

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030123\
 Data File : VX034281.D
 Acq On : 01 Mar 2023 10:22
 Operator : JC/MD
 Sample : VX0301MBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 02 00:38:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

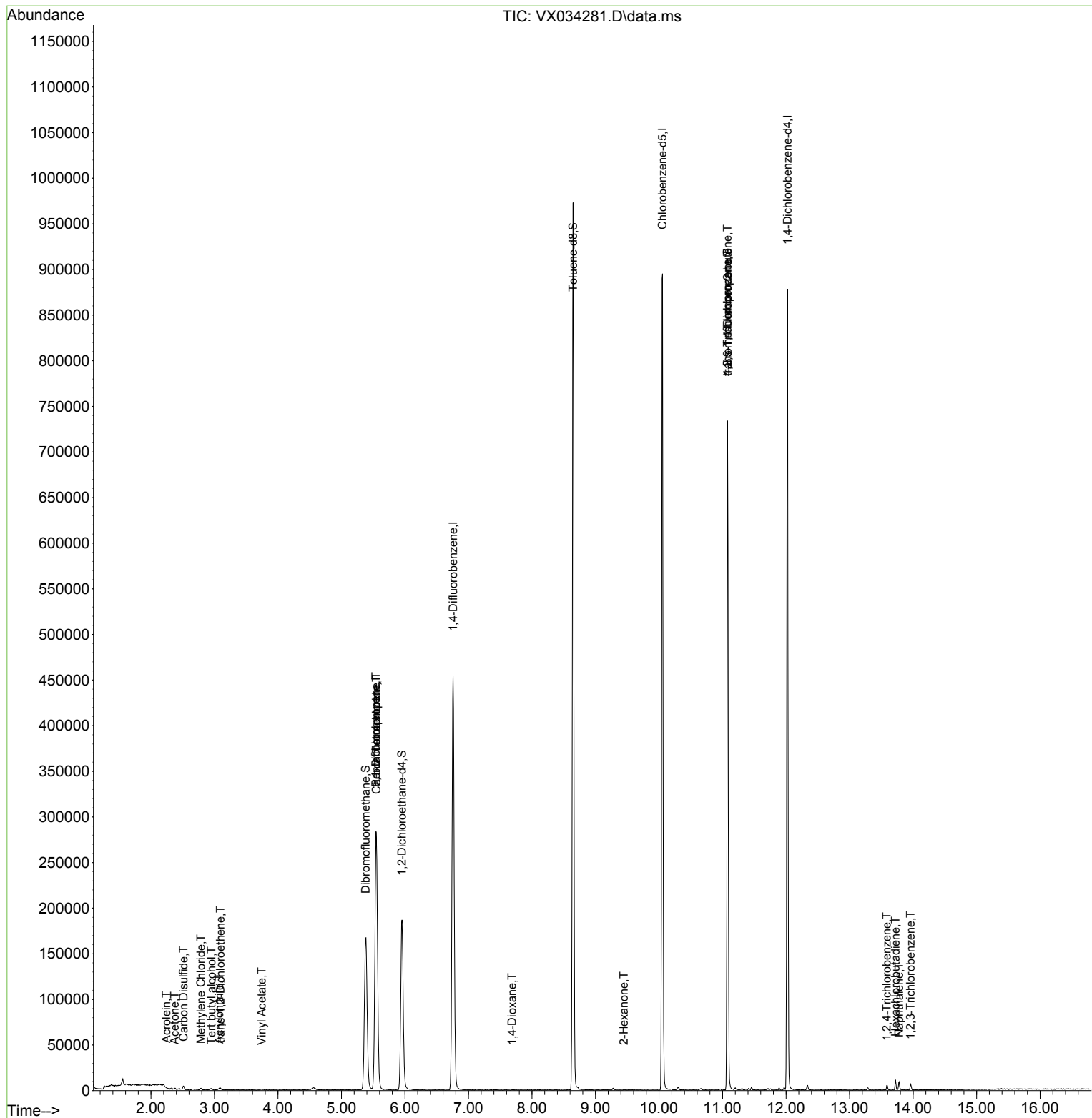
Internal Standards						
1) Pentafluorobenzene	5.544	168	285046	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	476309	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	419322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	189245	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	172919	45.044	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.080%
35) Dibromofluoromethane	5.379	113	149057	48.064	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.120%
50) Toluene-d8	8.647	98	569986	51.191	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.380%
62) 4-Bromofluorobenzene	11.079	95	193235	45.371	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.740%
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	432	Below Cal	#	67
11) Tert butyl alcohol	2.953	59	785	0.914	ug/l #	86
13) Acrolein	2.239	56	741	1.891	ug/l #	61
15) Acrylonitrile	3.075	53	999	0.533	ug/l #	92
16) Acetone	2.373	43	1137	0.574	ug/l	95
17) Carbon Disulfide	2.514	76	4782	0.539	ug/l	96
20) Methylene Chloride	2.788	84	777	0.218	ug/l #	76
21) trans-1,2-Dichloroethene	3.093	96	682	0.211	ug/l #	84
23) Vinyl Acetate	3.745	43	1855	0.202	ug/l #	72
36) 1,1-Dichloropropene	5.544	75	21141	4.609	ug/l #	48
38) Carbon Tetrachloride	5.550	117	27862	5.904	ug/l #	16
49) 1,4-Dioxane	7.683	88	62	0.724	ug/l #	14
59) 2-Hexanone	9.445	43	872	0.230	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	98133	20.608	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	98133	52.940	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.585	180	1625	0.397	ug/l	91
94) Hexachlorobutadiene	13.725	225	1414	0.834	ug/l	98
95) Naphthalene	13.780	128	6007	0.436	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	1941	0.478	ug/l	98

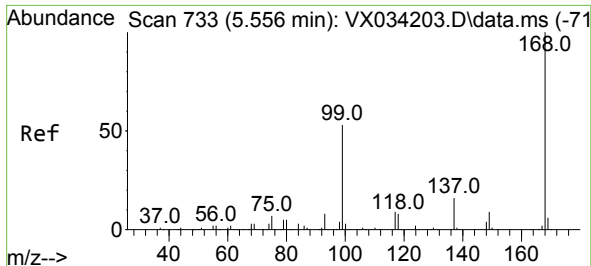
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030123\
Data File : VX034281.D
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Operator : JC/MD
Sample : VX0301MBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

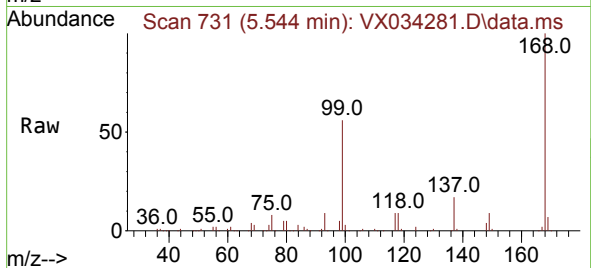
Quant Time: Mar 02 00:38:50 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 17 12:33:35 2023
Response via : Initial Calibration



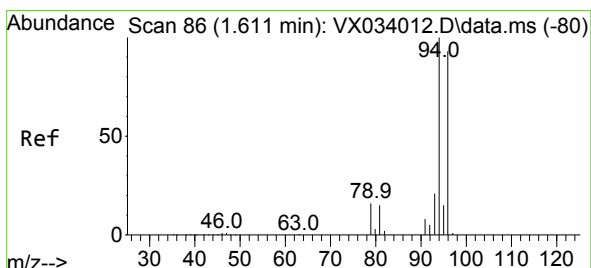
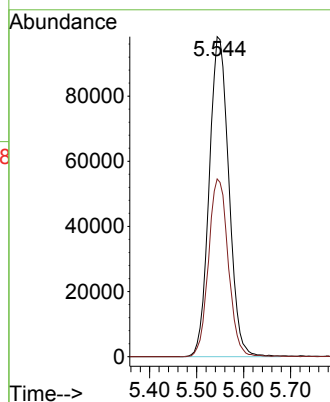
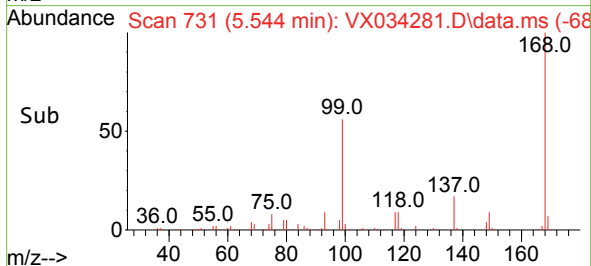


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX034281.D
Acq: 01 Mar 2023 10:22

Instrument :
MSVOA_X
ClientSampleId :

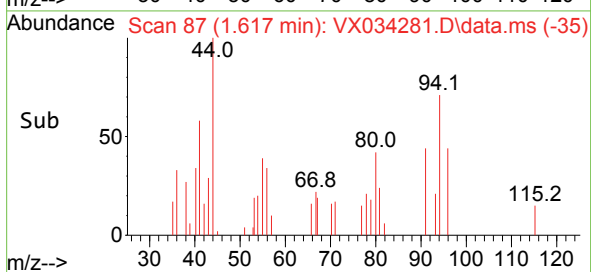
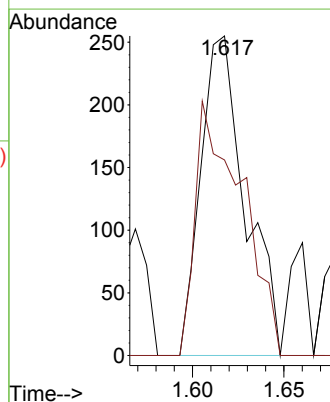
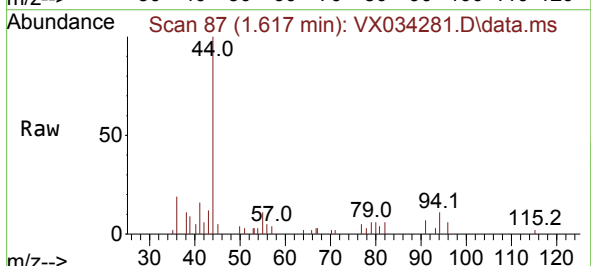


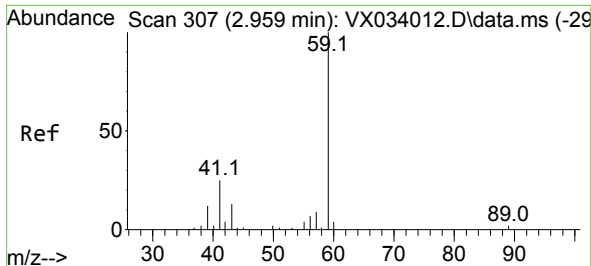
Tgt Ion:168 Resp: 285046
Ion Ratio Lower Upper
168 100
99 55.6 39.6 59.4



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX034281.D
Acq: 01 Mar 2023 10:22

Tgt Ion: 94 Resp: 432
Ion Ratio Lower Upper
94 100
96 61.2 74.3 111.5#





#11

Tert butyl alcohol

Concen: 0.914 ug/l

RT: 2.953 min Scan# 307

Delta R.T. 0.000 min

Lab File: VX034281.D

Acq: 01 Mar 2023 10:22

Instrument :

MSVOA_X

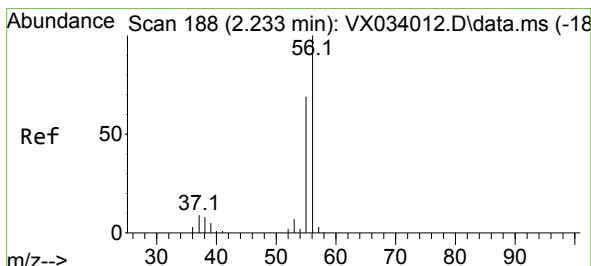
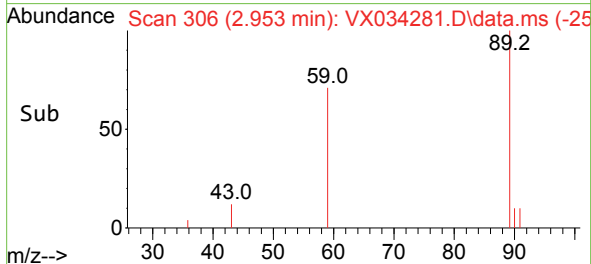
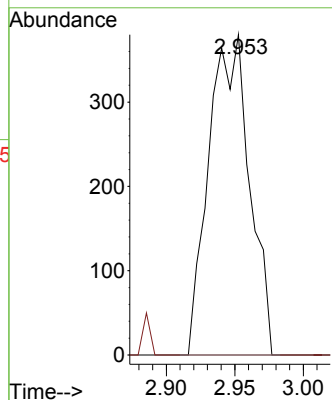
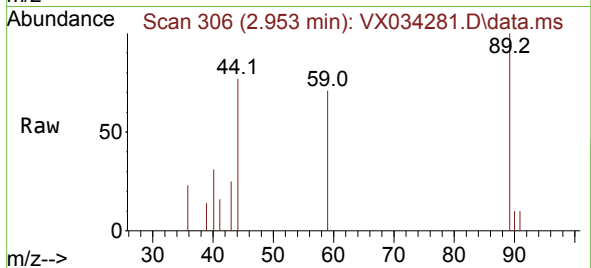
ClientSampleId :

Tgt Ion: 59 Resp: 785

Ion Ratio Lower Upper

59 100

57 0.0 3.7 5.5#



#13

Acrolein

Concen: 1.891 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX034281.D

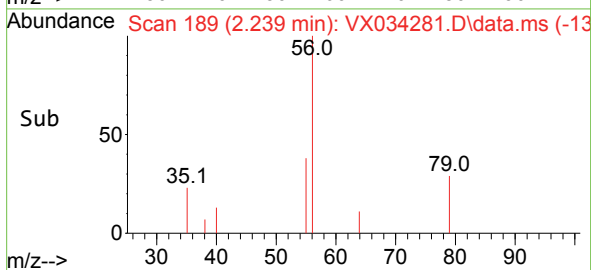
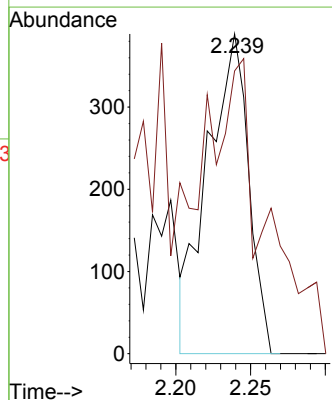
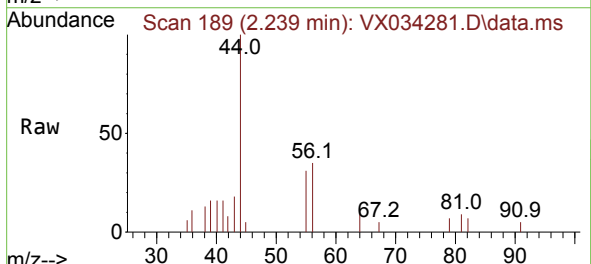
Acq: 01 Mar 2023 10:22

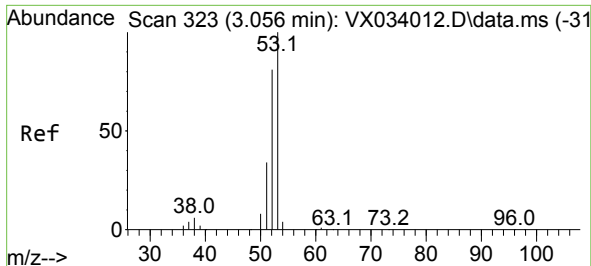
Tgt Ion: 56 Resp: 741

Ion Ratio Lower Upper

56 100

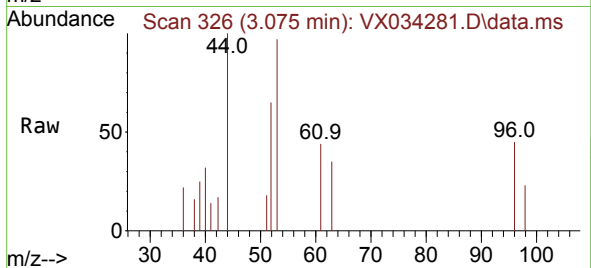
55 38.1 56.3 84.5#



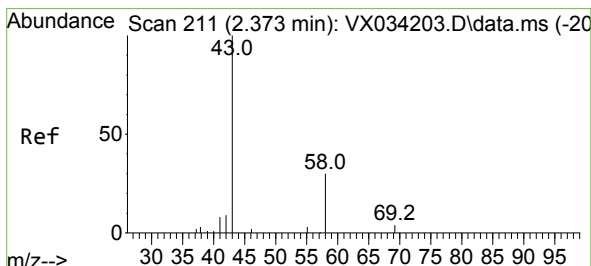
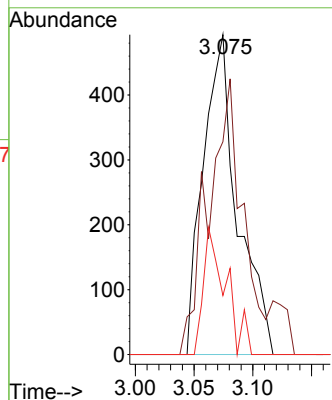
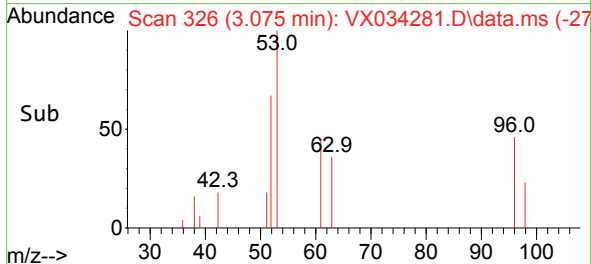


#15
Acrylonitrile
Concen: 0.533 ug/l
RT: 3.075 min Scan# 31
Delta R.T. 0.018 min
Lab File: VX034281.D
Acq: 01 Mar 2023 10:22

Instrument :
MSVOA_X
ClientSampleId :

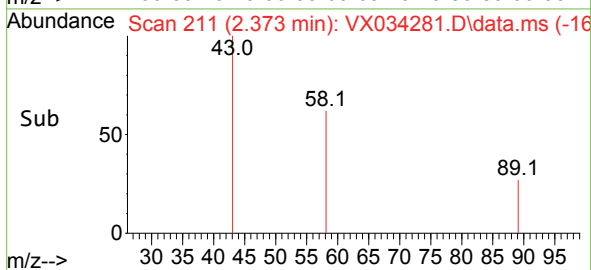
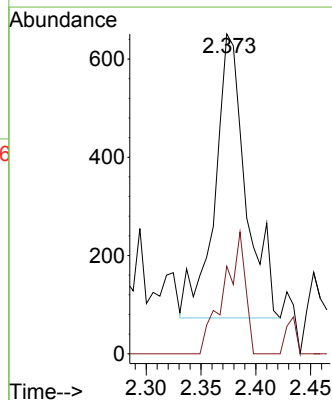
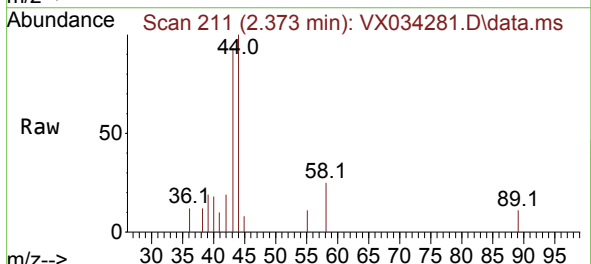


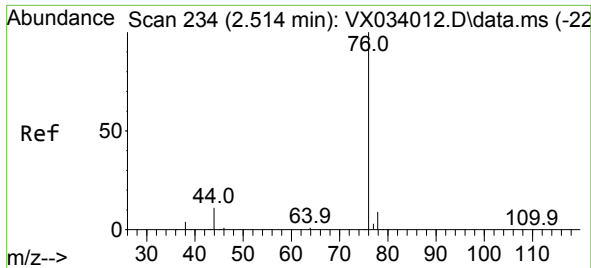
Tgt Ion: 53 Resp: 999
Ion Ratio Lower Upper
53 100
52 86.0 65.7 98.5
51 26.0 29.0 43.4#



#16
Acetone
Concen: 0.574 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX034281.D
Acq: 01 Mar 2023 10:22

Tgt Ion: 43 Resp: 1137
Ion Ratio Lower Upper
43 100
58 30.8 22.6 33.8

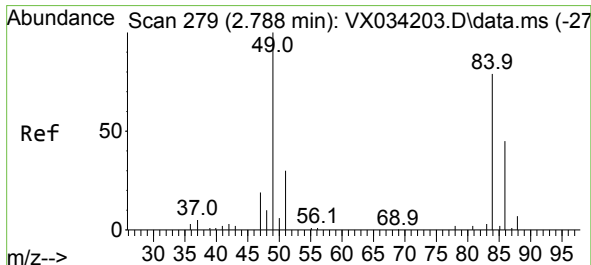
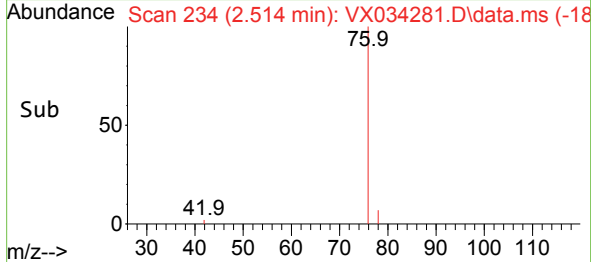
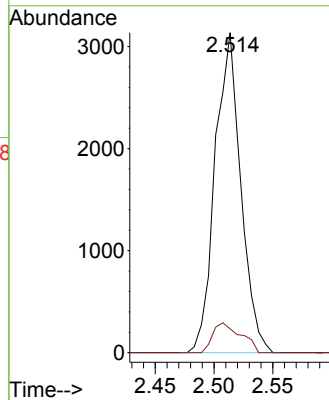
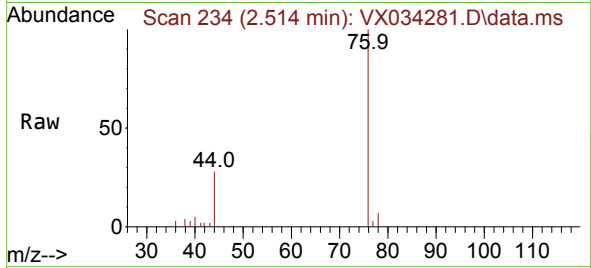




#17
Carbon Disulfide
Concen: 0.539 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034281.D
Acq: 01 Mar 2023 10:22

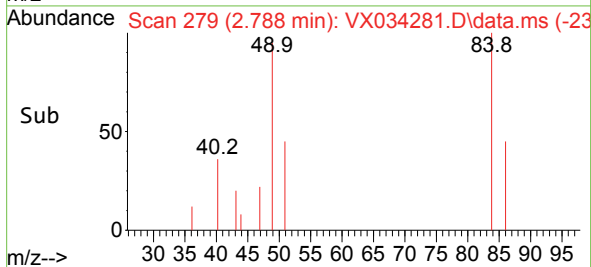
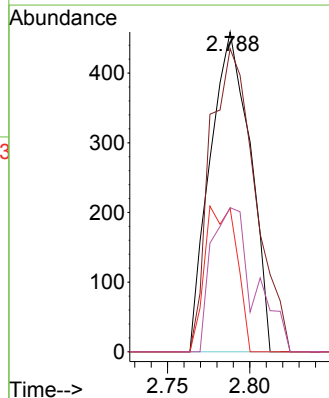
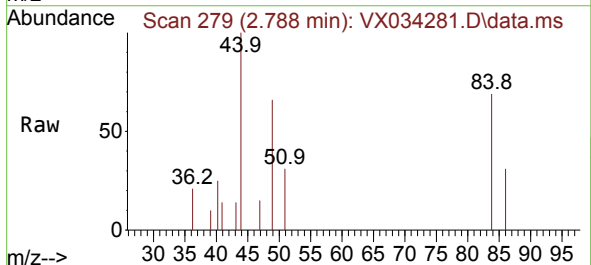
Instrument :
MSVOA_X
ClientSampleId :

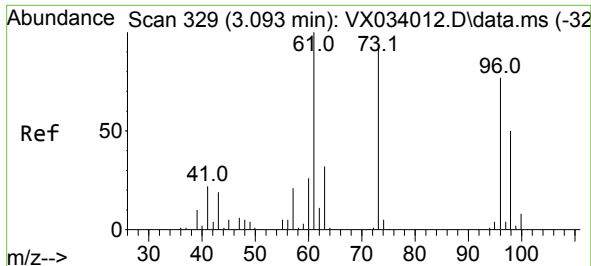
Tgt Ion: 76 Resp: 4782
Ion Ratio Lower Upper
76 100
78 7.5 7.0 10.6



#20
Methylene Chloride
Concen: 0.218 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX034281.D
Acq: 01 Mar 2023 10:22

Tgt Ion: 84 Resp: 777
Ion Ratio Lower Upper
84 100
49 94.8 101.1 151.7#
51 44.9 31.0 46.6
86 45.1 52.6 79.0#

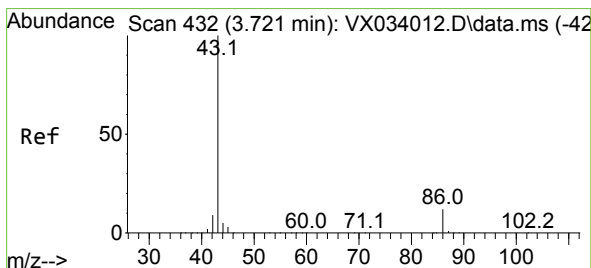
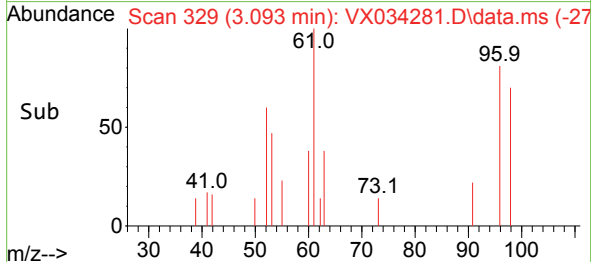
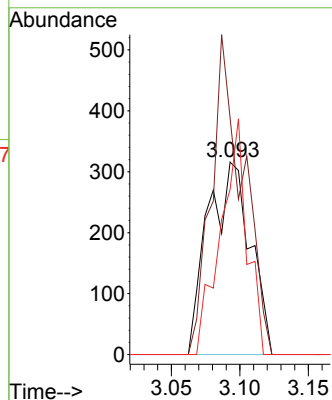
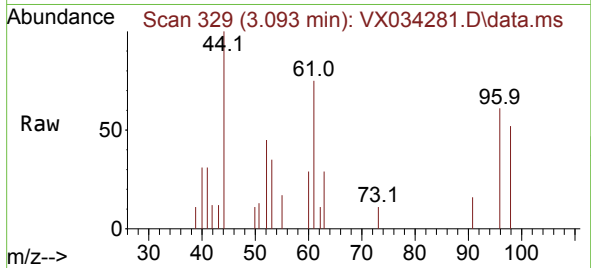




#21
trans-1,2-Dichloroethene
Concen: 0.211 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX034281.D
Acq: 01 Mar 2023 10:22

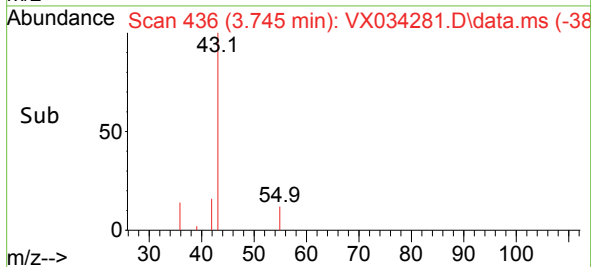
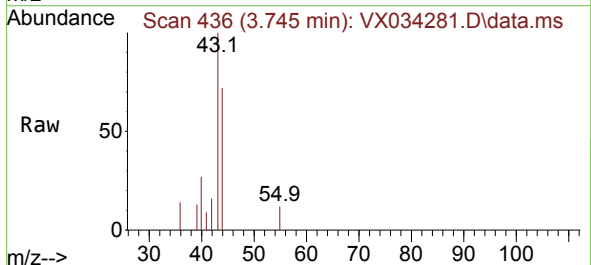
Instrument :
MSVOA_X
ClientSampleId :

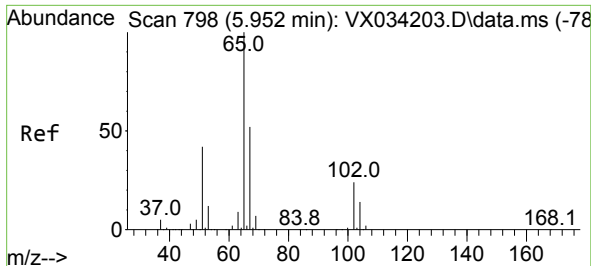
Tgt Ion: 96 Resp: 682
Ion Ratio Lower Upper
96 100
61 122.8 106.7 160.1
98 85.8 50.0 75.0#



#23
Vinyl Acetate
Concen: 0.202 ug/l
RT: 3.745 min Scan# 436
Delta R.T. 0.031 min
Lab File: VX034281.D
Acq: 01 Mar 2023 10:22

Tgt Ion: 43 Resp: 1855
Ion Ratio Lower Upper
43 100
86 0.0 8.4 12.6#





#33

1,2-Dichloroethane-d4

Concen: 45.044 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX034281.D

Acq: 01 Mar 2023 10:22

Instrument :

MSVOA_X

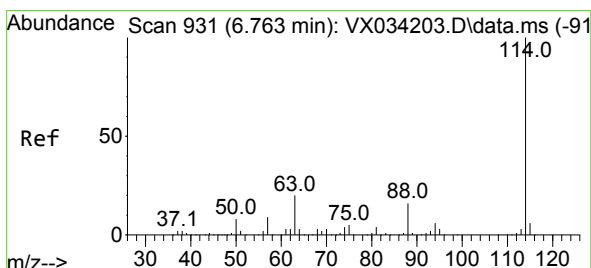
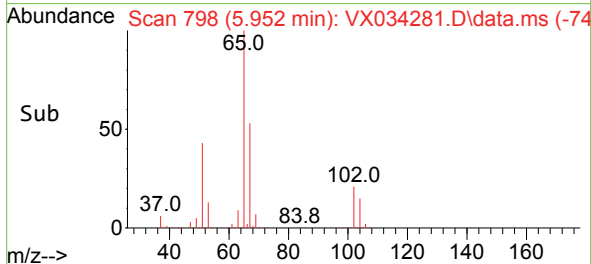
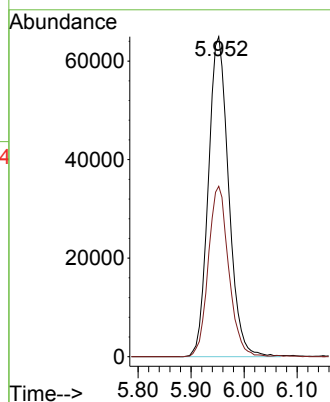
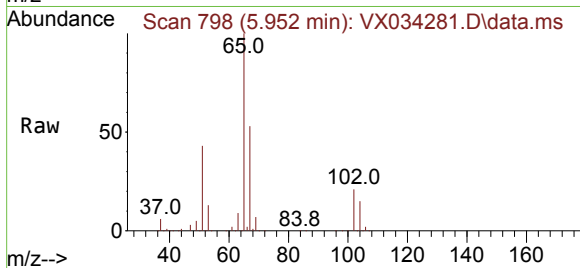
ClientSampleId :

Tgt Ion: 65 Resp: 172919

Ion Ratio Lower Upper

65 100

67 53.5 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX034281.D

Acq: 01 Mar 2023 10:22

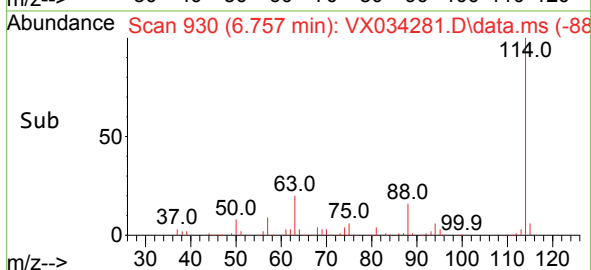
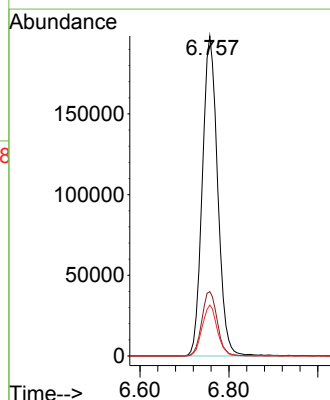
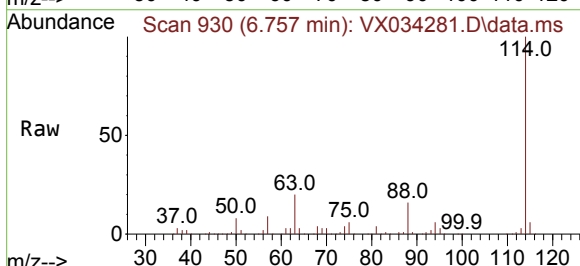
Tgt Ion: 114 Resp: 476309

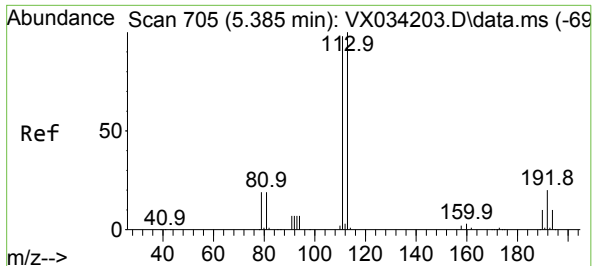
Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.4

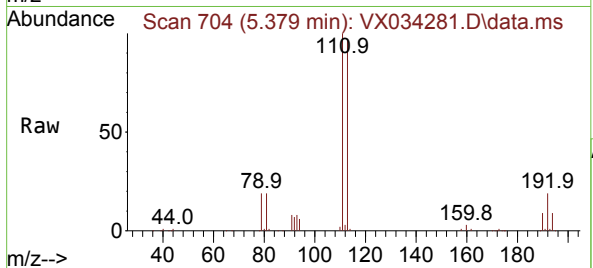
88 15.9 0.0 30.6



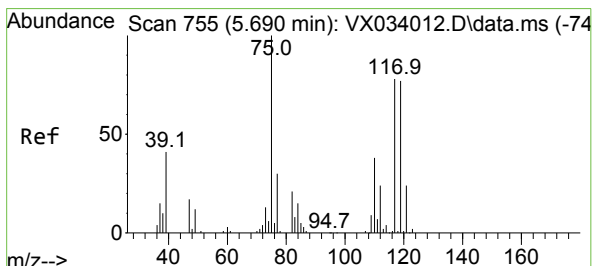
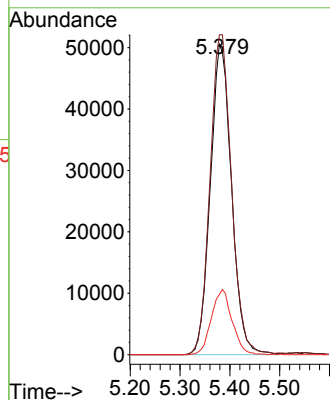
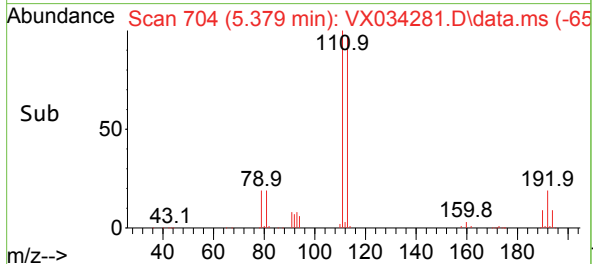


#35
 Dibromofluoromethane
 Concen: 48.064 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. -0.006 min
 Lab File: VX034281.D
 Acq: 01 Mar 2023 10:22

Instrument :
 MSVOA_X
 ClientSampleId :

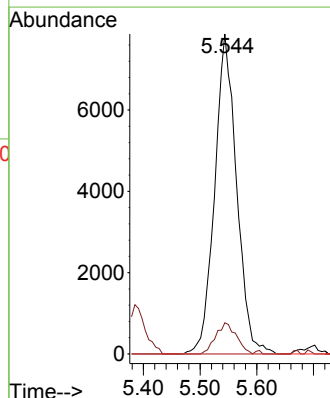
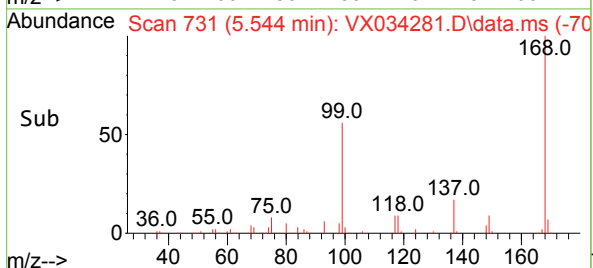
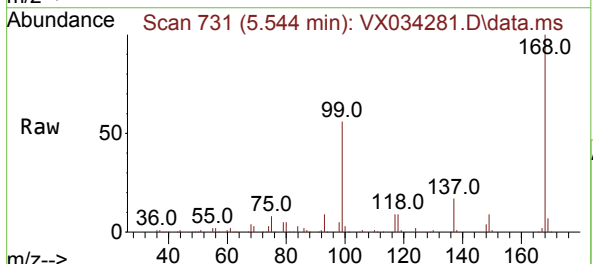


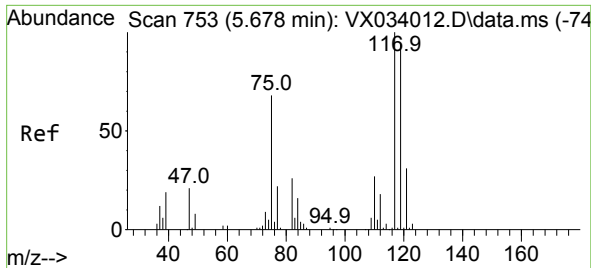
Tgt Ion:113 Resp: 149057
 Ion Ratio Lower Upper
 113 100
 111 104.5 83.0 124.6
 192 20.5 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 4.609 ug/l
 RT: 5.544 min Scan# 731
 Delta R.T. -0.146 min
 Lab File: VX034281.D
 Acq: 01 Mar 2023 10:22

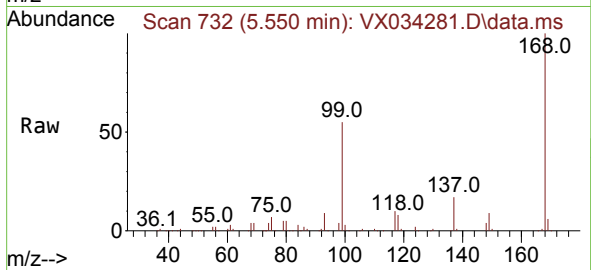
Tgt Ion: 75 Resp: 21141
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.8 56.4#
 77 0.0 25.1 37.7#



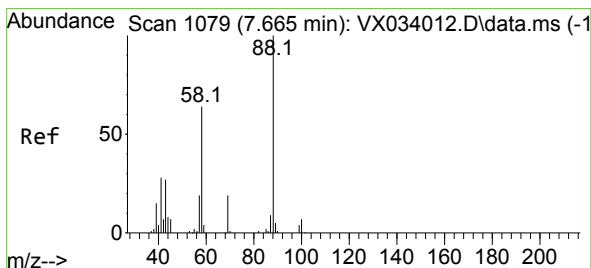
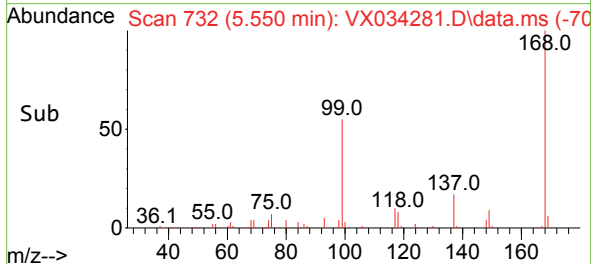
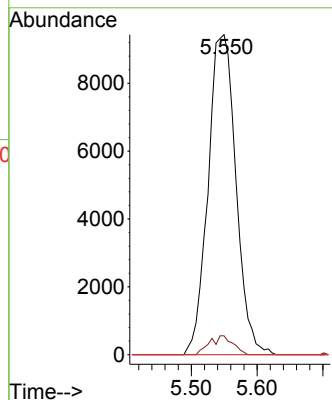


#38
Carbon Tetrachloride
Concen: 5.904 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX034281.D
Acq: 01 Mar 2023 10:22

Instrument :
MSVOA_X
ClientSampleId :

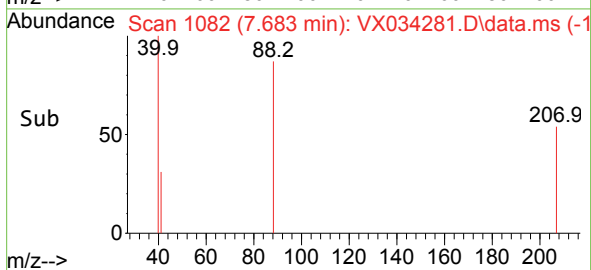
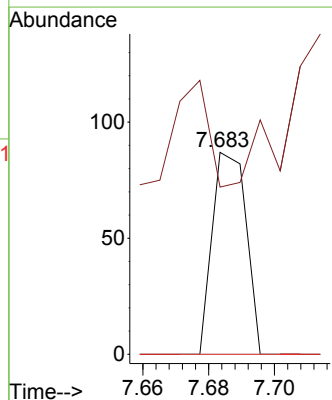
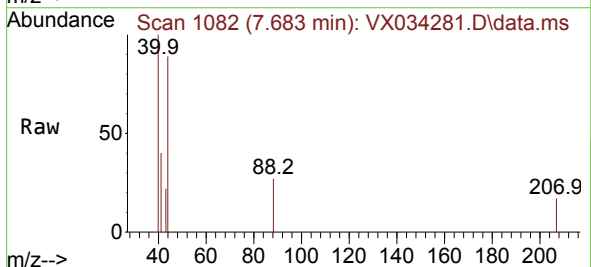


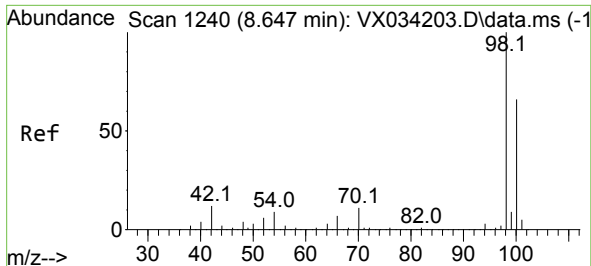
Tgt Ion:117 Resp: 27862
Ion Ratio Lower Upper
117 100
119 5.9 78.0 117.0#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 0.724 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.031 min
Lab File: VX034281.D
Acq: 01 Mar 2023 10:22

Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 308.1 0.0 0.0#
58 0.0 56.5 84.7#

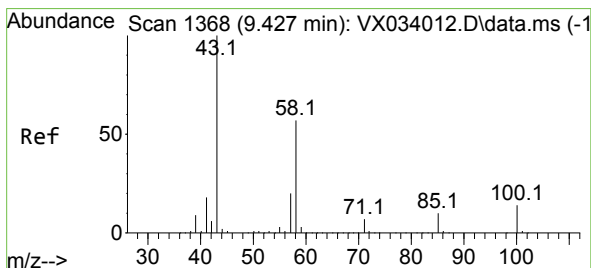
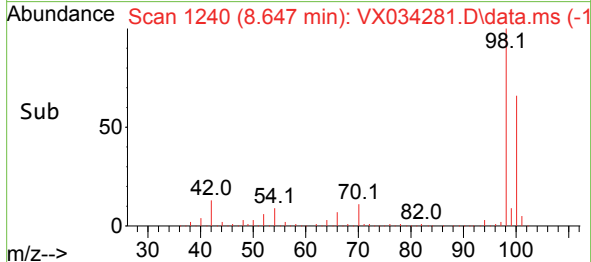
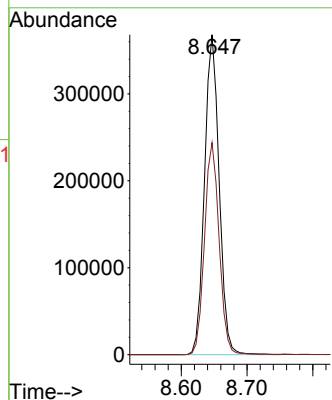
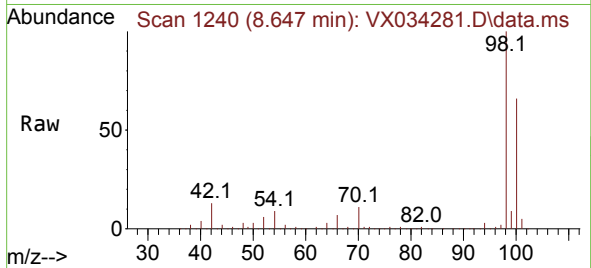




#50
Toluene-d8
Concen: 51.191 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034281.D
Acq: 01 Mar 2023 10:22

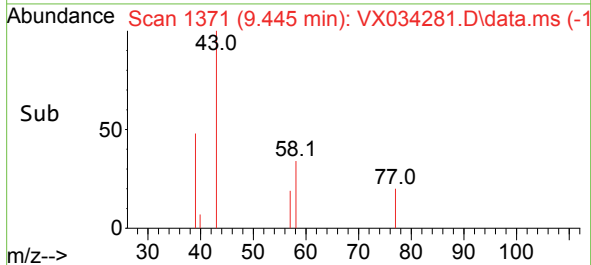
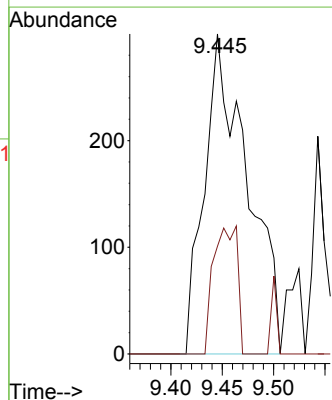
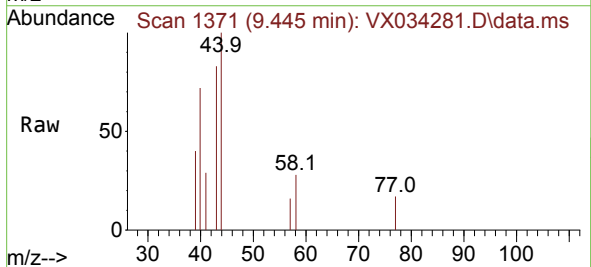
Instrument :
MSVOA_X
ClientSampleId :

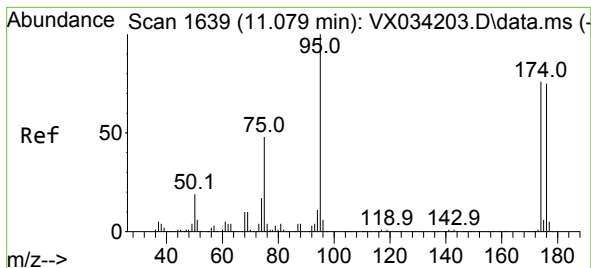
Tgt Ion: 98 Resp: 569986
Ion Ratio Lower Upper
98 100
100 66.2 53.6 80.4



#59
2-Hexanone
Concen: 0.230 ug/l
RT: 9.445 min Scan# 1371
Delta R.T. 0.018 min
Lab File: VX034281.D
Acq: 01 Mar 2023 10:22

Tgt Ion: 43 Resp: 872
Ion Ratio Lower Upper
43 100
58 22.1 27.4 82.0#

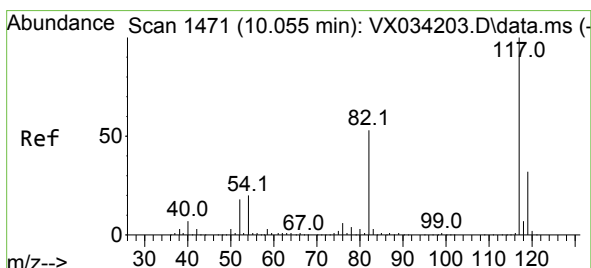
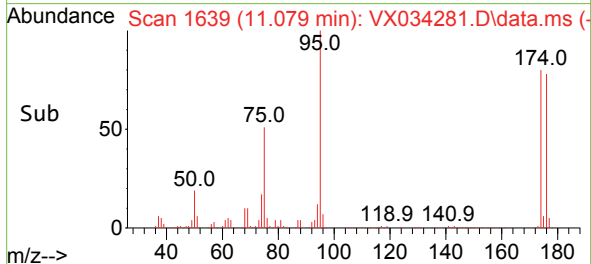
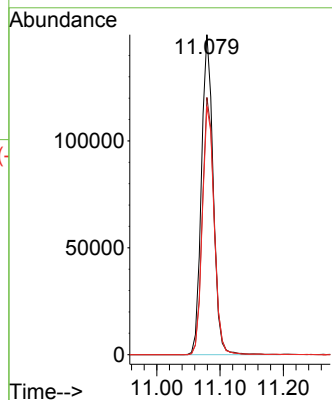
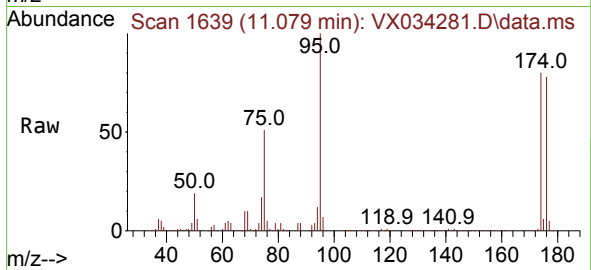




#62
4-Bromofluorobenzene
Concen: 45.371 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034281.D
Acq: 01 Mar 2023 10:22

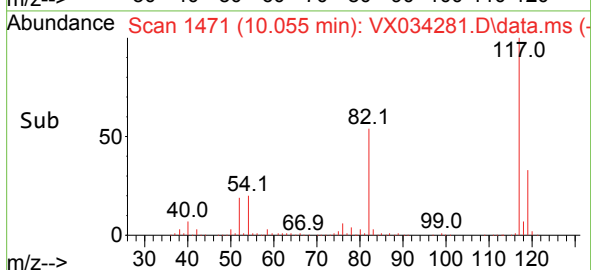
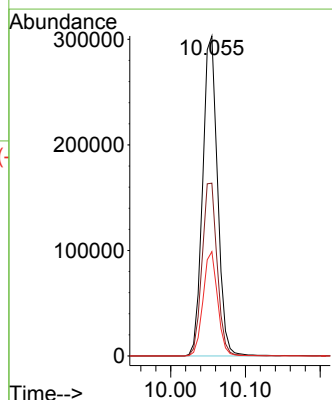
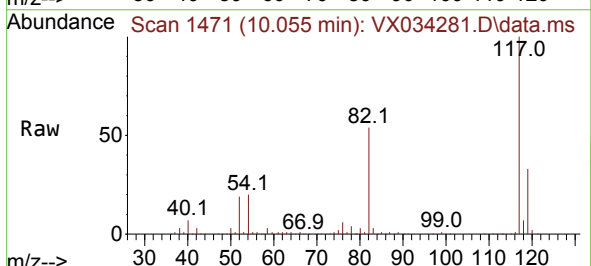
Instrument :
MSVOA_X
ClientSampleId :

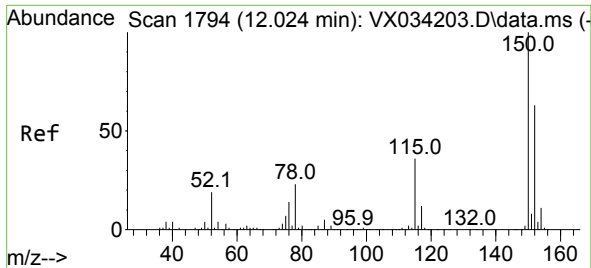
Tgt Ion: 95 Resp: 193235
Ion Ratio Lower Upper
95 100
174 81.0 0.0 184.4
176 78.4 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034281.D
Acq: 01 Mar 2023 10:22

Tgt Ion: 117 Resp: 419322
Ion Ratio Lower Upper
117 100
82 54.0 40.6 60.8
119 32.6 25.6 38.4

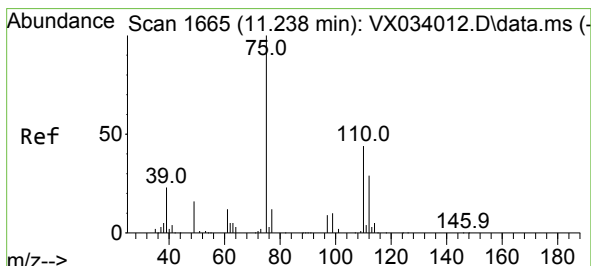
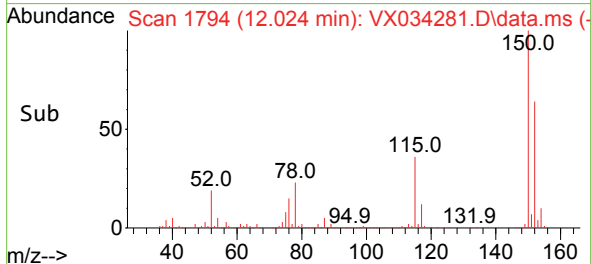
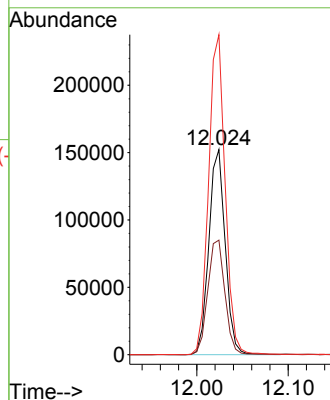
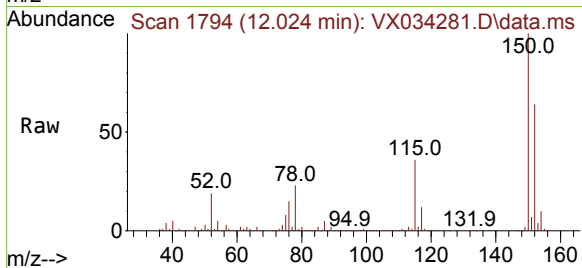




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX034281.D
 Acq: 01 Mar 2023 10:22

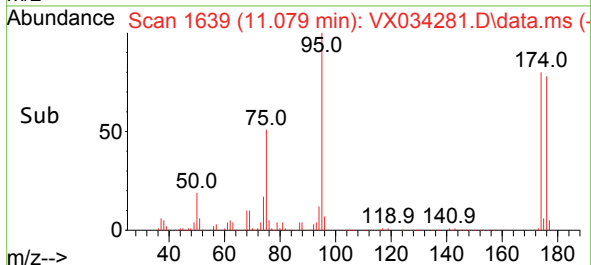
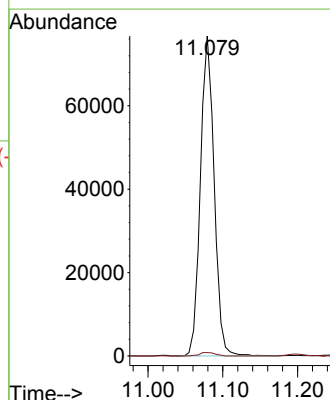
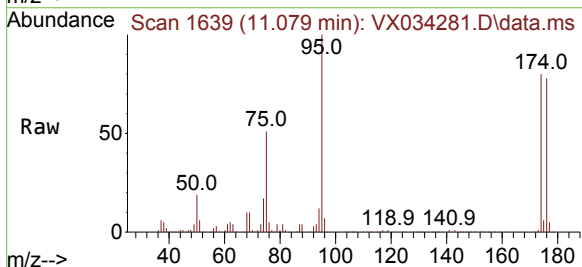
Instrument :
 MSVOA_X
 ClientSampleId :

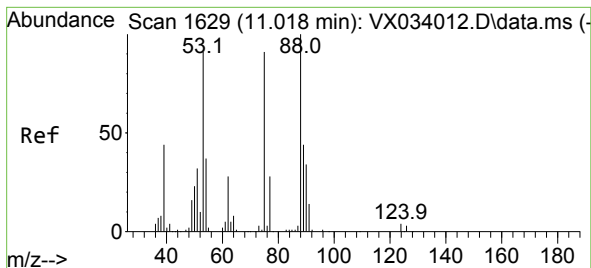
Tgt Ion:152 Resp: 189245
 Ion Ratio Lower Upper
 152 100
 115 58.5 38.7 116.1
 150 157.5 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 20.608 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX034281.D
 Acq: 01 Mar 2023 10:22

Tgt Ion: 75 Resp: 98133
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.8 65.4#

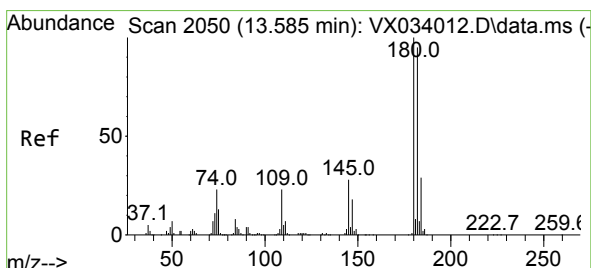
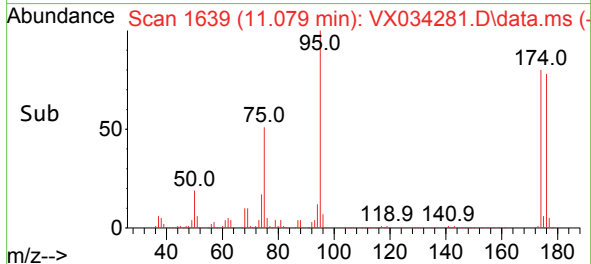
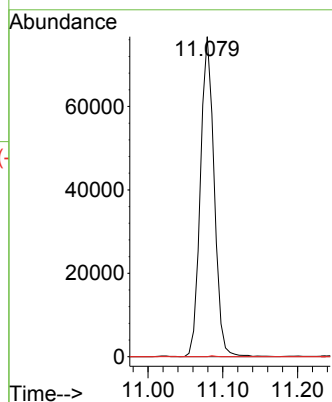
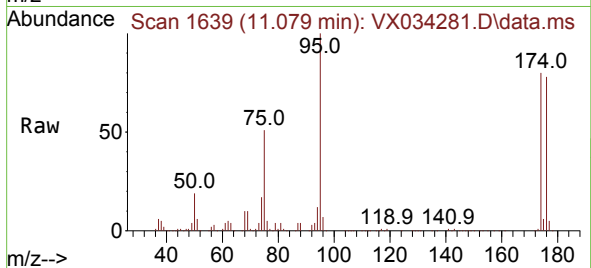




#81
trans-1,4-Dichloro-2-butene
Concen: 52.940 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034281.D
Acq: 01 Mar 2023 10:22

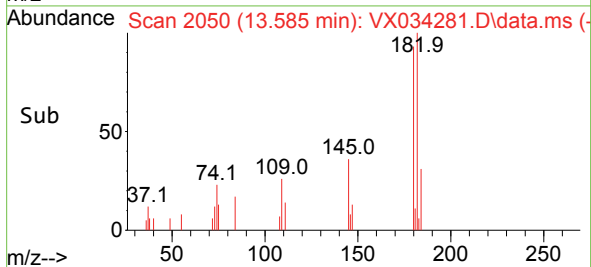
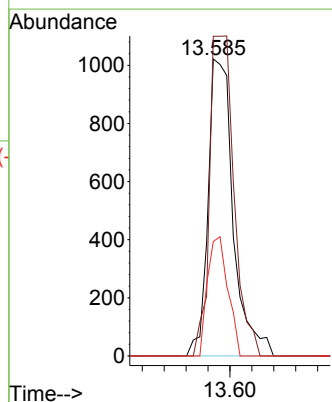
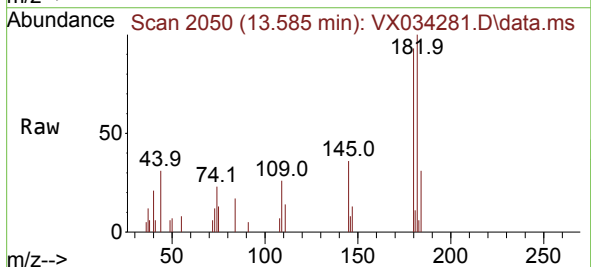
Instrument :
MSVOA_X
ClientSampleId :

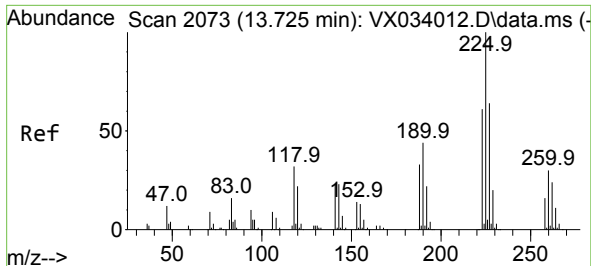
Tgt Ion: 75 Resp: 98133
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.1 37.7 56.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.397 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.006 min
Lab File: VX034281.D
Acq: 01 Mar 2023 10:22

Tgt Ion: 180 Resp: 1625
Ion Ratio Lower Upper
180 100
182 105.1 47.9 143.6
145 32.4 14.1 42.2

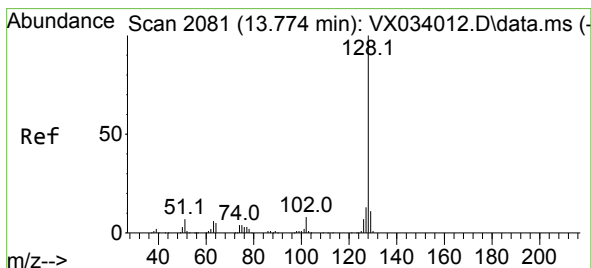
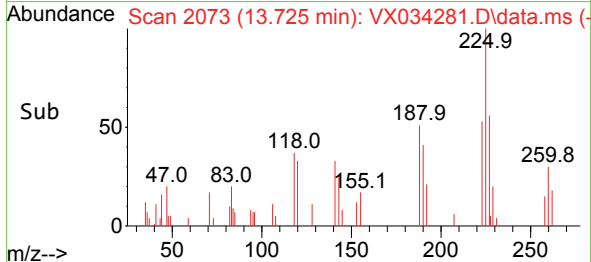
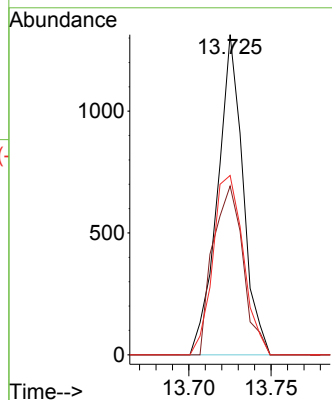
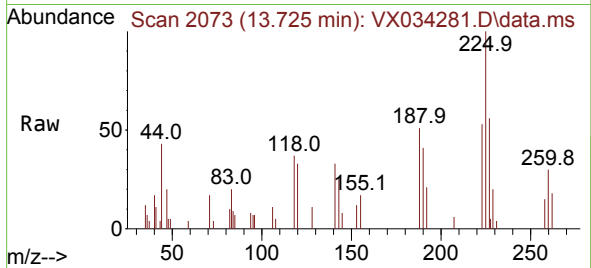




#94
Hexachlorobutadiene
Concen: 0.834 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX034281.D
Acq: 01 Mar 2023 10:22

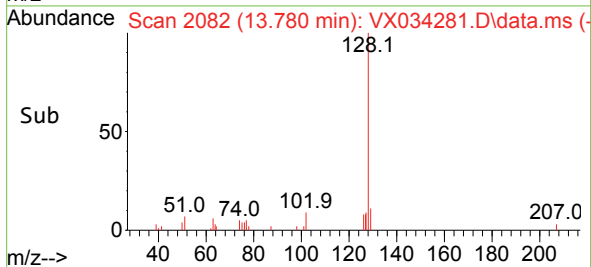
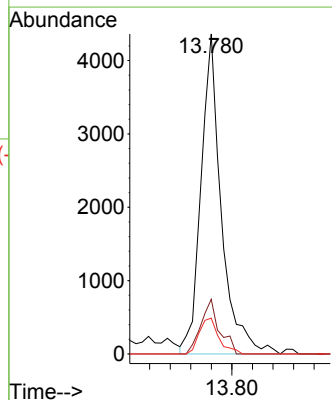
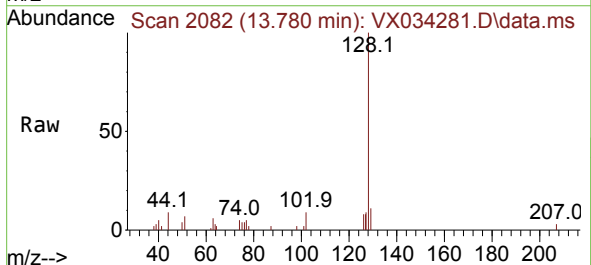
Instrument :
MSVOA_X
ClientSampleId :

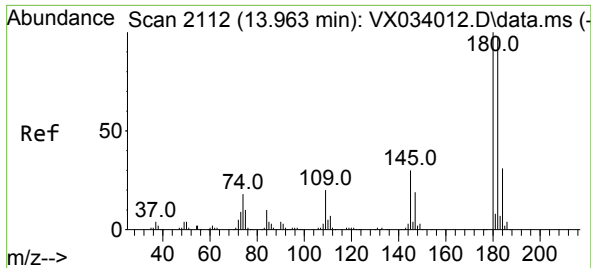
Tgt Ion:225 Resp: 1414
Ion Ratio Lower Upper
225 100
223 62.4 31.3 93.9
227 67.1 32.3 96.9



#95
Naphthalene
Concen: 0.436 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX034281.D
Acq: 01 Mar 2023 10:22

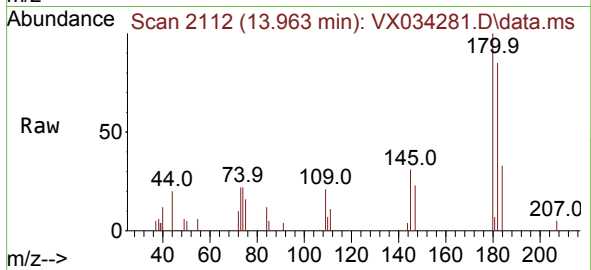
Tgt Ion:128 Resp: 6007
Ion Ratio Lower Upper
128 100
127 15.5 10.3 15.5
129 10.8 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.478 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX034281.D
 Acq: 01 Mar 2023 10:22

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	1941
Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.6	142.9
145	29.7	15.1	45.3

