

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102523\
 Data File : VX038475.D
 Acq On : 25 Oct 2023 13:24
 Operator : JC/MD
 Sample : 05007-13RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 26 04:03:52 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	163182	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	285388	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	292849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	162192	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	104970	39.993	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	79.980%
35) Dibromofluoromethane	5.385	113	94783	46.092	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.180%
50) Toluene-d8	8.647	98	344481	43.838	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	87.680%#
62) 4-Bromofluorobenzene	11.079	95	140787	47.259	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.520%

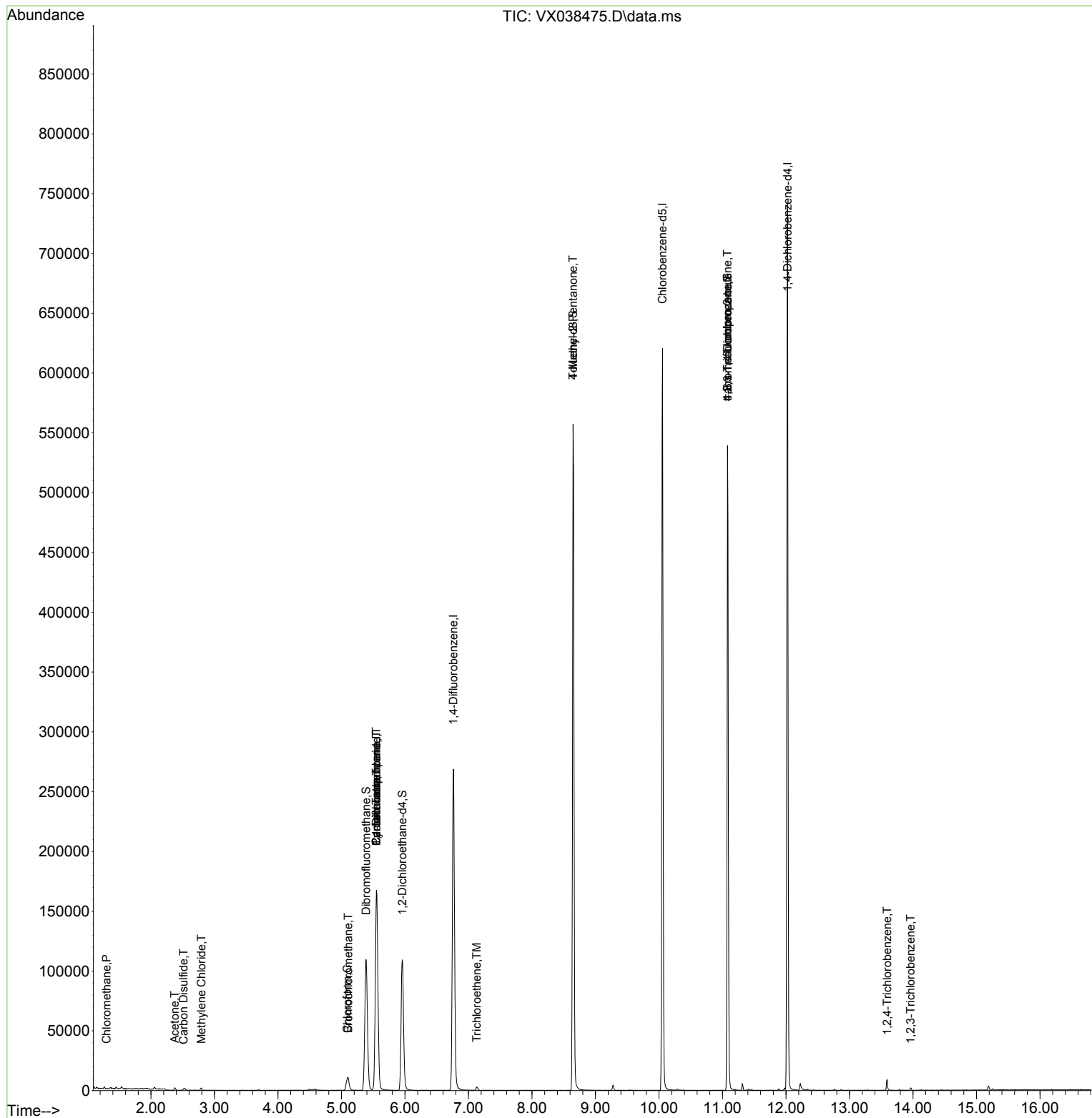
Target Compounds					Qvalue
3) Chloromethane	1.301	50	495	0.308 ug/l	# 58
5) Bromomethane	1.612	94	30	Below Cal	# 3
6) Chloroethane	1.691	64	84	Below Cal	# 4
16) Acetone	2.374	43	1868	1.705 ug/l	98
17) Carbon Disulfide	2.514	76	920	0.214 ug/l	# 94
20) Methylene Chloride	2.794	84	957	0.464 ug/l	# 53
28) Bromochloromethane	5.105	49	1090	0.711 ug/l	# 16
30) Chloroform	5.093	83	13783	3.711 ug/l	97
31) Cyclohexane	5.550	56	3323	1.169 ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	12201	4.303 ug/l	# 51
38) Carbon Tetrachloride	5.550	117	16547	5.932 ug/l	# 16
44) Trichloroethene	7.129	130	1170	0.564 ug/l	83
51) 4-Methyl-2-Pentanone	8.647	43	1405	0.405 ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	72465	19.653 ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	72465	56.790 ug/l	# 5
93) 1,2,4-Trichlorobenzene	13.591	180	2501	0.727 ug/l	91
96) 1,2,3-Trichlorobenzene	13.963	180	703	0.211 ug/l	84

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

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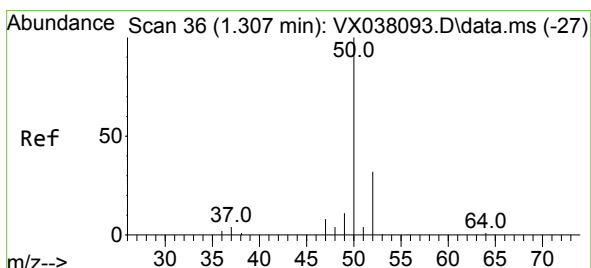
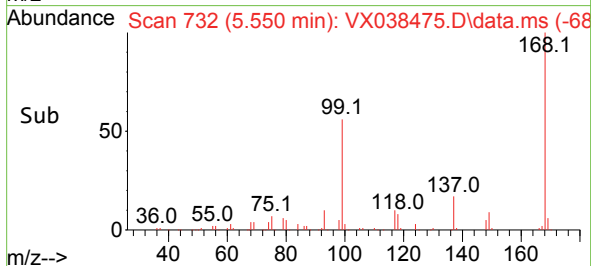
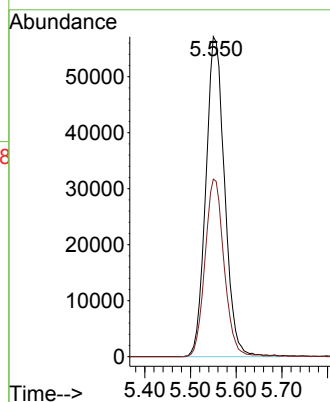
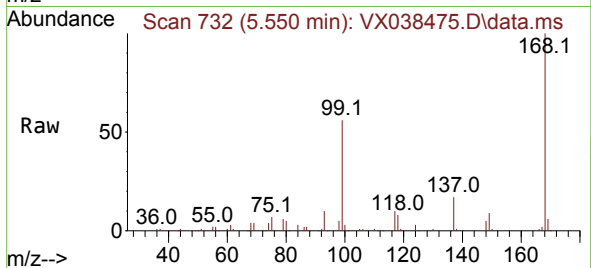




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038475.D
Acq: 25 Oct 2023 13:24

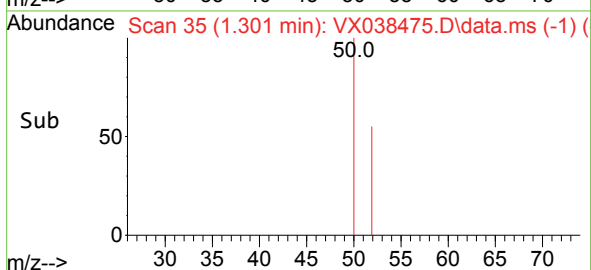
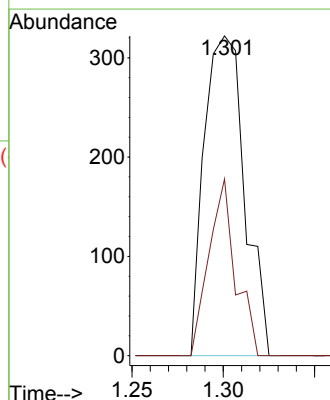
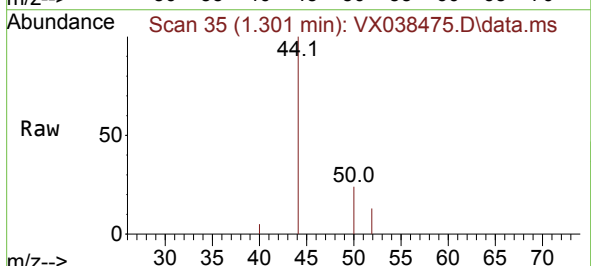
Instrument :
MSVOA_X
ClientSampleId :

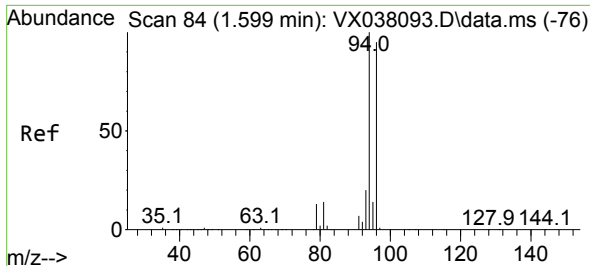
Tgt Ion:168 Resp: 163182
Ion Ratio Lower Upper
168 100
99 55.5 56.6 85.0#



#3
Chloromethane
Concen: 0.308 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX038475.D
Acq: 25 Oct 2023 13:24

Tgt Ion: 50 Resp: 495
Ion Ratio Lower Upper
50 100
52 55.3 25.5 38.3#

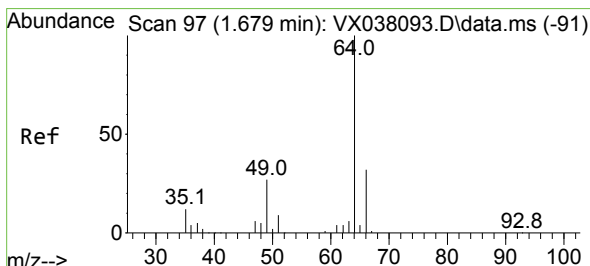
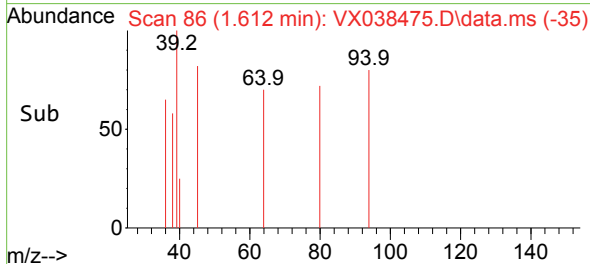
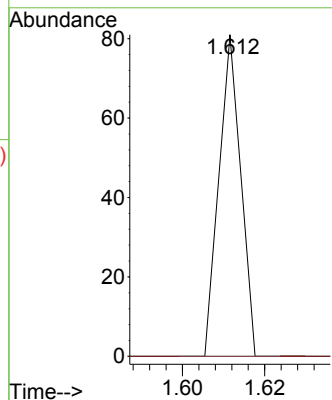
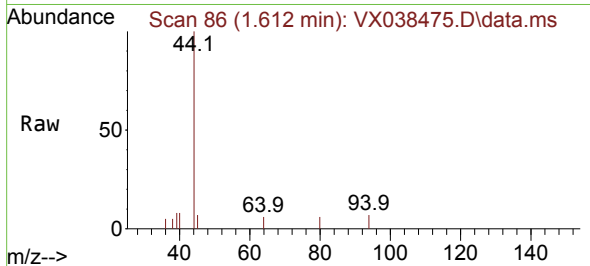




#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX038475.D
Acq: 25 Oct 2023 13:24

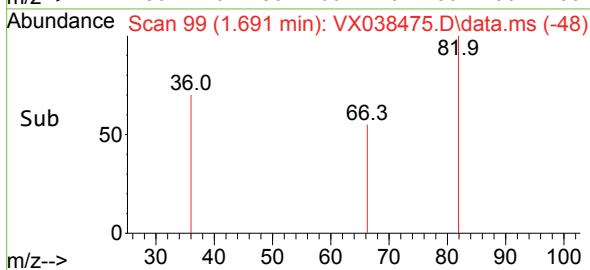
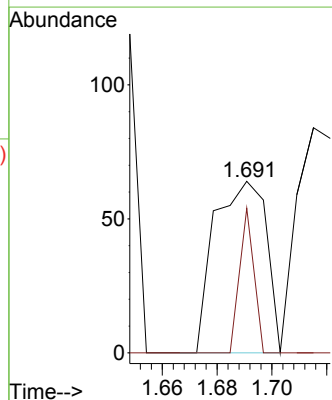
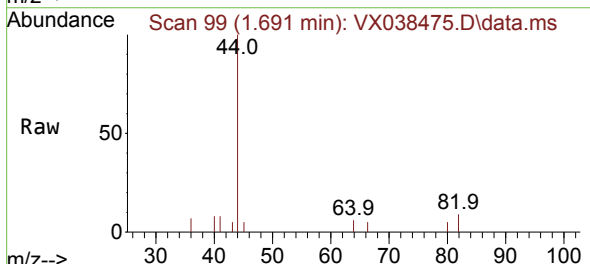
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 94 Resp: 30
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX038475.D
Acq: 25 Oct 2023 13:24

Tgt Ion: 64 Resp: 84
Ion Ratio Lower Upper
64 100
66 84.4 25.1 37.7#





#16

Acetone

Concen: 1.705 ug/l

RT: 2.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX038475.D

Acq: 25 Oct 2023 13:24

Instrument :

MSVOA_X

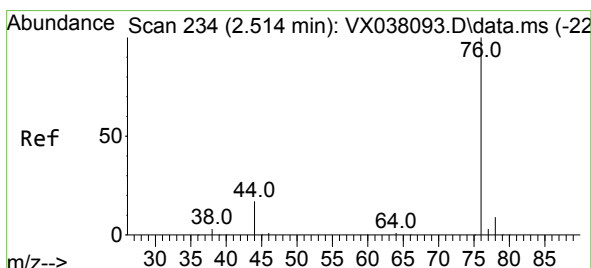
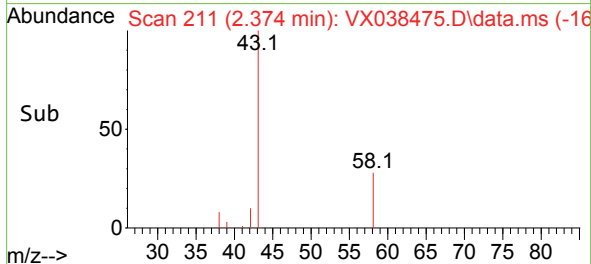
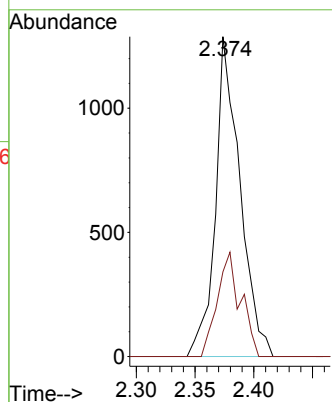
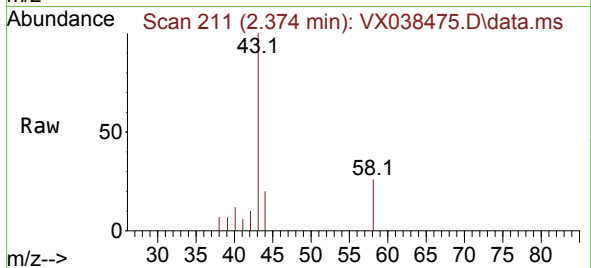
ClientSampleId :

Tgt Ion: 43 Resp: 1868

Ion Ratio Lower Upper

43 100

58 26.5 21.9 32.9



#17

Carbon Disulfide

Concen: 0.214 ug/l

RT: 2.514 min Scan# 234

Delta R.T. 0.006 min

Lab File: VX038475.D

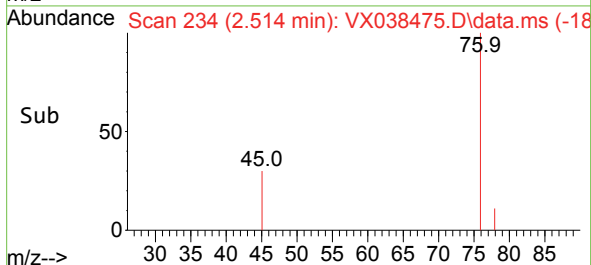
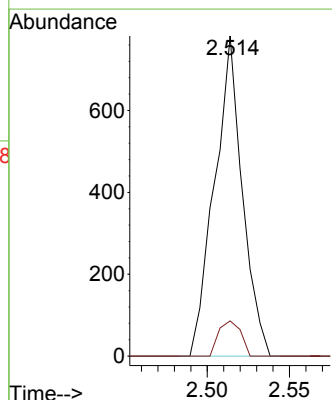
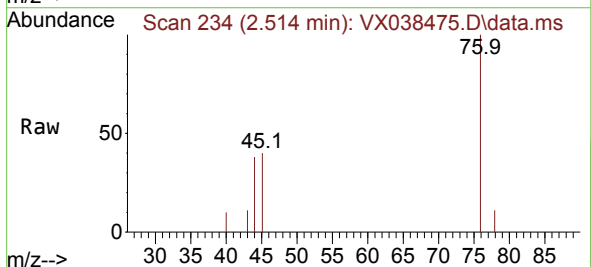
Acq: 25 Oct 2023 13:24

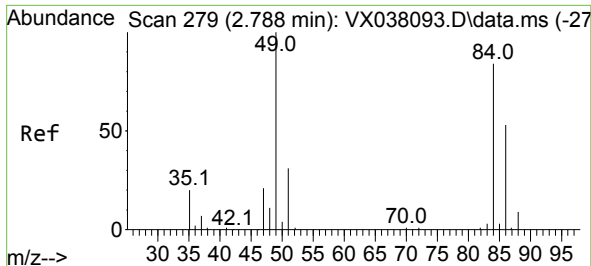
Tgt Ion: 76 Resp: 920

Ion Ratio Lower Upper

76 100

78 11.0 7.0 10.6#

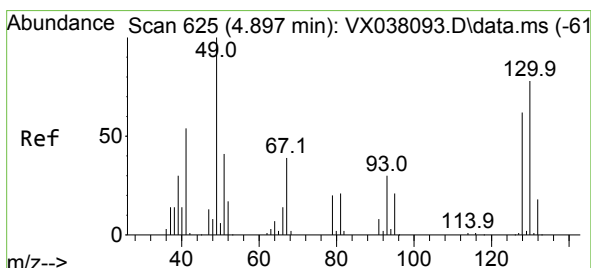
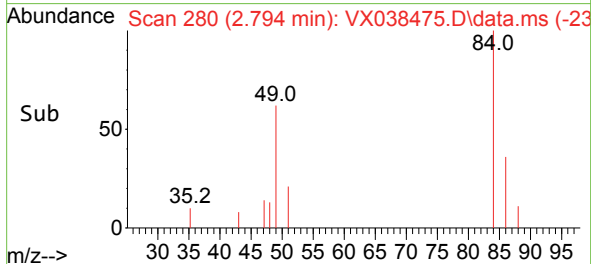
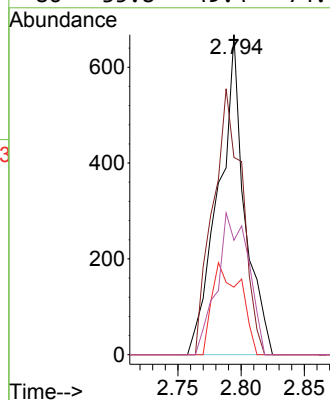
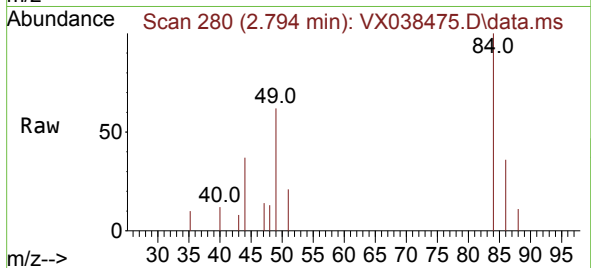




#20
Methylene Chloride
Concen: 0.464 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038475.D
Acq: 25 Oct 2023 13:24

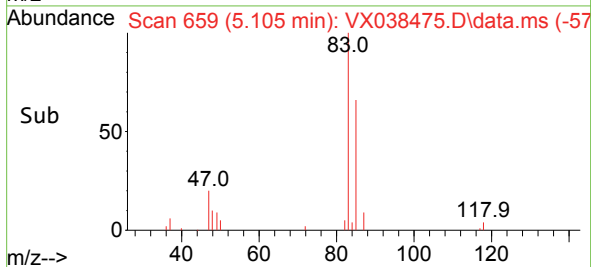
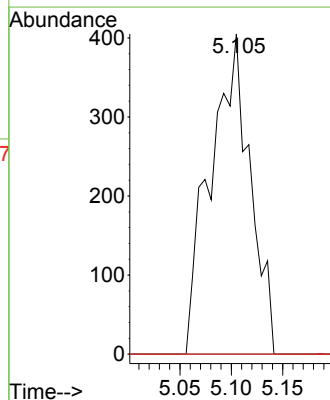
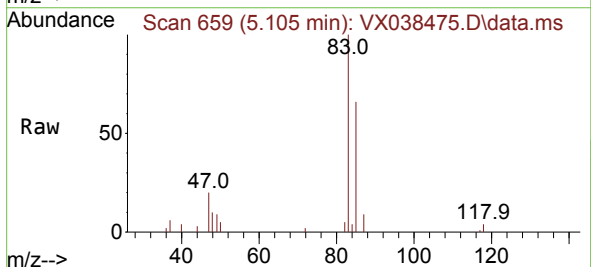
Instrument :
MSVOA_X
ClientSampleId :

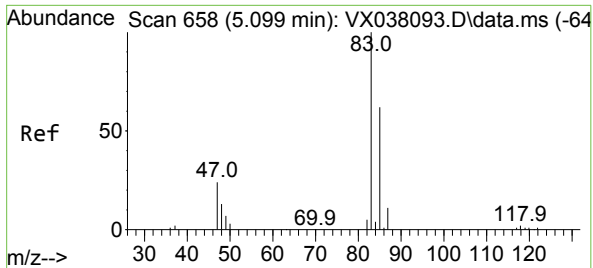
Tgt Ion: 84 Resp: 957
Ion Ratio Lower Upper
84 100
49 61.7 103.6 155.4#
51 21.1 33.8 50.6#
86 35.8 49.4 74.0#



#28
Bromochloromethane
Concen: 0.711 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.208 min
Lab File: VX038475.D
Acq: 25 Oct 2023 13:24

Tgt Ion: 49 Resp: 1090
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#





#30

Chloroform

Concen: 3.711 ug/l

RT: 5.093 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX038475.D

Acq: 25 Oct 2023 13:24

Instrument :

MSVOA_X

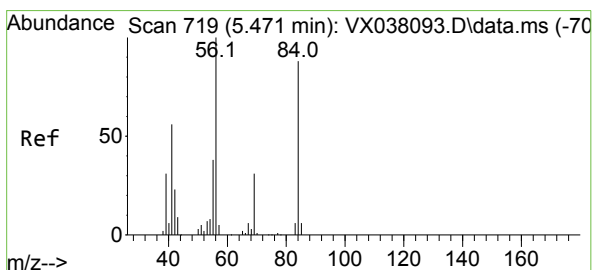
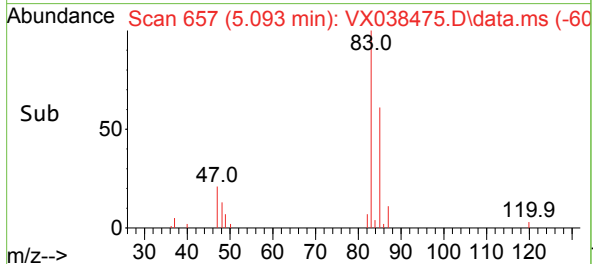
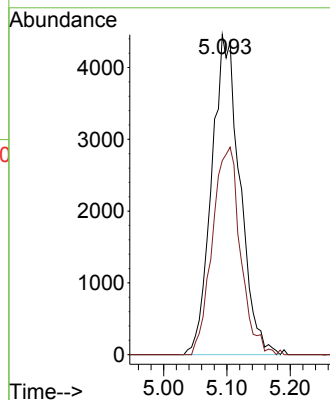
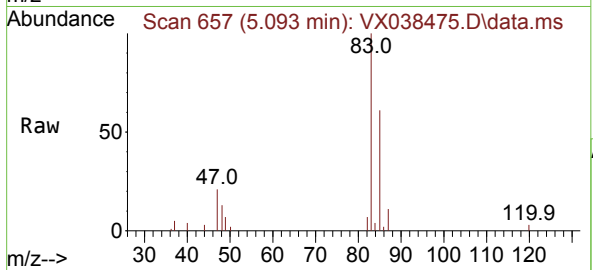
ClientSampleId :

Tgt Ion: 83 Resp: 13783

Ion Ratio Lower Upper

83 100

85 60.7 50.3 75.5



#31

Cyclohexane

Concen: 1.169 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX038475.D

Acq: 25 Oct 2023 13:24

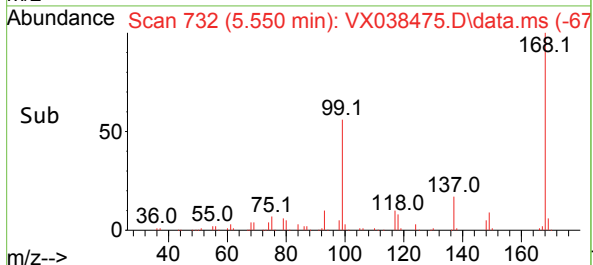
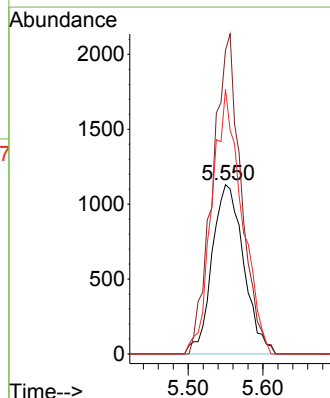
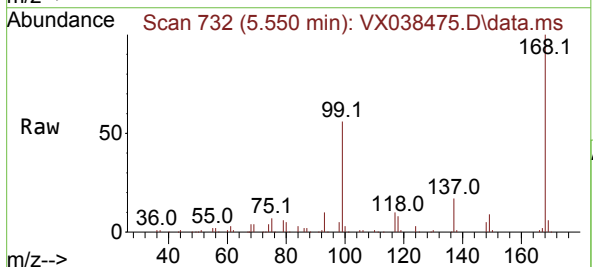
Tgt Ion: 56 Resp: 3323

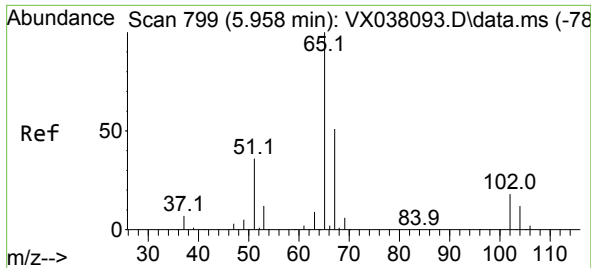
Ion Ratio Lower Upper

56 100

69 179.3 23.4 35.2#

84 156.2 65.9 98.9#

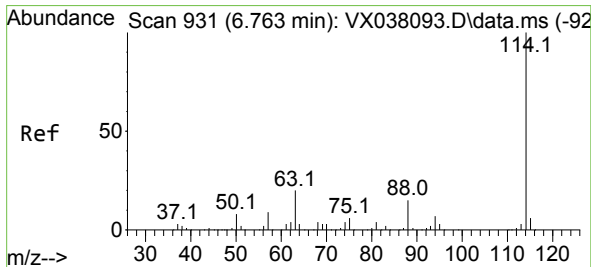
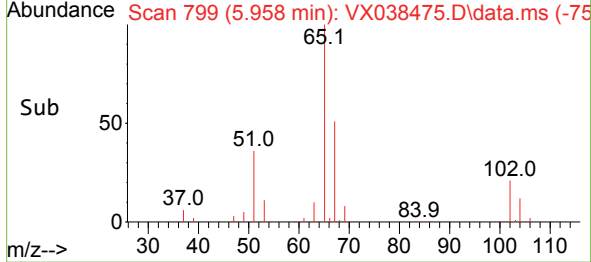
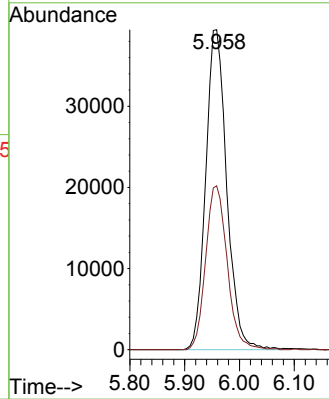
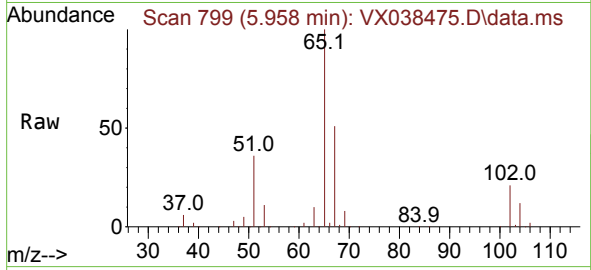




#33
1,2-Dichloroethane-d4
Concen: 39.993 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038475.D
Acq: 25 Oct 2023 13:24

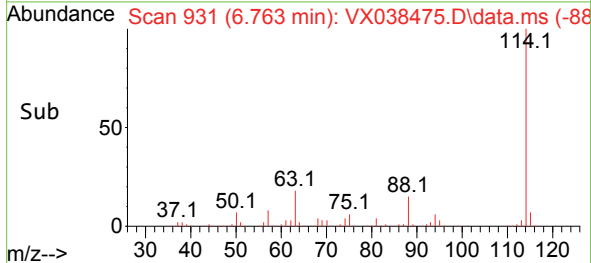
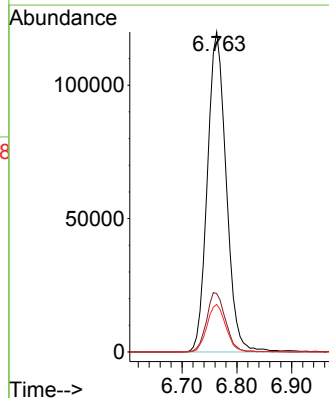
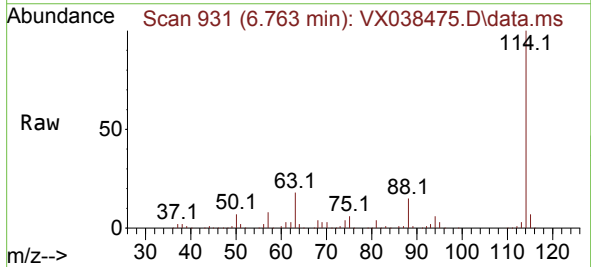
Instrument :
MSVOA_X
ClientSampleId :

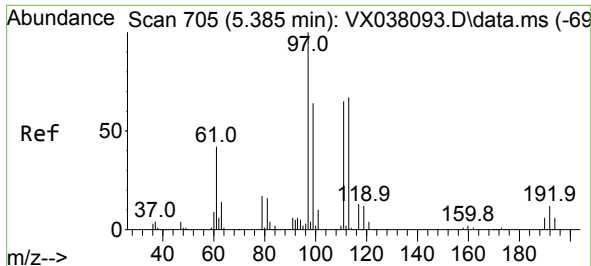
Tgt Ion: 65 Resp: 104970
Ion Ratio Lower Upper
65 100
67 52.4 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX038475.D
Acq: 25 Oct 2023 13:24

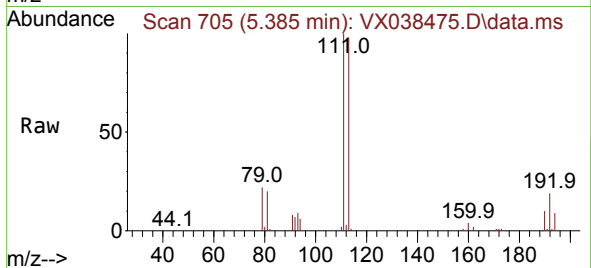
Tgt Ion:114 Resp: 285388
Ion Ratio Lower Upper
114 100
63 18.2 0.0 45.0
88 14.8 0.0 36.6



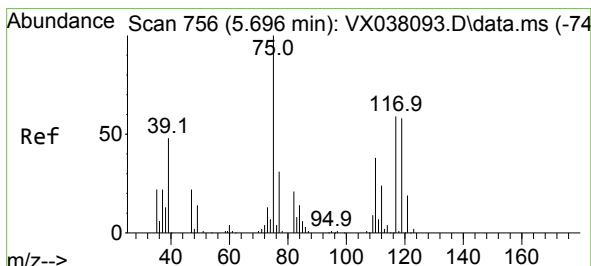
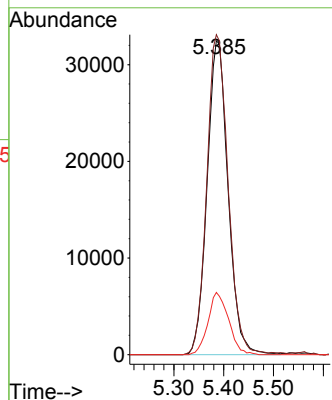
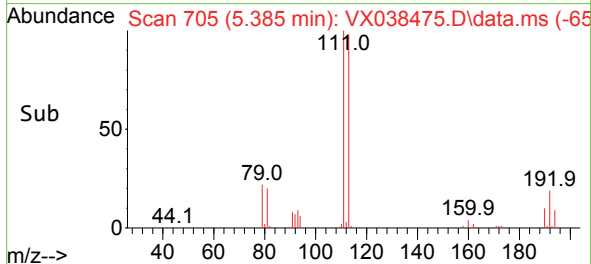


#35
Dibromofluoromethane
Concen: 46.092 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038475.D
Acq: 25 Oct 2023 13:24

Instrument :
MSVOA_X
ClientSampleId :

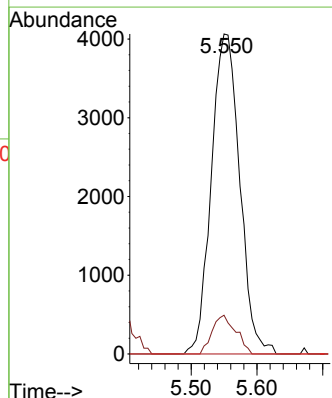
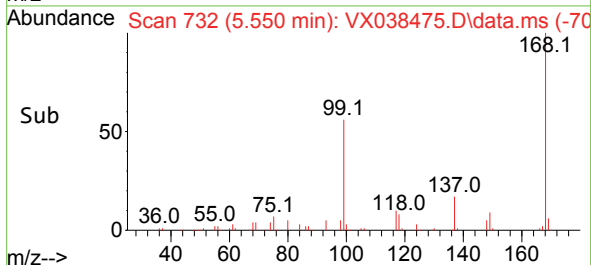
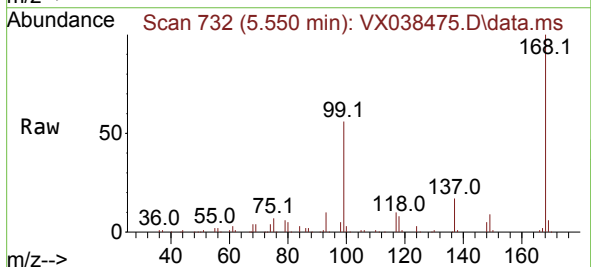


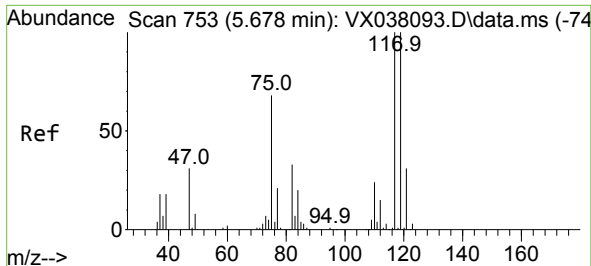
Tgt Ion:113 Resp: 94783
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 19.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.303 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038475.D
Acq: 25 Oct 2023 13:24

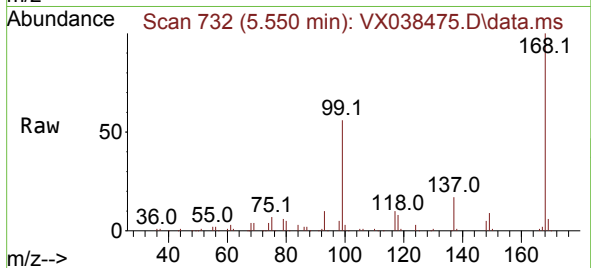
Tgt Ion: 75 Resp: 12201
Ion Ratio Lower Upper
75 100
110 10.1 17.0 50.9#
77 0.0 24.7 37.1#



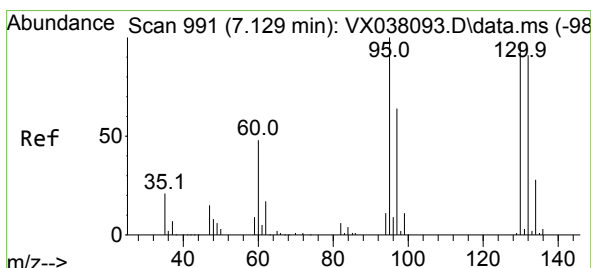
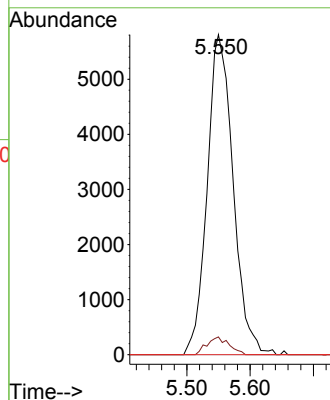
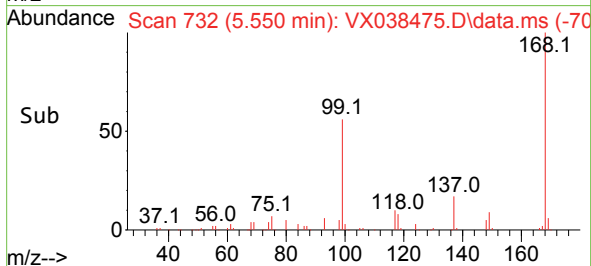


#38
Carbon Tetrachloride
Concen: 5.932 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038475.D
Acq: 25 Oct 2023 13:24

Instrument :
MSVOA_X
ClientSampleId :

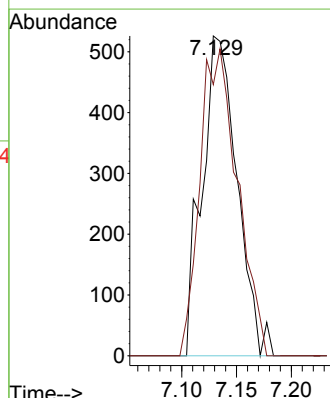
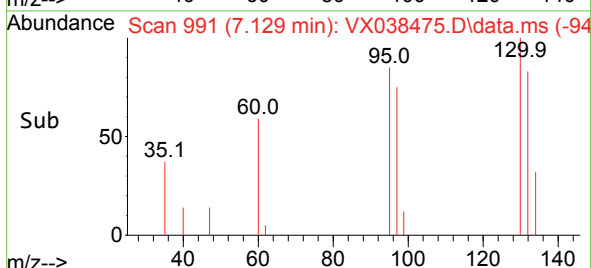
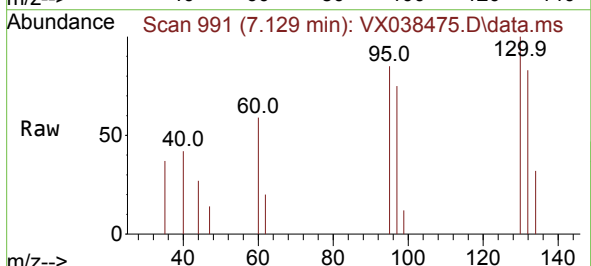


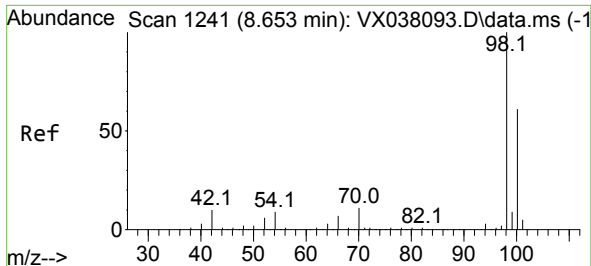
Tgt Ion:117 Resp: 16547
Ion Ratio Lower Upper
117 100
119 5.6 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 0.564 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX038475.D
Acq: 25 Oct 2023 13:24

Tgt Ion:130 Resp: 1170
Ion Ratio Lower Upper
130 100
95 84.8 0.0 204.4

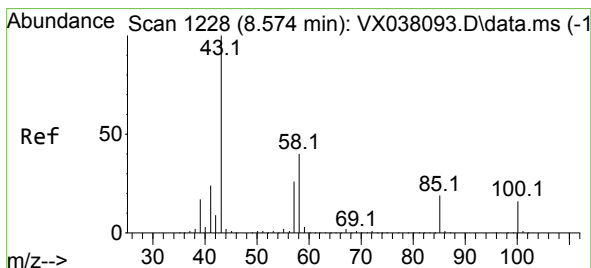
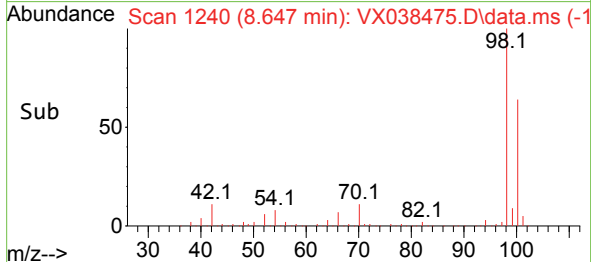
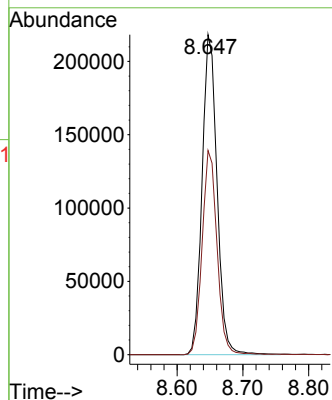
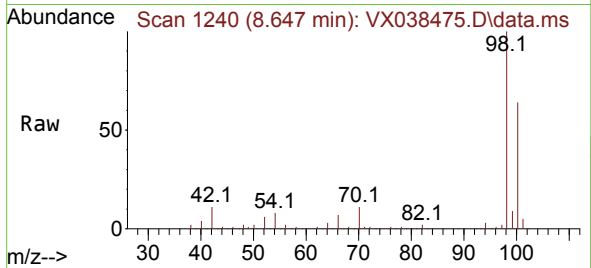




#50
Toluene-d8
Concen: 43.838 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038475.D
Acq: 25 Oct 2023 13:24

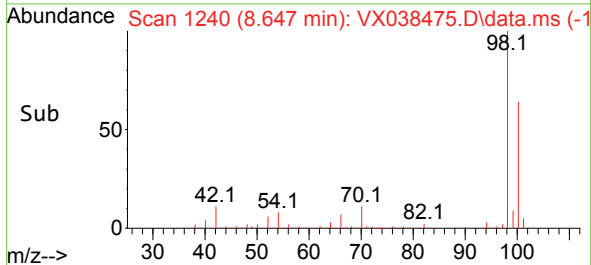
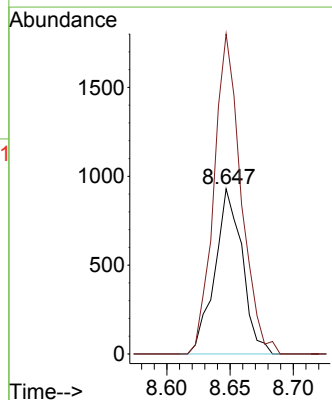
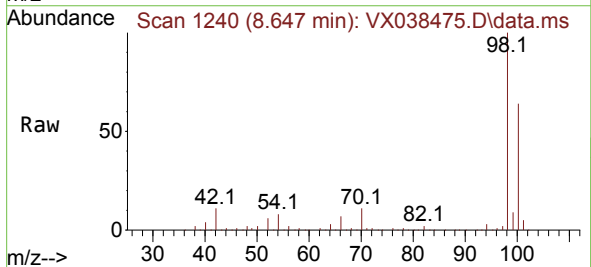
Instrument :
MSVOA_X
ClientSampleId :

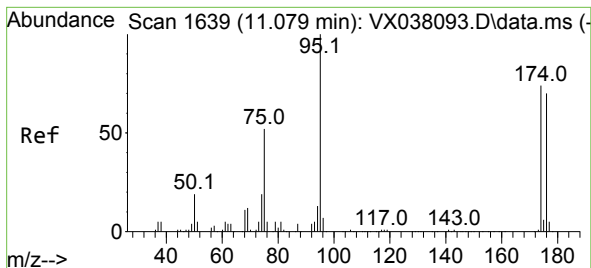
Tgt Ion: 98 Resp: 344481
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.405 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX038475.D
Acq: 25 Oct 2023 13:24

Tgt Ion: 43 Resp: 1405
Ion Ratio Lower Upper
43 100
58 191.4 30.4 45.6#

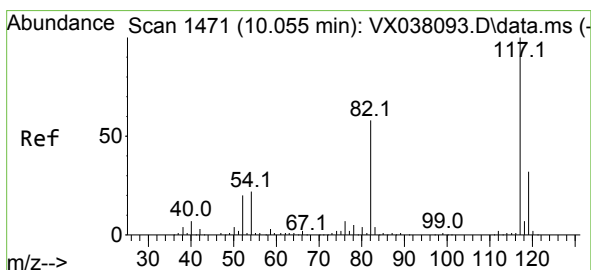
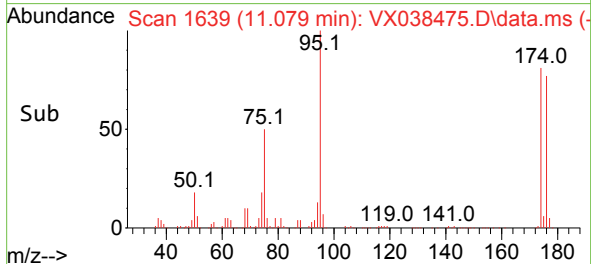
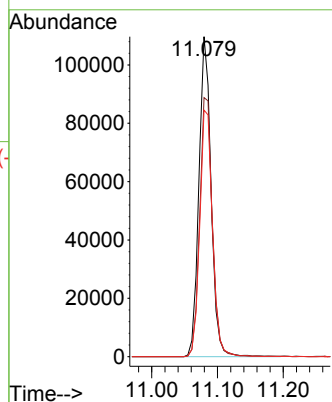
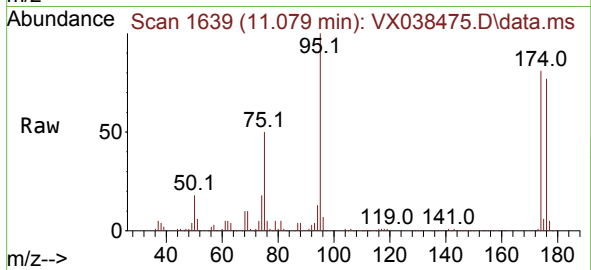




#62
4-Bromofluorobenzene
Concen: 47.259 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038475.D
Acq: 25 Oct 2023 13:24

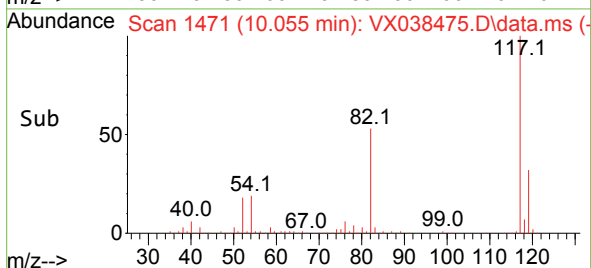
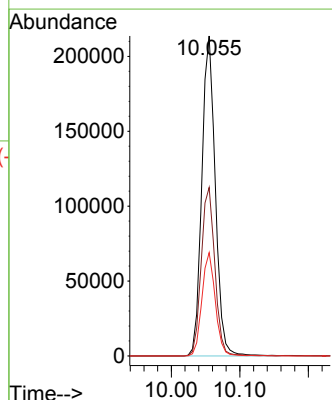
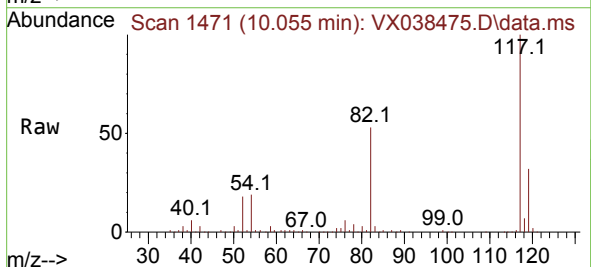
Instrument :
MSVOA_X
ClientSampleId :

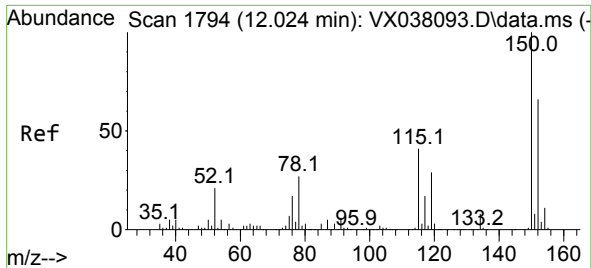
Tgt Ion: 95 Resp: 140787
Ion Ratio Lower Upper
95 100
174 84.9 0.0 135.6
176 80.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038475.D
Acq: 25 Oct 2023 13:24

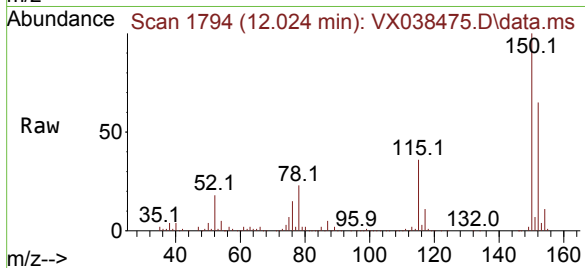
Tgt Ion: 117 Resp: 292849
Ion Ratio Lower Upper
117 100
82 52.7 46.2 69.4
119 32.3 25.5 38.3



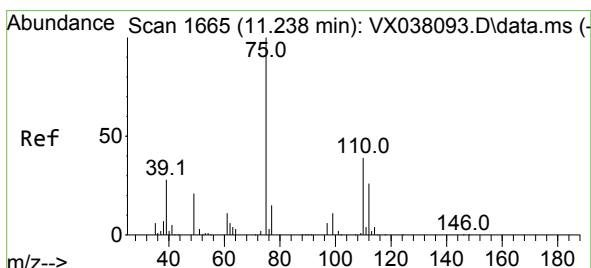
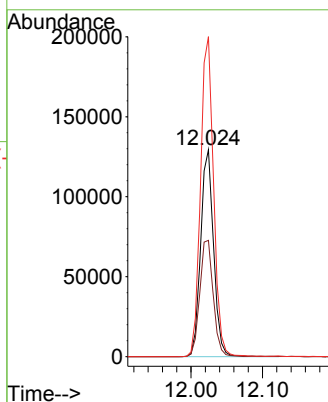
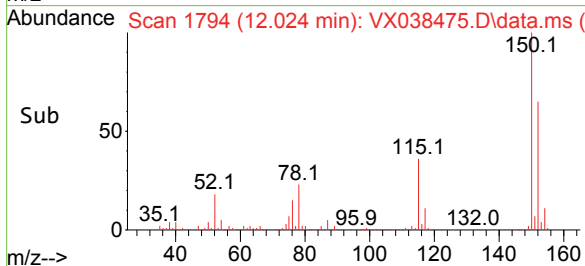


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX038475.D
 Acq: 25 Oct 2023 13:24

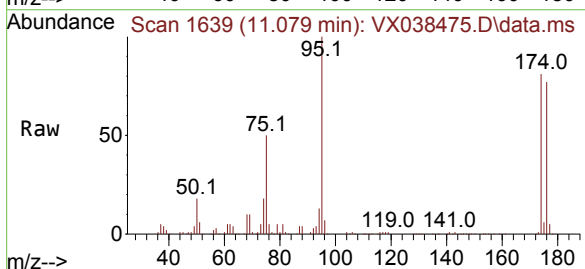
Instrument :
 MSVOA_X
 ClientSampleId :



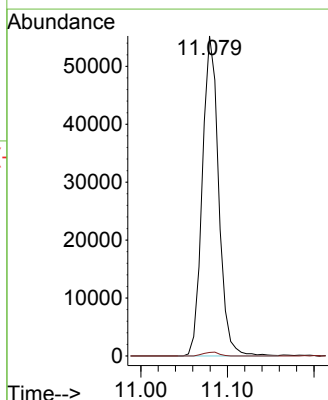
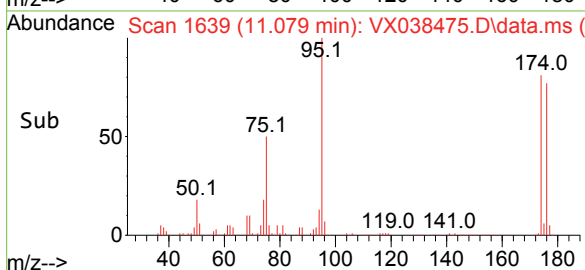
Tgt Ion:152 Resp: 162192
 Ion Ratio Lower Upper
 152 100
 115 58.8 43.3 129.9
 150 156.2 0.0 345.0

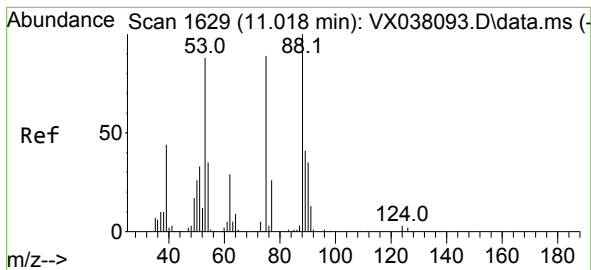


#76
 1,2,3-Trichloropropane
 Concen: 19.653 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX038475.D
 Acq: 25 Oct 2023 13:24



Tgt Ion: 75 Resp: 72465
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

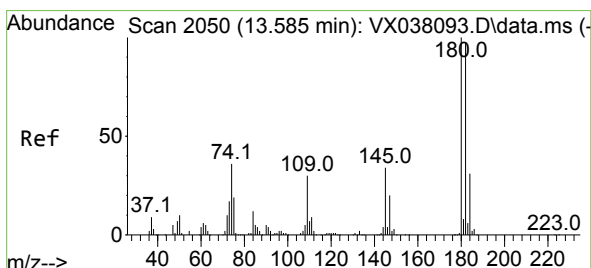
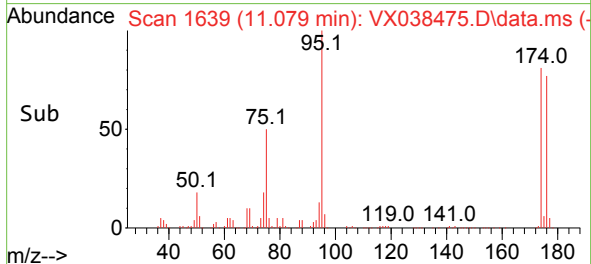
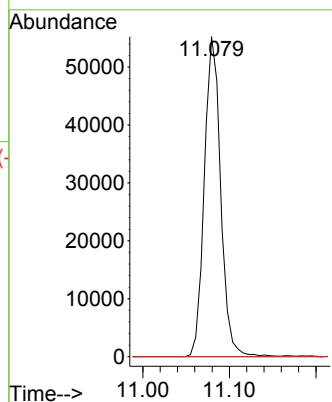
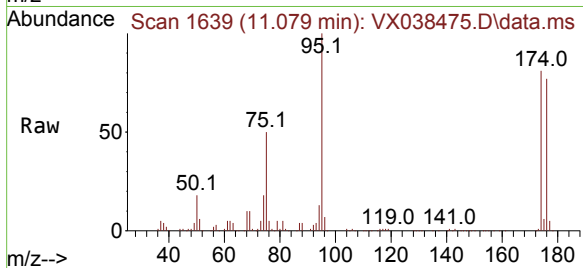




#81
trans-1,4-Dichloro-2-butene
Concen: 56.790 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX038475.D
Acq: 25 Oct 2023 13:24

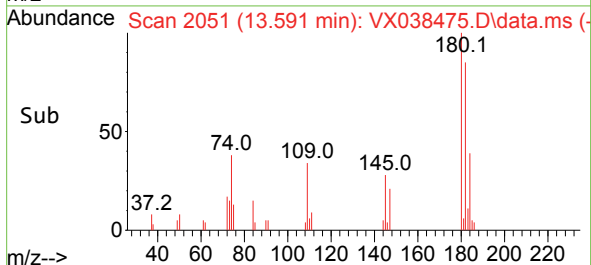
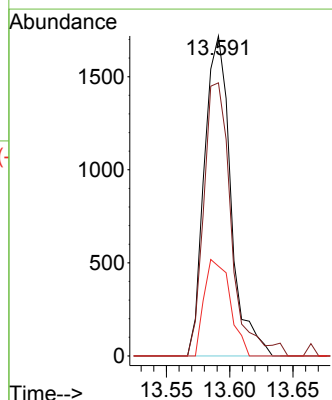
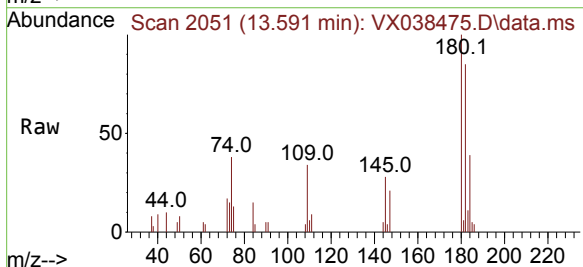
Instrument :
MSVOA_X
ClientSampleId :

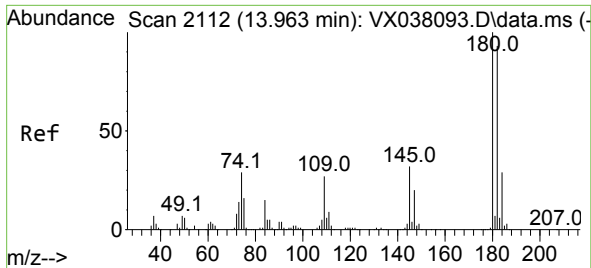
Tgt Ion: 75 Resp: 72465
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.727 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX038475.D
Acq: 25 Oct 2023 13:24

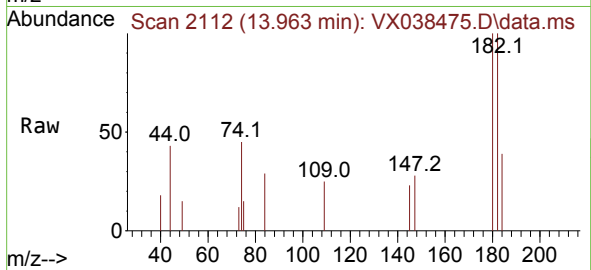
Tgt Ion:180 Resp: 2501
Ion Ratio Lower Upper
180 100
182 88.6 48.3 144.8
145 29.5 18.0 54.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.211 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX038475.D
 Acq: 25 Oct 2023 13:24

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	703
Ion	Ratio	Lower	Upper
180	100		
182	82.2	46.9	140.6
145	20.3	17.8	53.5

