

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071423\
 Data File : VX036534.D
 Acq On : 13 Jul 2023 18:41
 Operator : JC/MD
 Sample : VX0714WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 14 04:37:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 14 04:32:22 2023
 Response via : Initial Calibration

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

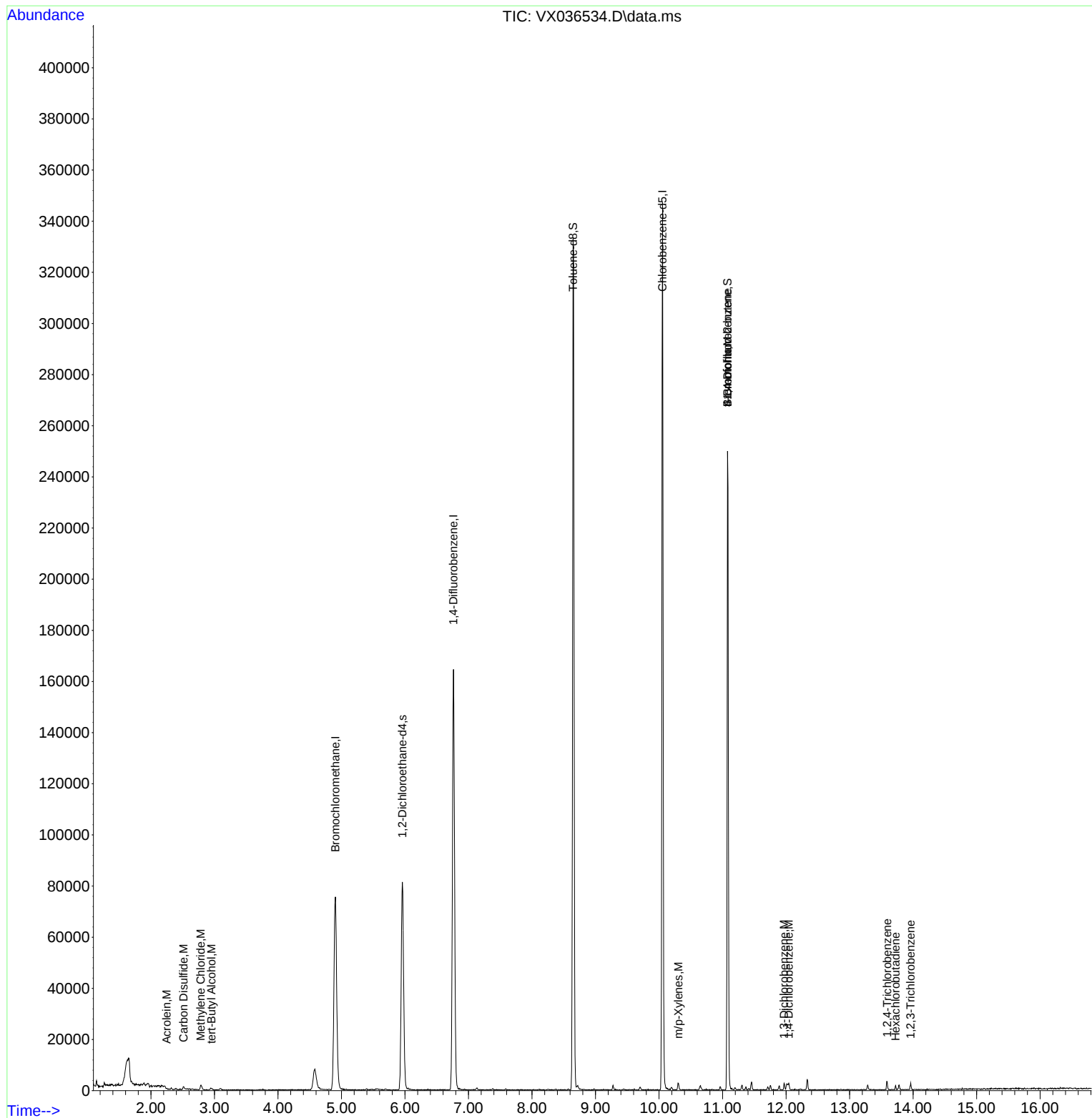
Internal Standards						
1) Bromochloromethane	4.904	128	32561	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	167282	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	150694	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	75727	28.021	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.400%
60) 4-Bromofluorobenzene	11.079	95	68209	27.904	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.000%
63) Toluene-d8	8.647	98	203852	29.397	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.000%
Target Compounds						
					Qvalue	
13) Acrolein	2.246	56	130	0.354	ug/l #	53
16) Carbon Disulfide	2.514	76	1615	0.349	ug/l #	88
18) Methylene Chloride	2.782	84	552	0.241	ug/l #	81
23) tert-Butyl Alcohol	2.953	59	317	0.544	ug/l #	1
56) Bromoform	11.079	173	596	0.410	ug/l #	1
67) m/p-Xylenes	10.305	106	805	0.225	ug/l	98
77) t-1,4-Dichloro-2-butene	11.079	75	34976	35.564	ug/l #	7
83) 1,3-Dichlorobenzene	11.969	146	861	0.211	ug/l	91
84) 1,4-Dichlorobenzene	12.043	146	973	0.240	ug/l	93
89) 1,2,4-Trichlorobenzene	13.591	180	962	0.374	ug/l	93
90) Hexachlorobutadiene	13.725	225	299	0.320	ug/l	77
92) 1,2,3-Trichlorobenzene	13.963	180	712	0.274	ug/l	95

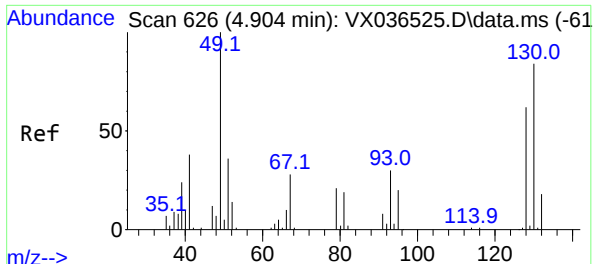
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071423\
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ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

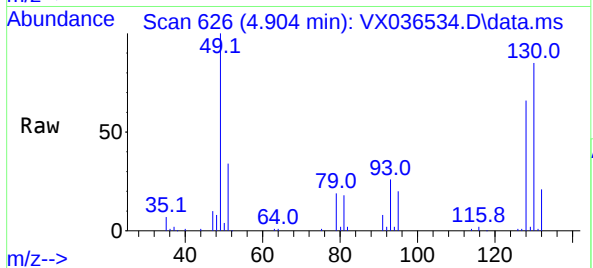
Quant Time: Jul 14 04:37:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 14 04:32:22 2023
Response via : Initial Calibration



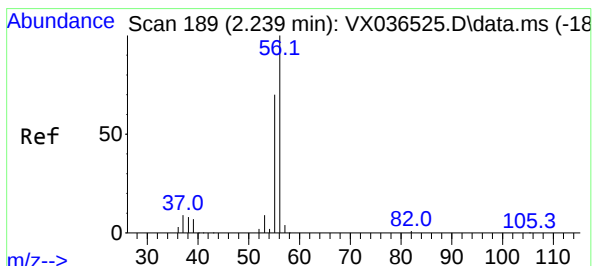
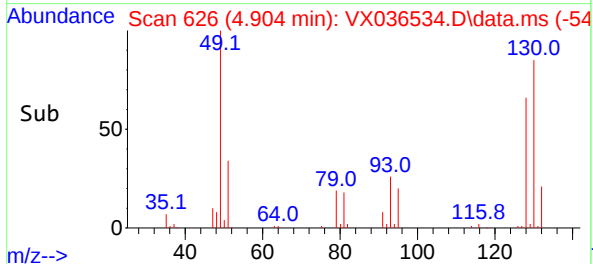
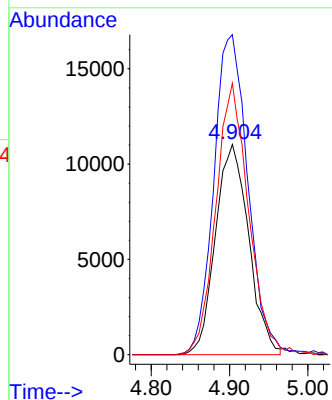


#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.904 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VX036534.D
 Acq: 13 Jul 2023 18:41

Instrument :
 MSVOA_X
 ClientSampleId :

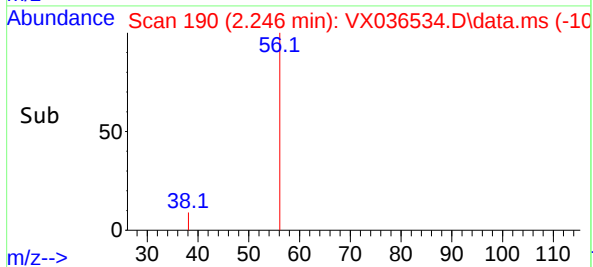
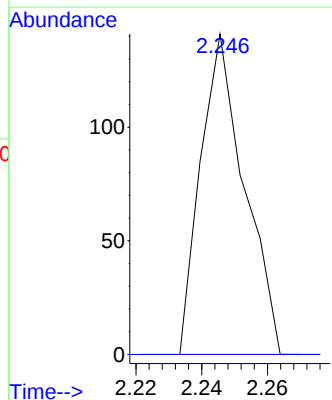
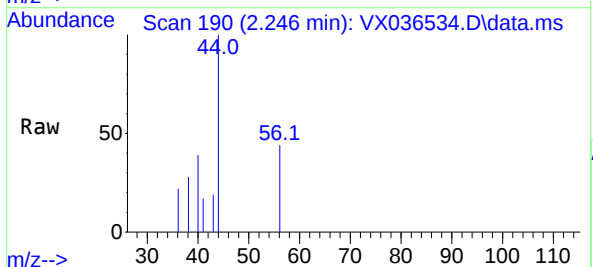


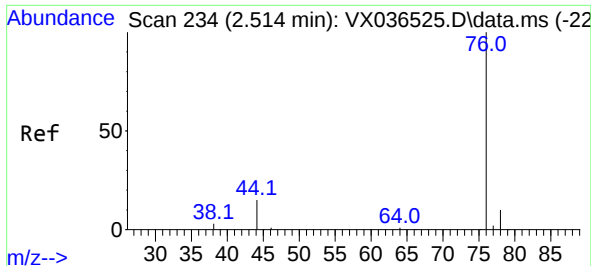
Tgt Ion:128 Resp: 32561
 Ion Ratio Lower Upper
 128 100
 49 156.9 0.0 406.3
 130 126.5 0.0 328.0



#13
 Acrolein
 Concen: 0.354 ug/l
 RT: 2.246 min Scan# 190
 Delta R.T. 0.006 min
 Lab File: VX036534.D
 Acq: 13 Jul 2023 18:41

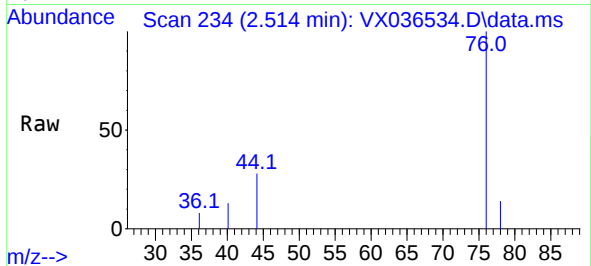
Tgt Ion: 56 Resp: 130
 Ion Ratio Lower Upper
 56 100
 55 34.6 59.7 89.5#



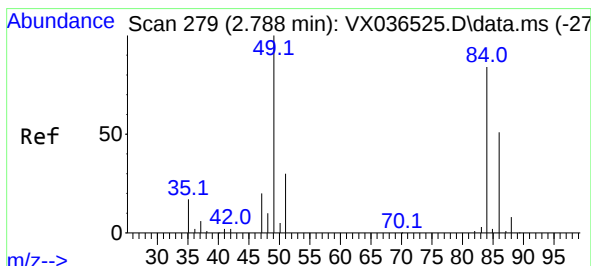
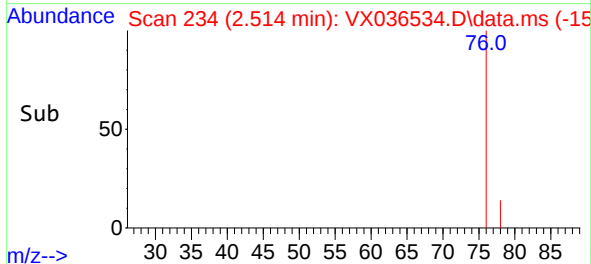
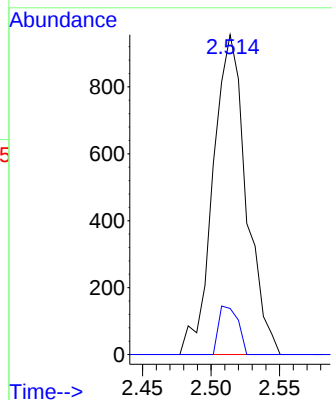


#16
Carbon Disulfide
Concen: 0.349 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX036534.D
Acq: 13 Jul 2023 18:41

Instrument :
MSVOA_X
ClientSampleId :

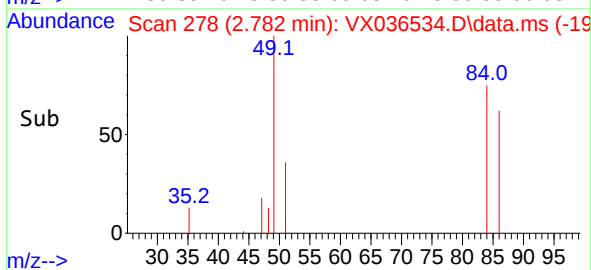
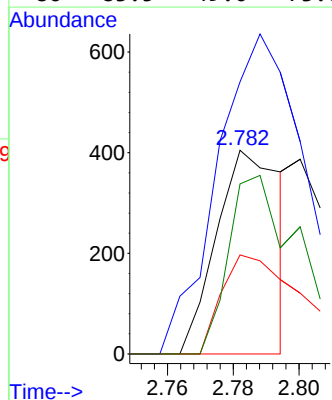
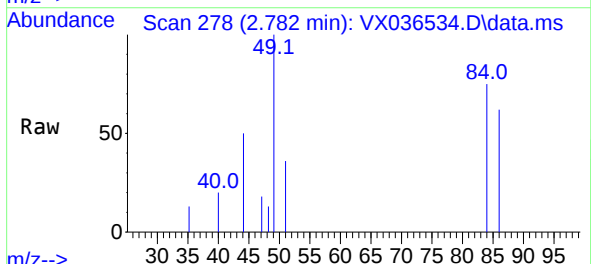


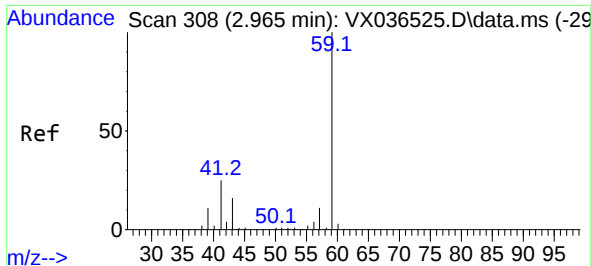
Tgt Ion: 76 Resp: 1615
Ion Ratio Lower Upper
76 100
78 14.4 8.0 12.0#



#18
Methylene Chloride
Concen: 0.241 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX036534.D
Acq: 13 Jul 2023 18:41

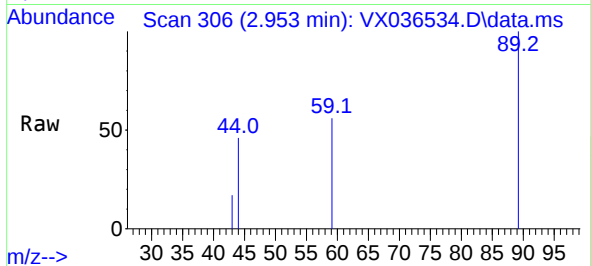
Tgt Ion: 84 Resp: 552
Ion Ratio Lower Upper
84 100
49 105.2 95.4 143.0
51 48.6 28.3 42.5#
86 83.5 49.0 73.6#



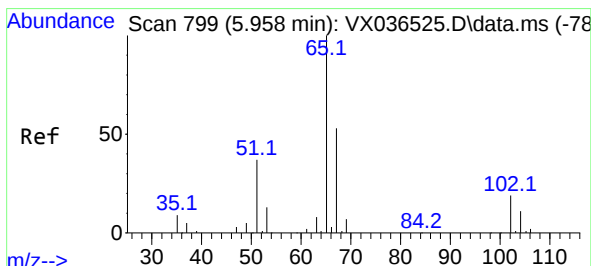
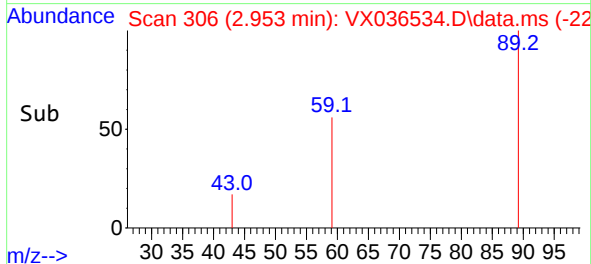
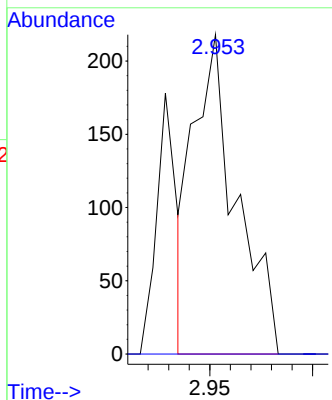


#23
tert-Butyl Alcohol
Concen: 0.544 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX036534.D
Acq: 13 Jul 2023 18:41

Instrument :
MSVOA_X
ClientSampleId :

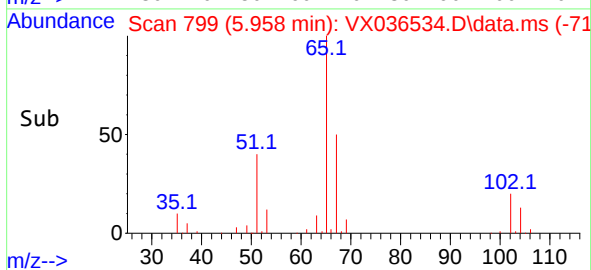
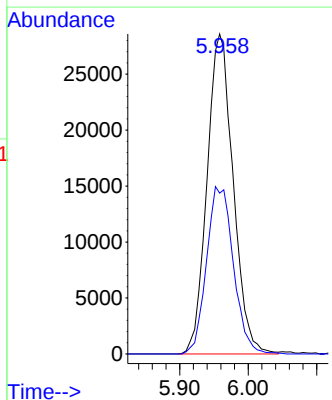
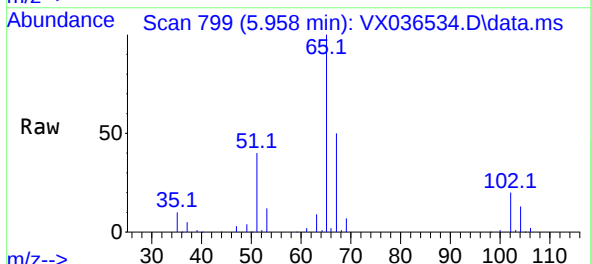


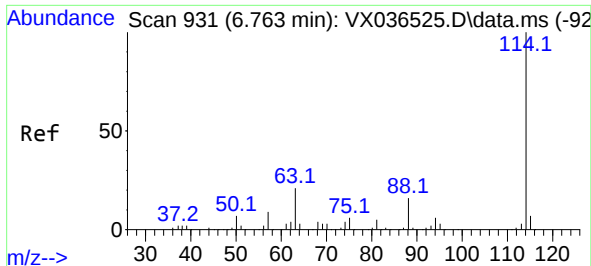
Tgt Ion: 59 Resp: 317
Ion Ratio Lower Upper
59 100
52 0.0 142.6 213.8#



#27
1,2-Dichloroethane-d4
Concen: 28.021 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036534.D
Acq: 13 Jul 2023 18:41

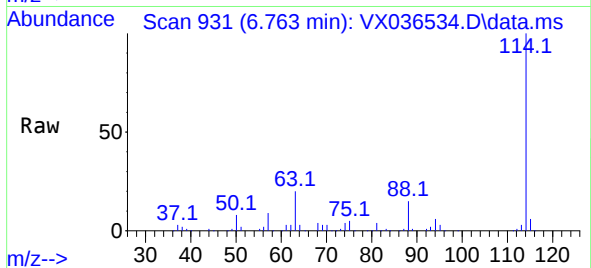
Tgt Ion: 65 Resp: 75727
Ion Ratio Lower Upper
65 100
67 53.8 42.1 63.1



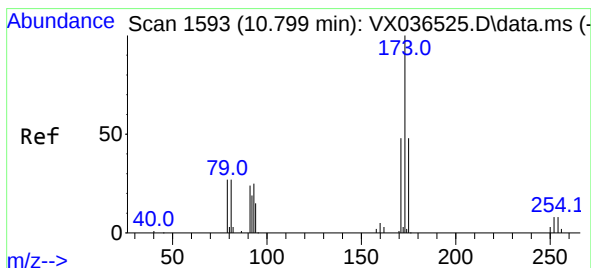
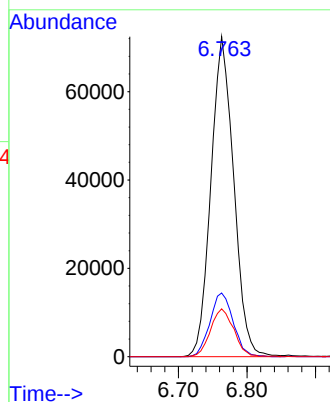
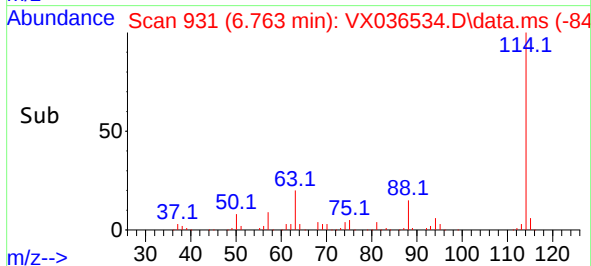


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX036534.D
Acq: 13 Jul 2023 18:41

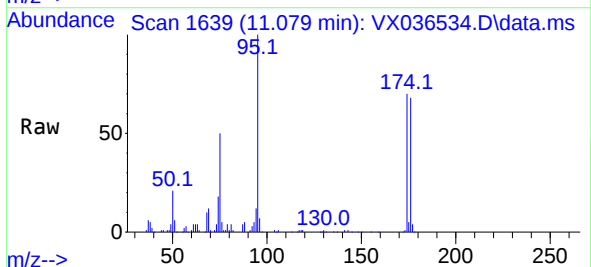
Instrument :
MSVOA_X
ClientSampleId :



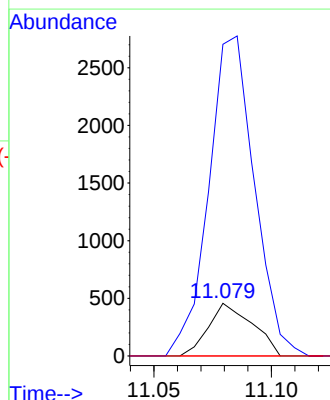
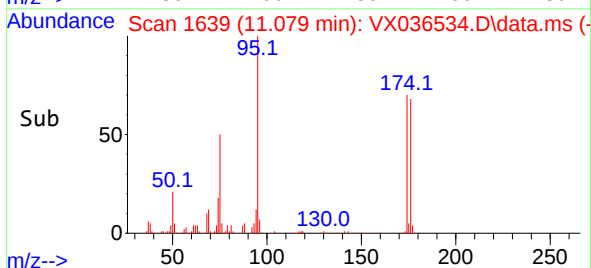
Tgt Ion:114 Resp: 167282
Ion Ratio Lower Upper
114 100
63 20.4 16.6 24.8
88 15.2 12.9 19.3

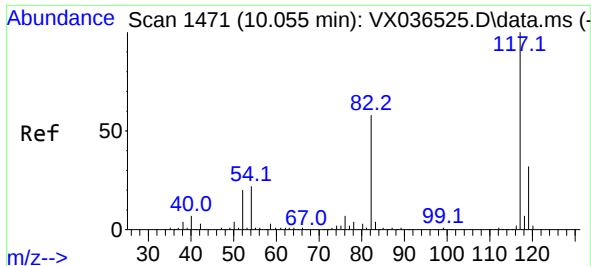


#56
Bromoform
Concen: 0.410 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX036534.D
Acq: 13 Jul 2023 18:41



Tgt Ion:173 Resp: 596
Ion Ratio Lower Upper
173 100
175 630.9 38.1 57.1#
254 0.0 6.7 10.1#

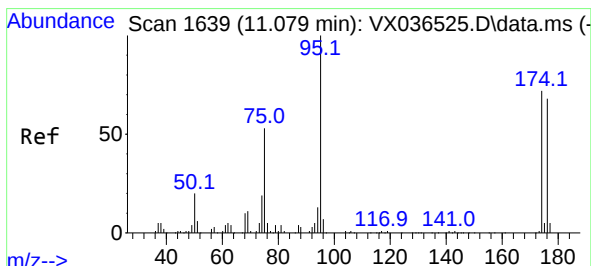
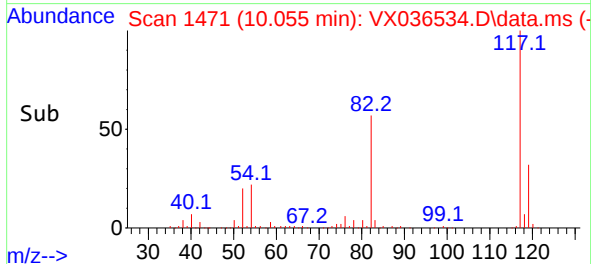
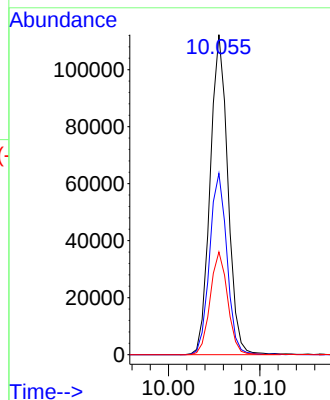
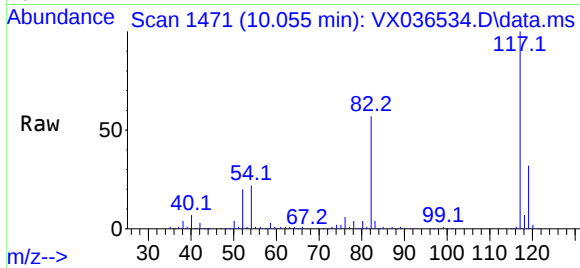




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036534.D
Acq: 13 Jul 2023 18:41

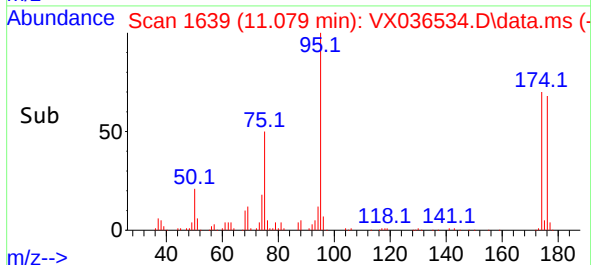
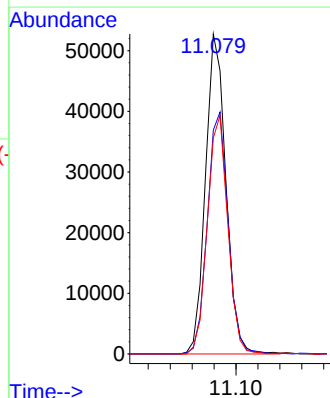
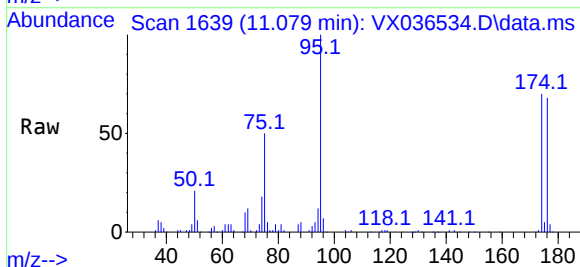
Instrument :
MSVOA_X
ClientSampleId :

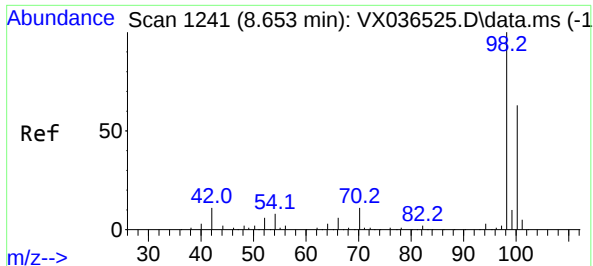
Tgt Ion:117 Resp: 150694
Ion Ratio Lower Upper
117 100
82 55.5 44.7 67.1
119 31.7 25.6 38.4



#60
4-Bromofluorobenzene
Concen: 27.904 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036534.D
Acq: 13 Jul 2023 18:41

Tgt Ion: 95 Resp: 68209
Ion Ratio Lower Upper
95 100
174 76.7 60.5 90.7
176 74.2 58.2 87.4

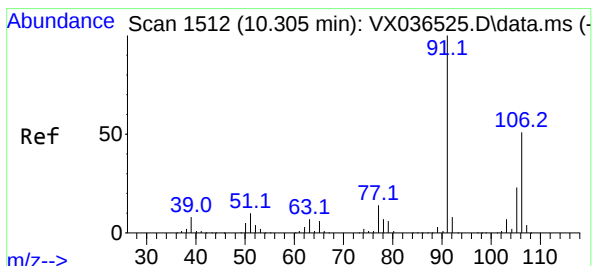
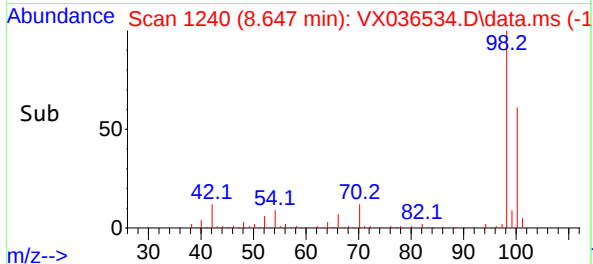
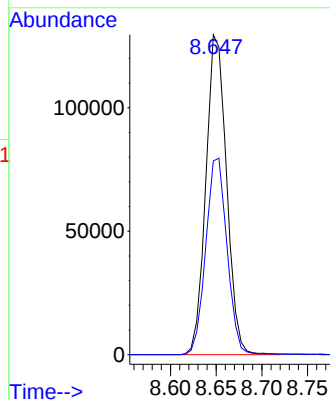
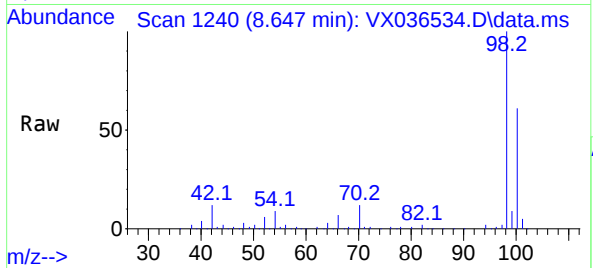




#63
Toluene-d8
Concen: 29.397 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX036534.D
Acq: 13 Jul 2023 18:41

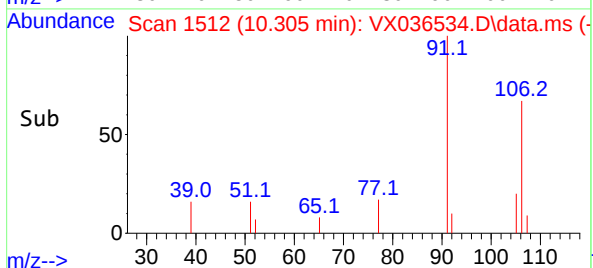
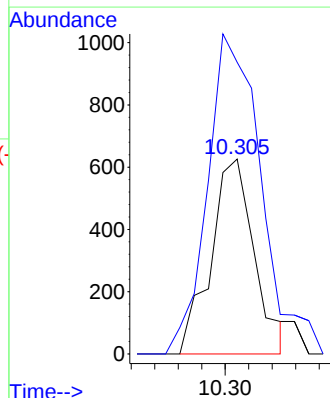
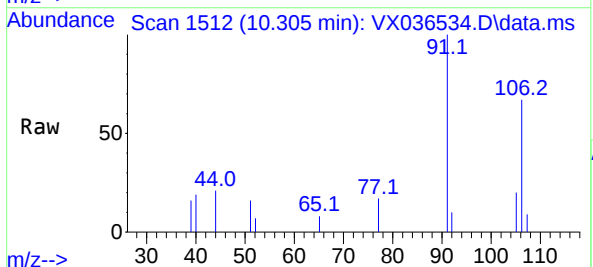
Instrument :
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ClientSampleId :

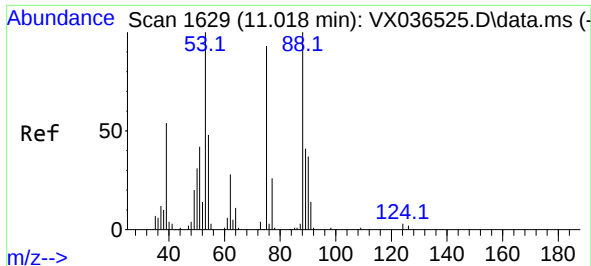
Tgt Ion: 98 Resp: 203852
Ion Ratio Lower Upper
98 100
100 62.9 51.6 77.4



#67
m/p-Xylenes
Concen: 0.225 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX036534.D
Acq: 13 Jul 2023 18:41

Tgt Ion:106 Resp: 805
Ion Ratio Lower Upper
106 100
91 197.4 160.5 240.7





#77

t-1,4-Dichloro-2-butene

Concen: 35.564 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX036534.D

Acq: 13 Jul 2023 18:41

Instrument :

MSVOA_X

ClientSampleId :

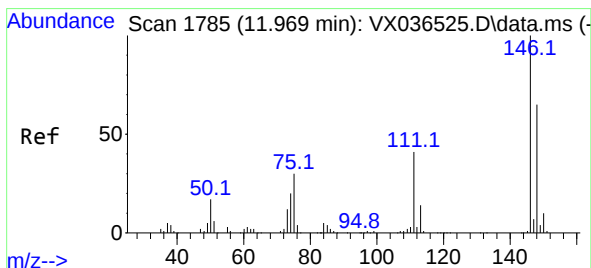
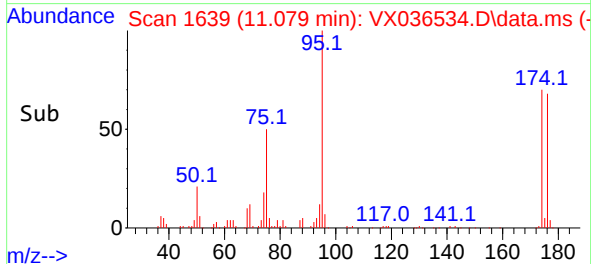
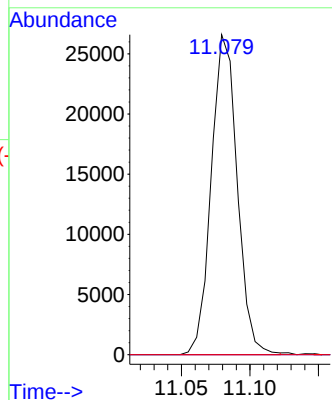
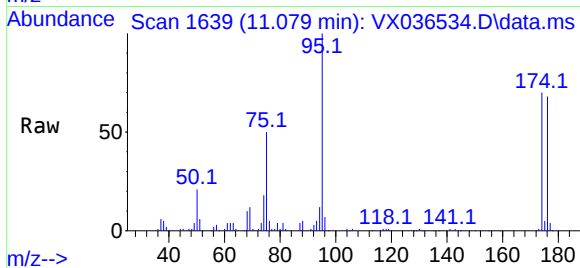
Tgt Ion: 75 Resp: 34976

Ion Ratio Lower Upper

75 100

53 0.0 53.9 161.7#

89 0.0 22.1 66.1#



#83

1,3-Dichlorobenzene

Concen: 0.211 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX036534.D

Acq: 13 Jul 2023 18:41

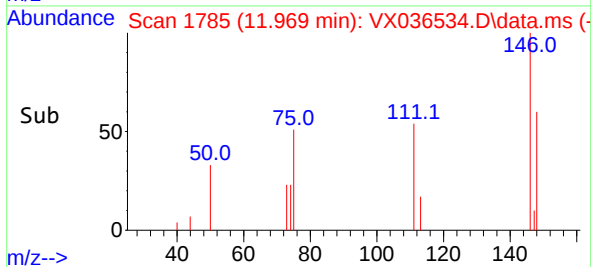
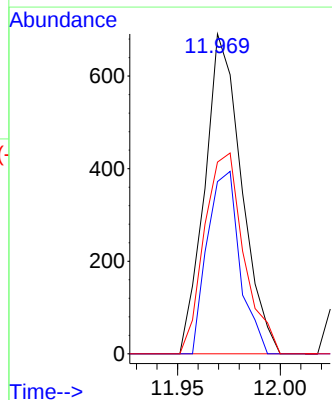
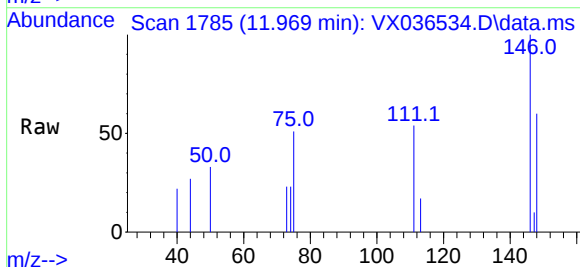
Tgt Ion:146 Resp: 861

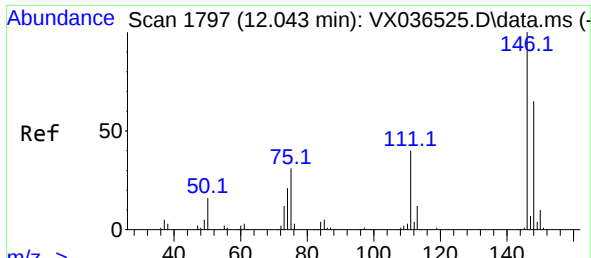
Ion Ratio Lower Upper

146 100

111 50.4 20.4 61.2

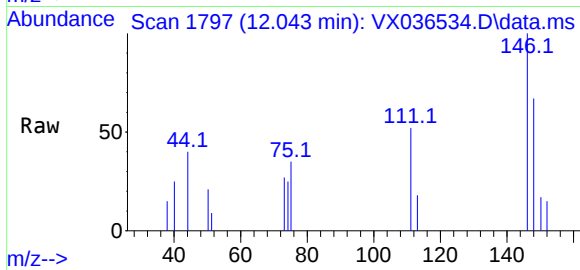
148 67.5 31.6 94.8



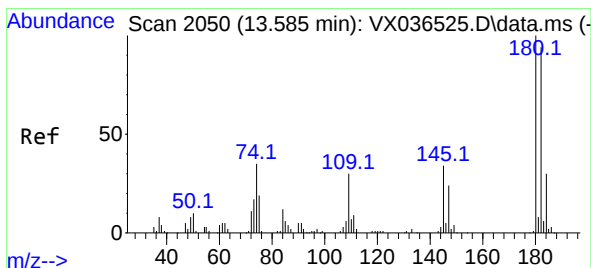
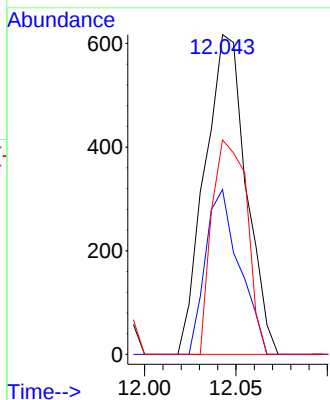
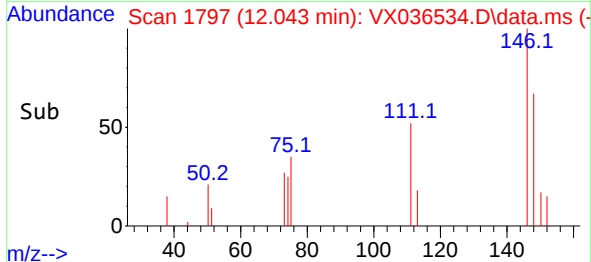


#84
1,4-Dichlorobenzene
Concen: 0.240 ug/l
RT: 12.043 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036534.D
Acq: 13 Jul 2023 18:41

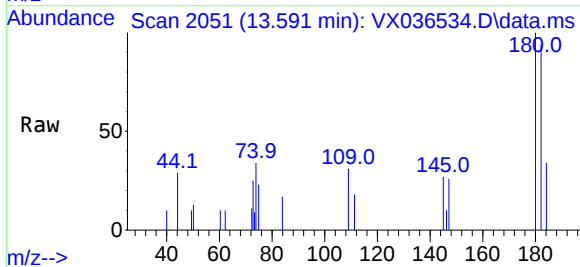
Instrument :
MSVOA_X
ClientSampleId :



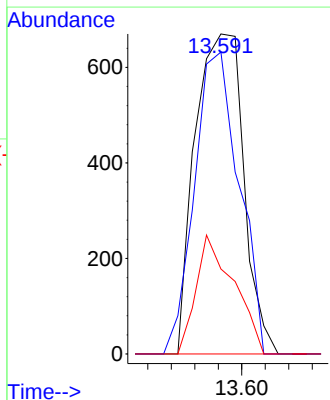
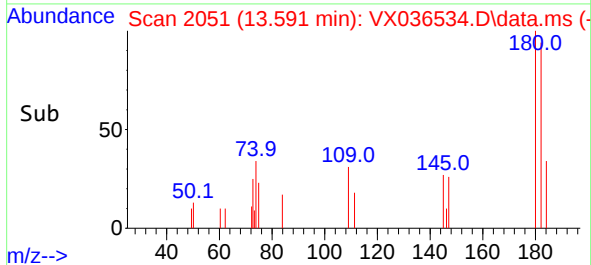
Tgt Ion:146 Resp: 973
Ion Ratio Lower Upper
146 100
111 42.4 20.2 60.6
148 56.6 32.1 96.3

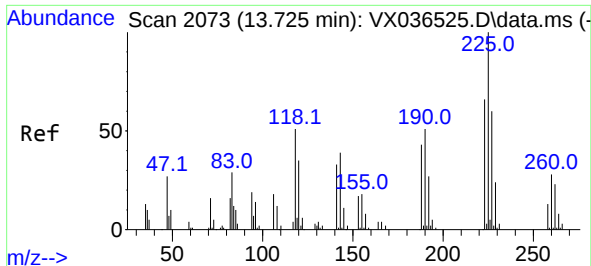


#89
1,2,4-Trichlorobenzene
Concen: 0.374 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX036534.D
Acq: 13 Jul 2023 18:41



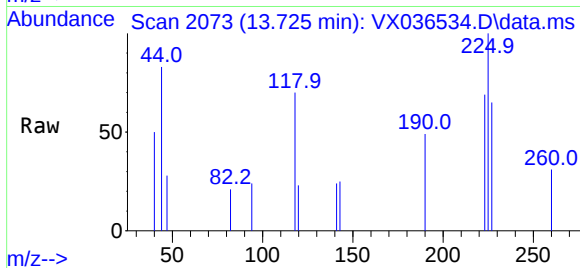
Tgt Ion:180 Resp: 962
Ion Ratio Lower Upper
180 100
182 86.7 75.6 113.4
145 29.0 25.4 38.2



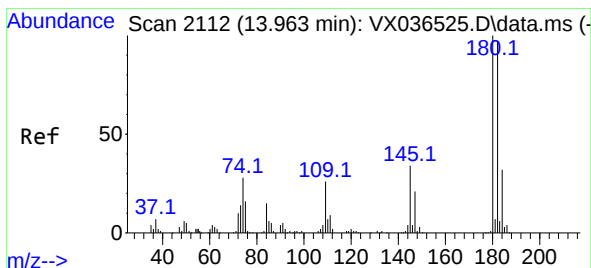
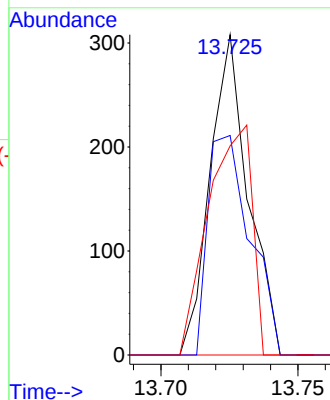
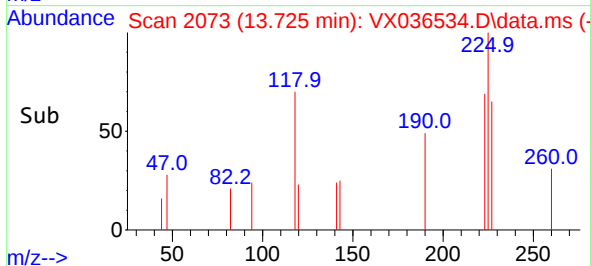


#90
Hexachlorobutadiene
Concen: 0.320 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX036534.D
Acq: 13 Jul 2023 18:41

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:225 Resp: 299
Ion Ratio Lower Upper
225 100
223 76.3 0.0 124.2
227 81.9 0.0 120.4



#92
1,2,3-Trichlorobenzene
Concen: 0.274 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX036534.D
Acq: 13 Jul 2023 18:41

Tgt Ion:180 Resp: 712
Ion Ratio Lower Upper
180 100
182 101.1 0.0 190.6
145 32.7 0.0 66.8

