

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102623\
 Data File : VX038519.D
 Acq On : 26 Oct 2023 15:40
 Operator : JC/MD
 Sample : VX1026WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 27 05:17:39 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)

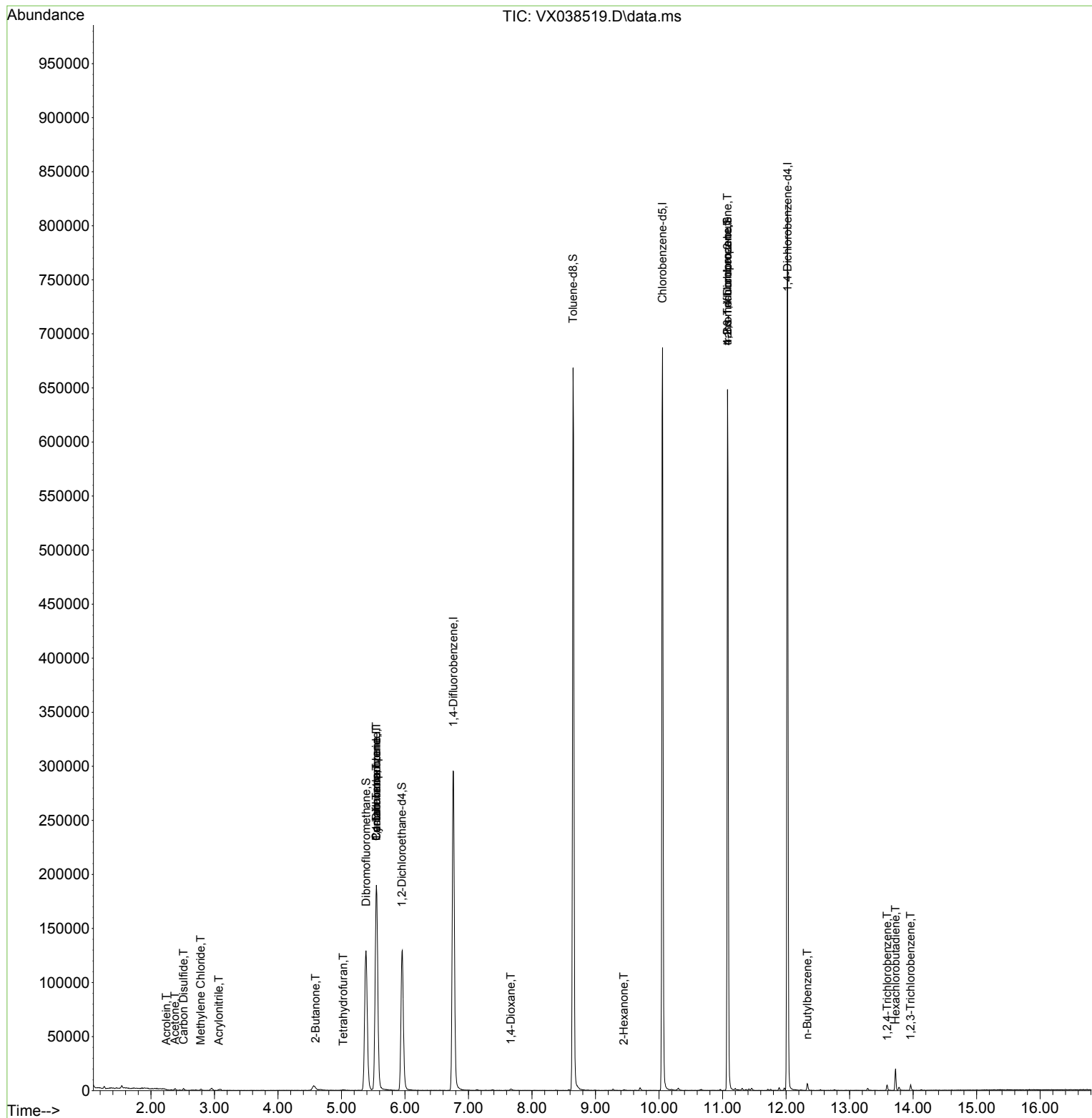
Internal Standards						
1) Pentafluorobenzene	5.550	168	193172	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	322444	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	327920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	180419	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	123223	39.659	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	79.320%
35) Dibromofluoromethane	5.385	113	114043	49.084	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.160%
50) Toluene-d8	8.647	98	416354	46.895	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.800%
62) 4-Bromofluorobenzene	11.079	95	164060	48.742	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.480%
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	245	Below Cal	#	49
6) Chloroethane	1.672	64	103	Below Cal	#	35
11) Tert butyl alcohol	2.959	59	1842	Below Cal		99
13) Acrolein	2.239	56	232	0.525	ug/l #	62
15) Acrylonitrile	3.068	53	714	0.505	ug/l #	61
16) Acetone	2.379	43	1430	1.103	ug/l #	87
17) Carbon Disulfide	2.514	76	1903	0.374	ug/l #	92
20) Methylene Chloride	2.782	84	604	0.248	ug/l #	56
25) 2-Butanone	4.592	43	1179	0.564	ug/l	97
29) Tetrahydrofuran	5.025	42	345	0.253	ug/l #	44
31) Cyclohexane	5.550	56	3678	1.093	ug/l #	4
36) 1,1-Dichloropropene	5.550	75	14045	4.384	ug/l #	51
38) Carbon Tetrachloride	5.550	117	18907	5.999	ug/l #	15
49) 1,4-Dioxane	7.665	88	1310	19.604	ug/l #	86
59) 2-Hexanone	9.445	43	647	0.205	ug/l	75
76) 1,2,3-Trichloropropane	11.079	75	84893	20.698	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	84893	59.594	ug/l #	5
89) n-Butylbenzene	12.335	91	2478	0.228	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	1702	0.445	ug/l	88
94) Hexachlorobutadiene	13.725	225	2977	1.934	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	1548	0.418	ug/l	93

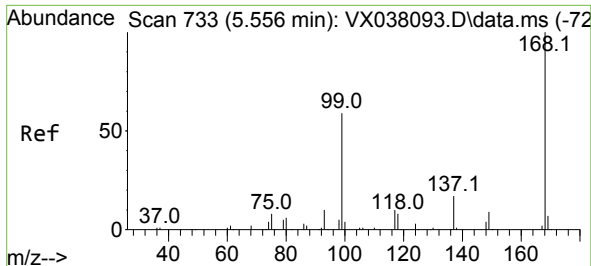
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102623\
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

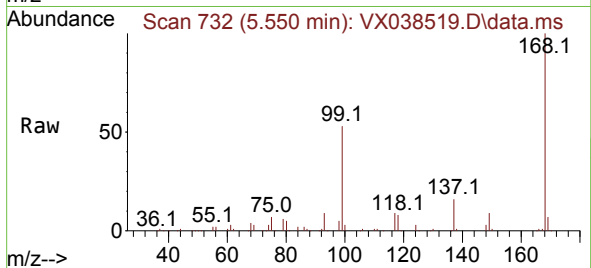
Quant Time: Oct 27 05:17:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration



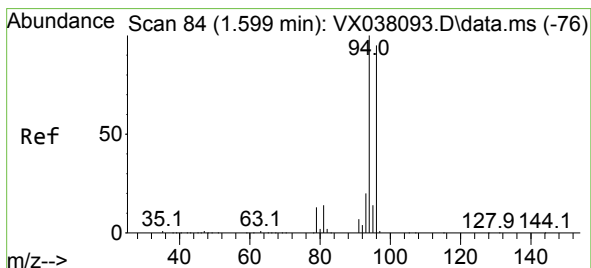
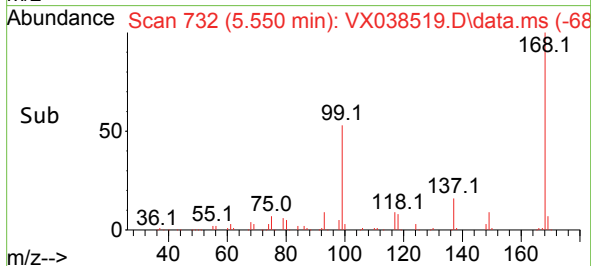
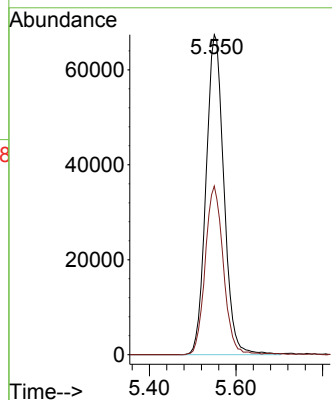


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038519.D
Acq: 26 Oct 2023 15:40

Instrument :
MSVOA_X
ClientSampleId :

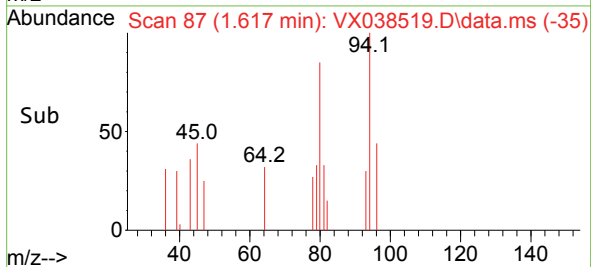
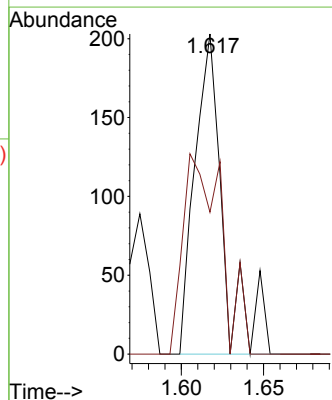
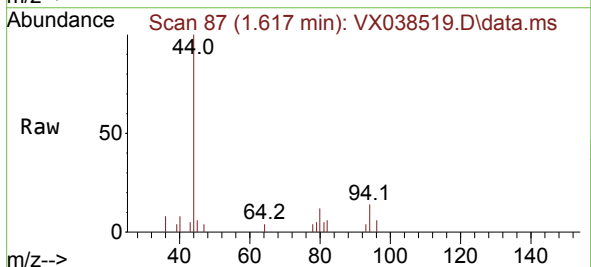


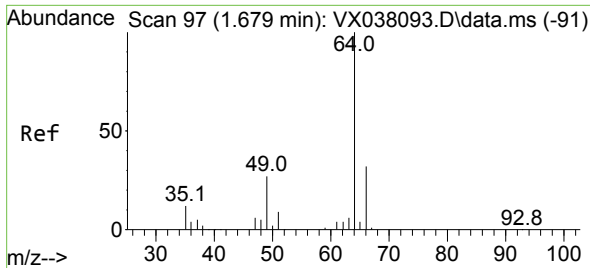
Tgt Ion:168 Resp: 193172
Ion Ratio Lower Upper
168 100
99 52.7 56.6 85.0#



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX038519.D
Acq: 26 Oct 2023 15:40

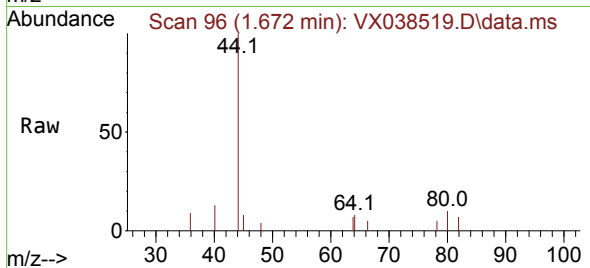
Tgt Ion: 94 Resp: 245
Ion Ratio Lower Upper
94 100
96 44.3 74.6 111.8#



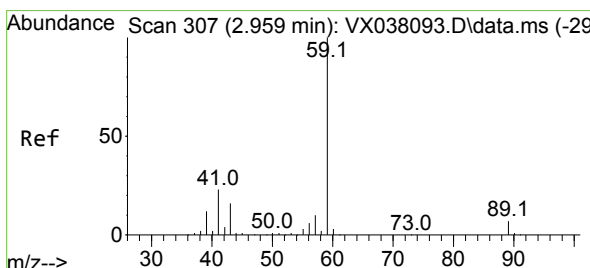
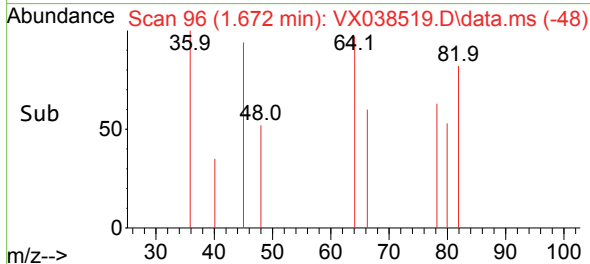
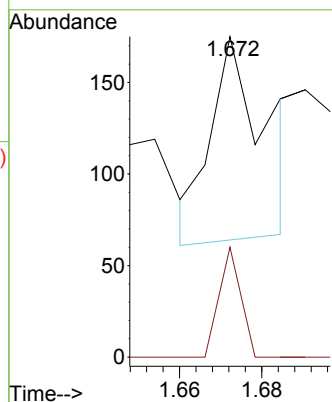


#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX038519.D
Acq: 26 Oct 2023 15:40

Instrument :
MSVOA_X
ClientSampleId :

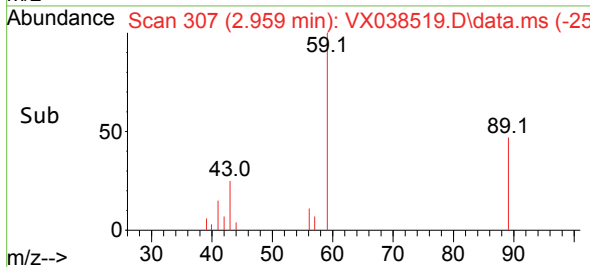
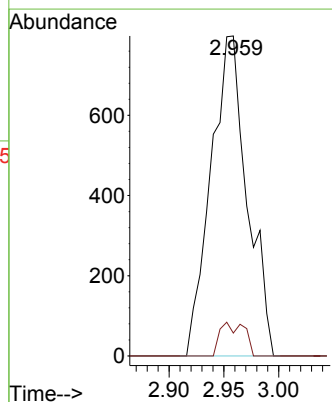
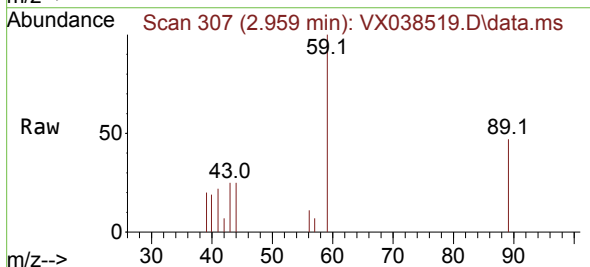


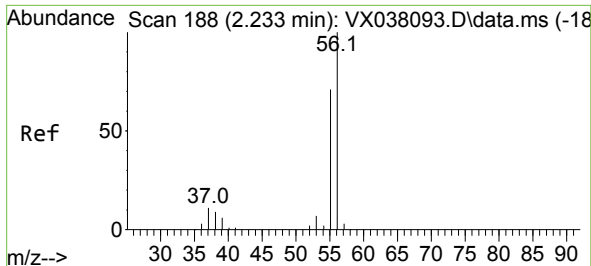
Tgt Ion: 64 Resp: 103
Ion Ratio Lower Upper
64 100
66 67.4 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.000 min
Lab File: VX038519.D
Acq: 26 Oct 2023 15:40

Tgt Ion: 59 Resp: 1842
Ion Ratio Lower Upper
59 100
57 7.1 6.0 9.0





#13

Acrolein

Concen: 0.525 ug/l

RT: 2.239 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX038519.D

Acq: 26 Oct 2023 15:40

Instrument :

MSVOA_X

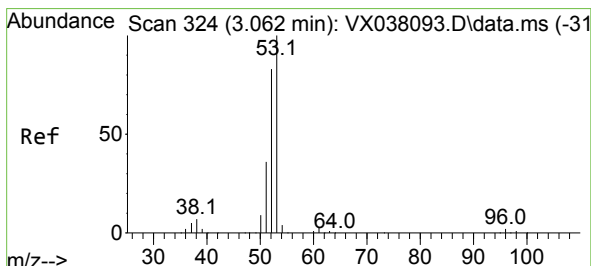
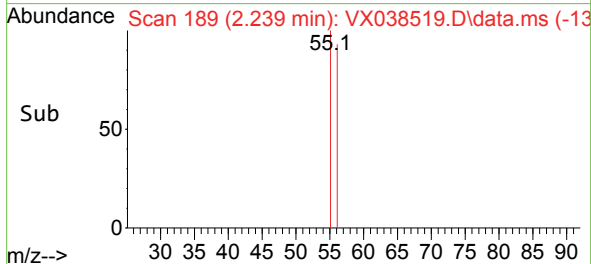
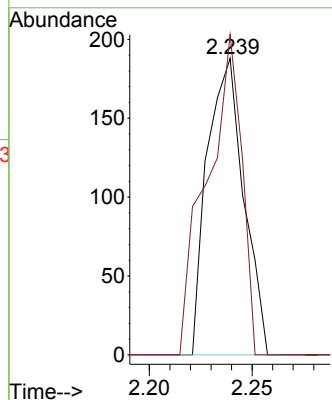
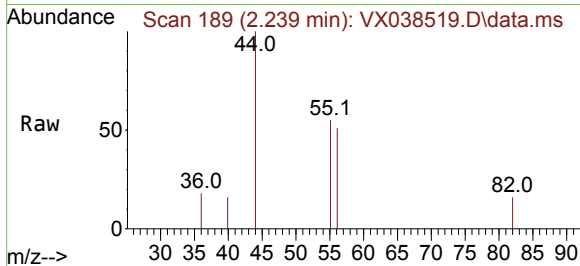
ClientSampleId :

Tgt Ion: 56 Resp: 232

Ion Ratio Lower Upper

56 100

55 103.0 57.1 85.7#



#15

Acrylonitrile

Concen: 0.505 ug/l

RT: 3.068 min Scan# 325

Delta R.T. 0.006 min

Lab File: VX038519.D

Acq: 26 Oct 2023 15:40

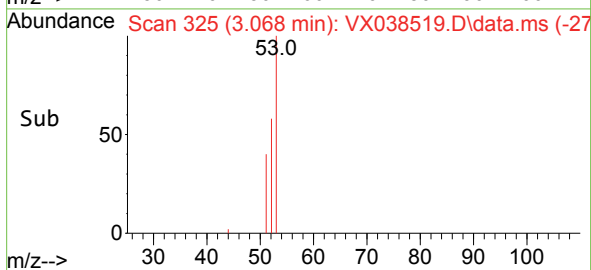
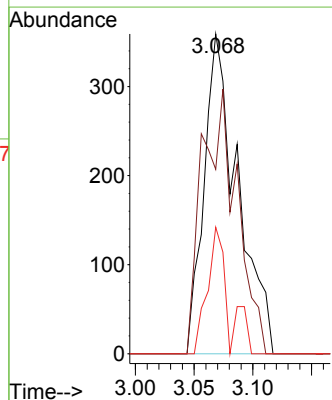
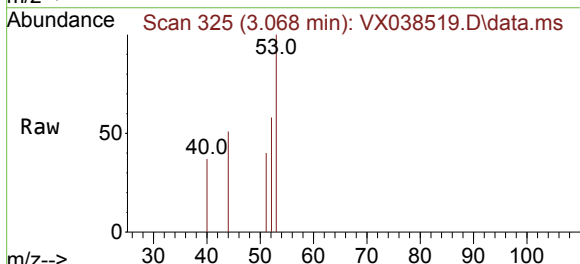
Tgt Ion: 53 Resp: 714

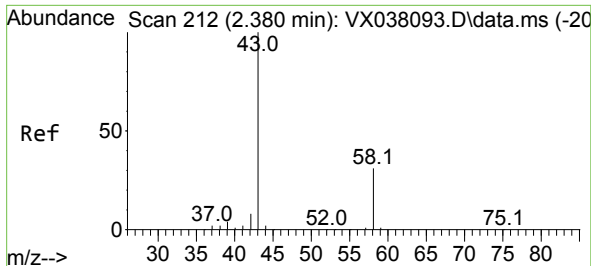
Ion Ratio Lower Upper

53 100

52 40.5 66.0 99.0#

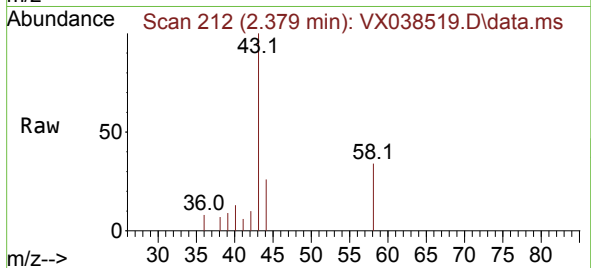
51 24.8 29.8 44.6#



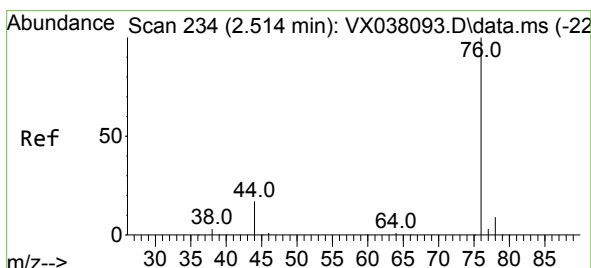
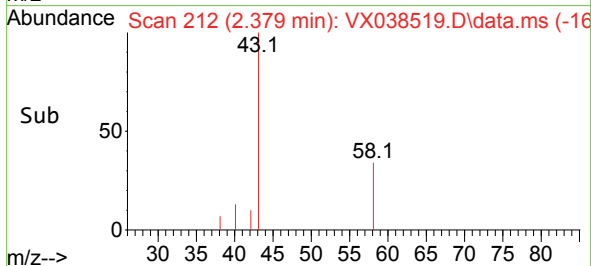
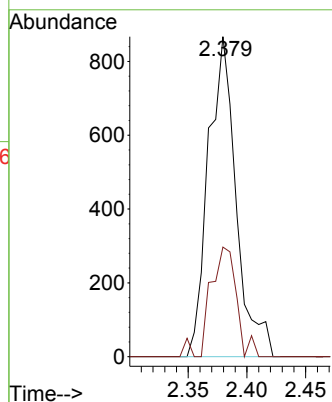


#16
Acetone
Concen: 1.103 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX038519.D
Acq: 26 Oct 2023 15:40

Instrument :
MSVOA_X
ClientSampleId :

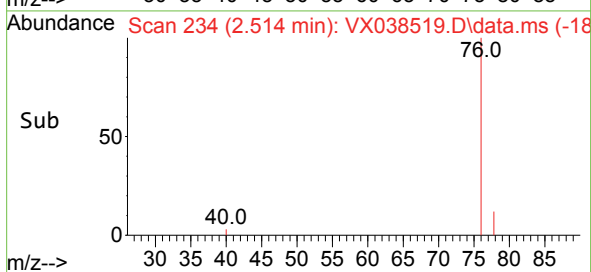
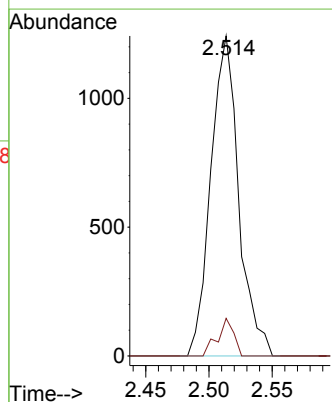
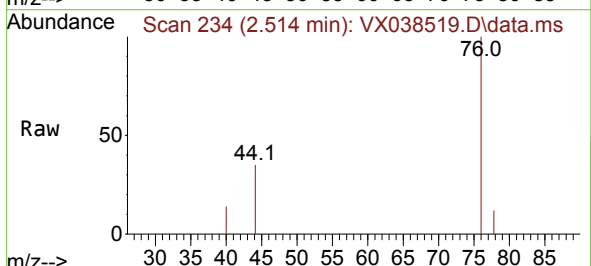


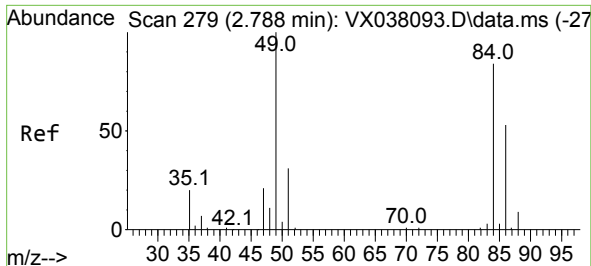
Tgt Ion: 43 Resp: 1430
Ion Ratio Lower Upper
43 100
58 34.3 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.374 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX038519.D
Acq: 26 Oct 2023 15:40

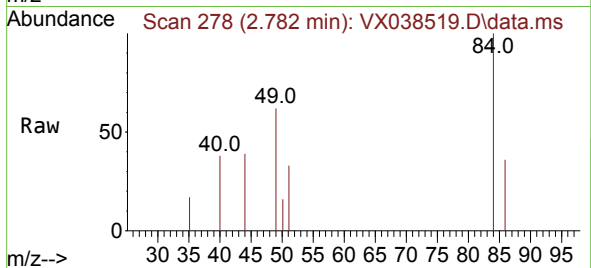
Tgt Ion: 76 Resp: 1903
Ion Ratio Lower Upper
76 100
78 11.8 7.0 10.6#



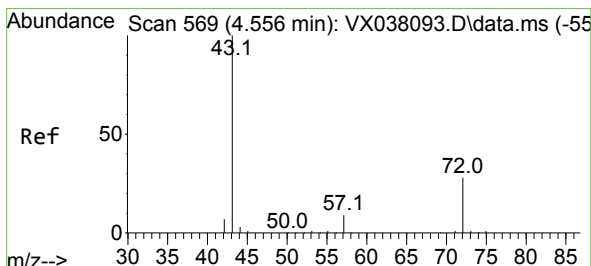
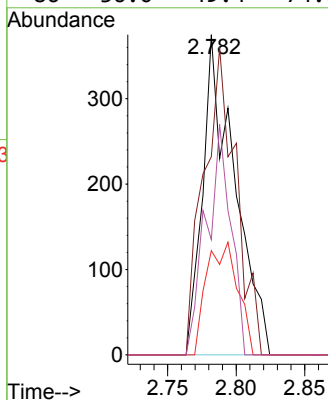
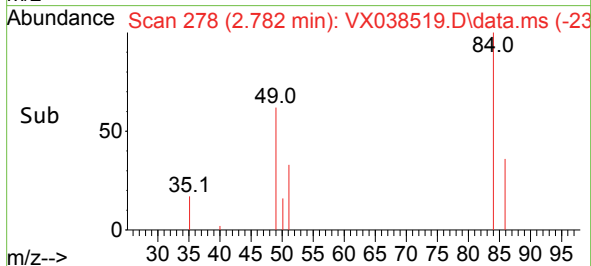


#20
Methylene Chloride
Concen: 0.248 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX038519.D
Acq: 26 Oct 2023 15:40

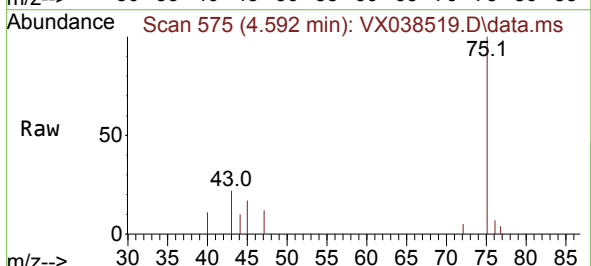
Instrument :
MSVOA_X
ClientSampleId :



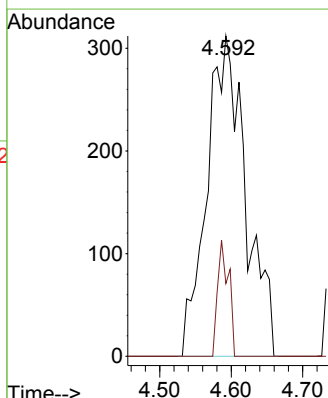
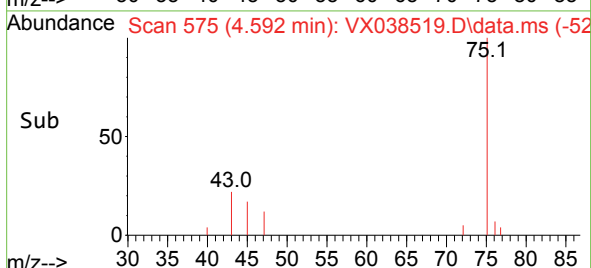
Tgt Ion: 84 Resp: 604
Ion Ratio Lower Upper
84 100
49 61.9 103.6 155.4#
51 32.5 33.8 50.6#
86 36.0 49.4 74.0#

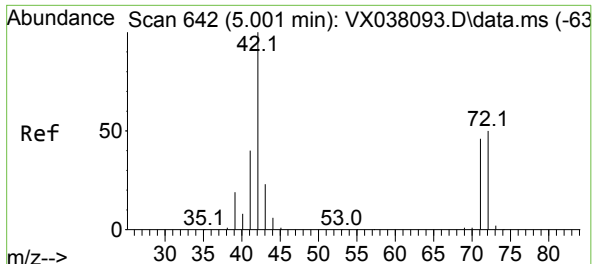


#25
2-Butanone
Concen: 0.564 ug/l
RT: 4.592 min Scan# 575
Delta R.T. 0.036 min
Lab File: VX038519.D
Acq: 26 Oct 2023 15:40



Tgt Ion: 43 Resp: 1179
Ion Ratio Lower Upper
43 100
72 22.8 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.253 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.024 min

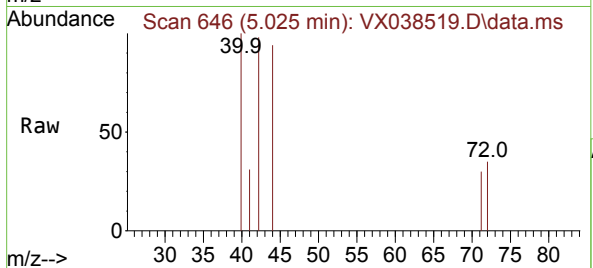
Lab File: VX038519.D

Acq: 26 Oct 2023 15:40

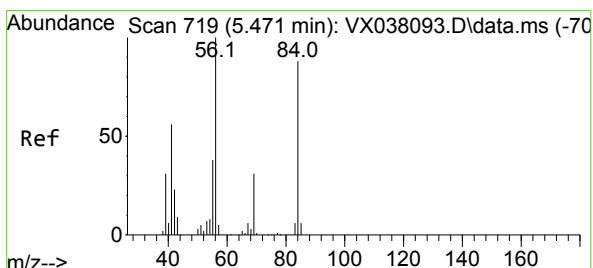
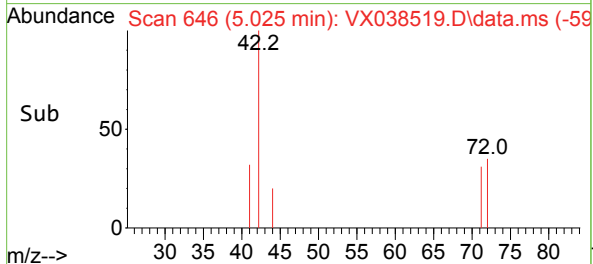
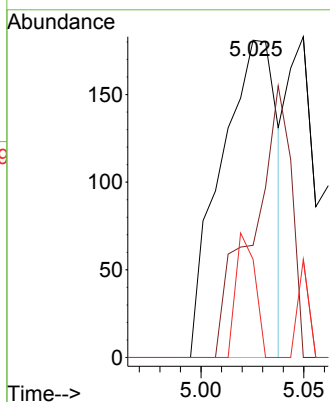
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	345
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.4#
71	13.3	32.2	48.2#



#31

Cyclohexane

Concen: 1.093 ug/l

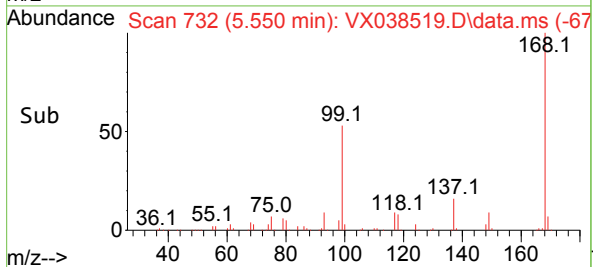
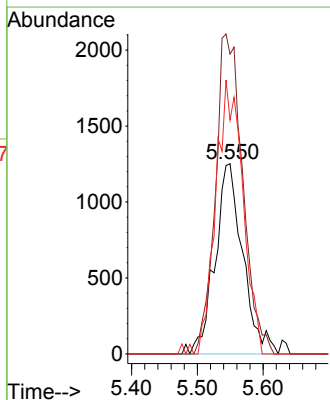
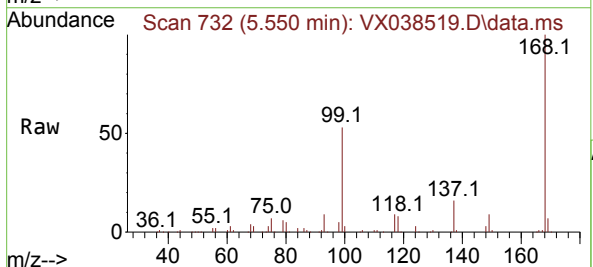
RT: 5.550 min Scan# 732

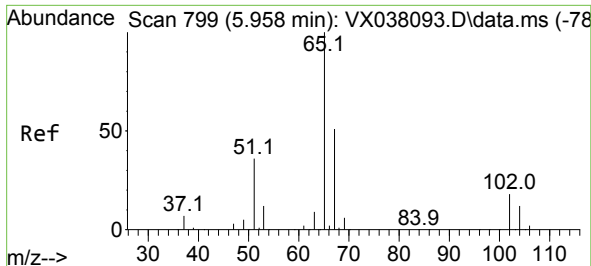
Delta R.T. 0.079 min

Lab File: VX038519.D

Acq: 26 Oct 2023 15:40

Tgt Ion:	56	Resp:	3678
Ion	Ratio	Lower	Upper
56	100		
69	157.6	23.4	35.2#
84	122.8	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 39.659 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038519.D

Acq: 26 Oct 2023 15:40

Instrument :

MSVOA_X

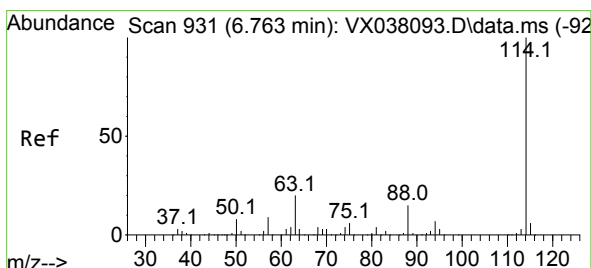
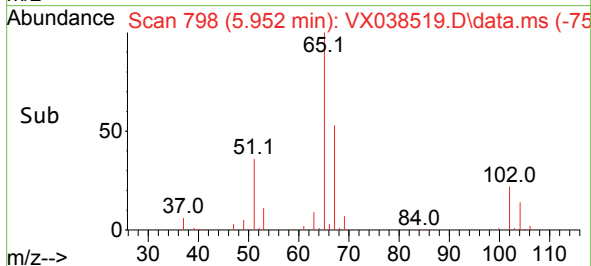
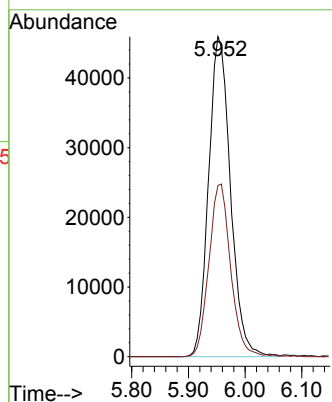
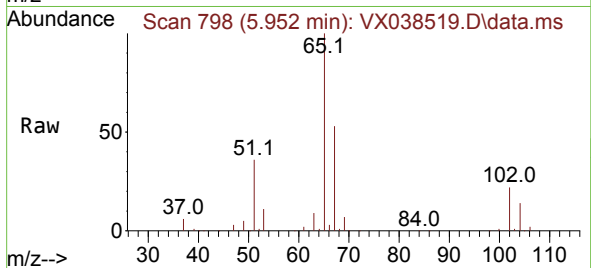
ClientSampleId :

Tgt Ion: 65 Resp: 123223

Ion Ratio Lower Upper

65 100

67 53.6 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX038519.D

Acq: 26 Oct 2023 15:40

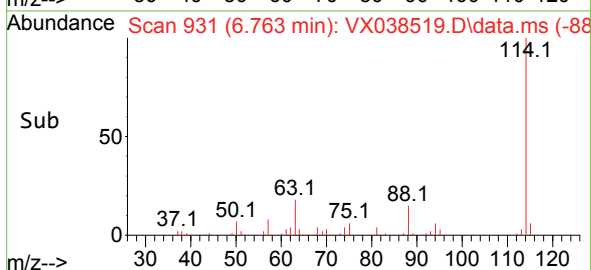
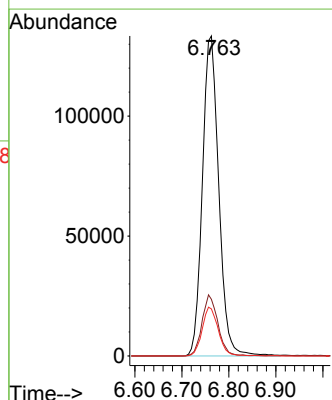
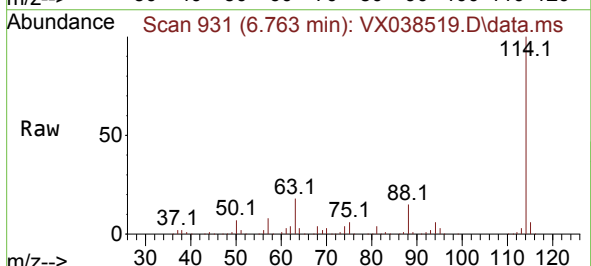
Tgt Ion:114 Resp: 322444

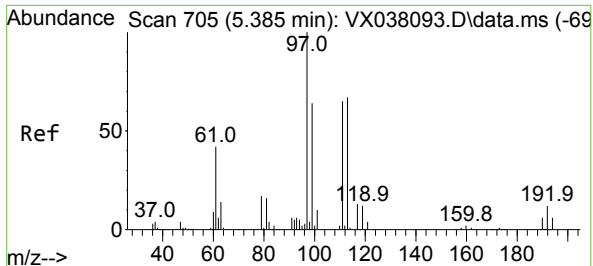
Ion Ratio Lower Upper

114 100

63 17.7 0.0 45.0

88 14.7 0.0 36.6

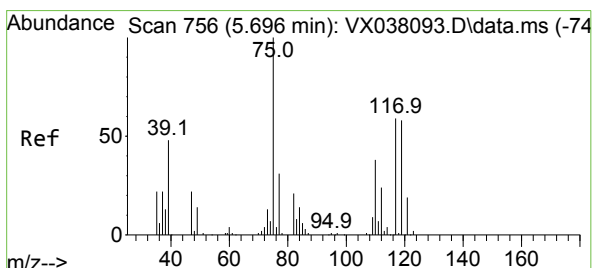
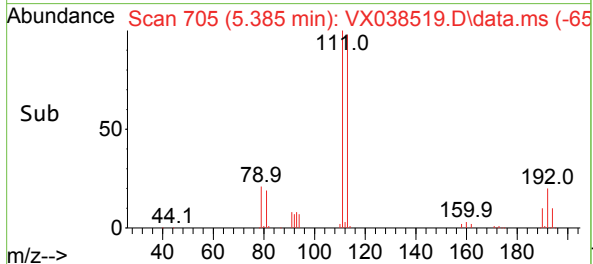
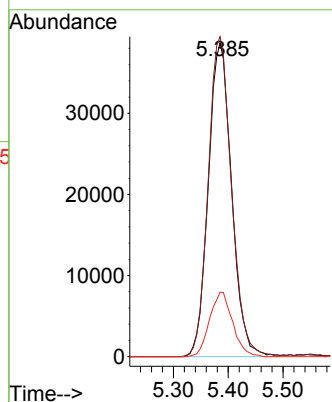
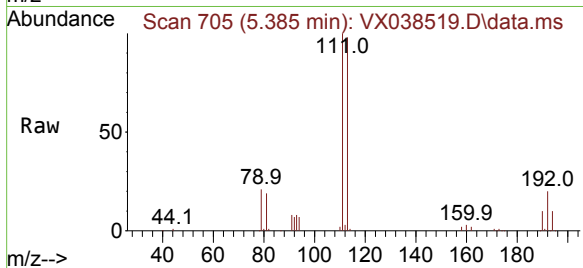




#35
Dibromofluoromethane
Concen: 49.084 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038519.D
Acq: 26 Oct 2023 15:40

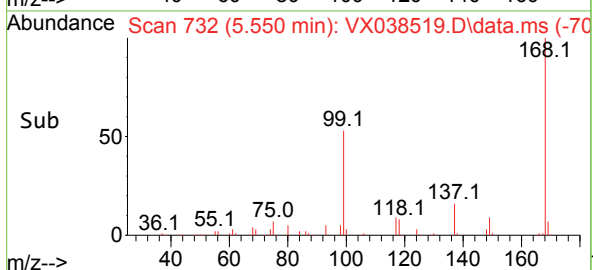
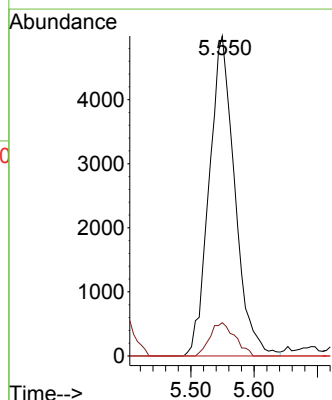
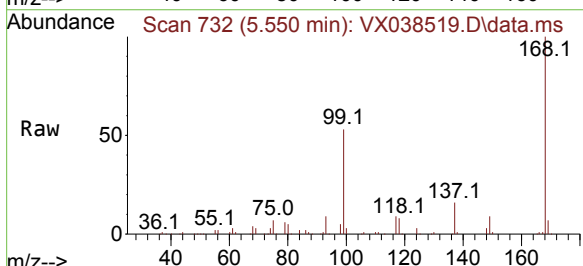
Instrument :
MSVOA_X
ClientSampleId :

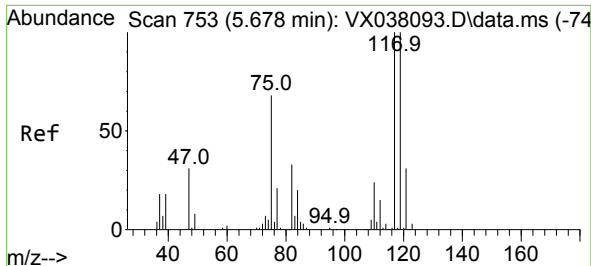
Tgt Ion:113 Resp: 114043
Ion Ratio Lower Upper
113 100
111 102.0 82.9 124.3
192 20.3 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.384 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038519.D
Acq: 26 Oct 2023 15:40

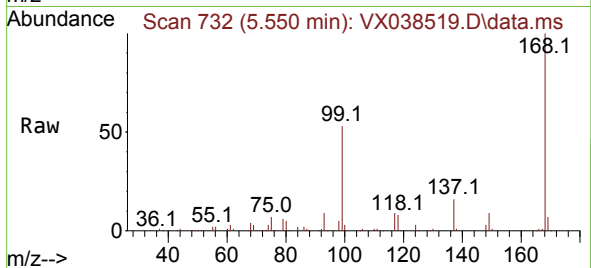
Tgt Ion: 75 Resp: 14045
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.0 24.7 37.1#



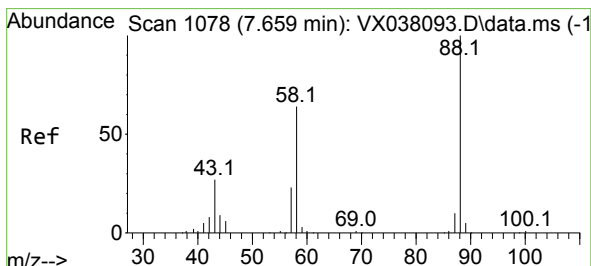
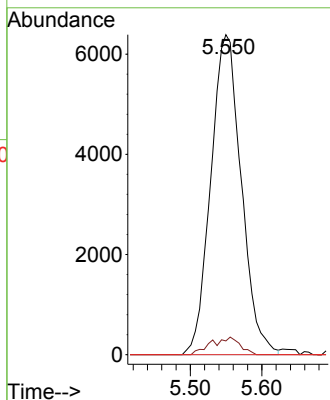
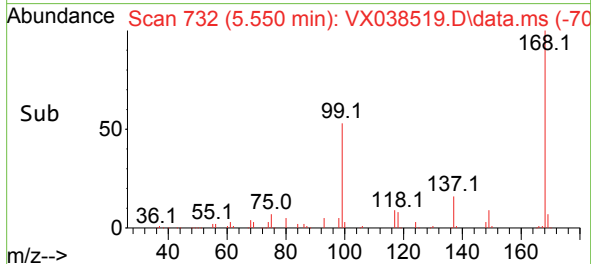


#38
Carbon Tetrachloride
Concen: 5.999 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038519.D
Acq: 26 Oct 2023 15:40

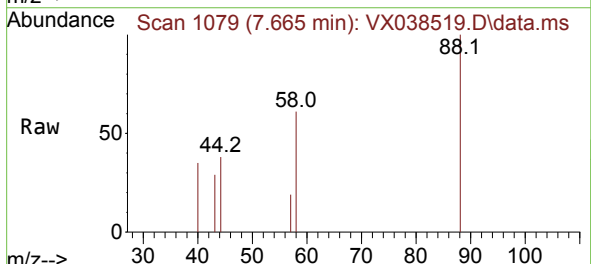
Instrument :
MSVOA_X
ClientSampleId :



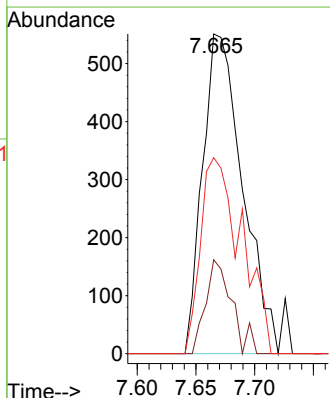
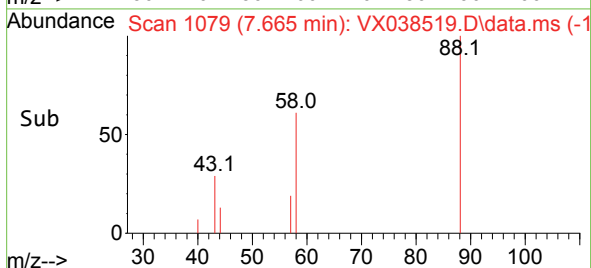
Tgt Ion:117 Resp: 18907
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#

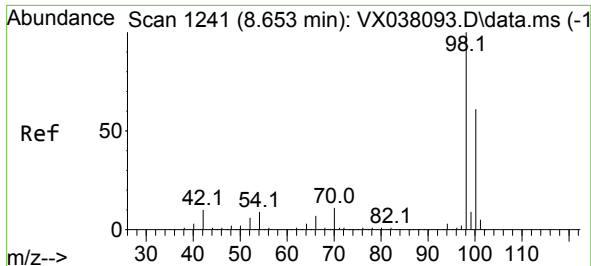


#49
1,4-Dioxane
Concen: 19.604 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX038519.D
Acq: 26 Oct 2023 15:40



Tgt Ion: 88 Resp: 1310
Ion Ratio Lower Upper
88 100
43 19.2 0.0 0.0#
58 62.7 60.1 90.1

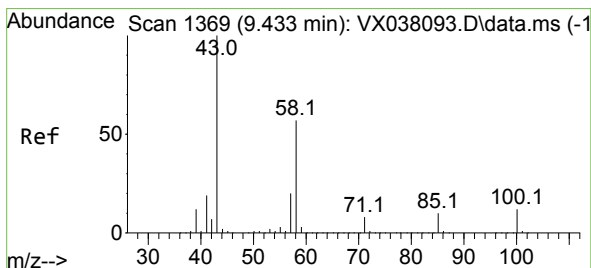
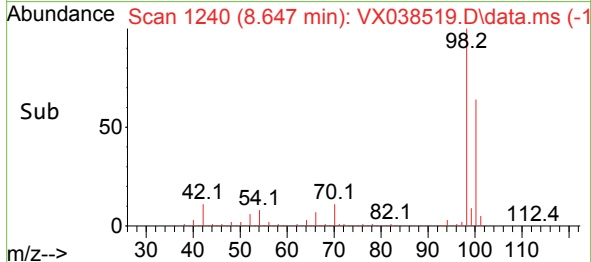
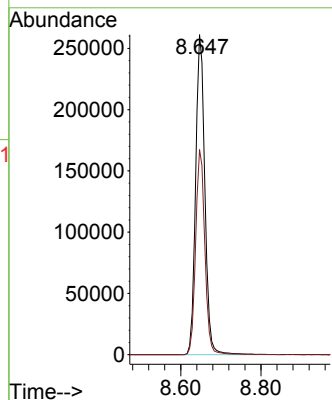
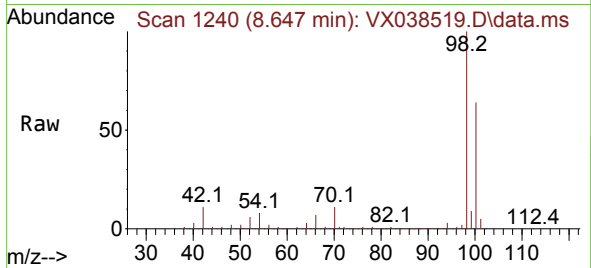




#50
Toluene-d8
Concen: 46.895 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038519.D
Acq: 26 Oct 2023 15:40

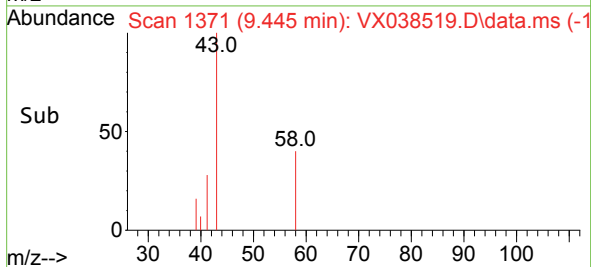
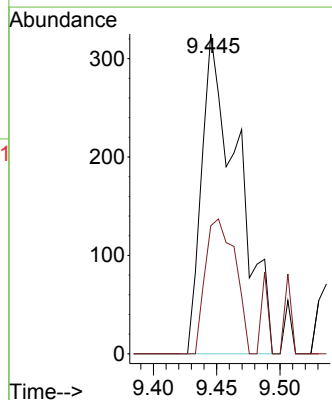
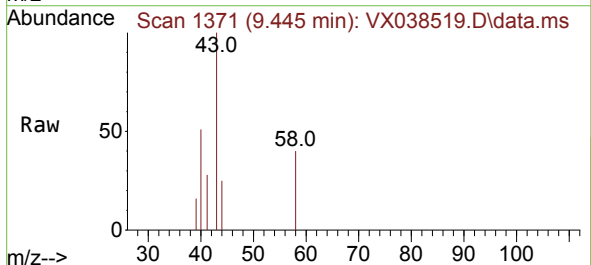
Instrument :
MSVOA_X
ClientSampleId :

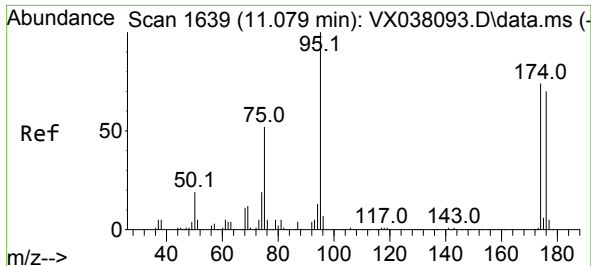
Tgt Ion: 98 Resp: 416354
Ion Ratio Lower Upper
98 100
100 64.1 53.1 79.7



#59
2-Hexanone
Concen: 0.205 ug/l
RT: 9.445 min Scan# 1371
Delta R.T. 0.012 min
Lab File: VX038519.D
Acq: 26 Oct 2023 15:40

Tgt Ion: 43 Resp: 647
Ion Ratio Lower Upper
43 100
58 34.9 26.2 78.5

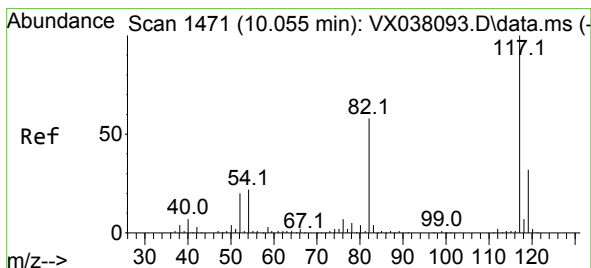
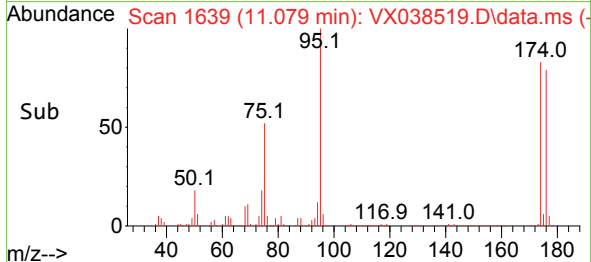
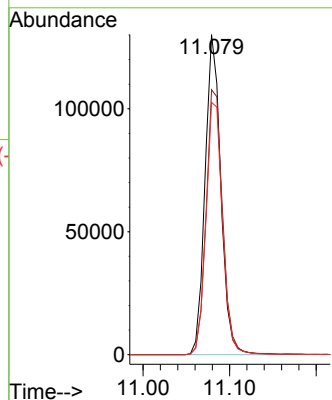
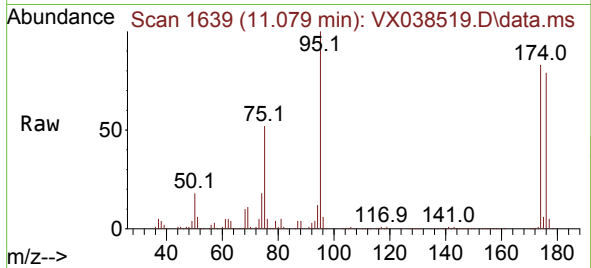




#62
4-Bromofluorobenzene
Concen: 48.742 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038519.D
Acq: 26 Oct 2023 15:40

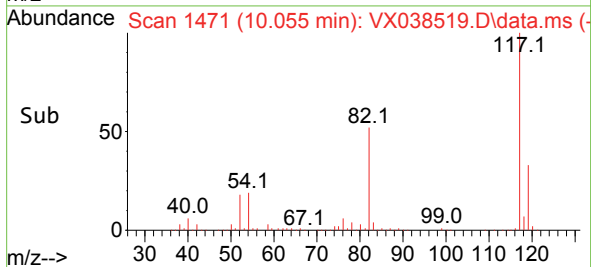
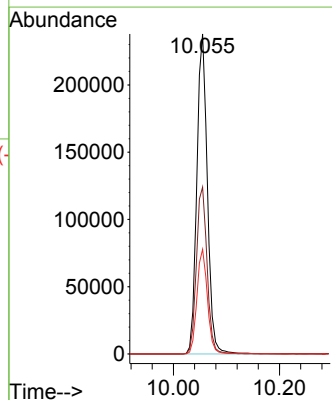
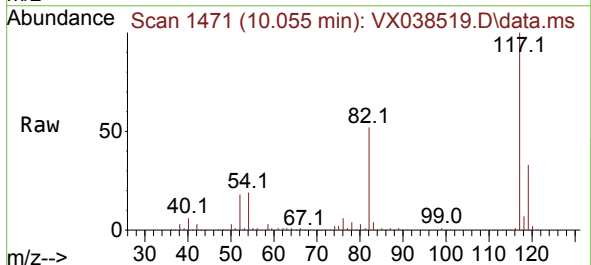
Instrument :
MSVOA_X
ClientSampleId :

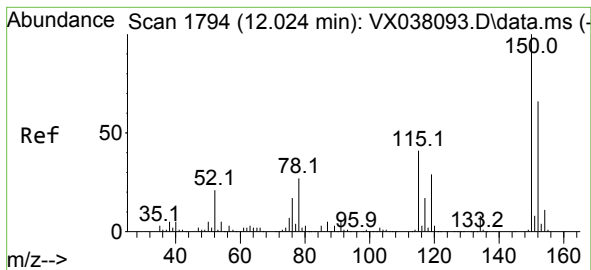
Tgt Ion: 95 Resp: 164060
Ion Ratio Lower Upper
95 100
174 87.4 0.0 135.6
176 83.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038519.D
Acq: 26 Oct 2023 15:40

Tgt Ion: 117 Resp: 327920
Ion Ratio Lower Upper
117 100
82 52.2 46.2 69.4
119 32.7 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX038519.D

Acq: 26 Oct 2023 15:40

Instrument :

MSVOA_X

ClientSampleId :

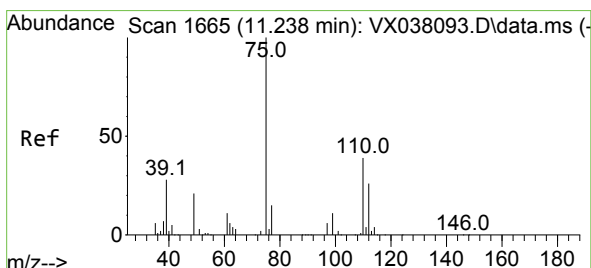
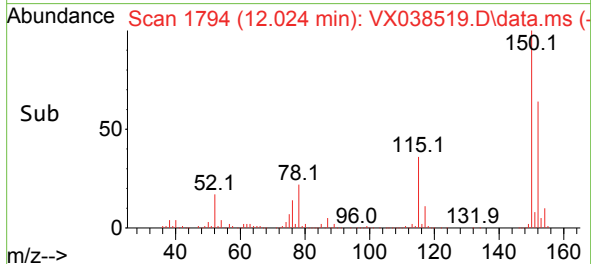
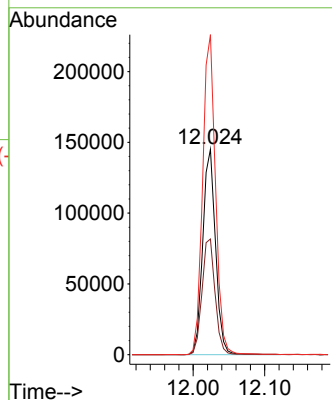
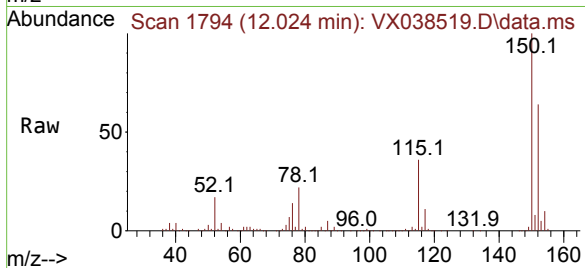
Tgt Ion:152 Resp: 180419

Ion Ratio Lower Upper

152 100

115 57.9 43.3 129.9

150 156.5 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 20.698 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038519.D

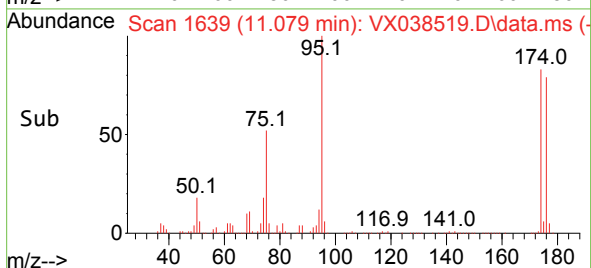
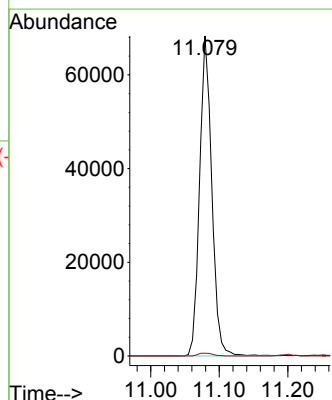
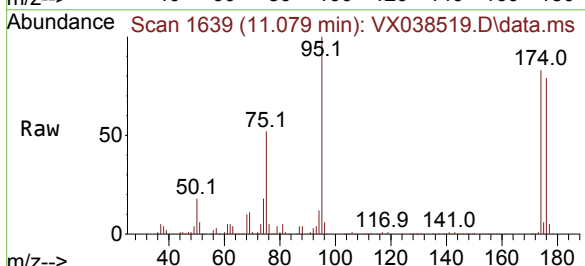
Acq: 26 Oct 2023 15:40

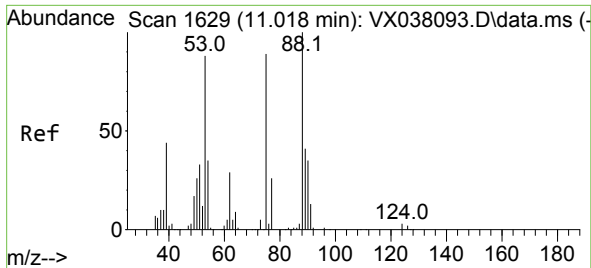
Tgt Ion: 75 Resp: 84893

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#

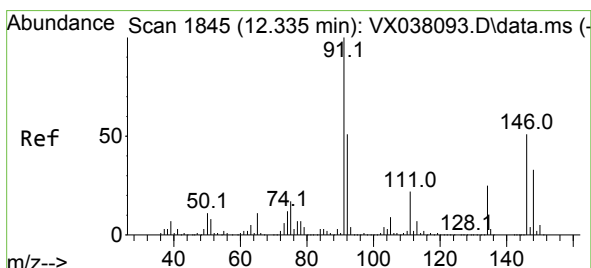
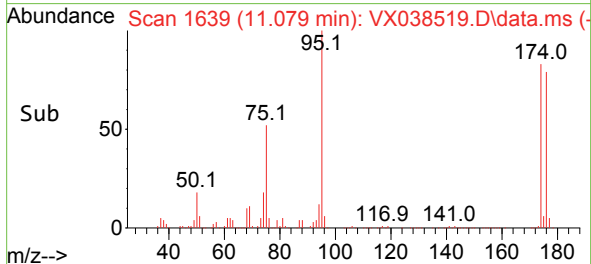
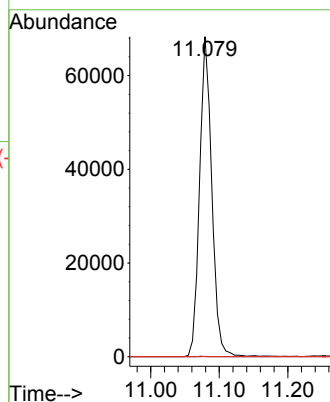
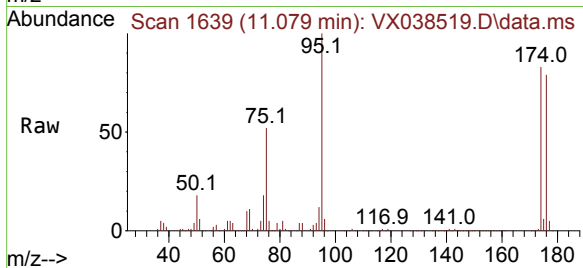




#81
trans-1,4-Dichloro-2-butene
Concen: 59.594 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038519.D
Acq: 26 Oct 2023 15:40

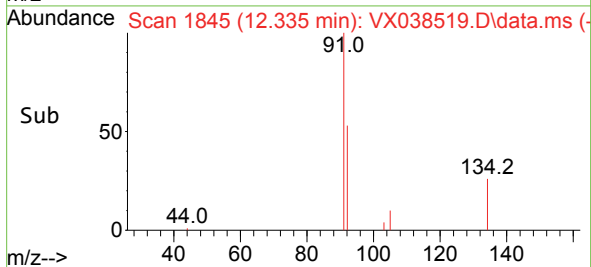
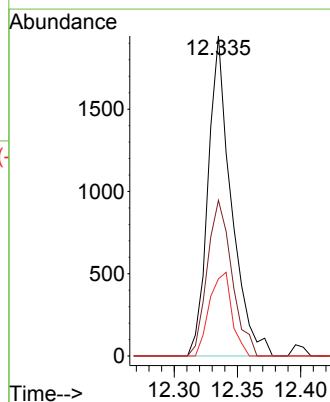
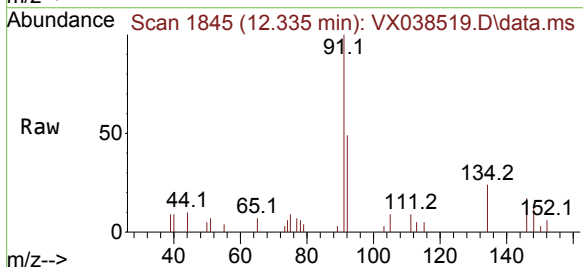
Instrument :
MSVOA_X
ClientSampleId :

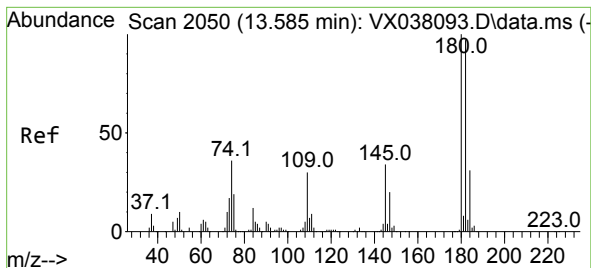
Tgt Ion: 75 Resp: 84893
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#



#89
n-Butylbenzene
Concen: 0.228 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX038519.D
Acq: 26 Oct 2023 15:40

Tgt Ion: 91 Resp: 2478
Ion Ratio Lower Upper
91 100
92 51.9 27.4 82.0
134 25.3 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.445 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX038519.D

Acq: 26 Oct 2023 15:40

Instrument :

MSVOA_X

ClientSampleId :

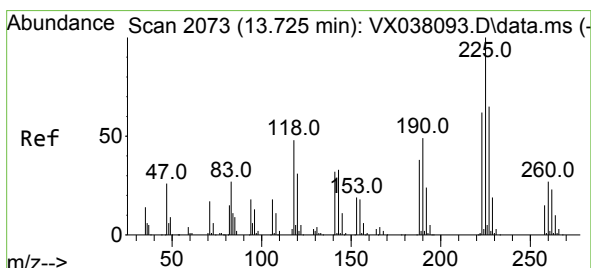
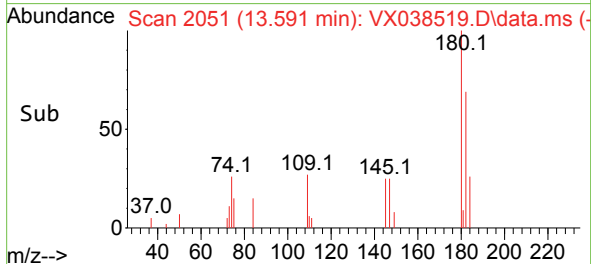
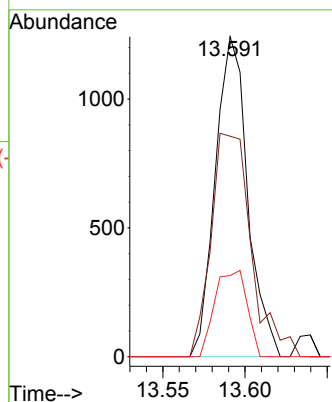
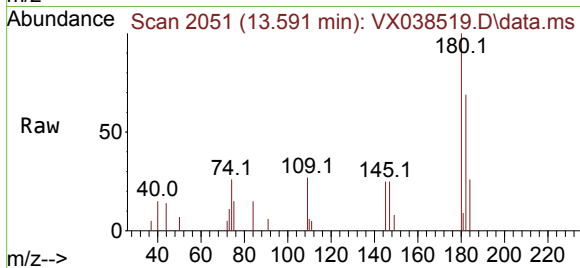
Tgt Ion:180 Resp: 1702

Ion Ratio Lower Upper

180 100

182 86.4 48.3 144.8

145 26.7 18.0 54.0



#94

Hexachlorobutadiene

Concen: 1.934 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX038519.D

Acq: 26 Oct 2023 15:40

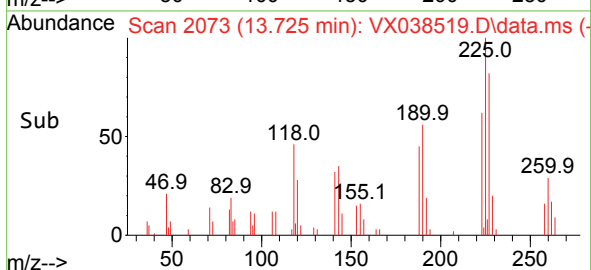
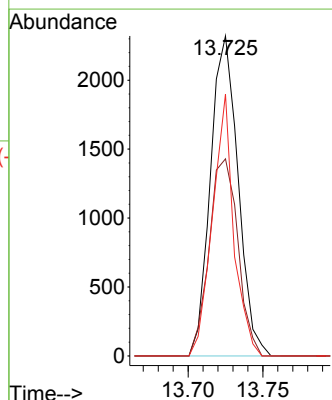
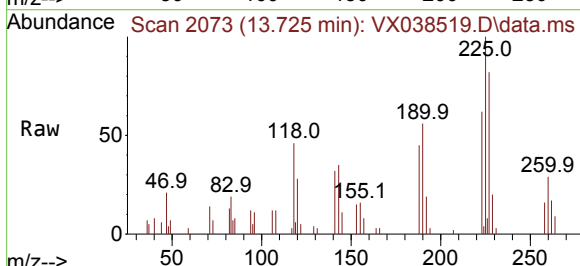
Tgt Ion:225 Resp: 2977

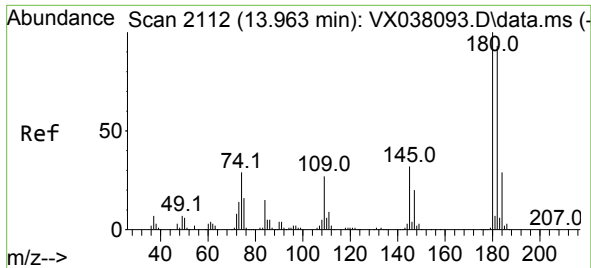
Ion Ratio Lower Upper

225 100

223 64.4 31.1 93.2

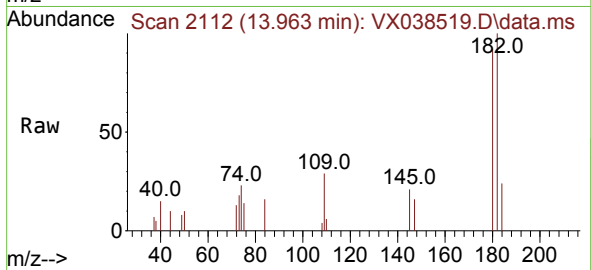
227 63.2 32.5 97.5





#96
 1,2,3-Trichlorobenzene
 Concen: 0.418 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX038519.D
 Acq: 26 Oct 2023 15:40

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	1548
Ion	Ratio	Lower	Upper
180	100		
182	95.7	46.9	140.6
145	24.5	17.8	53.5

