

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112723\
 Data File : VX039033.D
 Acq On : 27 Nov 2023 11:41
 Operator : JC/MD
 Sample : VX1127WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 28 01:11:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 27 03:22:25 2023
 Response via : Initial Calibration

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

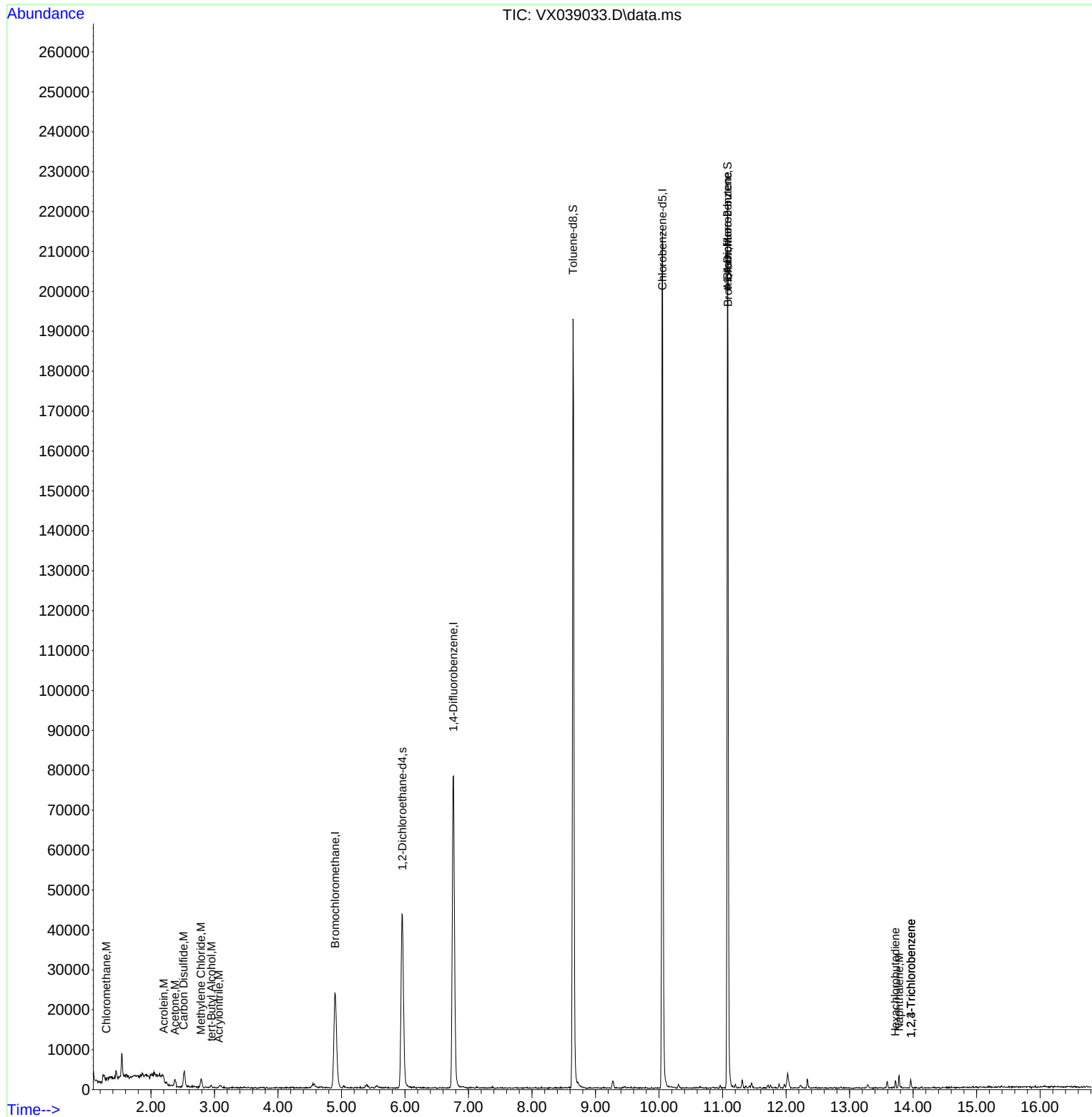
Internal Standards						
1) Bromochloromethane	4.897	128	5450	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	79743	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	96200	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	43467	58.298	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	194.333%#
60) 4-Bromofluorobenzene	11.079	95	60235	28.667	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.567%
63) Toluene-d8	8.647	98	116250	30.565	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.867%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	297	0.318	ug/l #	75
13) Acrolein	2.203	56	142	0.701	ug/l	99
14) Acrylonitrile	3.068	53	194	0.343	ug/l #	72
15) Acetone	2.380	58	715	3.478	ug/l #	57
16) Carbon Disulfide	2.514	76	1274	0.567	ug/l #	91
18) Methylene Chloride	2.788	84	1062	1.209	ug/l #	76
23) tert-Butyl Alcohol	2.953	59	188	0.601	ug/l #	100
56) Bromoform	11.085	173	305	0.239	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	32649	35.021	ug/l #	12
89) 1,2,4-Trichlorobenzene	13.969	180	538	0.260	ug/l	85
90) Hexachlorobutadiene	13.719	225	314	0.425	ug/l	94
91) Naphthalene	13.780	128	2192	0.287	ug/l #	95
92) 1,2,3-Trichlorobenzene	13.969	180	538	0.268	ug/l	88

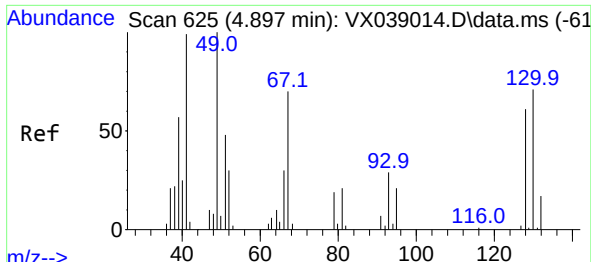
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

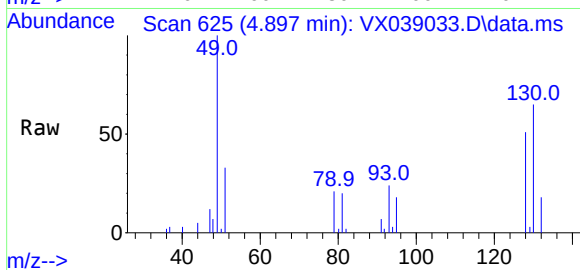
Quant Time: Nov 28 01:11:28 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Nov 27 03:22:25 2023
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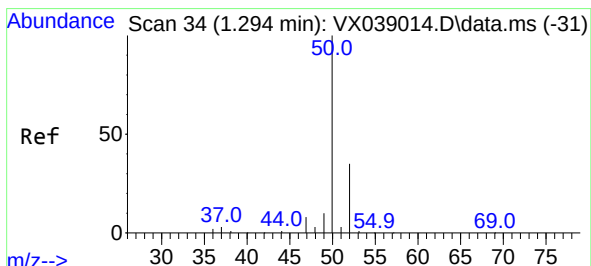
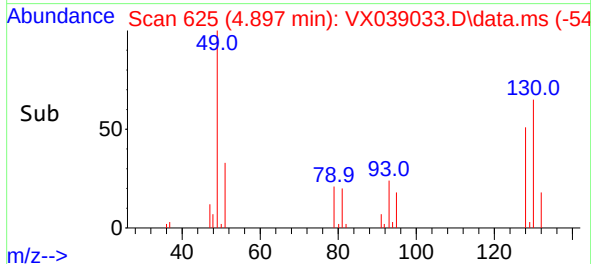
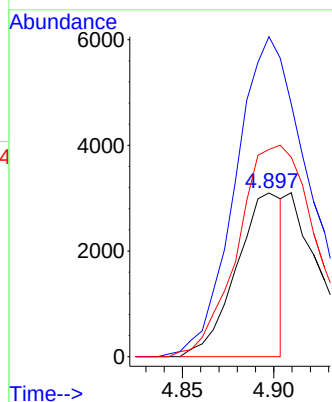


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX039033.D
Acq: 27 Nov 2023 11:41

Instrument :
MSVOA_X
ClientSampleId :

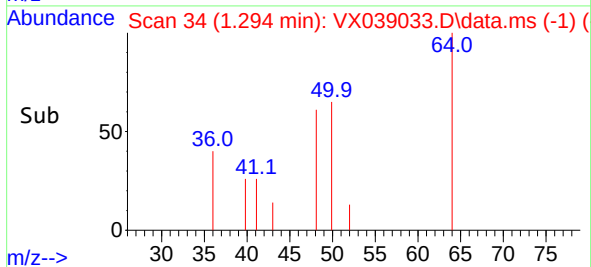
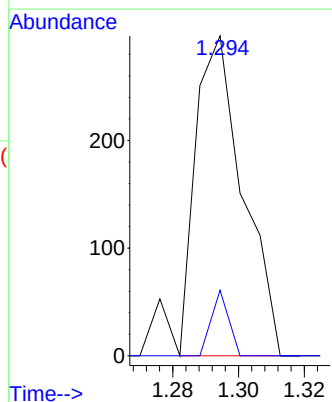
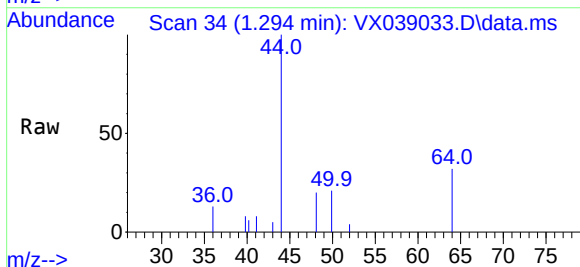


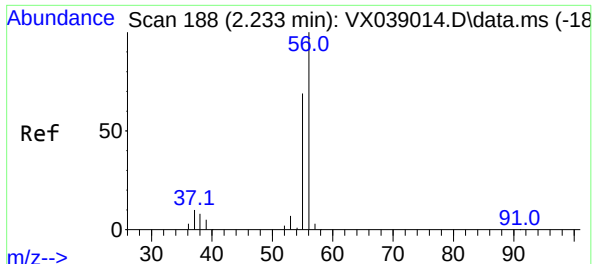
Tgt Ion:128 Resp: 5450
Ion Ratio Lower Upper
128 100
49 323.4 0.0 444.0
130 227.0 0.0 297.8



#3
Chloromethane
Concen: 0.318 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX039033.D
Acq: 27 Nov 2023 11:41

Tgt Ion: 50 Resp: 297
Ion Ratio Lower Upper
50 100
52 20.5 27.8 41.8#

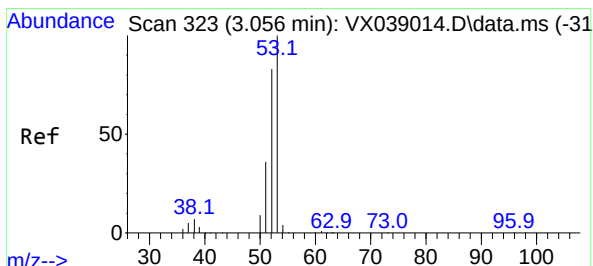
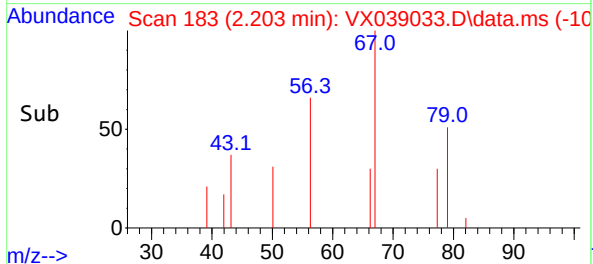
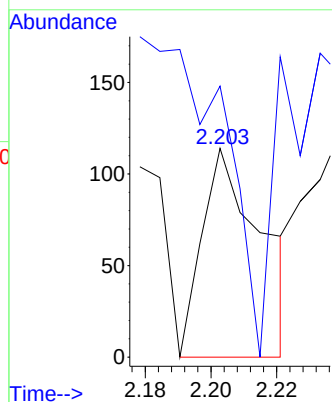
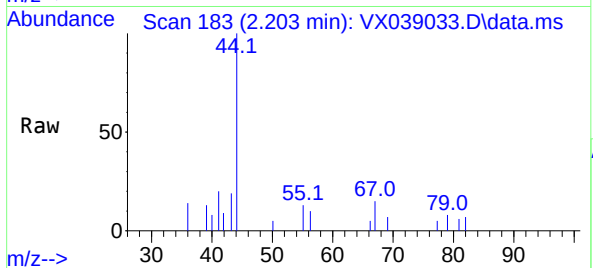




#13
Acrolein
Concen: 0.701 ug/l
RT: 2.203 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX039033.D
Acq: 27 Nov 2023 11:41

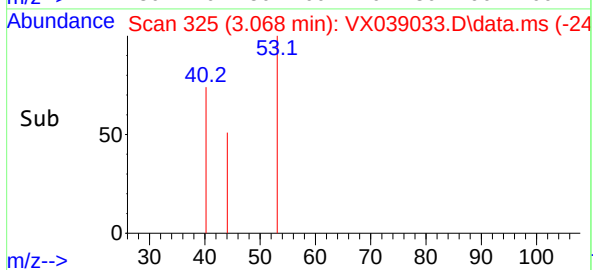
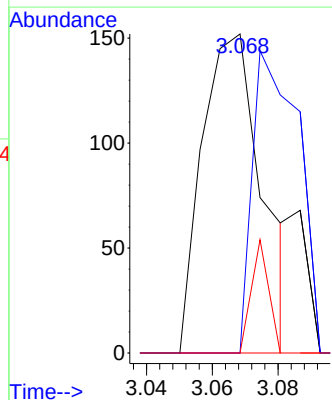
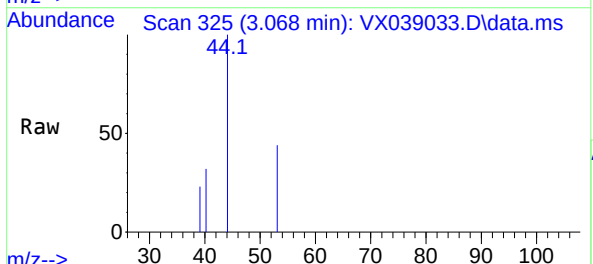
Instrument :
MSVOA_X
ClientSampleId :

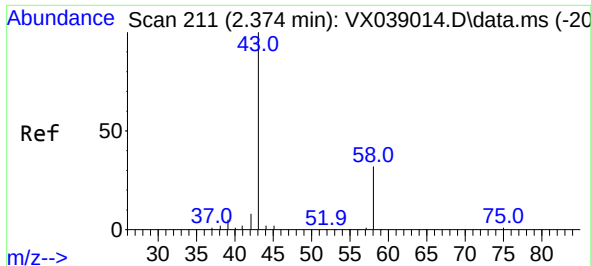
Tgt Ion: 56 Resp: 142
Ion Ratio Lower Upper
56 100
55 70.4 57.2 85.8



#14
Acrylonitrile
Concen: 0.343 ug/l
RT: 3.068 min Scan# 325
Delta R.T. 0.012 min
Lab File: VX039033.D
Acq: 27 Nov 2023 11:41

Tgt Ion: 53 Resp: 194
Ion Ratio Lower Upper
53 100
52 72.2 41.9 125.6
51 0.0 18.3 54.9#

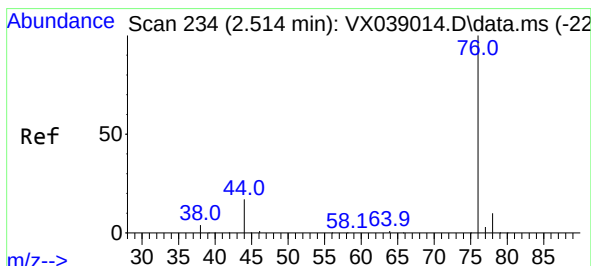
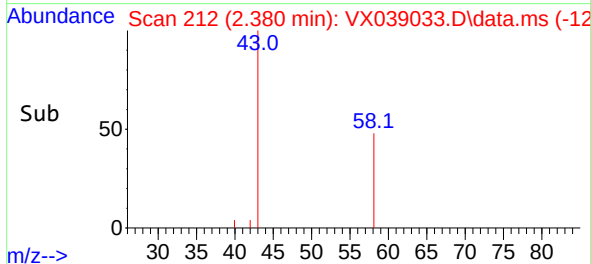
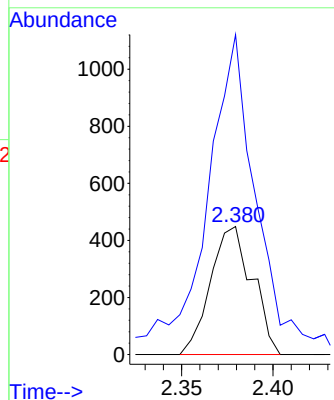
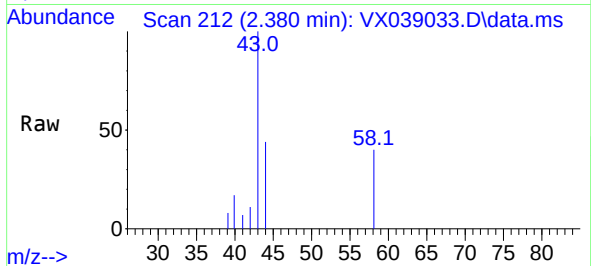




#15
Acetone
Concen: 3.478 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX039033.D
Acq: 27 Nov 2023 11:41

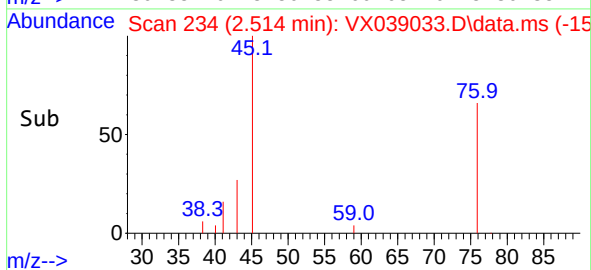
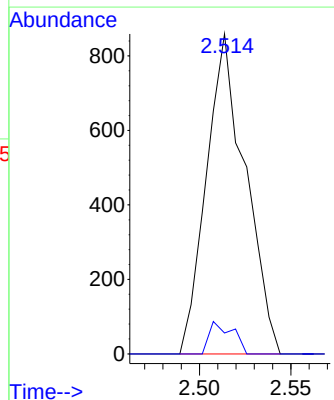
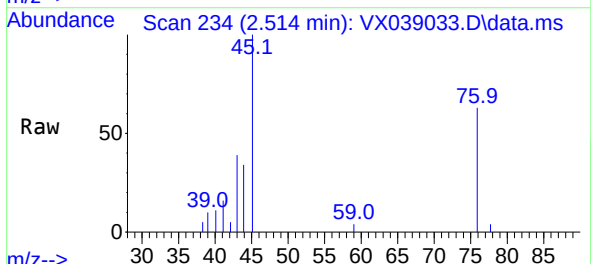
Instrument :
MSVOA_X
ClientSampleId :

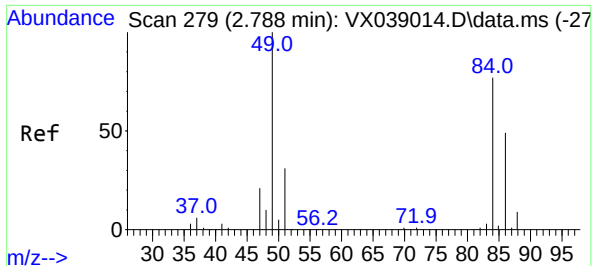
Tgt Ion: 58 Resp: 715
Ion Ratio Lower Upper
58 100
43 226.7 249.9 374.9#



#16
Carbon Disulfide
Concen: 0.567 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX039033.D
Acq: 27 Nov 2023 11:41

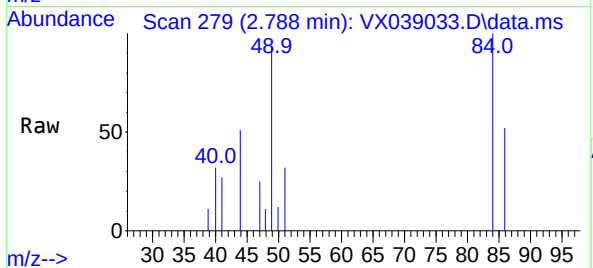
Tgt Ion: 76 Resp: 1274
Ion Ratio Lower Upper
76 100
78 6.5 8.0 12.0#





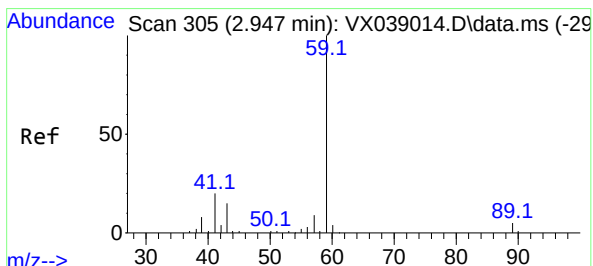
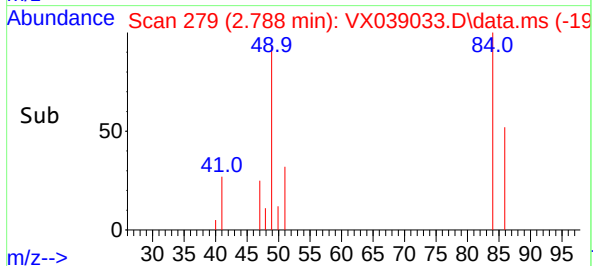
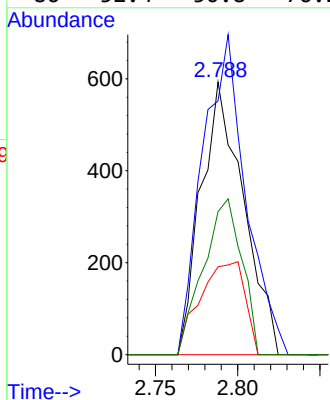
#18
Methylene Chloride
Concen: 1.209 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX039033.D
Acq: 27 Nov 2023 11:41

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 1062

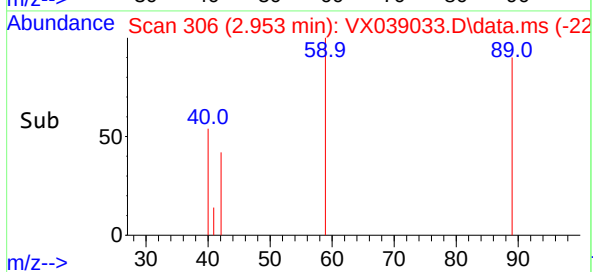
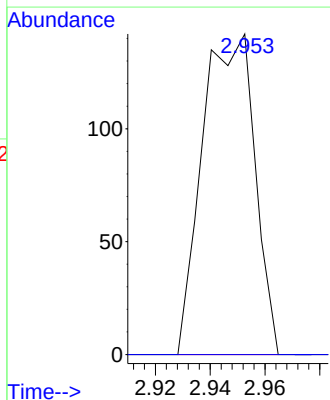
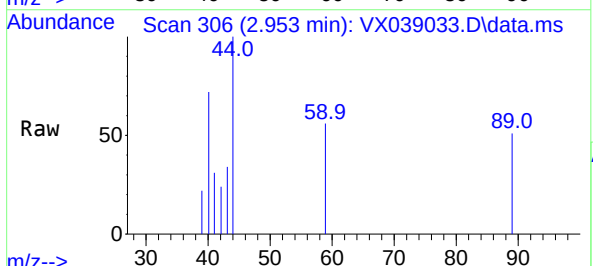
Ion	Ratio	Lower	Upper
84	100		
49	93.1	103.8	155.8#
51	32.2	31.8	47.6
86	52.4	50.8	76.2

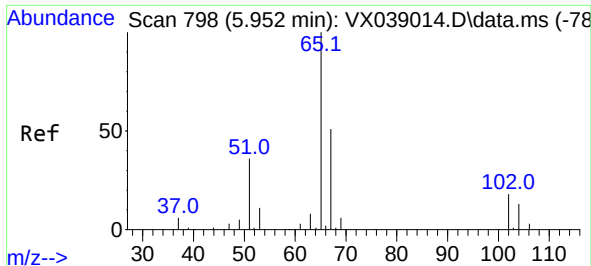


#23
tert-Butyl Alcohol
Concen: 0.601 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.006 min
Lab File: VX039033.D
Acq: 27 Nov 2023 11:41

Tgt Ion: 59 Resp: 188

Ion	Ratio	Lower	Upper
59	100		
52	74.5	0.0	0.0#

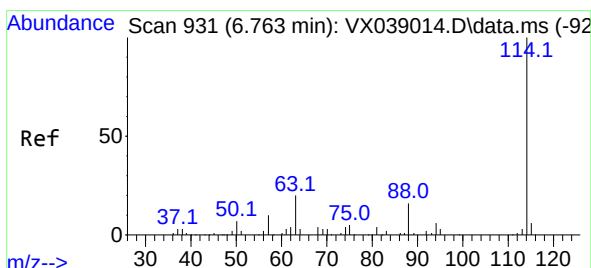
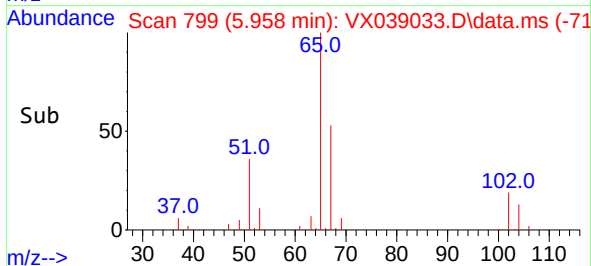
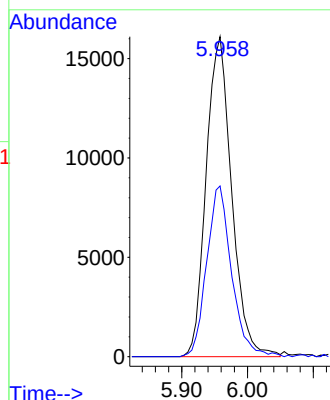
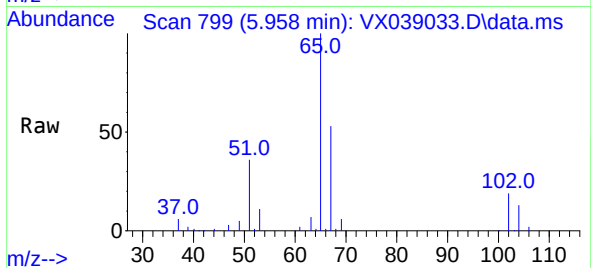




#27
1,2-Dichloroethane-d4
Concen: 58.298 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX039033.D
Acq: 27 Nov 2023 11:41

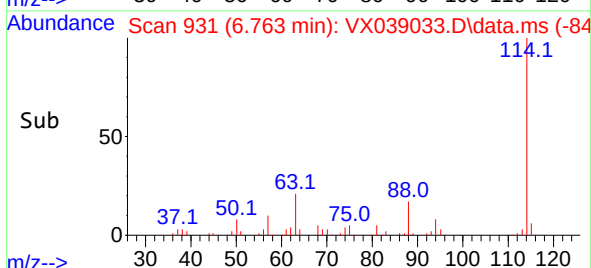
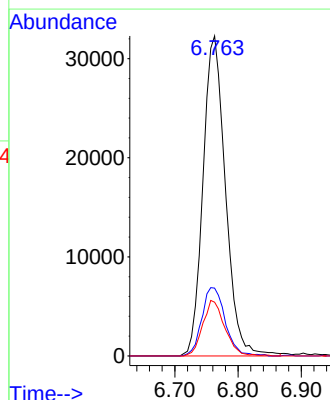
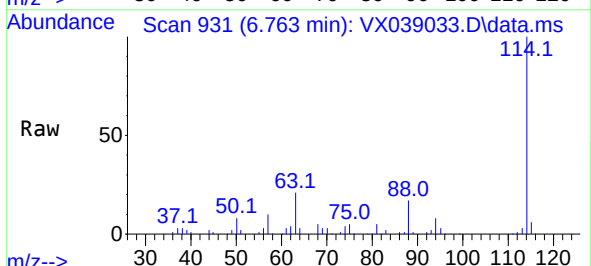
Instrument :
MSVOA_X
ClientSampleId :

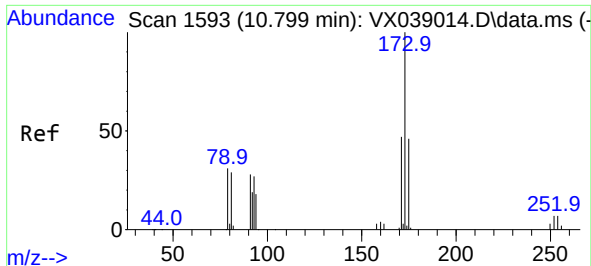
Tgt Ion: 65 Resp: 43467
Ion Ratio Lower Upper
65 100
67 51.7 42.5 63.7



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX039033.D
Acq: 27 Nov 2023 11:41

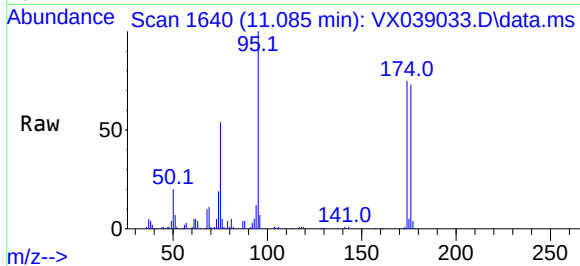
Tgt Ion: 114 Resp: 79743
Ion Ratio Lower Upper
114 100
63 21.9 17.0 25.4
88 17.0 12.7 19.1



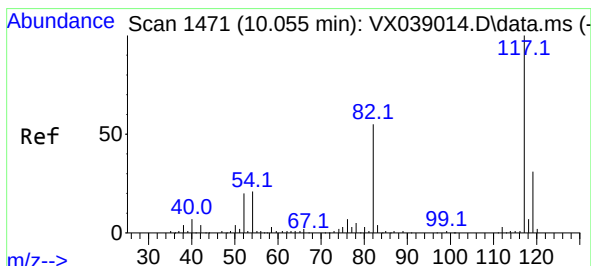
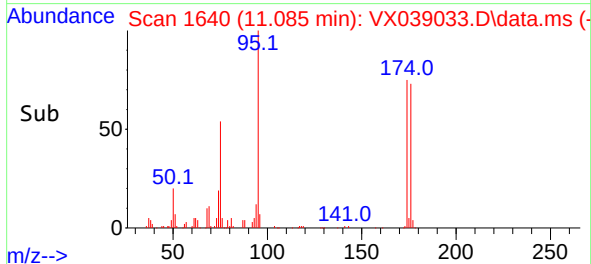
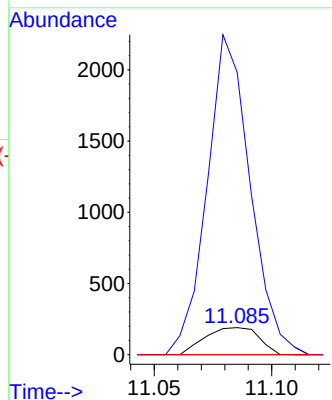


#56
Bromoform
Concen: 0.239 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.286 min
Lab File: VX039033.D
Acq: 27 Nov 2023 11:41

Instrument :
MSVOA_X
ClientSampleId :

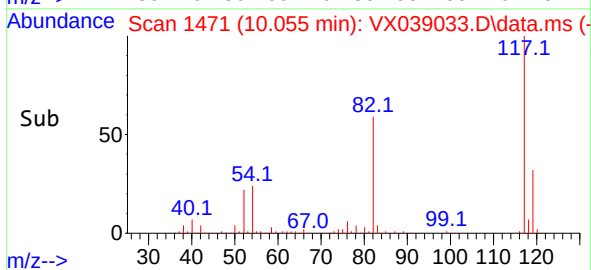
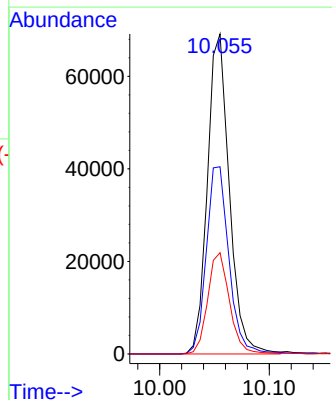
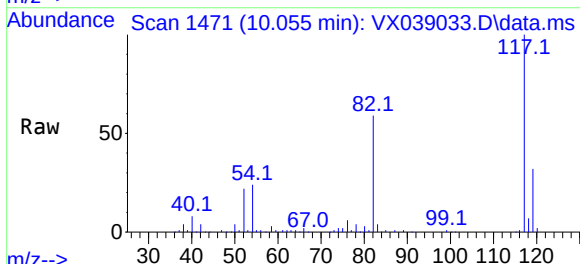


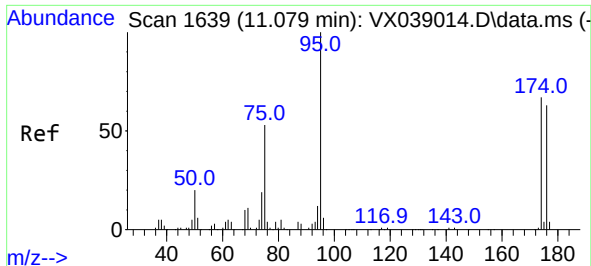
Tgt Ion:173 Resp: 305
Ion Ratio Lower Upper
173 100
175 942.0 37.6 56.4#
254 0.0 5.8 8.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX039033.D
Acq: 27 Nov 2023 11:41

Tgt Ion:117 Resp: 96200
Ion Ratio Lower Upper
117 100
82 60.4 47.0 70.6
119 31.4 25.2 37.8

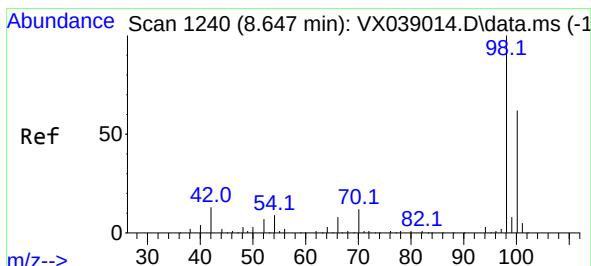
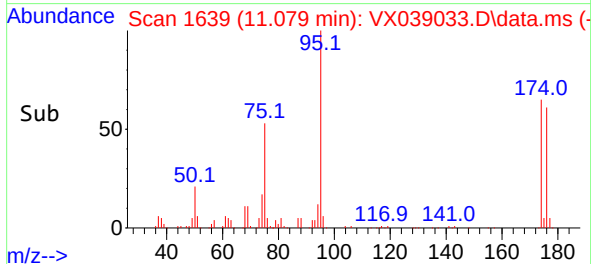
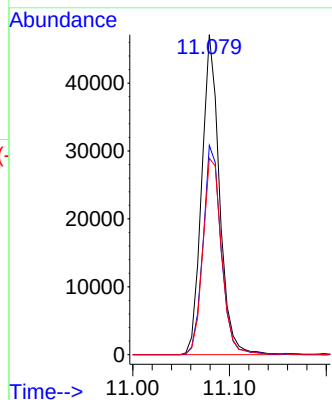
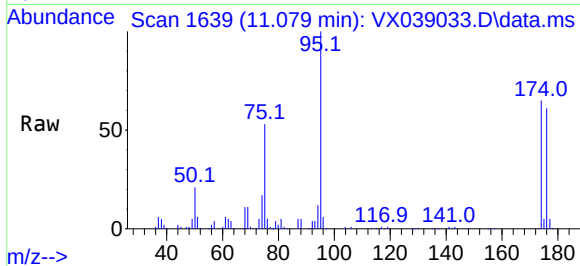




#60
4-Bromofluorobenzene
Concen: 28.667 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX039033.D
Acq: 27 Nov 2023 11:41

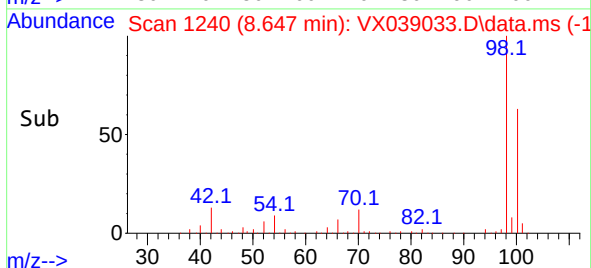
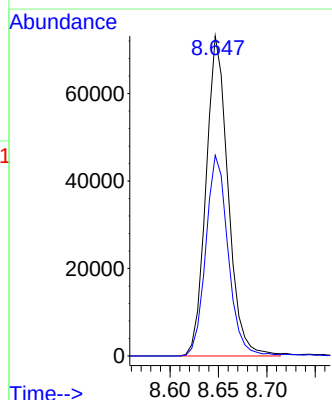
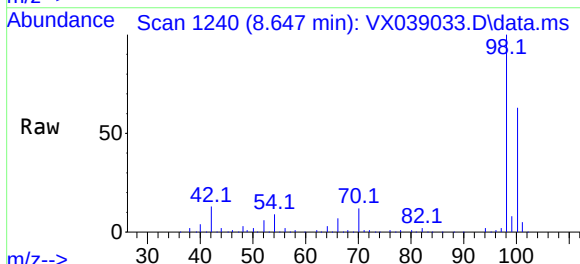
Instrument :
MSVOA_X
ClientSampleId :

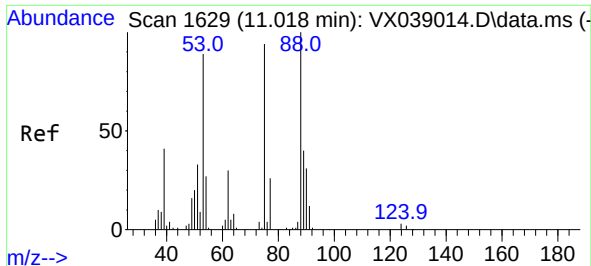
Tgt Ion: 95 Resp: 60235
Ion Ratio Lower Upper
95 100
174 66.8 55.4 83.2
176 64.9 52.6 78.8



#63
Toluene-d8
Concen: 30.565 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX039033.D
Acq: 27 Nov 2023 11:41

Tgt Ion: 98 Resp: 116250
Ion Ratio Lower Upper
98 100
100 63.2 51.0 76.4

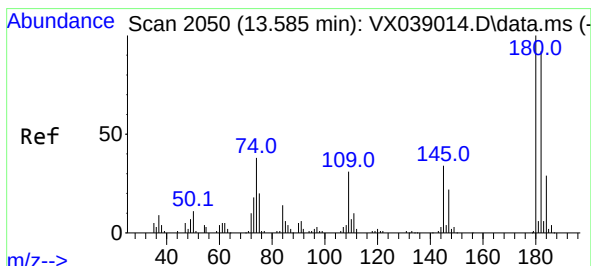
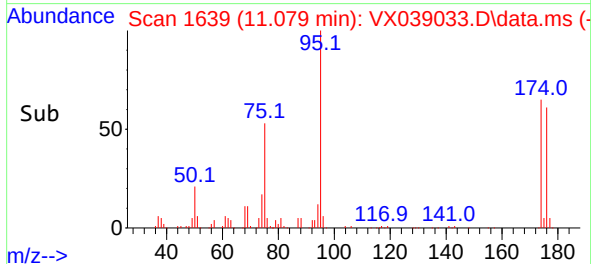
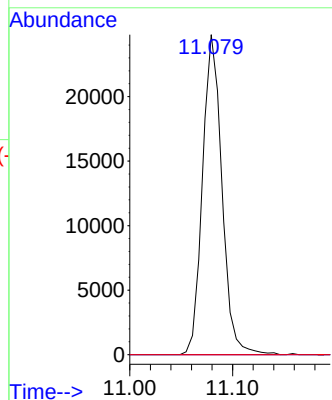
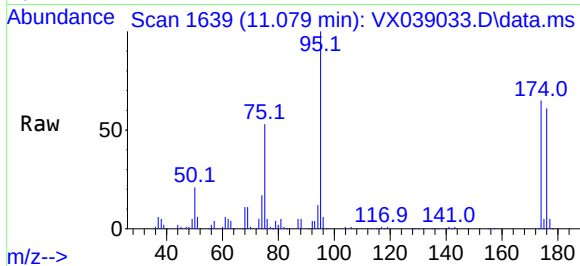




#77
t-1,4-Dichloro-2-butene
Concen: 35.021 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX039033.D
Acq: 27 Nov 2023 11:41

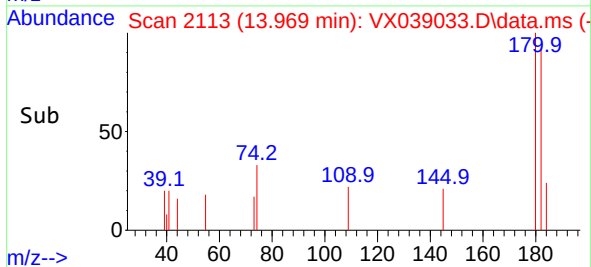
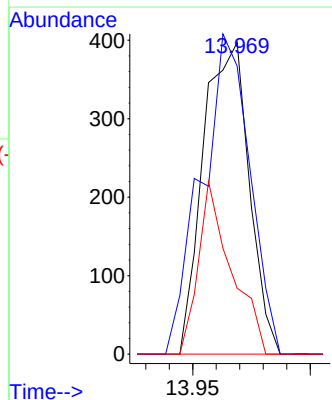
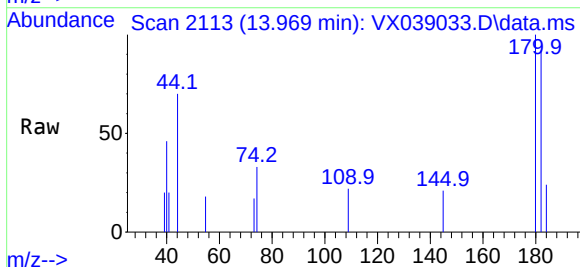
Instrument :
MSVOA_X
ClientSampleId :

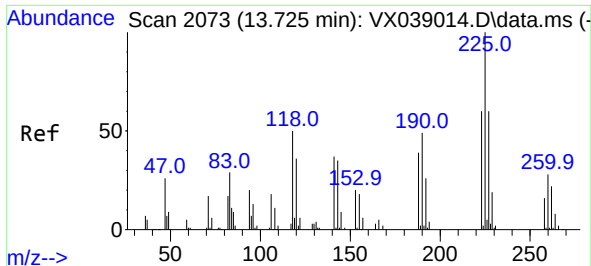
Tgt Ion: 75 Resp: 32649
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.8#
89 0.0 21.3 63.7#



#89
1,2,4-Trichlorobenzene
Concen: 0.260 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.384 min
Lab File: VX039033.D
Acq: 27 Nov 2023 11:41

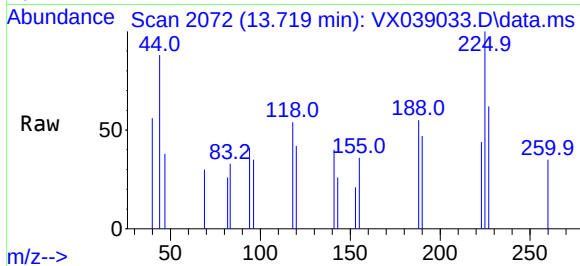
Tgt Ion:180 Resp: 538
Ion Ratio Lower Upper
180 100
182 108.2 74.5 111.7
145 39.8 26.6 40.0



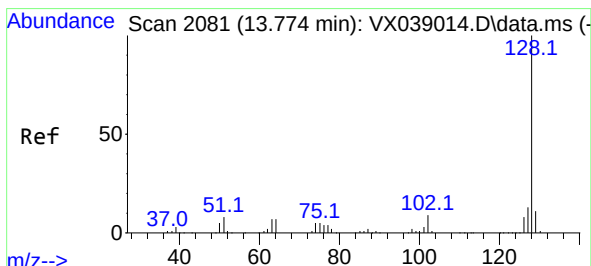
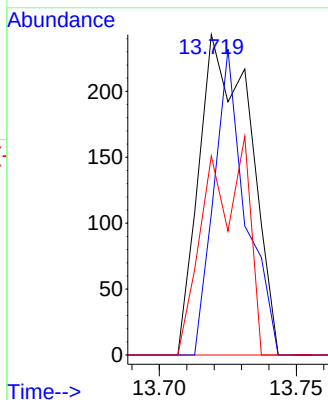
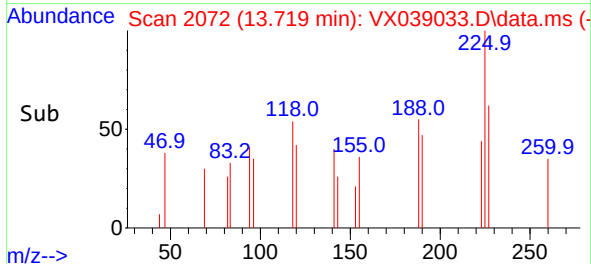


#90
Hexachlorobutadiene
Concen: 0.425 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX039033.D
Acq: 27 Nov 2023 11:41

Instrument :
MSVOA_X
ClientSampleId :

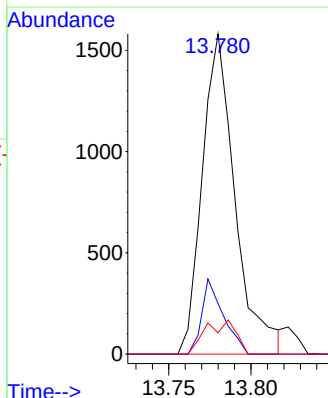
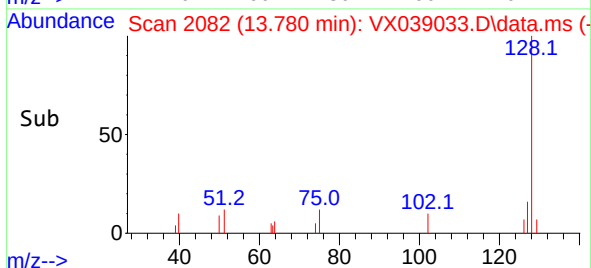
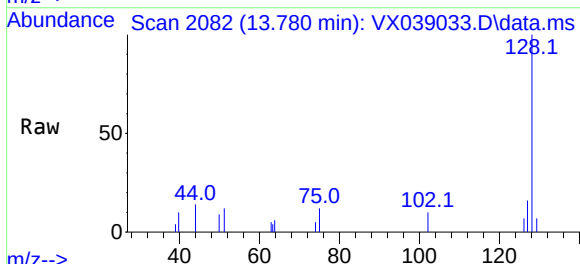


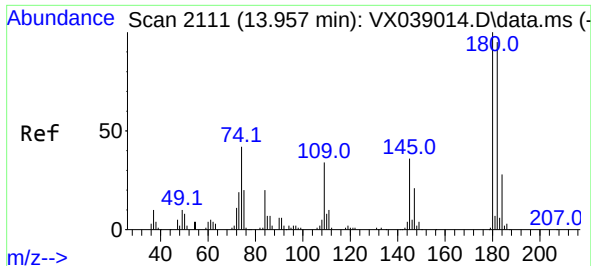
Tgt Ion:225 Resp: 314
Ion Ratio Lower Upper
225 100
223 59.6 0.0 124.4
227 55.4 0.0 124.4



#91
Naphthalene
Concen: 0.287 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX039033.D
Acq: 27 Nov 2023 11:41

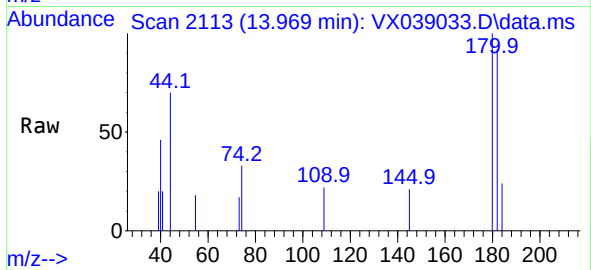
Tgt Ion:128 Resp: 2192
Ion Ratio Lower Upper
128 100
127 15.5 10.2 15.2#
129 9.8 8.6 12.8





#92
 1,2,3-Trichlorobenzene
 Concen: 0.268 ug/l
 RT: 13.969 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VX039033.D
 Acq: 27 Nov 2023 11:41

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	538
Ion	Ratio	Lower	Upper
180	100		
182	108.2	0.0	191.6
145	39.8	0.0	69.6

