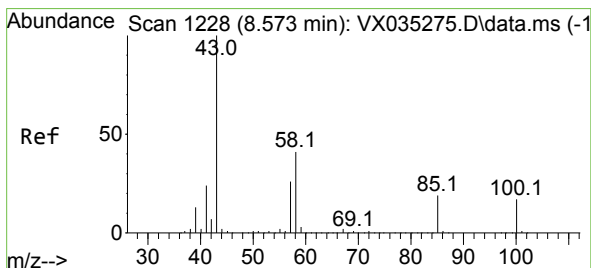
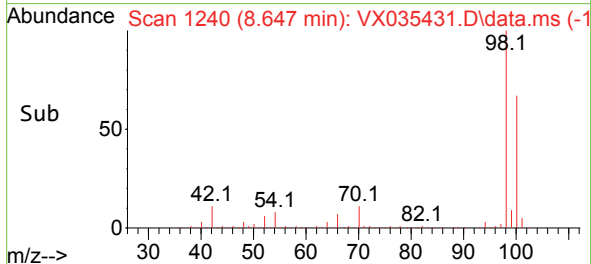
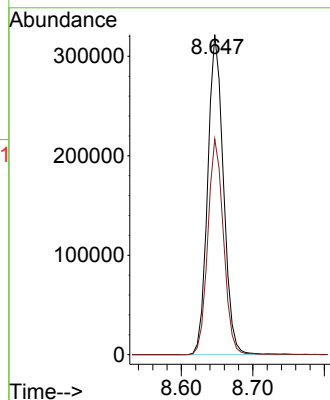
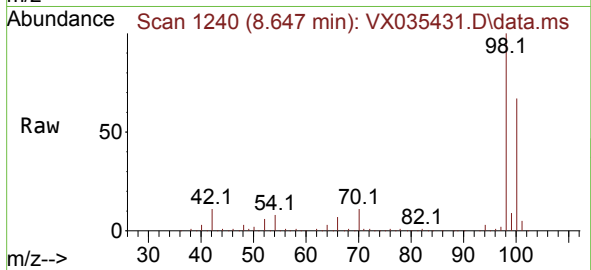




#50
Toluene-d8
Concen: 50.644 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX035431.D
Acq: 01 May 2023 11:32

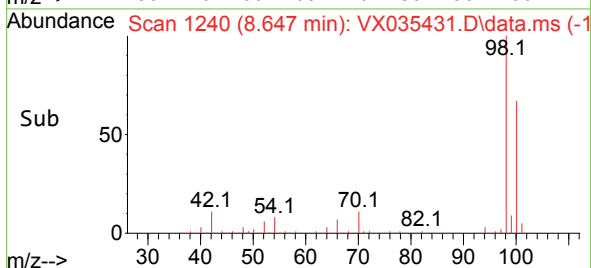
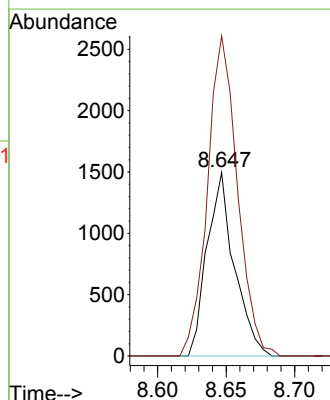
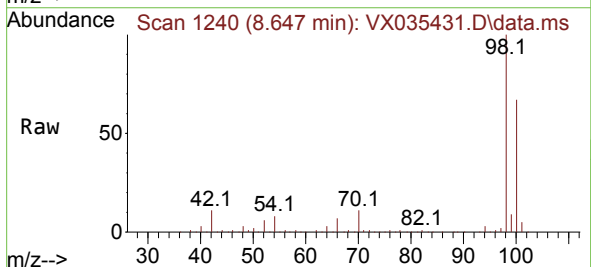
Instrument :
MSVOA_X
ClientSampleId :

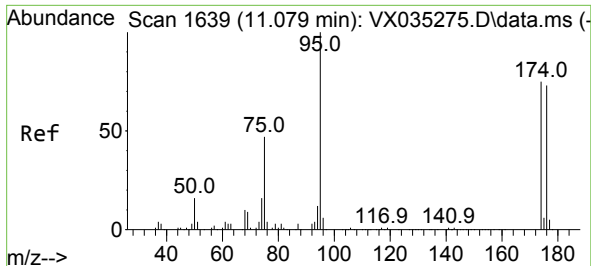
Tgt Ion: 98 Resp: 491752
Ion Ratio Lower Upper
98 100
100 67.2 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.547 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.074 min
Lab File: VX035431.D
Acq: 01 May 2023 11:32

Tgt Ion: 43 Resp: 2073
Ion Ratio Lower Upper
43 100
58 191.4 30.6 46.0#

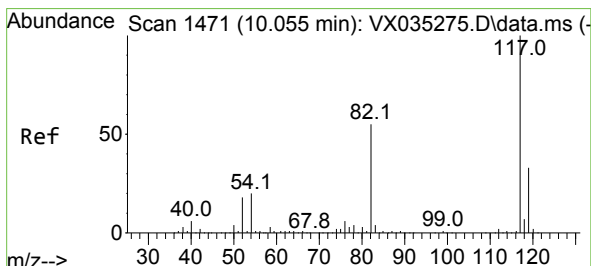
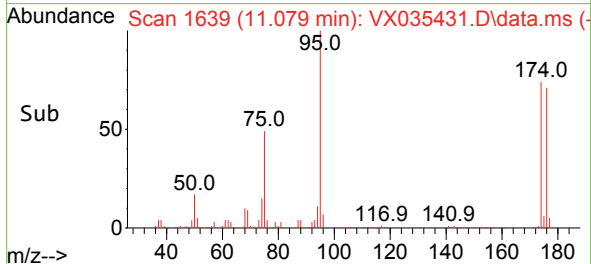
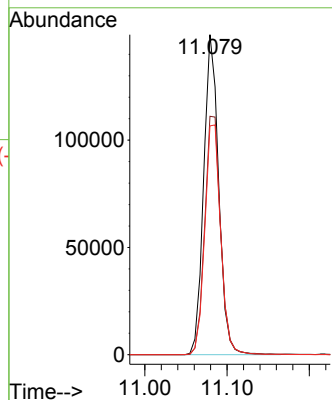
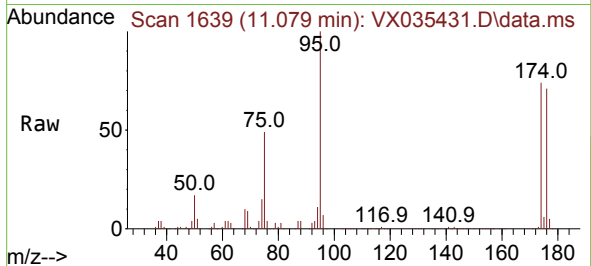




#62
4-Bromofluorobenzene
Concen: 51.793 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX035431.D
Acq: 01 May 2023 11:32

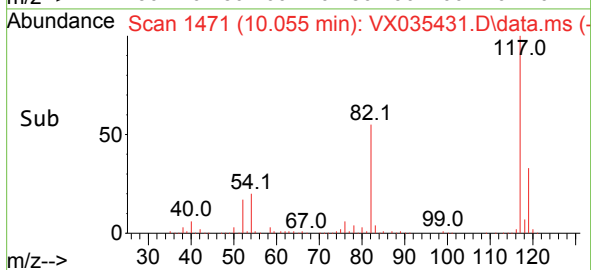
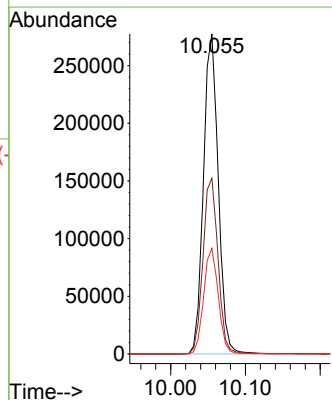
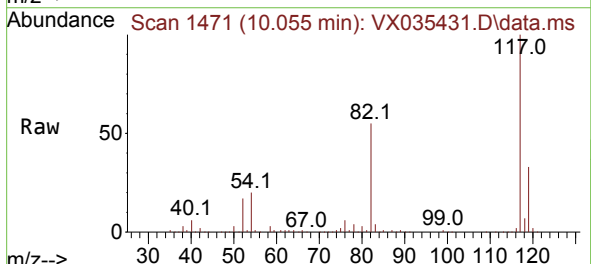
Instrument :
MSVOA_X
ClientSampleId :

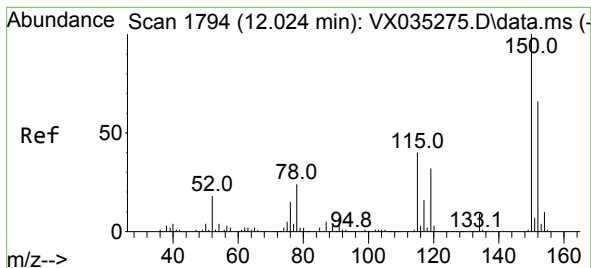
Tgt Ion: 95 Resp: 189186
Ion Ratio Lower Upper
95 100
174 79.0 0.0 147.4
176 76.4 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035431.D
Acq: 01 May 2023 11:32

Tgt Ion: 117 Resp: 381564
Ion Ratio Lower Upper
117 100
82 54.9 45.0 67.4
119 33.0 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX035431.D

Acq: 01 May 2023 11:32

Instrument :

MSVOA_X

ClientSampleId :

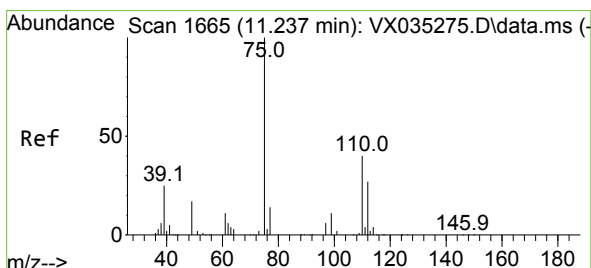
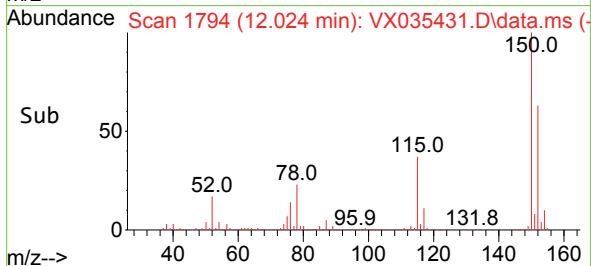
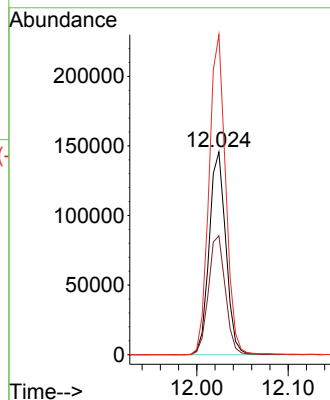
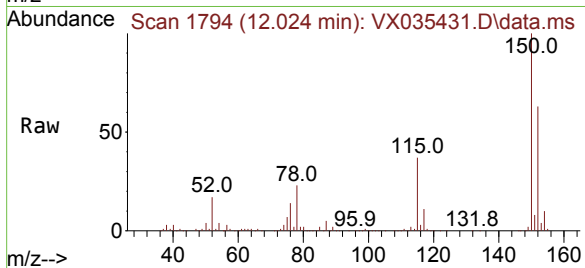
Tgt Ion:152 Resp: 184154

Ion Ratio Lower Upper

152 100

115 59.9 45.0 135.0

150 157.2 0.0 352.4



#76

1,2,3-Trichloropropane

Concen: 24.922 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX035431.D

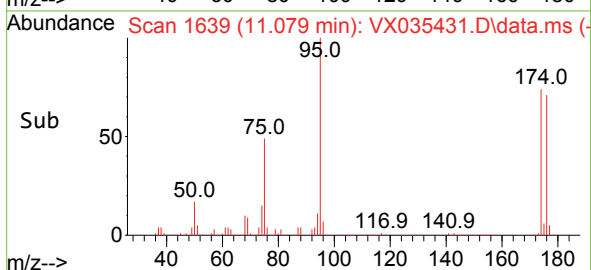
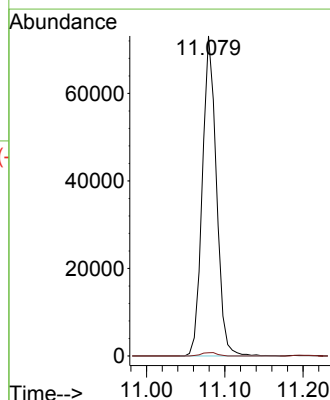
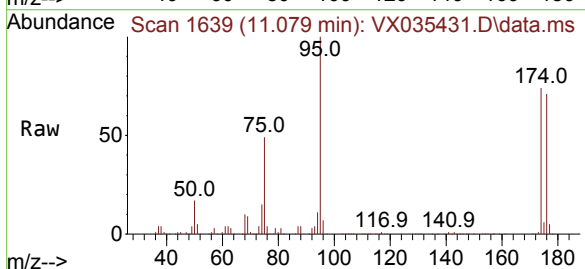
Acq: 01 May 2023 11:32

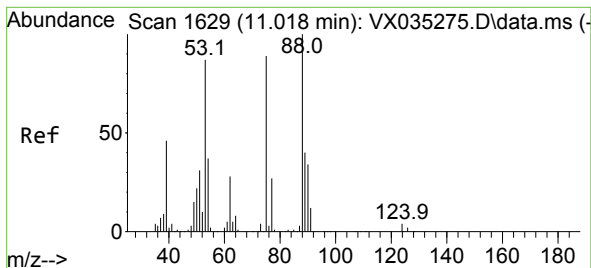
Tgt Ion: 75 Resp: 91549

Ion Ratio Lower Upper

75 100

77 1.2 21.6 64.8#

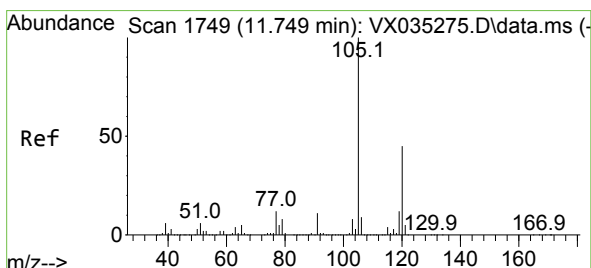
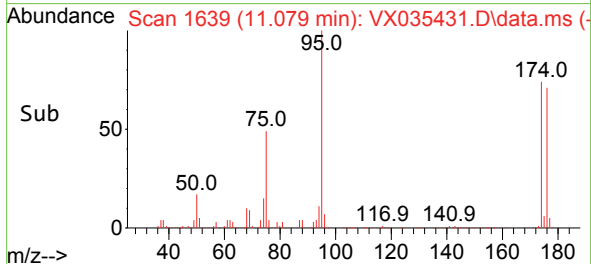
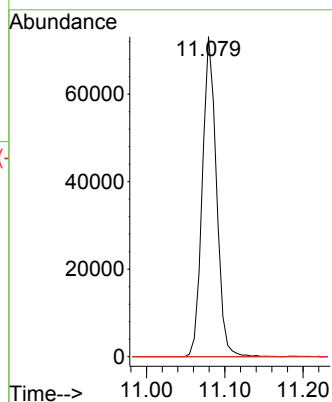
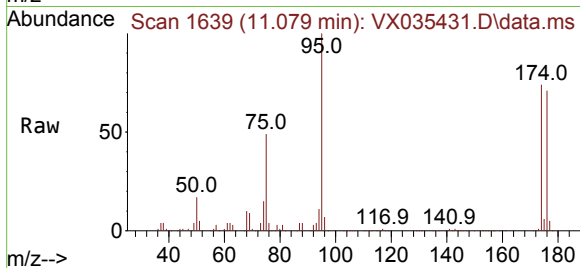




#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.717 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX035431.D
 Acq: 01 May 2023 11:32

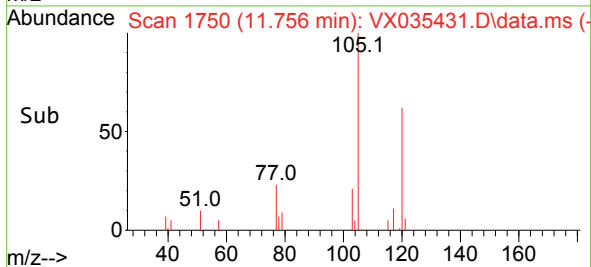
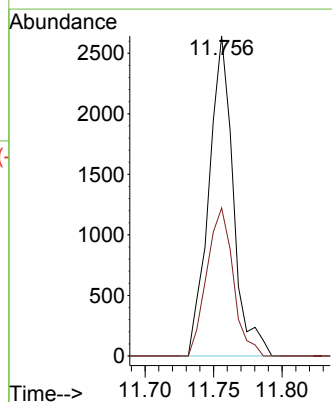
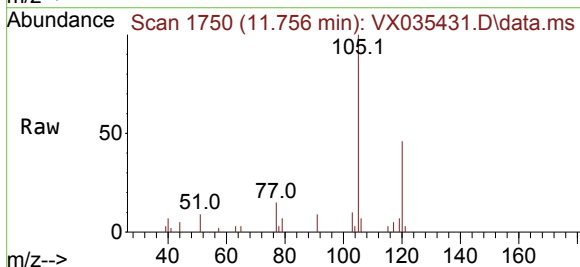
Instrument :
 MSVOA_X
 ClientSampleId :

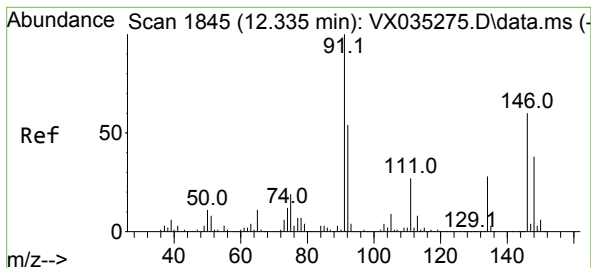
Tgt Ion: 75 Resp: 91549
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.287 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.007 min
 Lab File: VX035431.D
 Acq: 01 May 2023 11:32

Tgt Ion: 105 Resp: 3273
 Ion Ratio Lower Upper
 105 100
 120 50.0 22.4 67.0





#89

n-Butylbenzene

Concen: 0.212 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX035431.D

Acq: 01 May 2023 11:32

Instrument :

MSVOA_X

ClientSampleId :

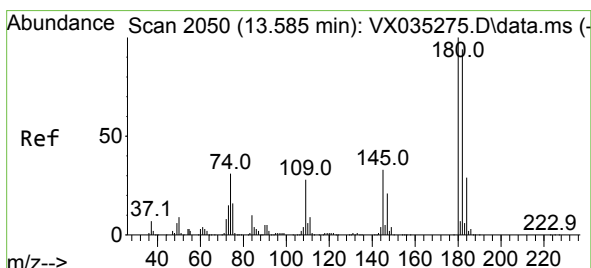
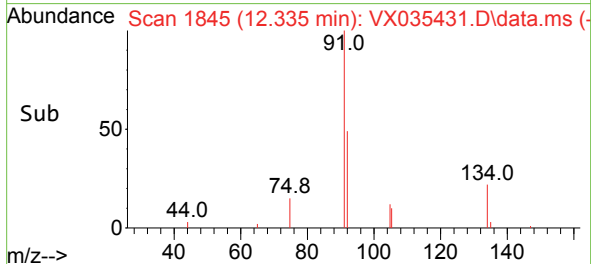
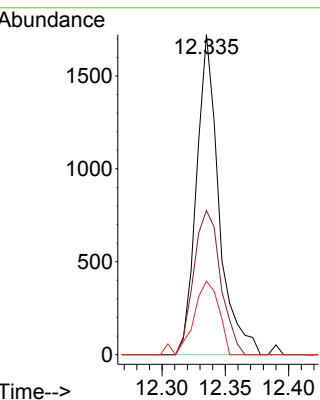
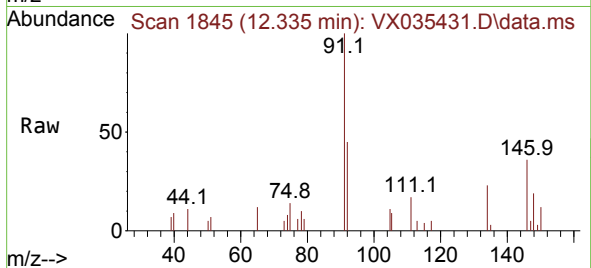
Tgt Ion: 91 Resp: 2127

Ion Ratio Lower Upper

91 100

92 54.0 27.7 83.0

134 25.9 13.0 38.9



#93

1,2,4-Trichlorobenzene

Concen: 0.438 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX035431.D

Acq: 01 May 2023 11:32

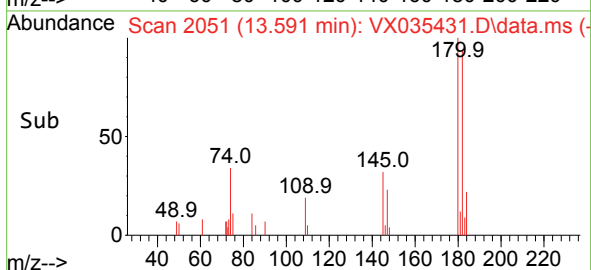
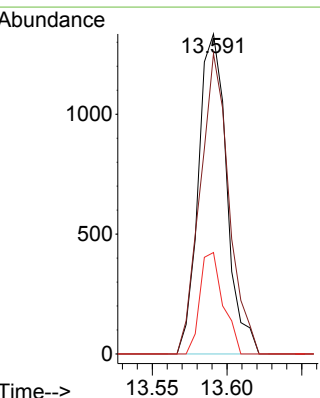
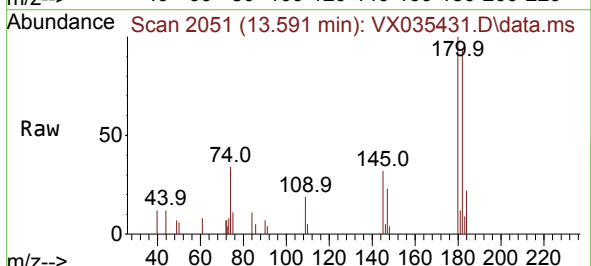
Tgt Ion: 180 Resp: 1753

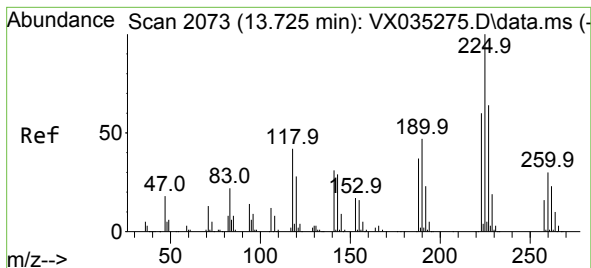
Ion Ratio Lower Upper

180 100

182 95.8 47.0 141.0

145 26.1 15.9 47.7





#94

Hexachlorobutadiene

Concen: 0.597 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX035431.D

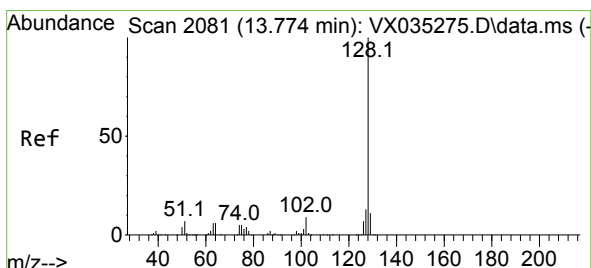
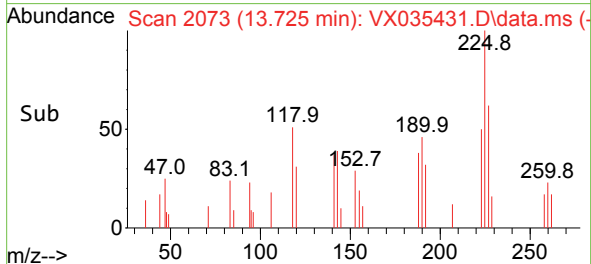
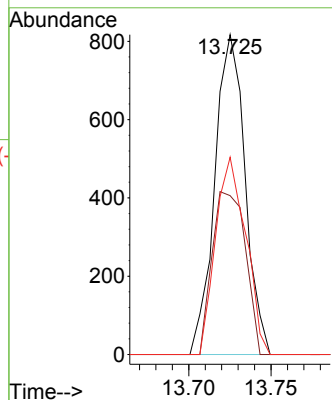
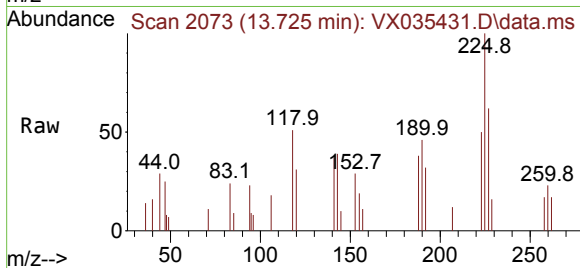
Acq: 01 May 2023 11:32

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:225	Resp:	1047
Ion Ratio	Lower	Upper
225	100	
223	55.8	32.1 96.5
227	61.6	31.8 95.4



#95

Naphthalene

Concen: 1.050 ug/l

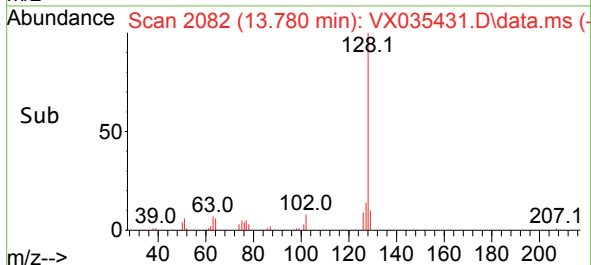
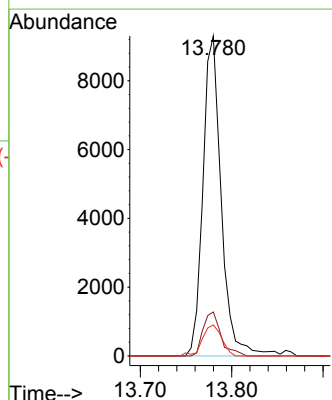
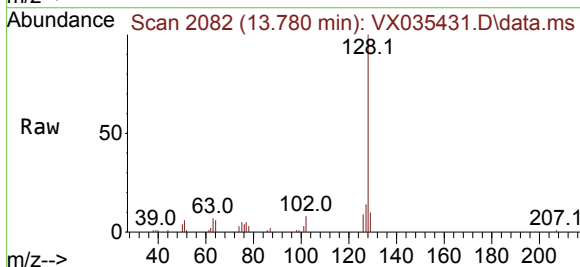
RT: 13.780 min Scan# 2082

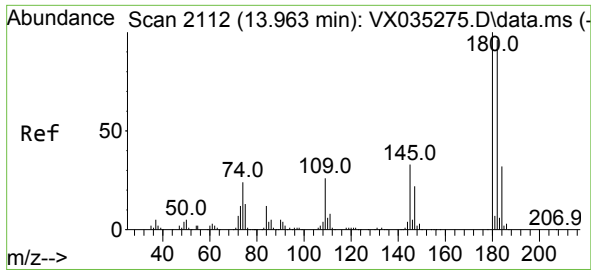
Delta R.T. 0.006 min

Lab File: VX035431.D

Acq: 01 May 2023 11:32

Tgt Ion:128	Resp:	12922
Ion Ratio	Lower	Upper
128	100	
127	13.4	10.2 15.4
129	10.2	8.6 13.0





#96

1,2,3-Trichlorobenzene

Concen: 0.363 ug/l

RT: 13.963 min Scan# 21

Delta R.T. -0.000 min

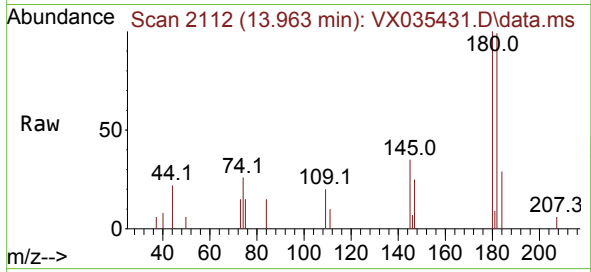
Lab File: VX035431.D

Acq: 01 May 2023 11:32

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 1459

Ion Ratio Lower Upper

180 100

182 93.5 48.0 144.2

145 37.1 17.7 53.1

