

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072823\
 Data File : VX036696.D
 Acq On : 28 Jul 2023 10:46
 Operator : JC/MD
 Sample : VX0728WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0728WBL01

Quant Time: Jul 28 16:16:25 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)

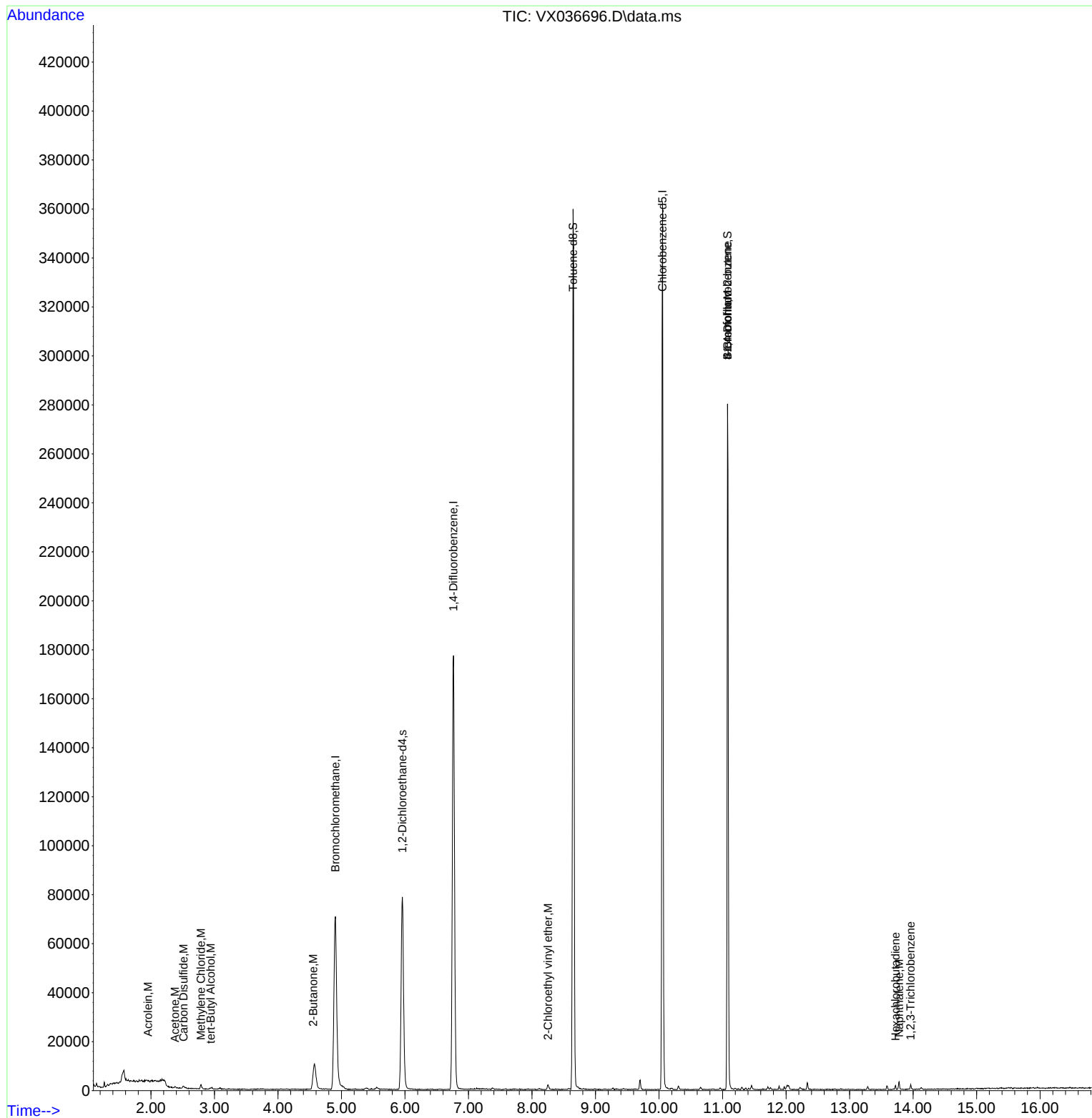
Internal Standards						
1) Bromochloromethane	4.903	128	31198	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	182656	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	159357	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	76116	29.396	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.000%
60) 4-Bromofluorobenzene	11.079	95	75483	29.201	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.333%
63) Toluene-d8	8.647	98	217144	29.612	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.700%
Target Compounds						
					Qvalue	
13) Acrolein	1.953	56	136	0.386	ug/l	87
15) Acetone	2.380	58	133	0.391	ug/l #	1
16) Carbon Disulfide	2.514	76	1452	0.328	ug/l #	73
18) Methylene Chloride	2.788	84	811	0.369	ug/l #	83
23) tert-Butyl Alcohol	2.940	59	185	0.331	ug/l #	1
30) 2-Butanone	4.556	43	400	0.231	ug/l #	55
55) 2-Chloroethyl vinyl ether	8.250	63	903	0.473	ug/l #	88
56) Bromoform	11.079	173	496	0.312	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	39633	38.108	ug/l #	7
90) Hexachlorobutadiene	13.725	225	282	0.285	ug/l	89
91) Naphthalene	13.780	128	2106	0.220	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	584	0.212	ug/l	91

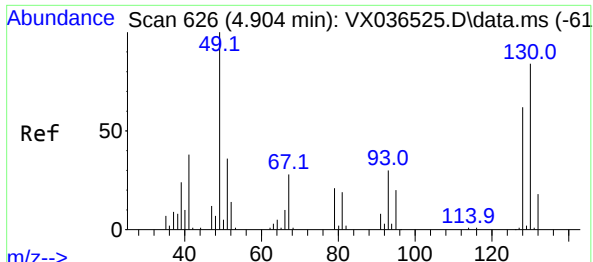
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 28 16:16:25 2023
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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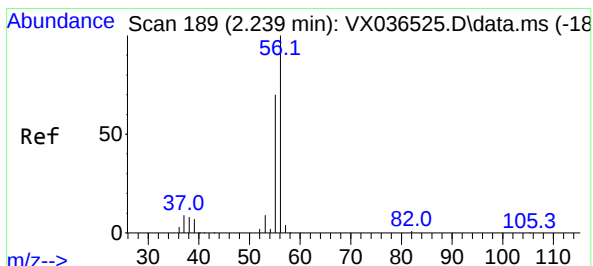
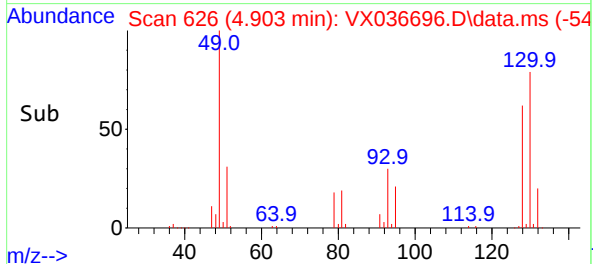
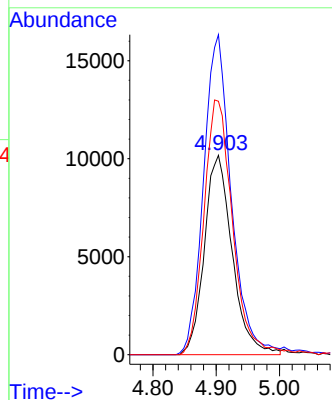
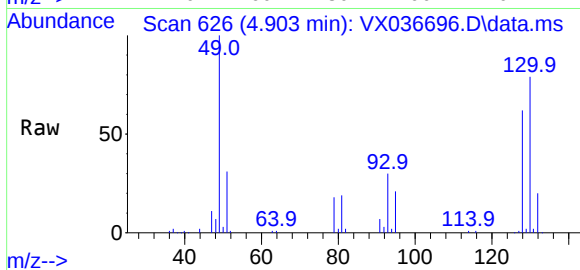




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX036696.D
Acq: 28 Jul 2023 10:46

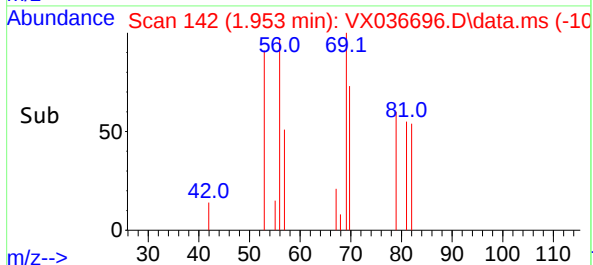
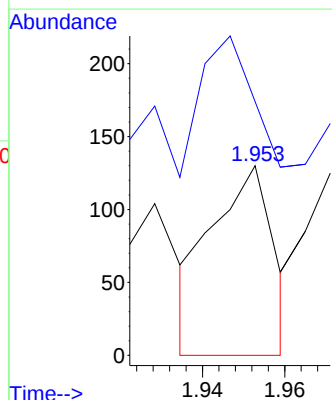
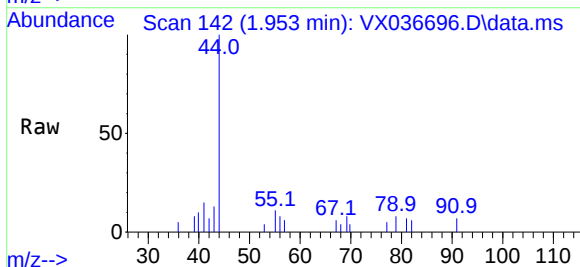
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBL01

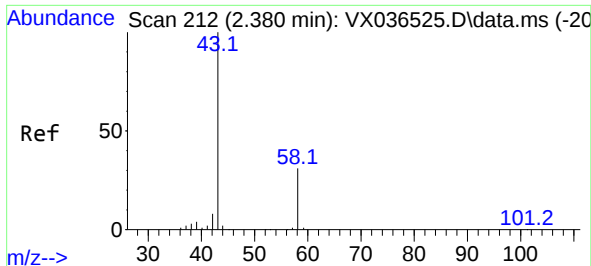
Tgt Ion:128 Resp: 31198
Ion Ratio Lower Upper
128 100
49 159.5 0.0 406.3
130 129.7 0.0 328.0



#13
Acrolein
Concen: 0.386 ug/l
RT: 1.953 min Scan# 142
Delta R.T. -0.287 min
Lab File: VX036696.D
Acq: 28 Jul 2023 10:46

Tgt Ion: 56 Resp: 136
Ion Ratio Lower Upper
56 100
55 63.2 59.7 89.5





#15

Acetone

Concen: 0.391 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX036696.D

Acq: 28 Jul 2023 10:46

Instrument :

MSVOA_X

ClientSampleId :

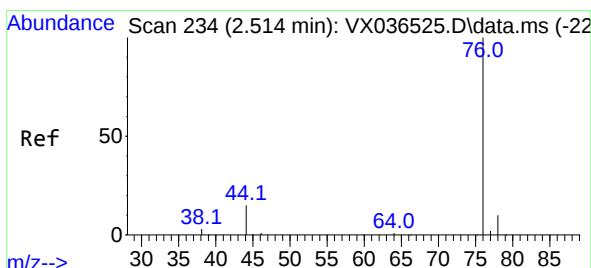
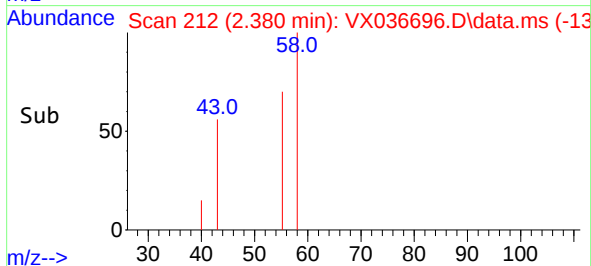
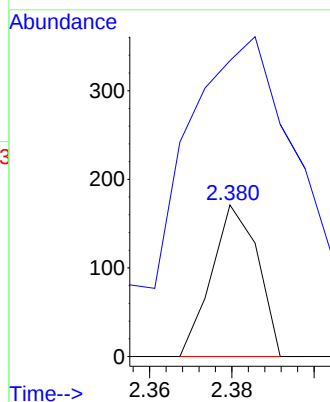
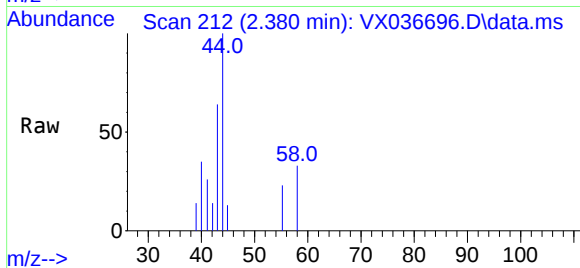
VX0728WBL01

Tgt Ion: 58 Resp: 133

Ion Ratio Lower Upper

58 100

43 53.8 261.0 391.4#



#16

Carbon Disulfide

Concen: 0.328 ug/l

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX036696.D

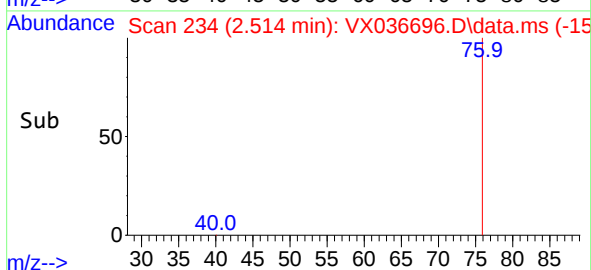
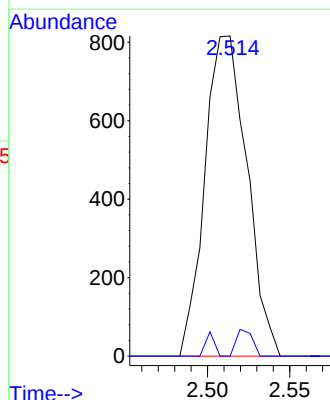
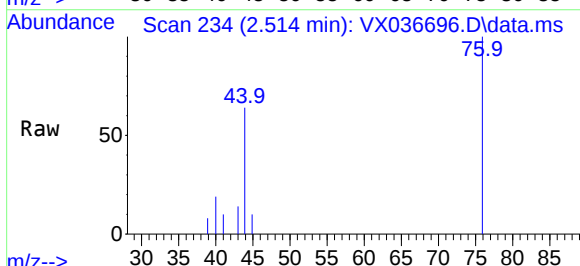
Acq: 28 Jul 2023 10:46

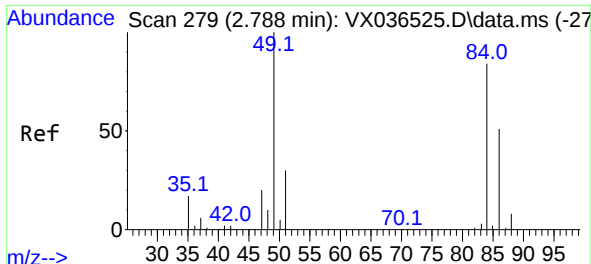
Tgt Ion: 76 Resp: 1452

Ion Ratio Lower Upper

76 100

78 0.0 8.0 12.0#

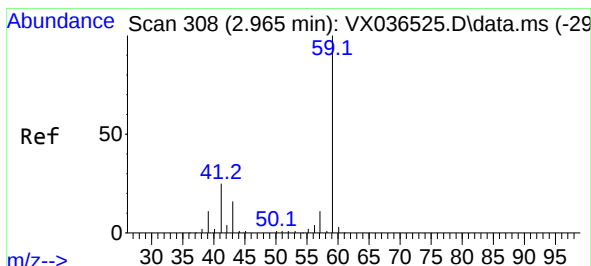
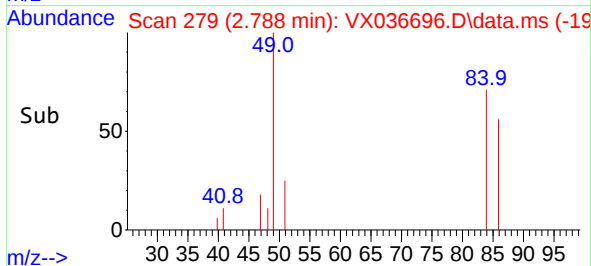
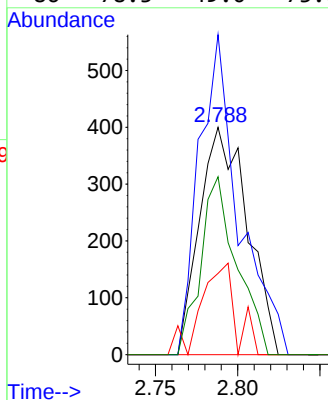
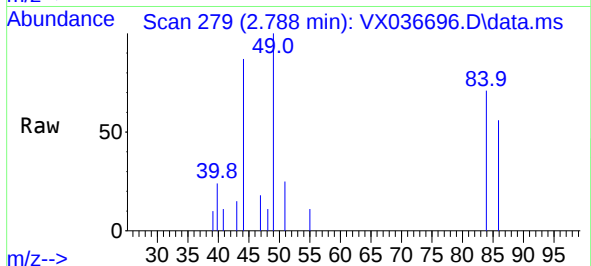




#18
Methylene Chloride
Concen: 0.369 ug/l
RT: 2.788 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX036696.D
Acq: 28 Jul 2023 10:46

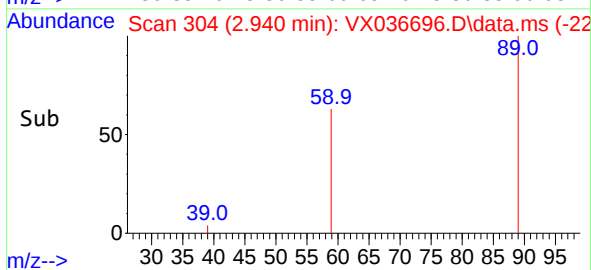
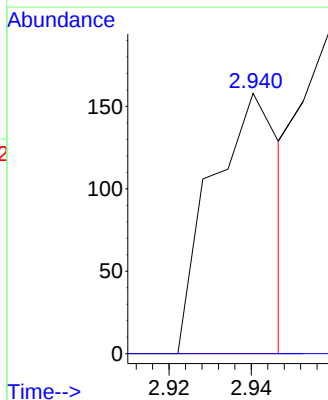
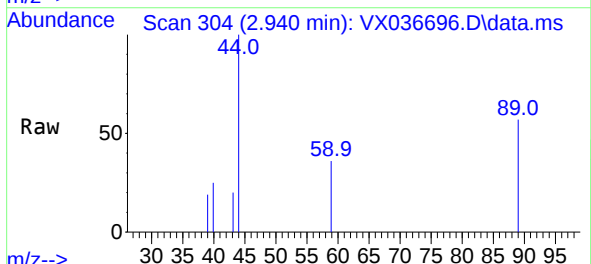
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBL01

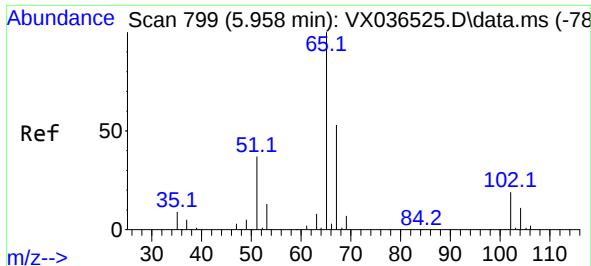
Tgt Ion: 84	Resp: 811
Ion Ratio	Lower Upper
84 100	
49 140.7	95.4 143.0
51 35.8	28.3 42.5
86 78.3	49.0 73.6#



#23
tert-Butyl Alcohol
Concen: 0.331 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.025 min
Lab File: VX036696.D
Acq: 28 Jul 2023 10:46

Tgt Ion: 59	Resp: 185		
Ion Ratio	Lower	Upper	
59 100			
52 0.0	142.6	213.8	#

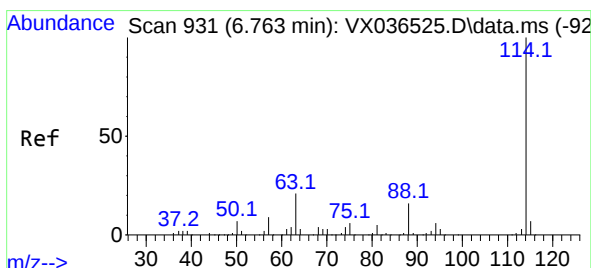
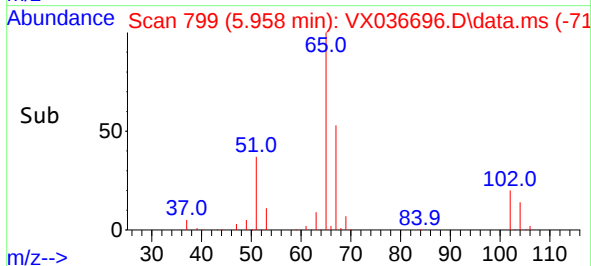
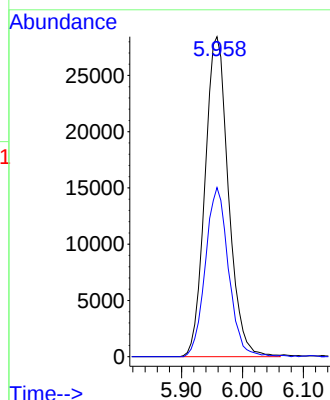
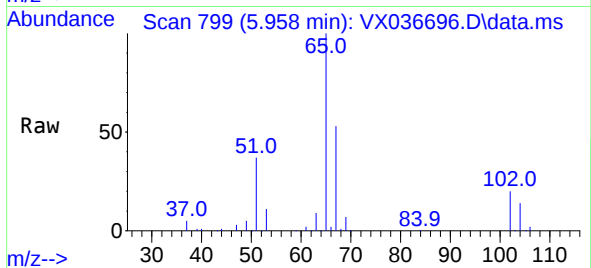




#27
1,2-Dichloroethane-d4
Concen: 29.396 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX036696.D
Acq: 28 Jul 2023 10:46

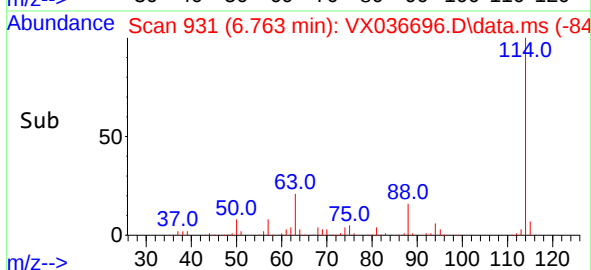
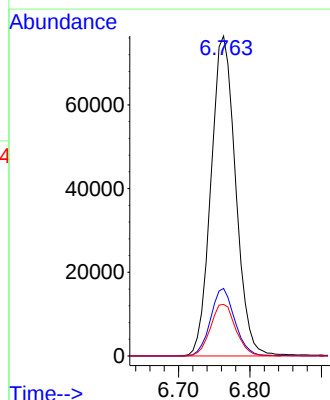
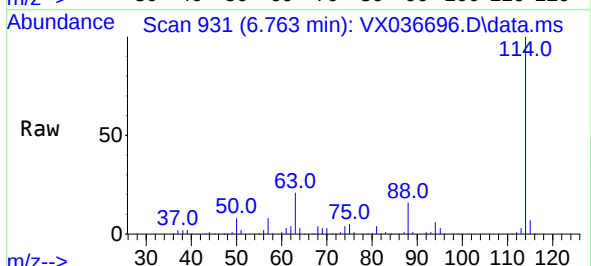
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBL01

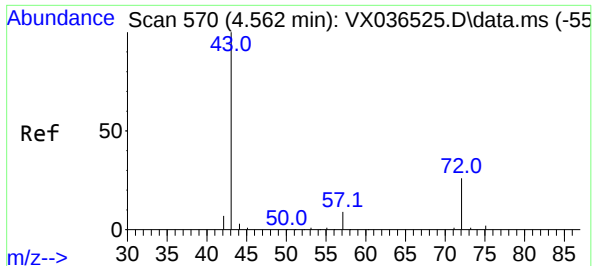
Tgt Ion: 65 Resp: 76116
Ion Ratio Lower Upper
65 100
67 52.1 42.1 63.1



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX036696.D
Acq: 28 Jul 2023 10:46

Tgt Ion: 114 Resp: 182656
Ion Ratio Lower Upper
114 100
63 20.9 16.6 24.8
88 16.5 12.9 19.3





#30

2-Butanone

Concen: 0.231 ug/l

RT: 4.556 min Scan# 5

Delta R.T. -0.006 min

Lab File: VX036696.D

Acq: 28 Jul 2023 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBL01

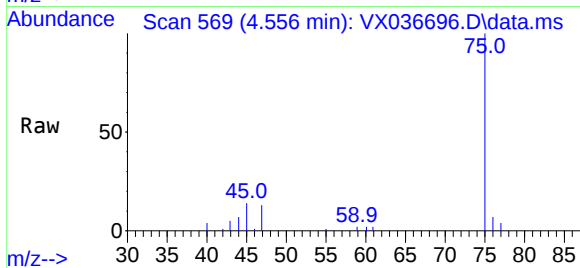
Tgt Ion: 43 Resp: 400

Ion Ratio Lower Upper

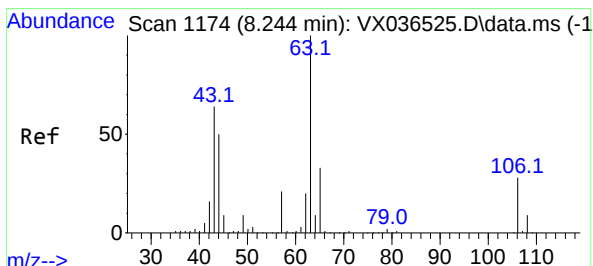
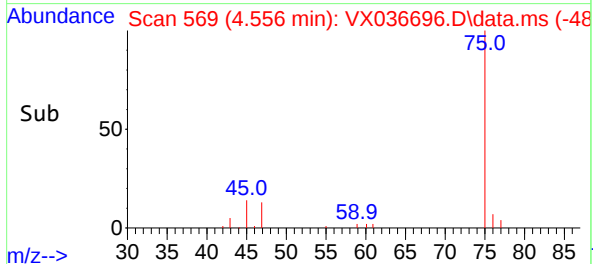
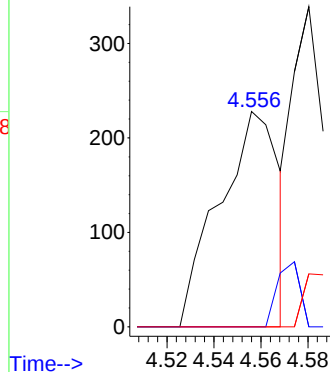
43 100

57 0.0 6.4 9.6#

72 0.0 21.6 32.4#



Abundance



#55

2-Chloroethyl vinyl ether

Concen: 0.473 ug/l

RT: 8.250 min Scan# 1175

Delta R.T. 0.006 min

Lab File: VX036696.D

Acq: 28 Jul 2023 10:46

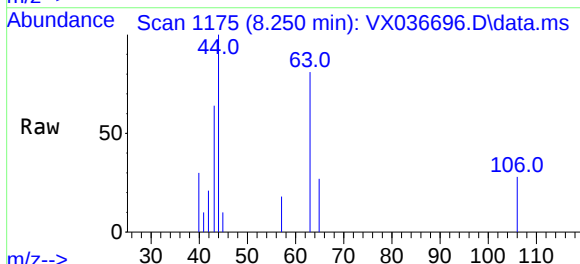
Tgt Ion: 63 Resp: 903

Ion Ratio Lower Upper

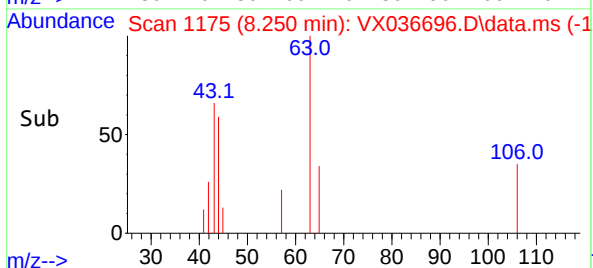
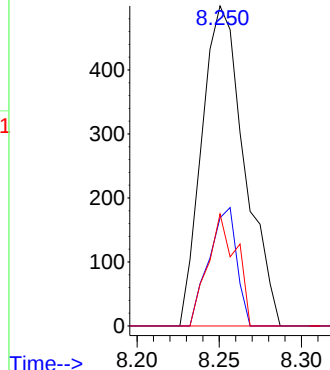
63 100

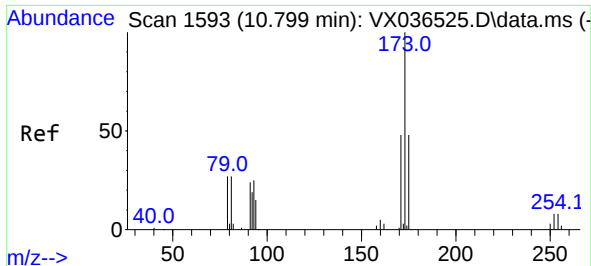
65 24.0 25.9 38.9#

106 23.4 21.8 32.8



Abundance

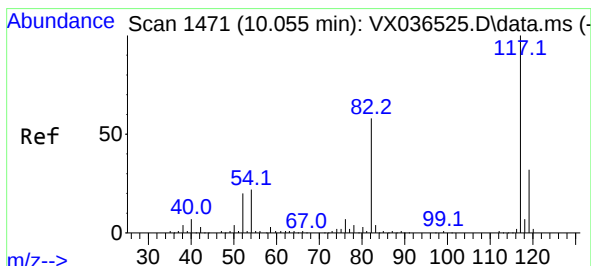
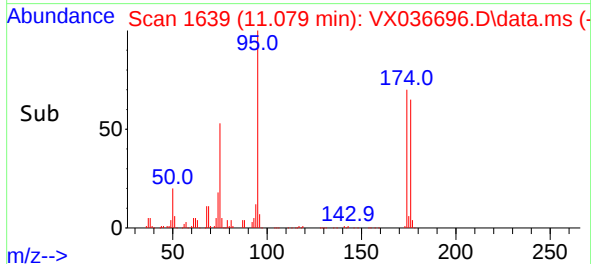
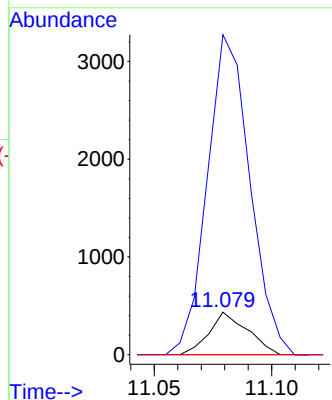
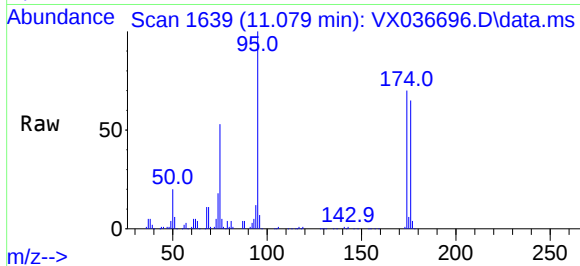




#56
Bromoform
Concen: 0.312 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.280 min
Lab File: VX036696.D
Acq: 28 Jul 2023 10:46

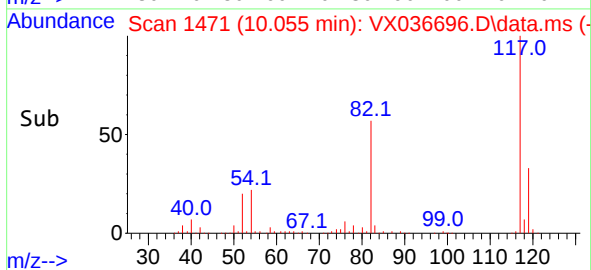
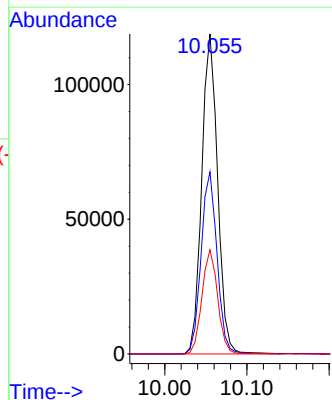
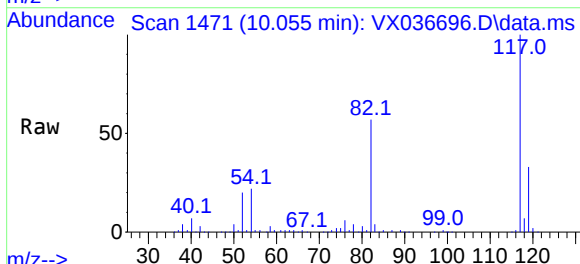
Instrument :
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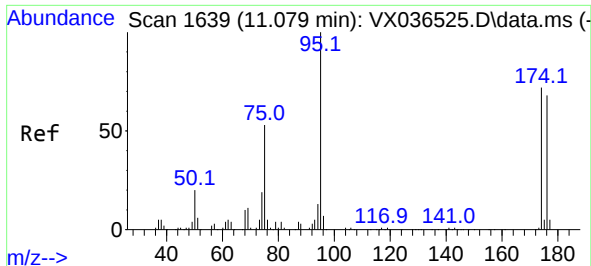
Tgt Ion:173 Resp: 496
Ion Ratio Lower Upper
173 100
175 833.5 38.1 57.1#
254 0.0 6.7 10.1#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036696.D
Acq: 28 Jul 2023 10:46

Tgt Ion:117 Resp: 159357
Ion Ratio Lower Upper
117 100
82 57.0 44.7 67.1
119 32.2 25.6 38.4

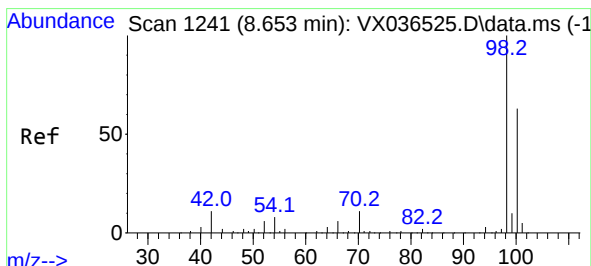
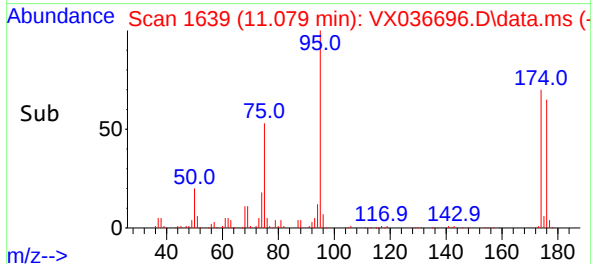
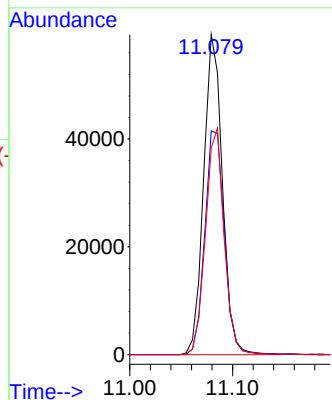
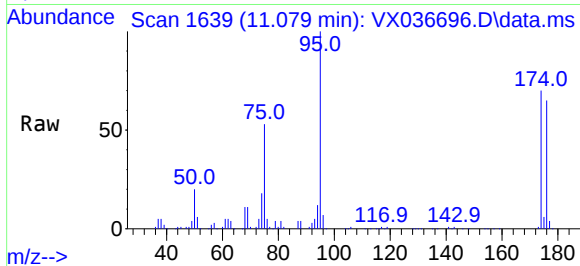




#60
4-Bromofluorobenzene
Concen: 29.201 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036696.D
Acq: 28 Jul 2023 10:46

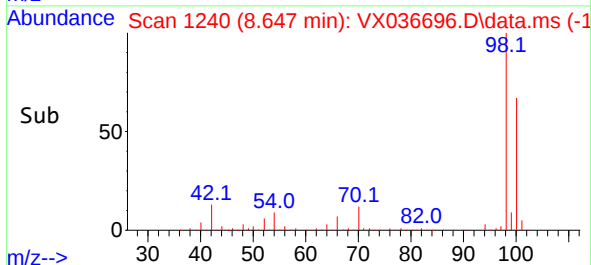
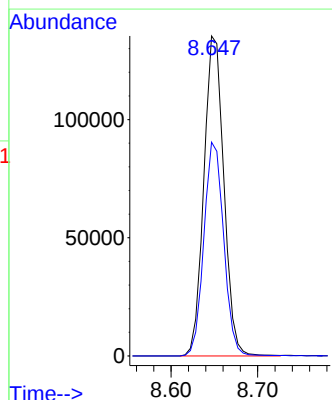
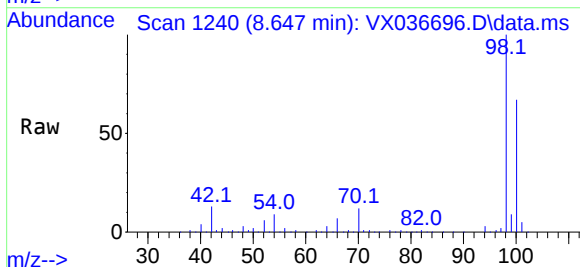
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBL01

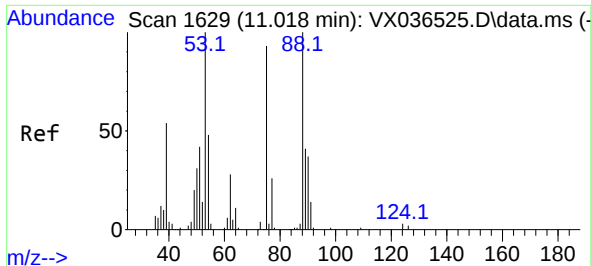
Tgt Ion: 95 Resp: 75483
Ion Ratio Lower Upper
95 100
174 73.4 60.5 90.7
176 70.2 58.2 87.4



#63
Toluene-d8
Concen: 29.612 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX036696.D
Acq: 28 Jul 2023 10:46

Tgt Ion: 98 Resp: 217144
Ion Ratio Lower Upper
98 100
100 66.3 51.6 77.4

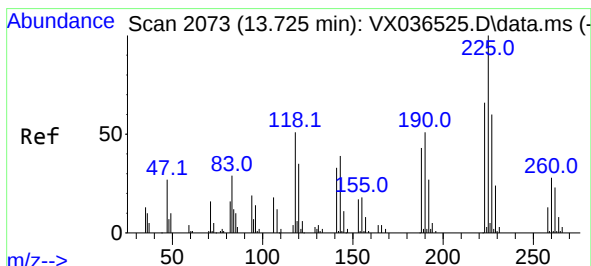
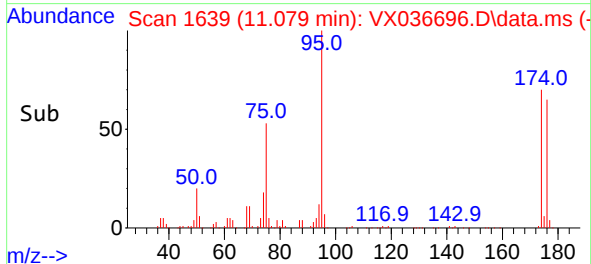
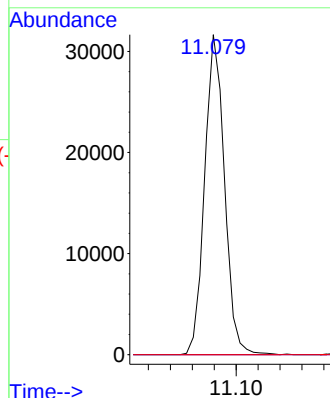
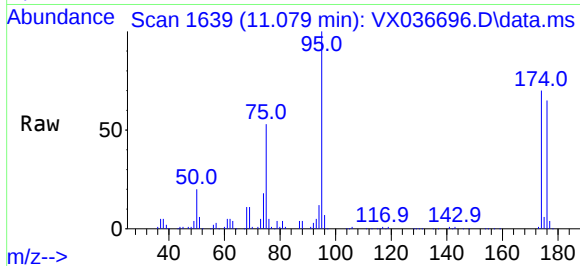




#77
t-1,4-Dichloro-2-butene
Concen: 38.108 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX036696.D
Acq: 28 Jul 2023 10:46

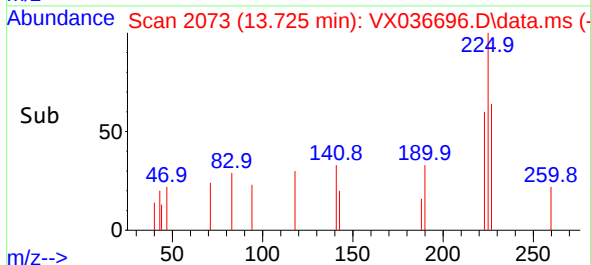
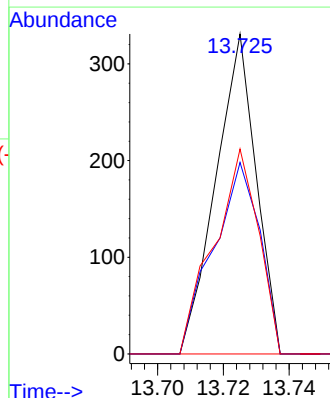
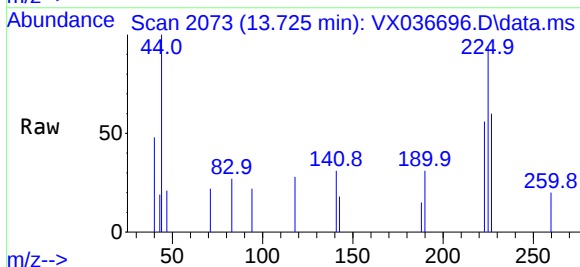
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBL01

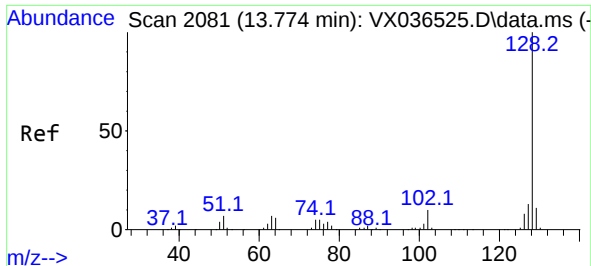
Tgt Ion: 75 Resp: 39633
Ion Ratio Lower Upper
75 100
53 0.0 53.9 161.7#
89 0.0 22.1 66.1#



#90
Hexachlorobutadiene
Concen: 0.285 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX036696.D
Acq: 28 Jul 2023 10:46

Tgt Ion: 225 Resp: 282
Ion Ratio Lower Upper
225 100
223 68.8 0.0 124.2
227 70.6 0.0 120.4

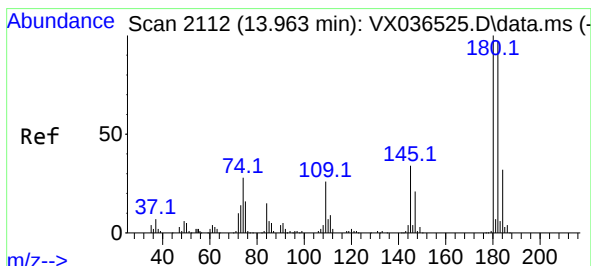
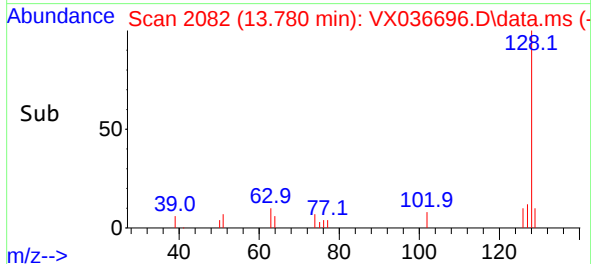
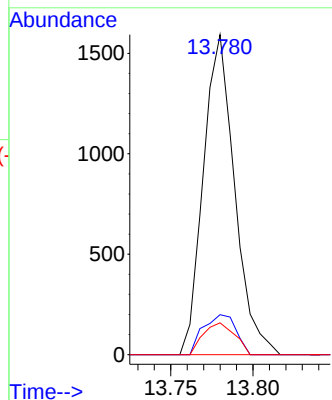
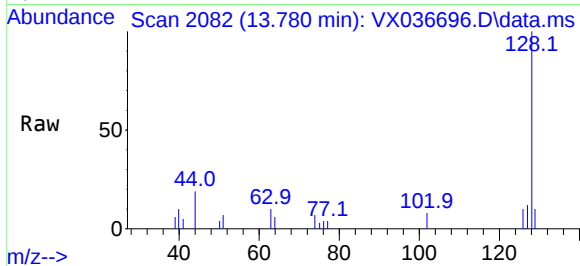




#91
Naphthalene
Concen: 0.220 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX036696.D
Acq: 28 Jul 2023 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX0728WBL01

Tgt Ion:128	Resp:	2106
Ion	Ratio	Lower Upper
128	100	
127	13.1	10.3 15.5
129	10.0	8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 0.212 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX036696.D
Acq: 28 Jul 2023 10:46

Tgt Ion:180	Resp:	584
Ion	Ratio	Lower Upper
180	100	
182	89.7	0.0 190.6
145	23.6	0.0 66.8

