

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100623\
 Data File : VX038117.D
 Acq On : 06 Oct 2023 09:52
 Operator : JC/MD
 Sample : VX1006MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 07 04:15:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

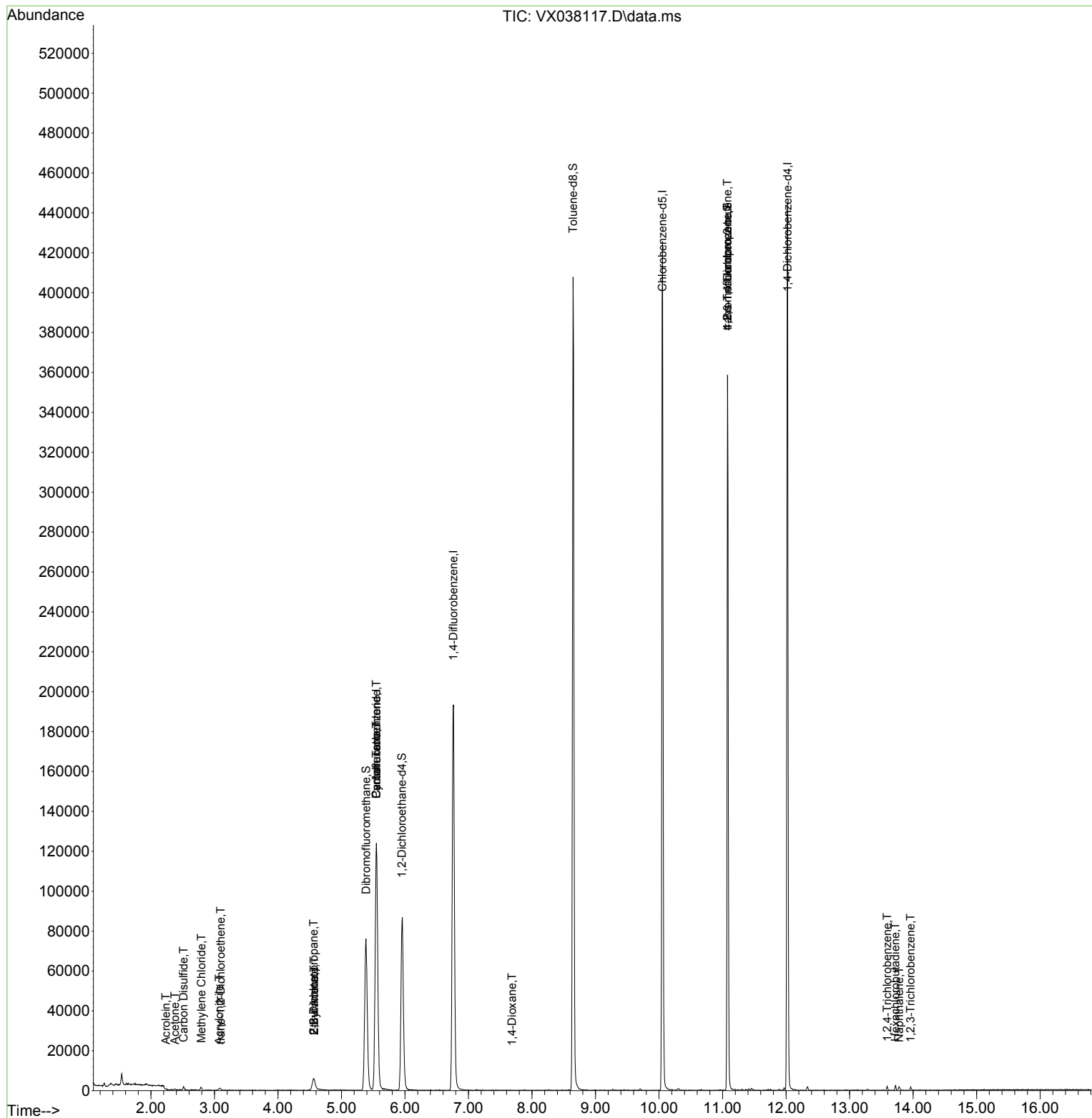
Internal Standards						
1) Pentafluorobenzene	5.550	168	113728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	198122	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	188378	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92075	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83226	45.498	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.000%		
35) Dibromofluoromethane	5.385	113	63550	44.515	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.040%		
50) Toluene-d8	8.647	98	246247	45.140	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.280%#		
62) 4-Bromofluorobenzene	11.079	95	89400	43.228	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.460%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	109	Below Cal	#	3
6) Chloroethane	1.672	64	171	Below Cal	#	43
11) Tert butyl alcohol	2.965	59	55	Below Cal	#	78
13) Acrolein	2.233	56	149	0.573	ug/l #	78
15) Acrylonitrile	3.075	53	582	0.699	ug/l	95
16) Acetone	2.380	43	502	0.658	ug/l	99
17) Carbon Disulfide	2.514	76	1777	0.593	ug/l	97
20) Methylene Chloride	2.794	84	638	0.444	ug/l #	72
21) trans-1,2-Dichloroethene	3.099	96	287	0.223	ug/l #	39
25) 2-Butanone	4.568	43	485	0.394	ug/l #	51
26) 2,2-Dichloropropane	4.562	77	454	0.246	ug/l #	54
31) Cyclohexane	5.550	56	2881	1.454	ug/l #	1
37) Ethyl Acetate	4.568	43	485	0.207	ug/l #	29
38) Carbon Tetrachloride	5.550	117	11450	5.912	ug/l #	15
49) 1,4-Dioxane	7.684	88	22	0.536	ug/l #	12
76) 1,2,3-Trichloropropane	11.079	75	49784	23.784	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	49784	67.878	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	602	0.308	ug/l	83
94) Hexachlorobutadiene	13.719	225	429	0.546	ug/l	87
95) Naphthalene	13.780	128	1822	0.268	ug/l #	96
96) 1,2,3-Trichlorobenzene	13.963	180	557	0.295	ug/l #	89

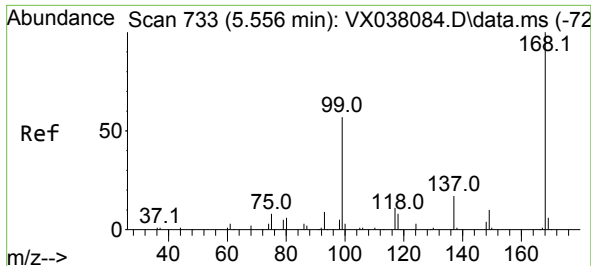
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

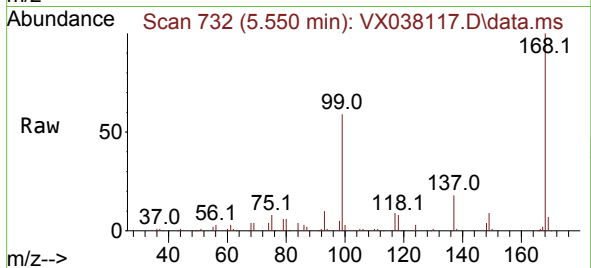
Quant Time: Oct 07 04:15:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration



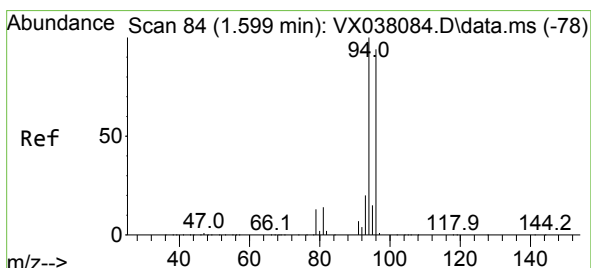
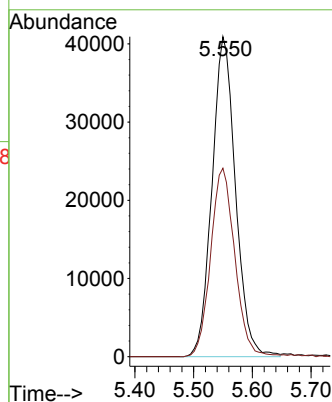
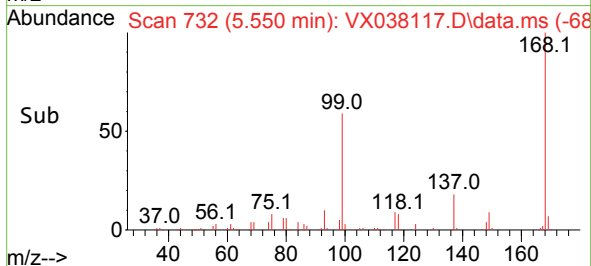


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038117.D
Acq: 06 Oct 2023 09:52

Instrument :
MSVOA_X
ClientSampleId :

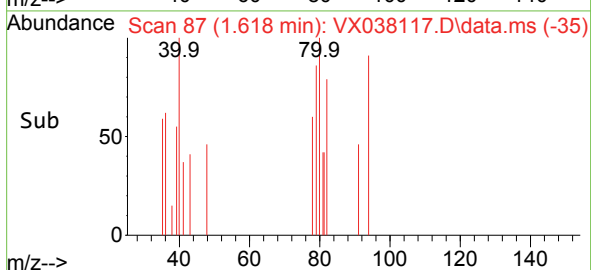
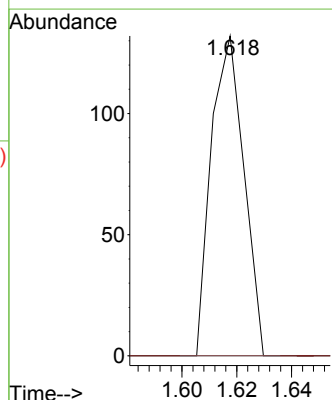
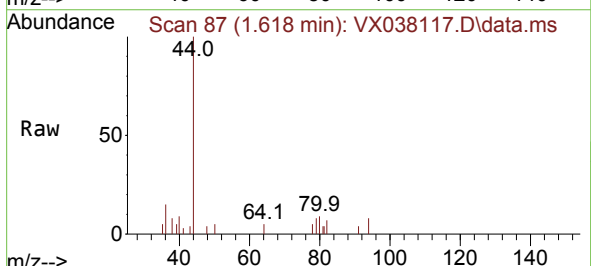


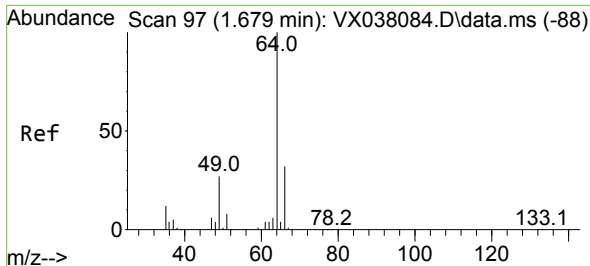
Tgt Ion:168 Resp: 113728
Ion Ratio Lower Upper
168 100
99 58.9 56.6 85.0



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX038117.D
Acq: 06 Oct 2023 09:52

Tgt Ion: 94 Resp: 109
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

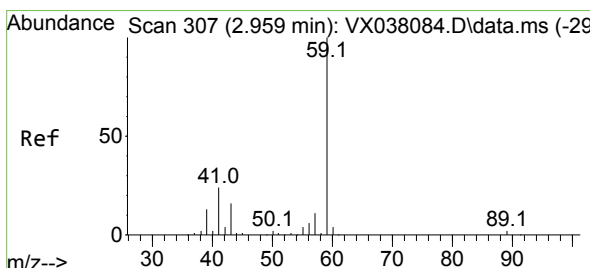
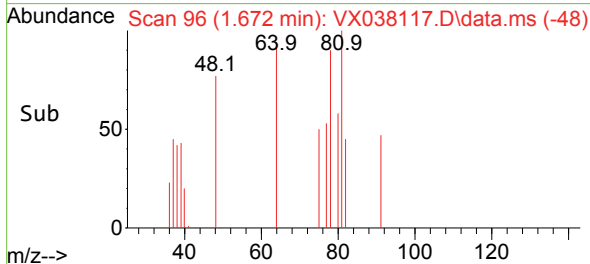
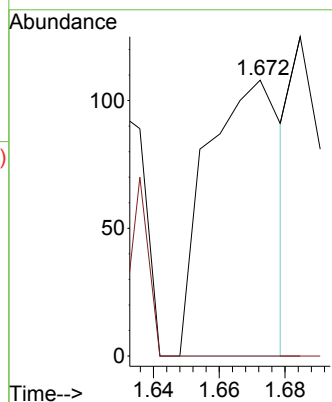
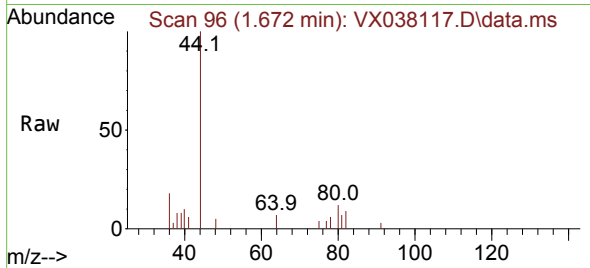




#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 90
Delta R.T. -0.007 min
Lab File: VX038117.D
Acq: 06 Oct 2023 09:52

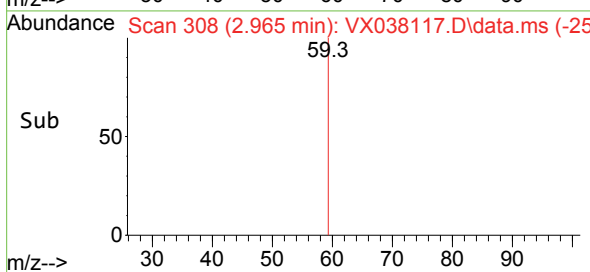
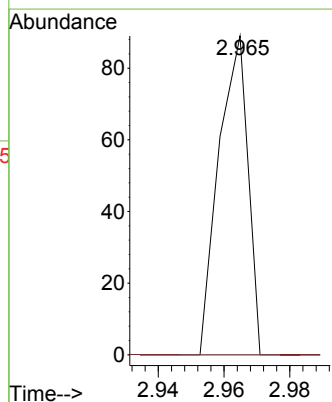
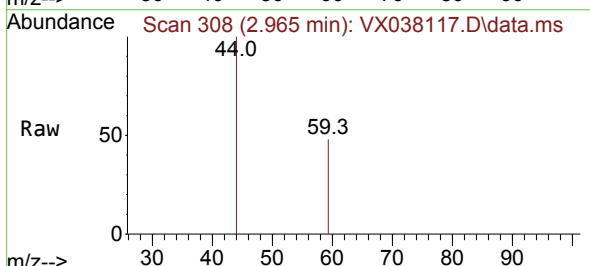
Instrument :
MSVOA_X
ClientSampleId :

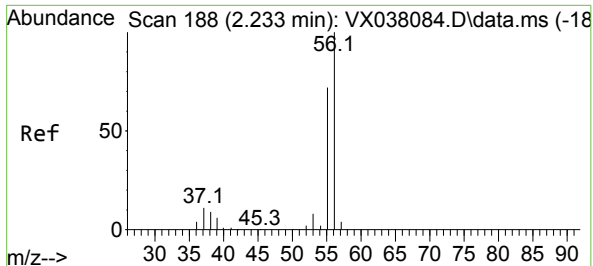
Tgt Ion: 64 Resp: 171
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. 0.006 min
Lab File: VX038117.D
Acq: 06 Oct 2023 09:52

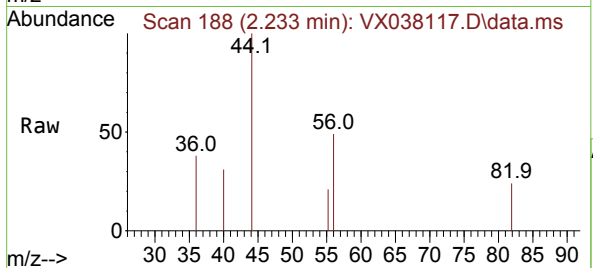
Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



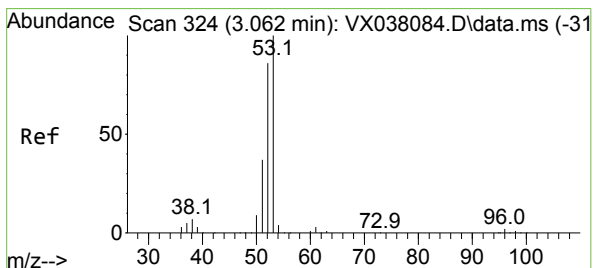
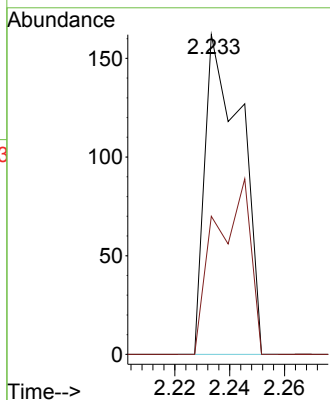
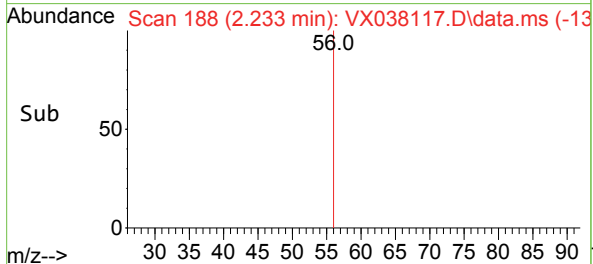


#13
Acrolein
Concen: 0.573 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038117.D
Acq: 06 Oct 2023 09:52

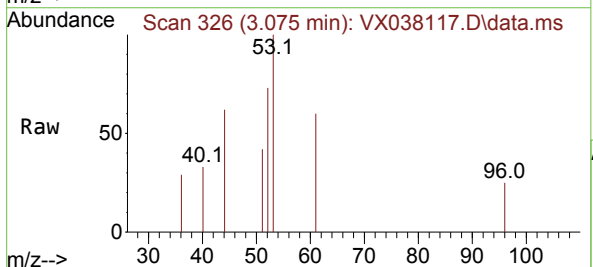
Instrument :
MSVOA_X
ClientSampleId :



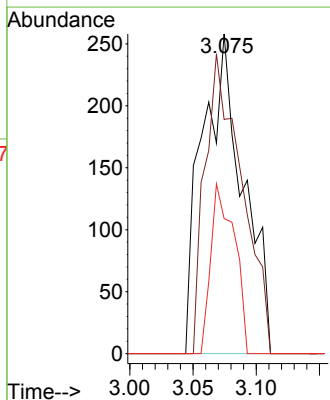
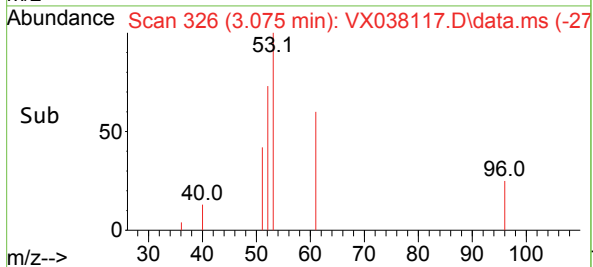
Tgt Ion: 56 Resp: 149
Ion Ratio Lower Upper
56 100
55 53.0 57.1 85.7#

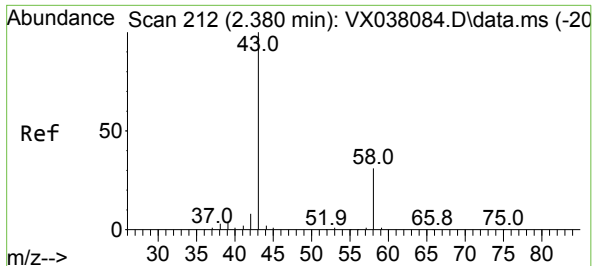


#15
Acrylonitrile
Concen: 0.699 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.013 min
Lab File: VX038117.D
Acq: 06 Oct 2023 09:52



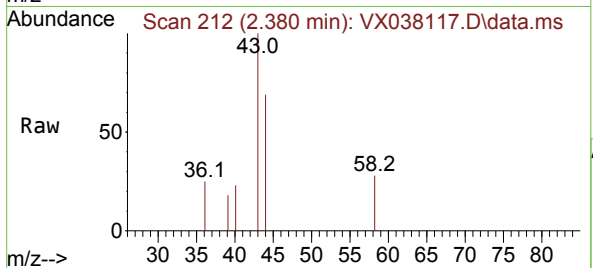
Tgt Ion: 53 Resp: 582
Ion Ratio Lower Upper
53 100
52 84.0 66.0 99.0
51 30.6 29.8 44.6



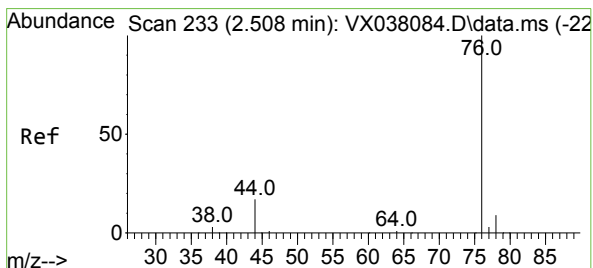
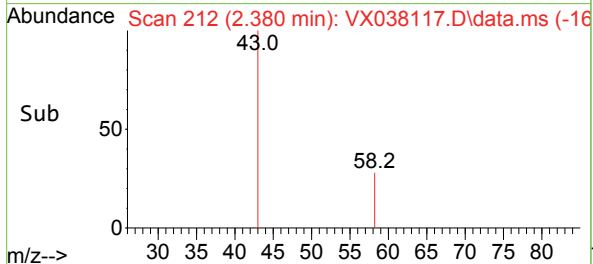
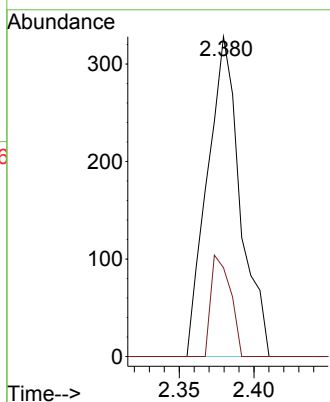


#16
Acetone
Concen: 0.658 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038117.D
Acq: 06 Oct 2023 09:52

Instrument :
MSVOA_X
ClientSampleId :

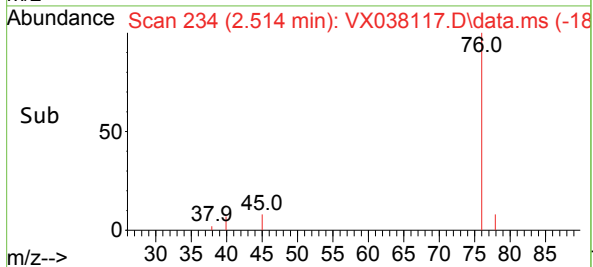
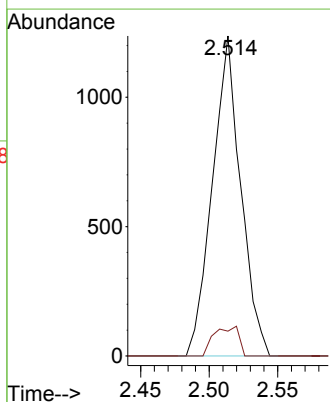
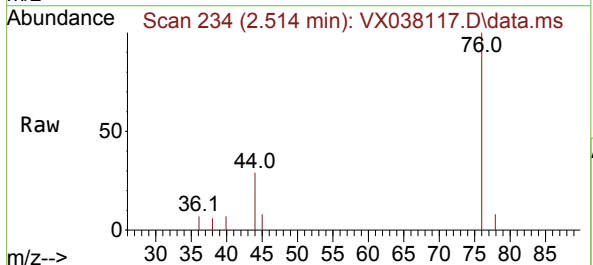


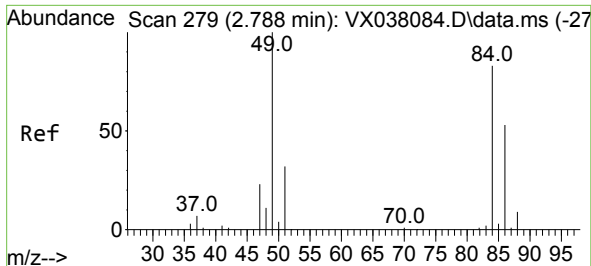
Tgt Ion: 43 Resp: 502
Ion Ratio Lower Upper
43 100
58 27.7 21.9 32.9



#17
Carbon Disulfide
Concen: 0.593 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX038117.D
Acq: 06 Oct 2023 09:52

Tgt Ion: 76 Resp: 1777
Ion Ratio Lower Upper
76 100
78 7.8 7.0 10.6





#20

Methylene Chloride

Concen: 0.444 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

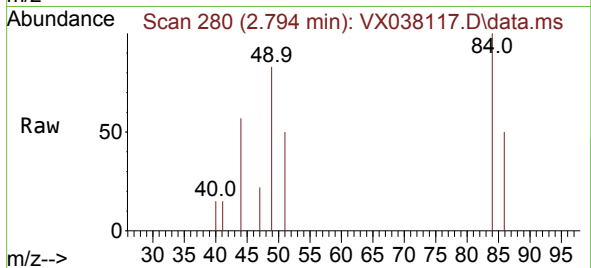
Lab File: VX038117.D

Acq: 06 Oct 2023 09:52

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 638

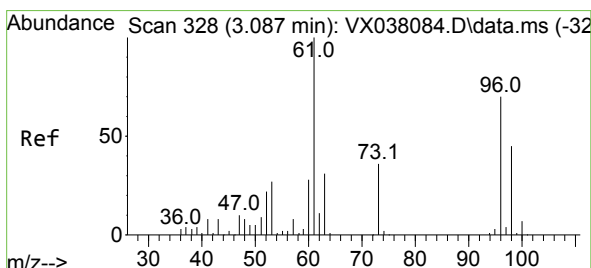
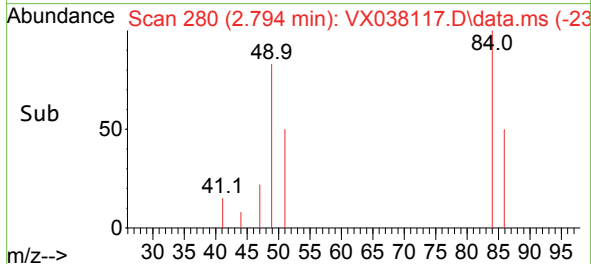
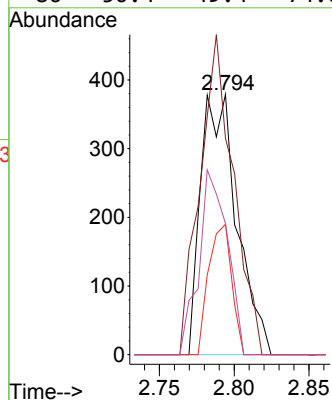
Ion Ratio Lower Upper

84 100

49 83.1 103.6 155.4#

51 50.1 33.8 50.6

86 50.4 49.4 74.0



#21

trans-1,2-Dichloroethene

Concen: 0.223 ug/l

RT: 3.099 min Scan# 330

Delta R.T. 0.012 min

Lab File: VX038117.D

Acq: 06 Oct 2023 09:52

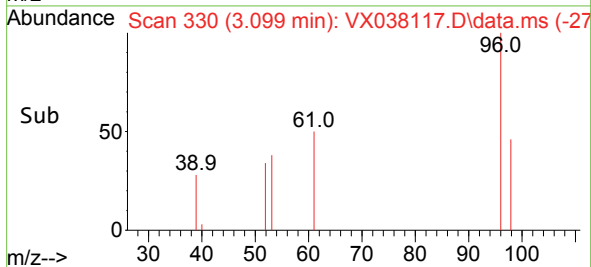
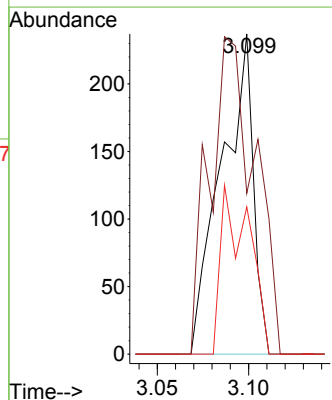
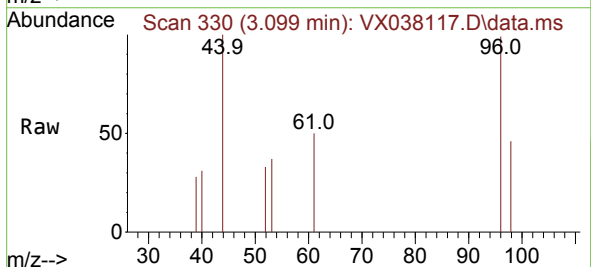
Tgt Ion: 96 Resp: 287

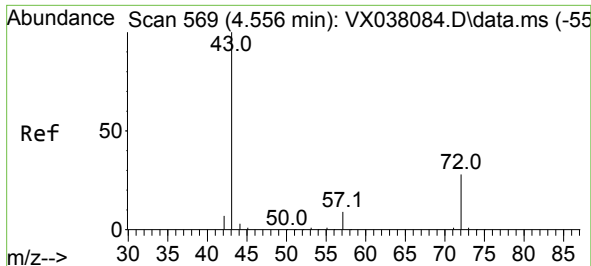
Ion Ratio Lower Upper

96 100

61 50.2 119.2 178.8#

98 46.0 48.7 73.1#





#25

2-Butanone

Concen: 0.394 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX038117.D

Acq: 06 Oct 2023 09:52

Instrument :

MSVOA_X

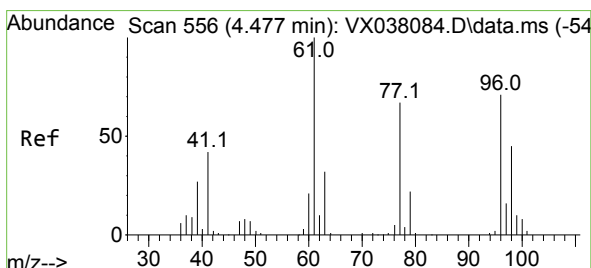
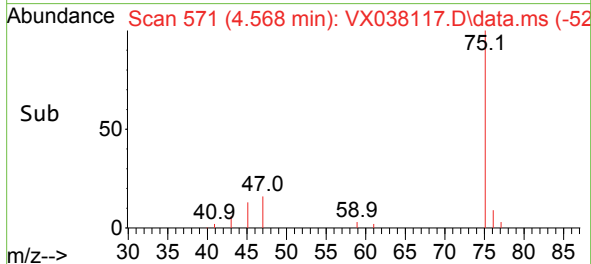
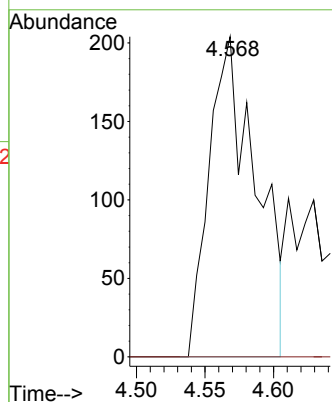
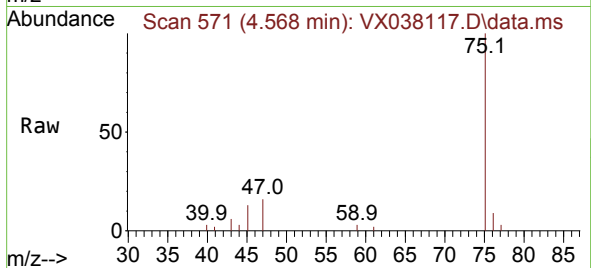
ClientSampleId :

Tgt Ion: 43 Resp: 485

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



#26

2,2-Dichloropropane

Concen: 0.246 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.085 min

Lab File: VX038117.D

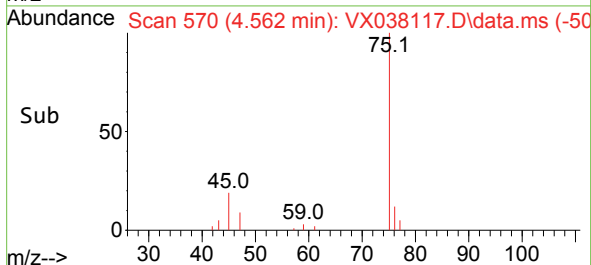
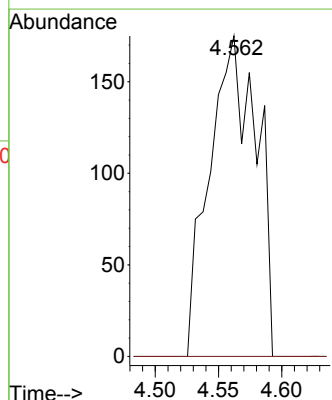
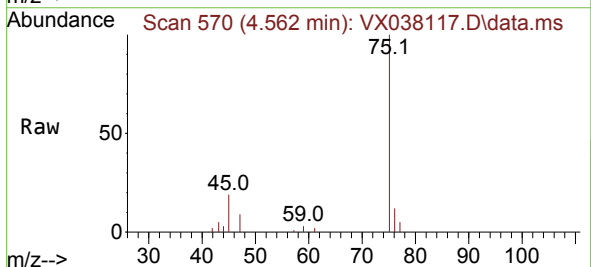
Acq: 06 Oct 2023 09:52

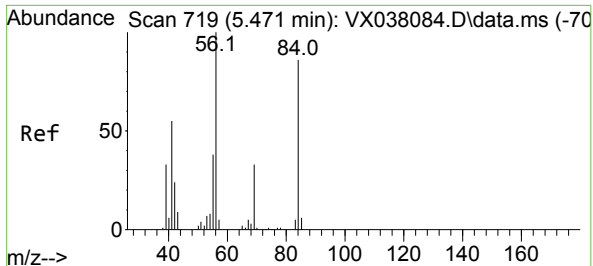
Tgt Ion: 77 Resp: 454

Ion Ratio Lower Upper

77 100

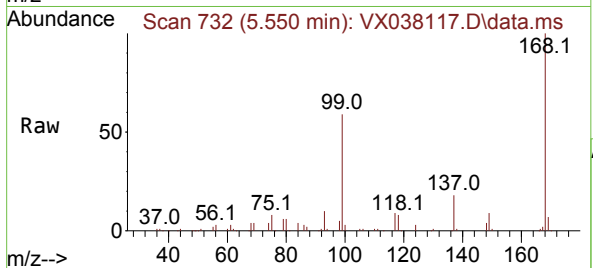
97 0.0 10.8 32.3#



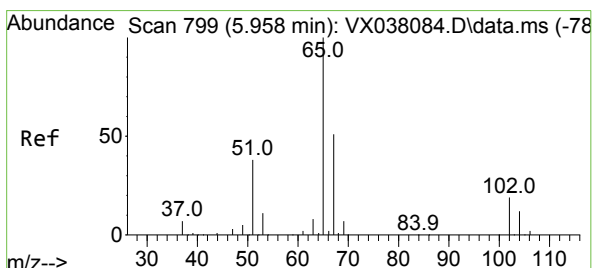
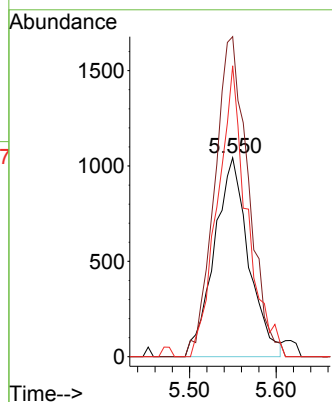
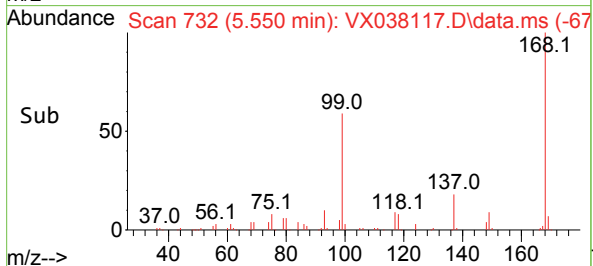


#31
Cyclohexane
Concen: 1.454 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX038117.D
Acq: 06 Oct 2023 09:52

Instrument :
MSVOA_X
ClientSampleId :

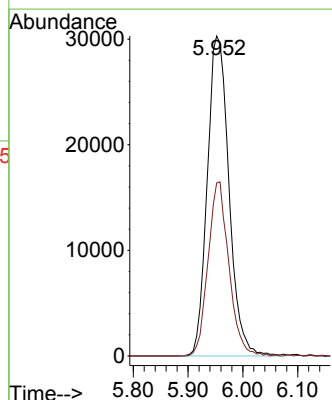
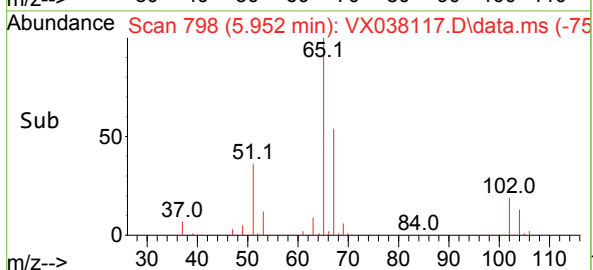
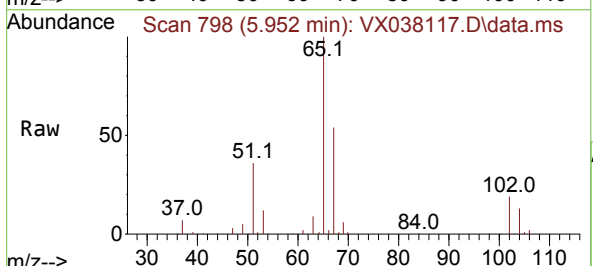


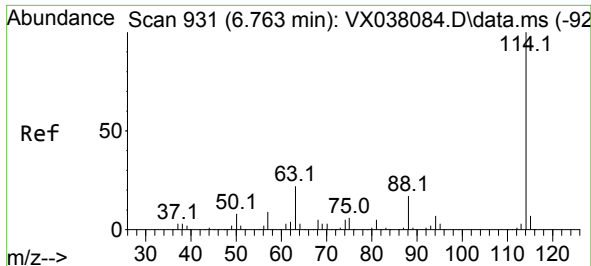
Tgt Ion: 56 Resp: 2881
Ion Ratio Lower Upper
56 100
69 160.9 23.4 35.2#
84 146.2 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.498 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX038117.D
Acq: 06 Oct 2023 09:52

Tgt Ion: 65 Resp: 83226
Ion Ratio Lower Upper
65 100
67 52.2 0.0 100.2

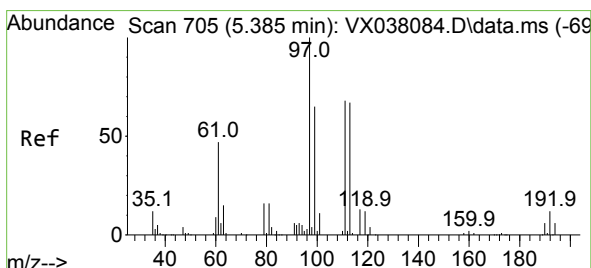
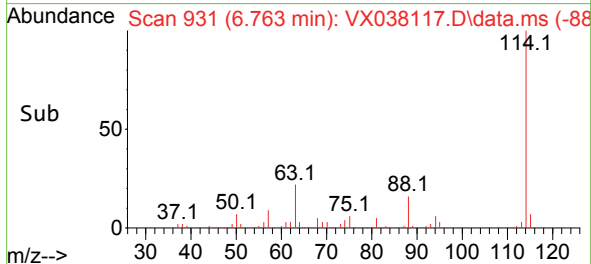
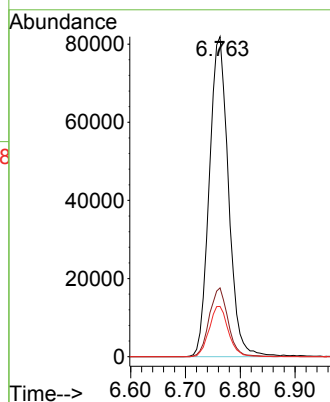
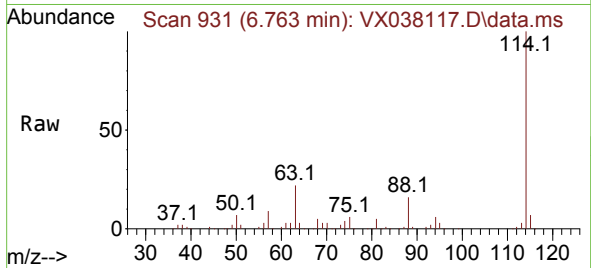




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038117.D
Acq: 06 Oct 2023 09:52

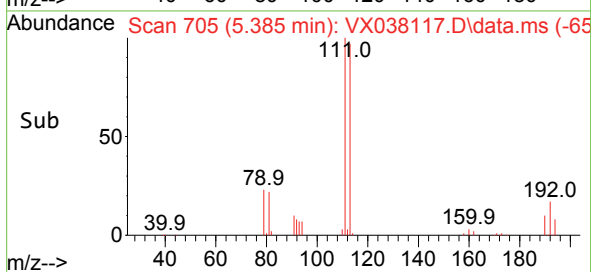
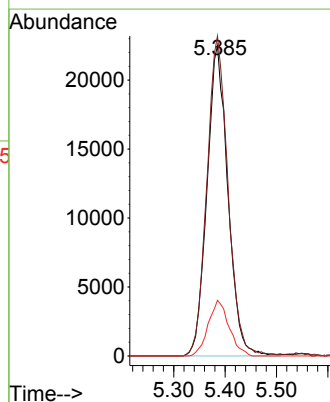
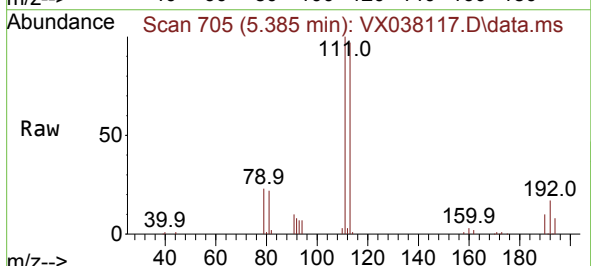
Instrument :
MSVOA_X
ClientSampleId :

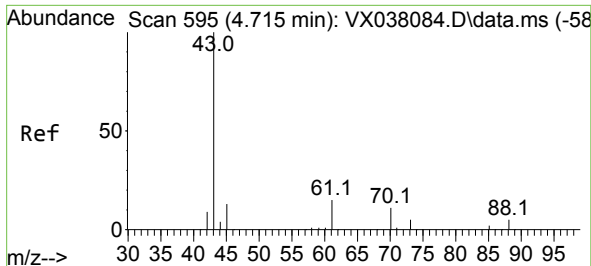
Tgt Ion:114 Resp: 198122
Ion Ratio Lower Upper
114 100
63 21.5 0.0 45.0
88 15.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.515 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038117.D
Acq: 06 Oct 2023 09:52

Tgt Ion:113 Resp: 63550
Ion Ratio Lower Upper
113 100
111 104.2 82.9 124.3
192 17.8 13.3 19.9





#37

Ethyl Acetate

Concen: 0.207 ug/l

RT: 4.568 min Scan# 51

Delta R.T. -0.147 min

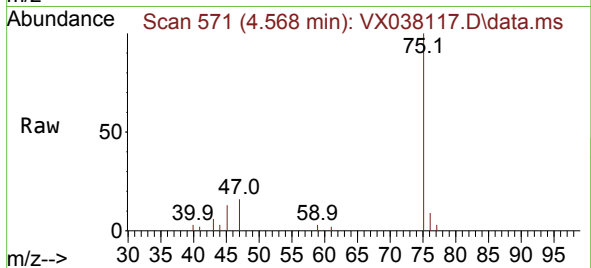
Lab File: VX038117.D

Acq: 06 Oct 2023 09:52

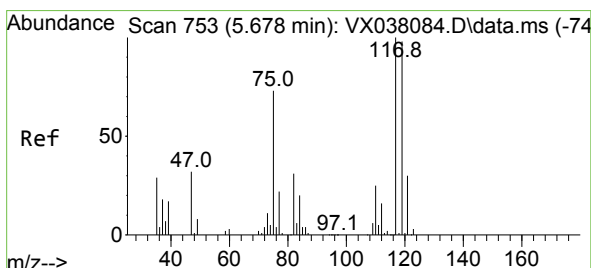
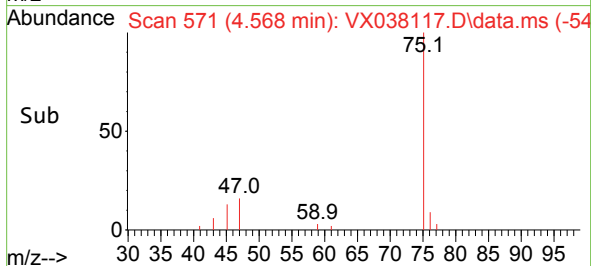
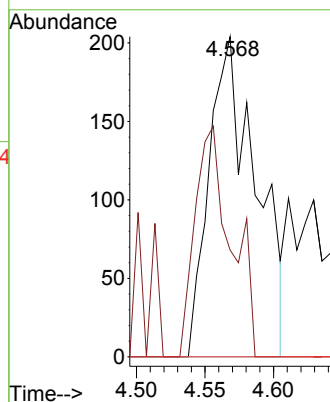
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 485
Ion Ratio	Lower Upper
43	100
61	55.5 10.6 16.0#
70	0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.912 ug/l

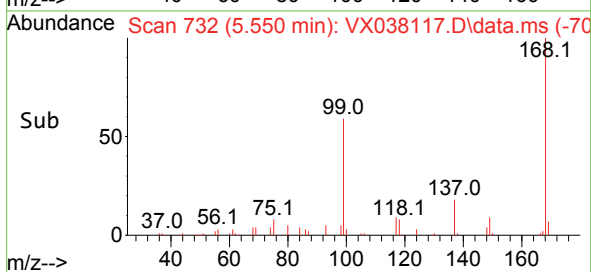
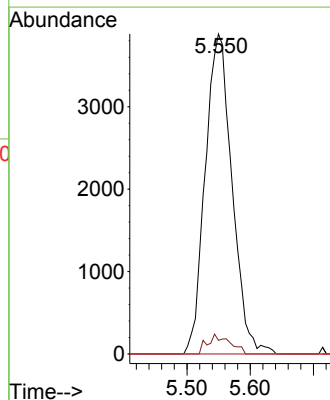
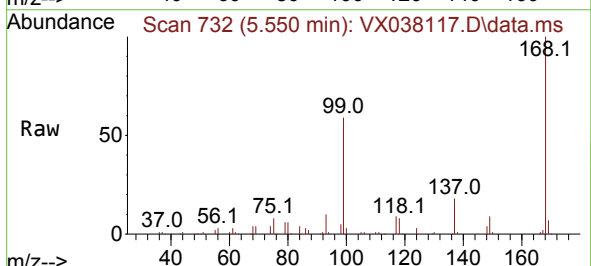
RT: 5.550 min Scan# 732

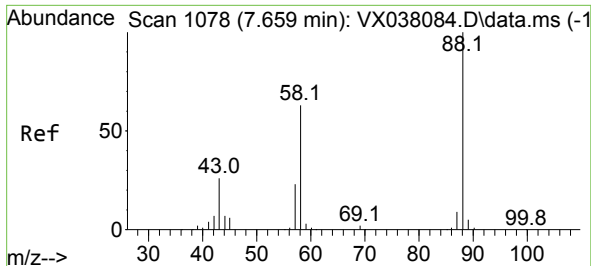
Delta R.T. -0.128 min

Lab File: VX038117.D

Acq: 06 Oct 2023 09:52

Tgt Ion: 117	Resp: 11450
Ion Ratio	Lower Upper
117	100
119	4.3 78.2 117.2#
121	0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 0.536 ug/l

RT: 7.684 min Scan# 1078

Delta R.T. 0.025 min

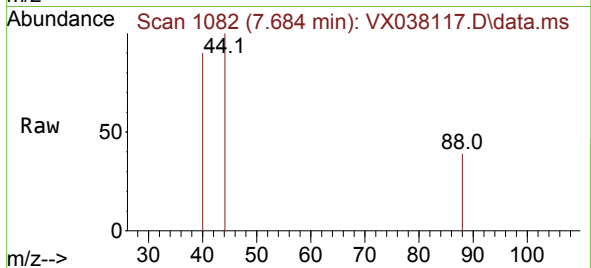
Lab File: VX038117.D

Acq: 06 Oct 2023 09:52

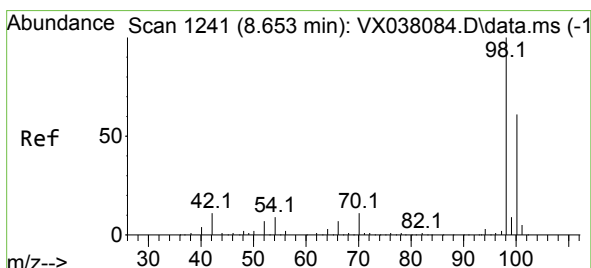
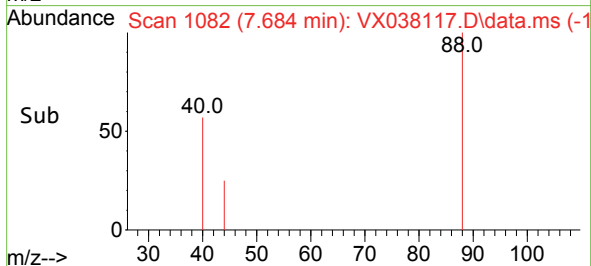
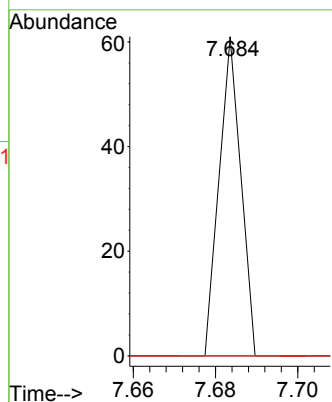
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 88	Resp:	22
Ion	Ratio	Lower Upper
88	100	
43	0.0	0.0 0.0
58	0.0	60.1 90.1#



#50

Toluene-d8

Concen: 45.140 ug/l

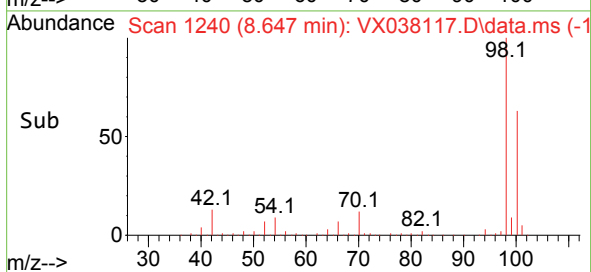
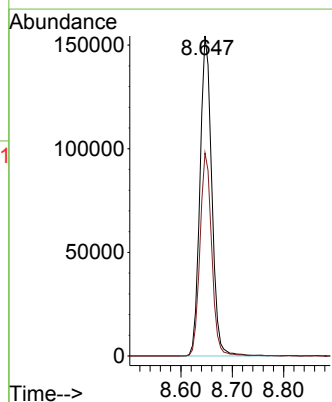
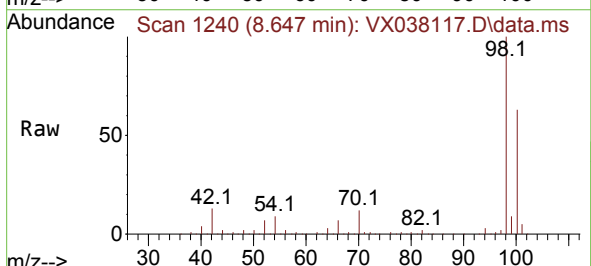
RT: 8.647 min Scan# 1240

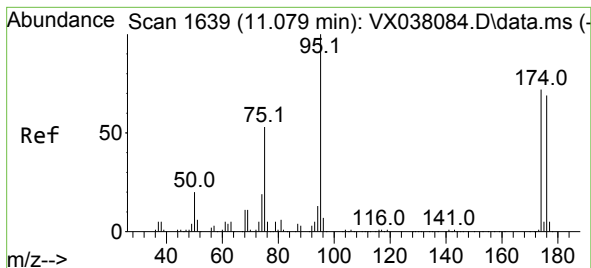
Delta R.T. -0.006 min

Lab File: VX038117.D

Acq: 06 Oct 2023 09:52

Tgt Ion: 98	Resp:	246247
Ion	Ratio	Lower Upper
98	100	
100	62.9	53.1 79.7

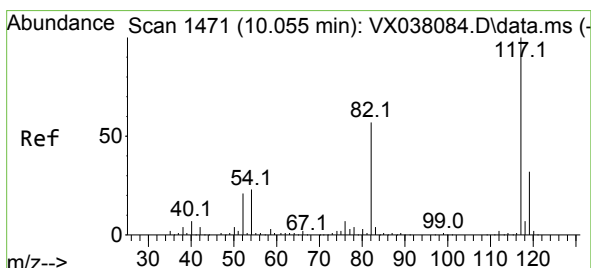
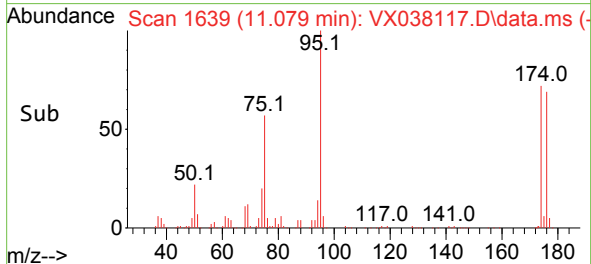
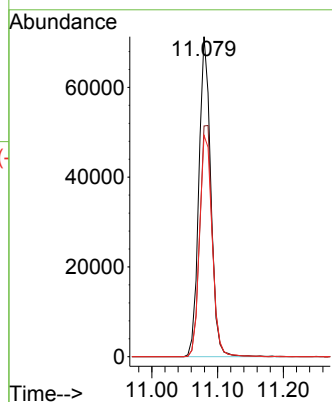
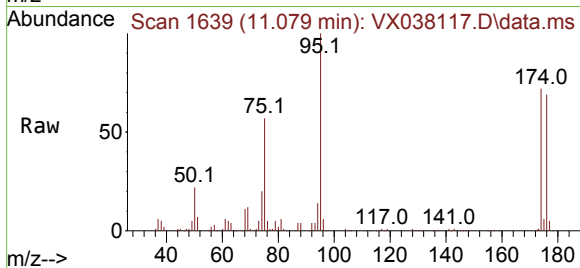




#62
4-Bromofluorobenzene
Concen: 43.228 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038117.D
Acq: 06 Oct 2023 09:52

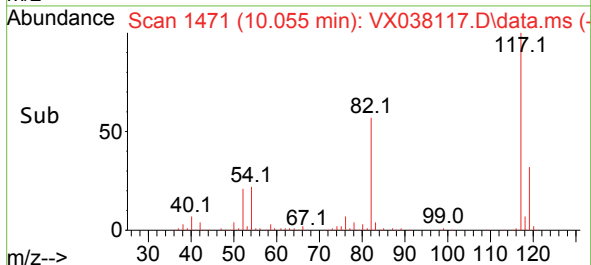
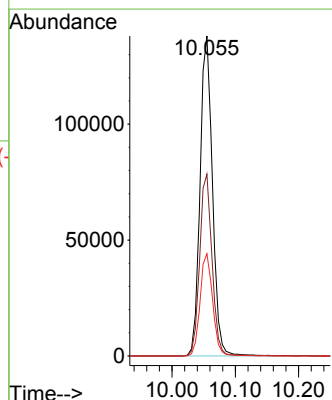
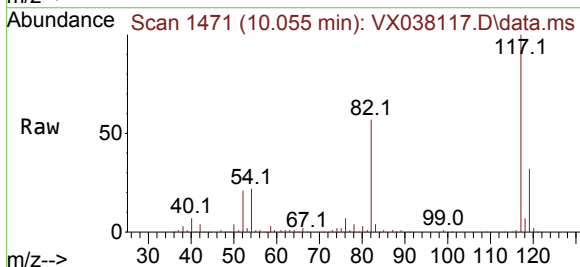
Instrument :
MSVOA_X
ClientSampleId :

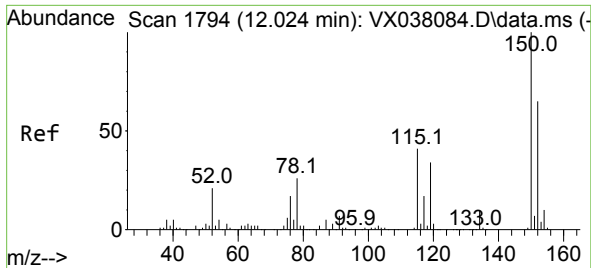
Tgt Ion: 95 Resp: 89400
Ion Ratio Lower Upper
95 100
174 76.5 0.0 135.6
176 73.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038117.D
Acq: 06 Oct 2023 09:52

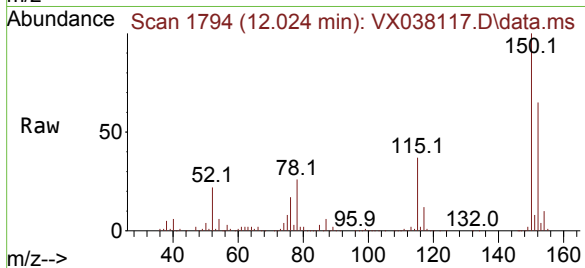
Tgt Ion: 117 Resp: 188378
Ion Ratio Lower Upper
117 100
82 56.8 46.2 69.4
119 31.9 25.5 38.3



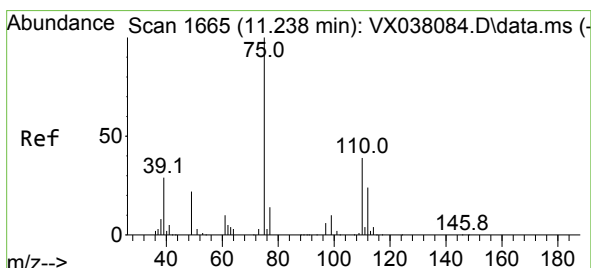
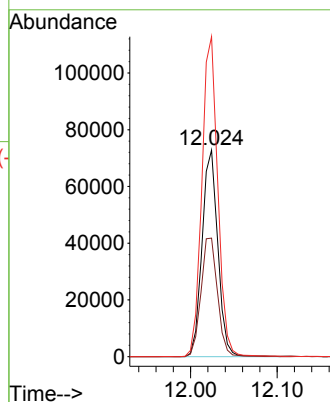
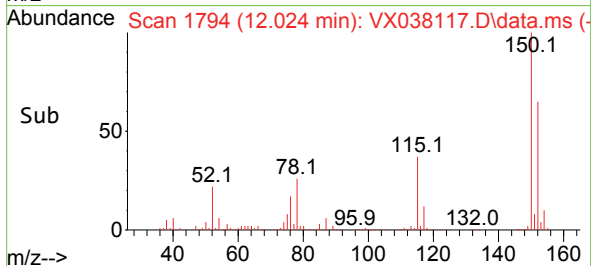


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX038117.D
 Acq: 06 Oct 2023 09:52

Instrument :
 MSVOA_X
 ClientSampleId :

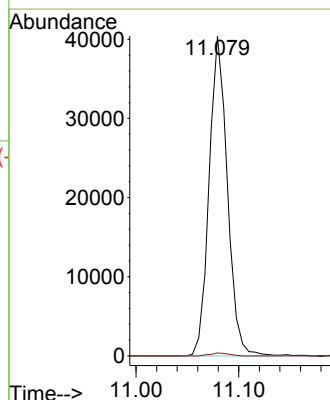
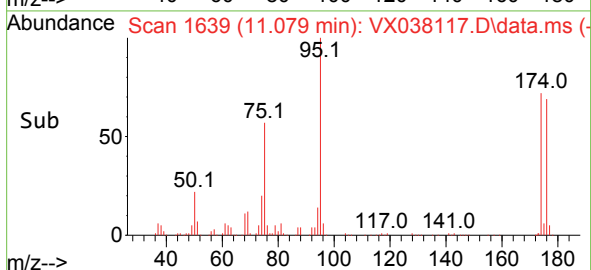
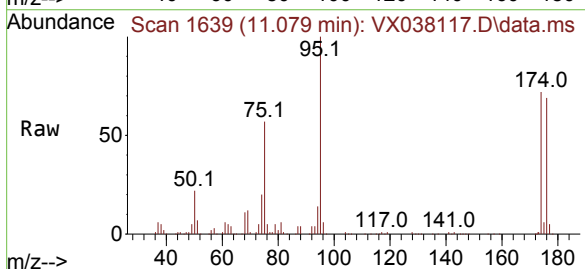


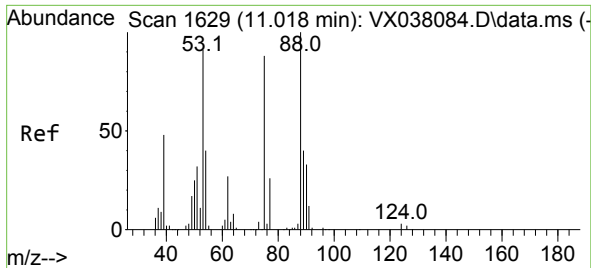
Tgt Ion:152 Resp: 92075
 Ion Ratio Lower Upper
 152 100
 115 60.3 43.3 129.9
 150 156.5 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 23.784 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX038117.D
 Acq: 06 Oct 2023 09:52

Tgt Ion: 75 Resp: 49784
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#

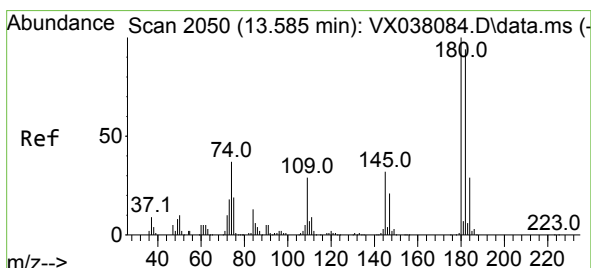
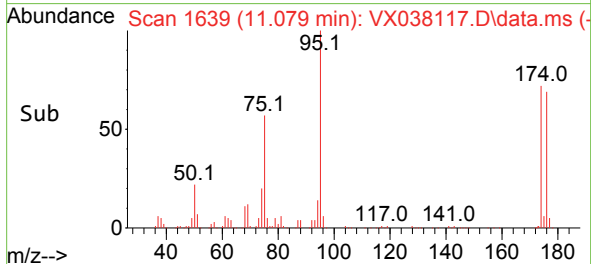
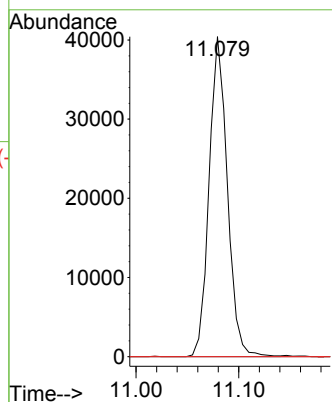
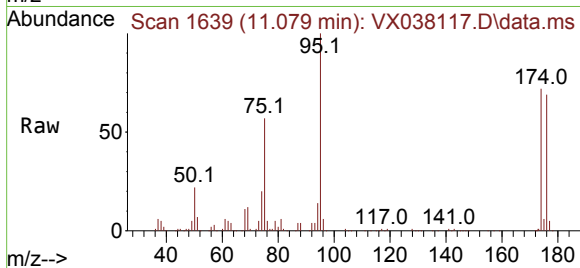




#81
trans-1,4-Dichloro-2-butene
Concen: 67.878 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX038117.D
Acq: 06 Oct 2023 09:52

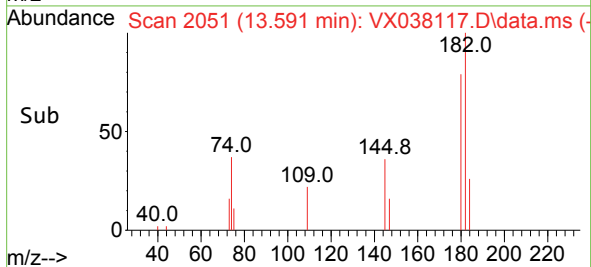
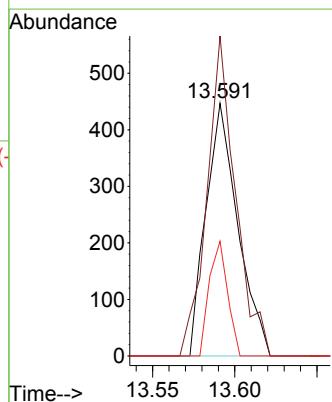
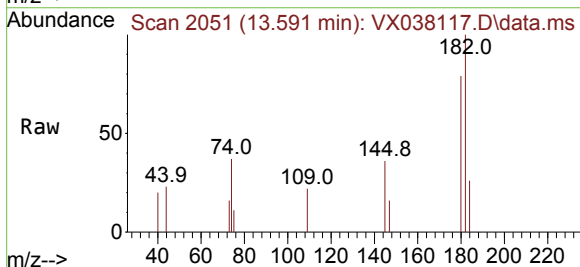
Instrument :
MSVOA_X
ClientSampleId :

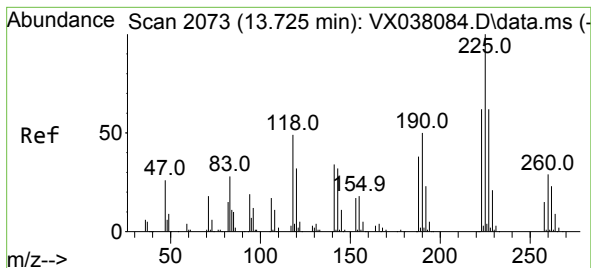
Tgt Ion: 75 Resp: 49784
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.308 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX038117.D
Acq: 06 Oct 2023 09:52

Tgt Ion:180 Resp: 602
Ion Ratio Lower Upper
180 100
182 113.5 48.3 144.8
145 26.1 18.0 54.0





#94

Hexachlorobutadiene

Concen: 0.546 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX038117.D

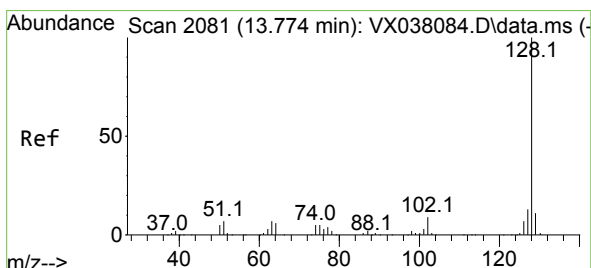
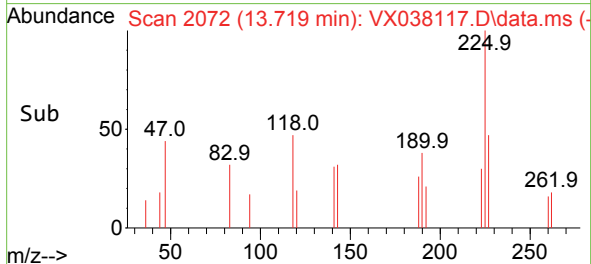
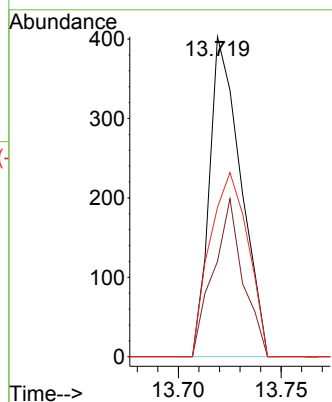
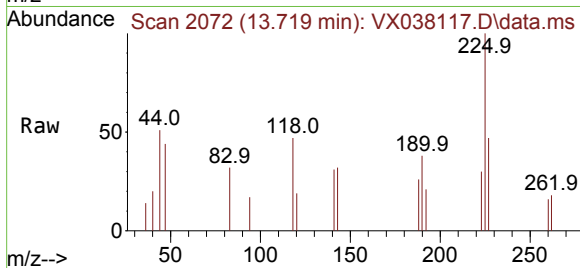
Acq: 06 Oct 2023 09:52

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	225	Resp:	429
Ion Ratio	Lower	Upper	
225	100		
223	46.6	31.1	93.2
227	69.7	32.5	97.5



#95

Naphthalene

Concen: 0.268 ug/l

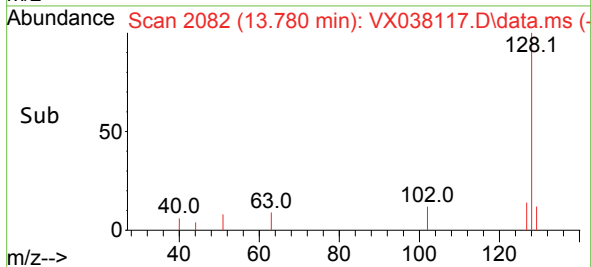
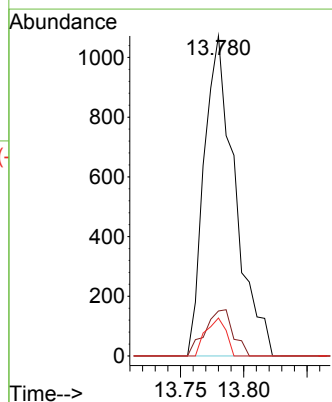
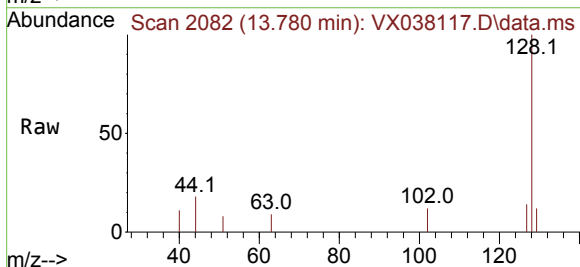
RT: 13.780 min Scan# 2082

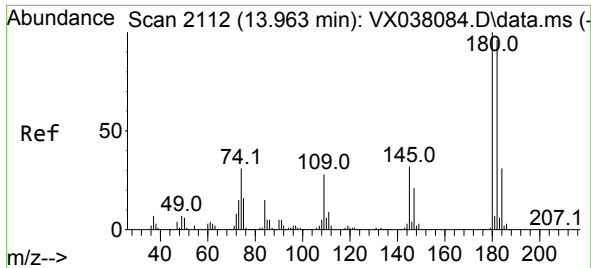
Delta R.T. 0.006 min

Lab File: VX038117.D

Acq: 06 Oct 2023 09:52

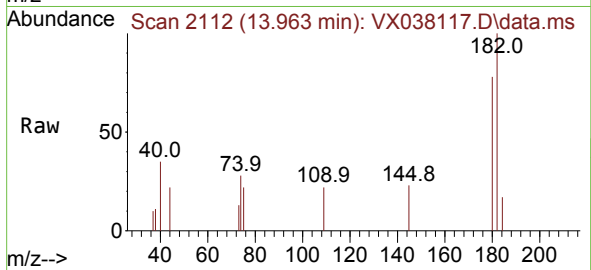
Tgt Ion:	128	Resp:	1822
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.3	15.5
129	7.8	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.295 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX038117.D
 Acq: 06 Oct 2023 09:52

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180 Resp: 557
 Ion Ratio Lower Upper
 180 100
 182 96.4 46.9 140.6
 145 17.1 17.8 53.5#

