

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102623\
 Data File : VX038533.D
 Acq On : 26 Oct 2023 21:11
 Operator : JC/MD
 Sample : 05063-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 27 05:23:44 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)

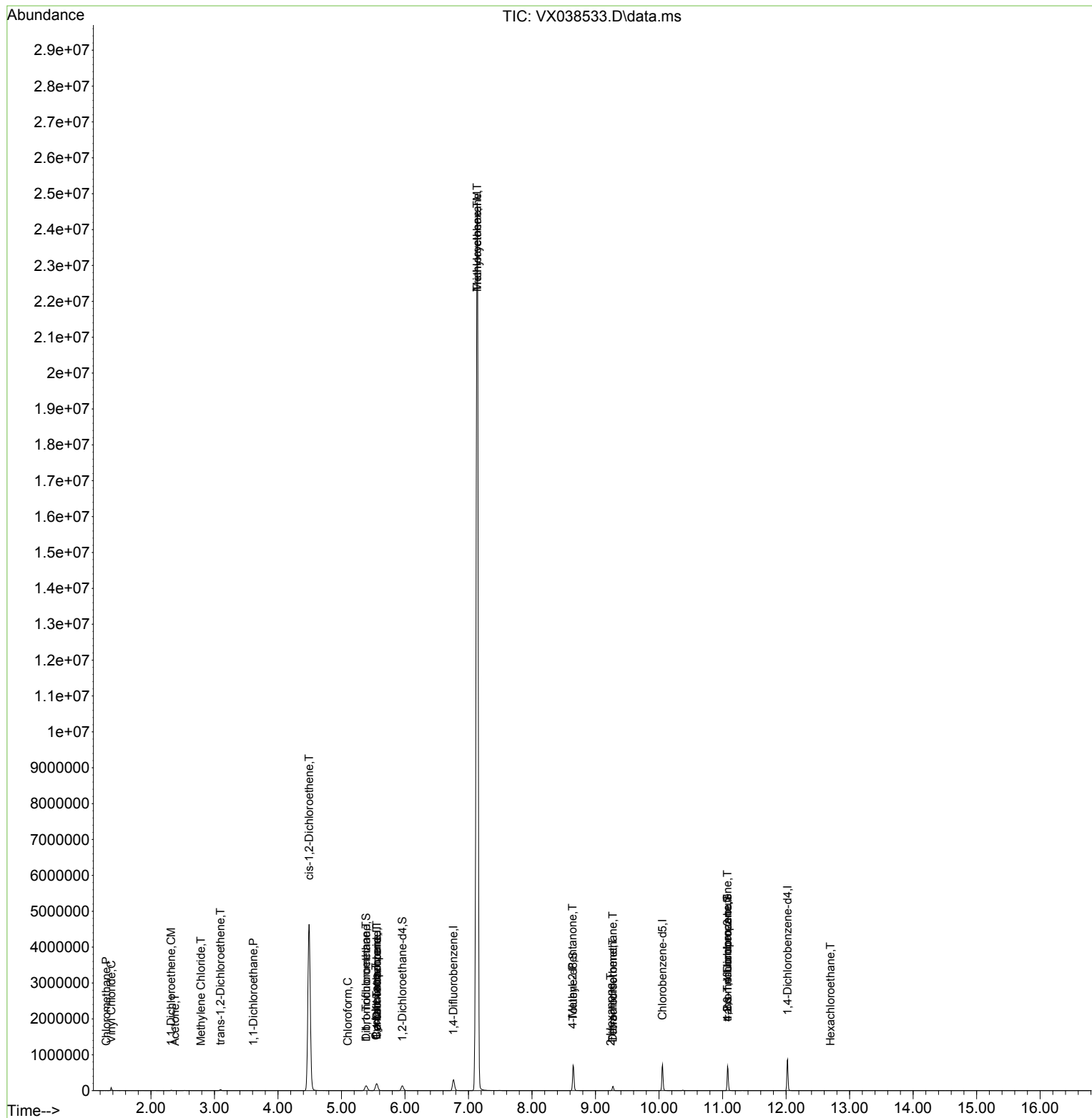
Internal Standards						
1) Pentafluorobenzene	5.556	168	194689	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	328973	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	342857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	194881	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	129640	41.399	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	82.800%
35) Dibromofluoromethane	5.385	113	117632	49.624	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.240%
50) Toluene-d8	8.647	98	434063	47.920	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.840%
62) 4-Bromofluorobenzene	11.079	95	177939	51.816	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.640%
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	596	0.311	ug/l	# 77
4) Vinyl Chloride	1.374	62	51450	24.227	ug/l	99
5) Bromomethane	1.618	94	59	Below Cal	#	3
11) Tert butyl alcohol	2.959	59	208	Below Cal	#	78
12) 1,1-Dichloroethene	2.319	96	3944	2.214	ug/l	# 79
16) Acetone	2.380	43	2625	2.009	ug/l	95
20) Methylene Chloride	2.788	84	1268	0.516	ug/l	# 90
21) trans-1,2-Dichloroethene	3.093	96	12271	5.564	ug/l	# 82
24) 1,1-Dichloroethane	3.611	63	1131	0.279	ug/l	# 83
27) cis-1,2-Dichloroethene	4.489	96	3002030	1142.927	ug/l	76
30) Chloroform	5.099	83	1742	0.393	ug/l	97
31) Cyclohexane	5.544	56	3809	1.123	ug/l	# 7
32) 1,1,1-Trichloroethane	5.385	97	2122	0.559	ug/l	# 44
36) 1,1-Dichloropropene	5.556	75	14471	4.427	ug/l	# 51
38) Carbon Tetrachloride	5.556	117	18872	5.869	ug/l	# 14
39) Methylcyclohexane	7.135	83	122823	32.078	ug/l	# 1
44) Trichloroethene	7.135	130	10163208	4250.099	ug/l	91
51) 4-Methyl-2-Pentanone	8.641	43	1590	0.398	ug/l	# 1
59) 2-Hexanone	9.238	43	720	0.224	ug/l	81
60) Dibromochloromethane	9.275	129	21297	8.542	ug/l	# 11
64) Tetrachloroethene	9.275	164	22152	9.980	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	90313	20.385	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	90313	58.755	ug/l	# 5
90) Hexachloroethane	12.701	117	683	0.350	ug/l	# 17

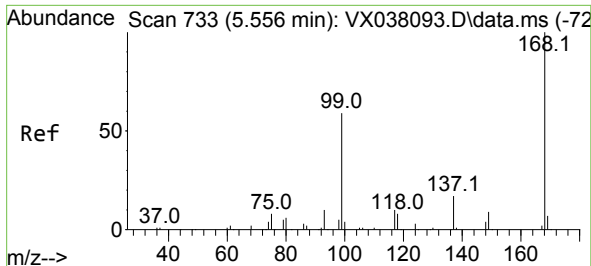
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

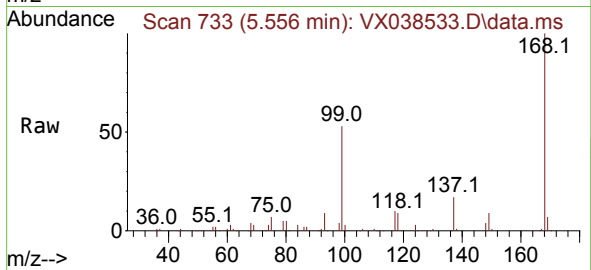
Quant Time: Oct 27 05:23:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration



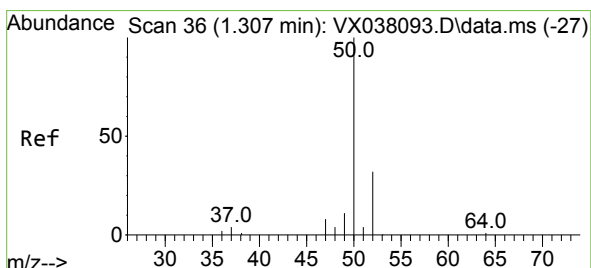
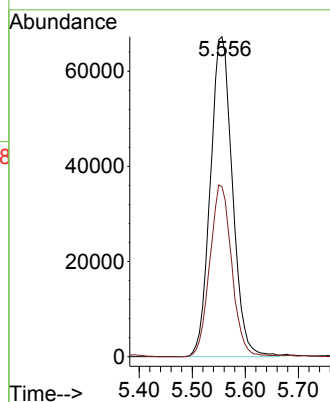
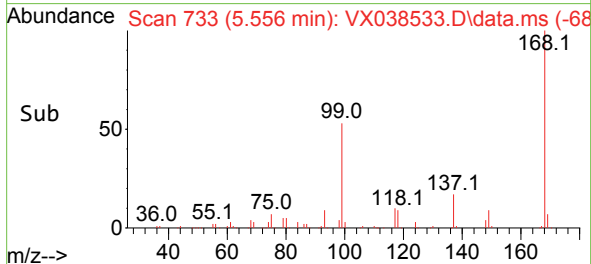


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

Instrument :
MSVOA_X
ClientSampleId :

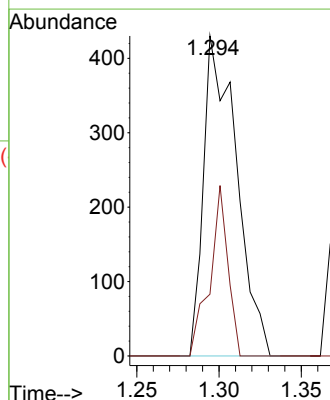
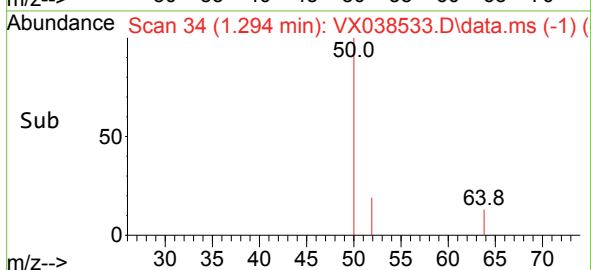
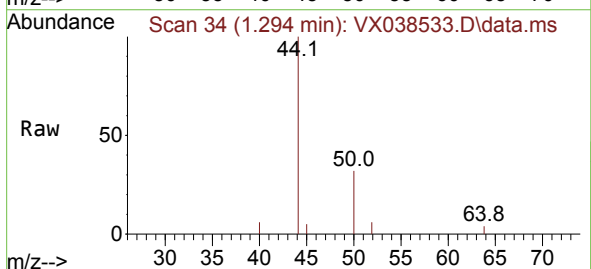


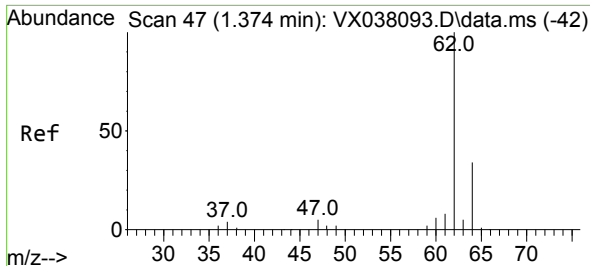
Tgt Ion:168 Resp: 194689
Ion Ratio Lower Upper
168 100
99 53.1 56.6 85.0#



#3
Chloromethane
Concen: 0.311 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

Tgt Ion: 50 Resp: 596
Ion Ratio Lower Upper
50 100
52 19.3 25.5 38.3#

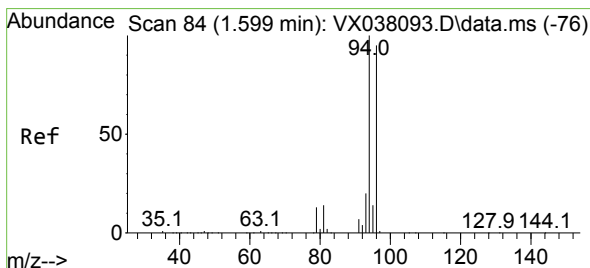
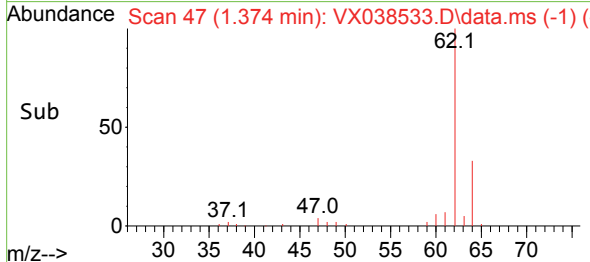
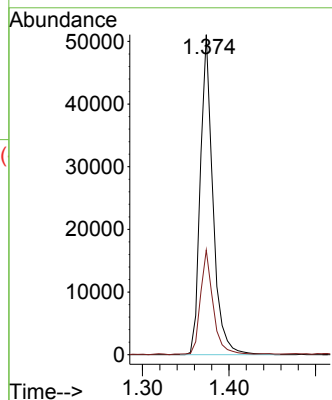
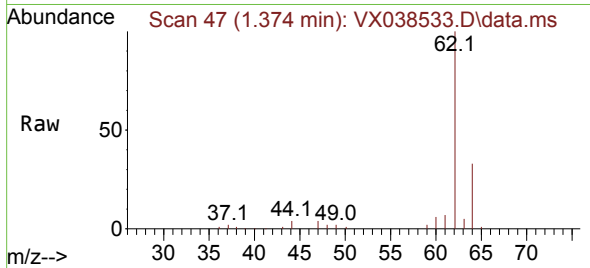




#4
 Vinyl Chloride
 Concen: 24.227 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX038533.D
 Acq: 26 Oct 2023 21:11

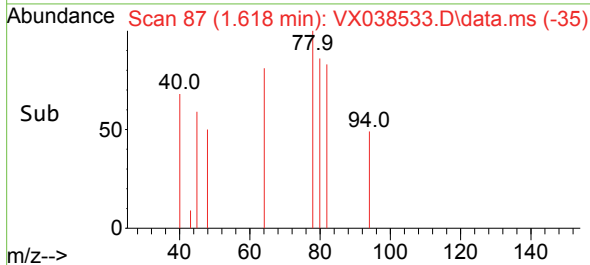
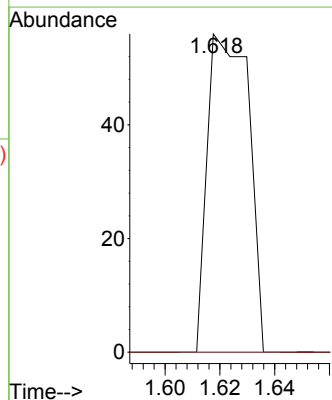
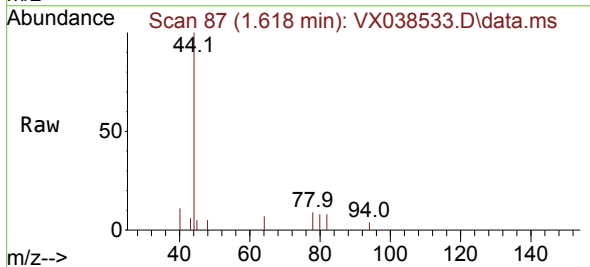
Instrument :
 MSVOA_X
 ClientSampleId :

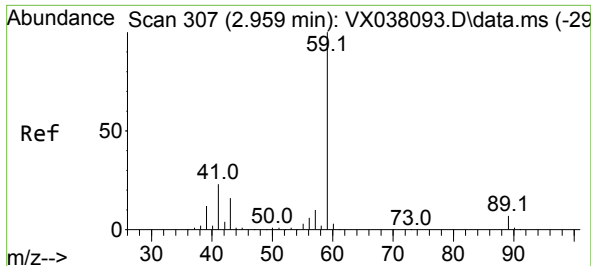
Tgt Ion: 62 Resp: 51450
 Ion Ratio Lower Upper
 62 100
 64 32.5 25.4 38.0



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.618 min Scan# 87
 Delta R.T. 0.019 min
 Lab File: VX038533.D
 Acq: 26 Oct 2023 21:11

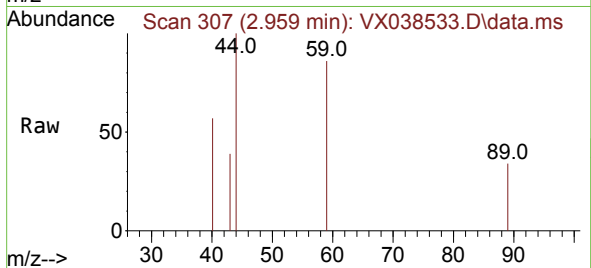
Tgt Ion: 94 Resp: 59
 Ion Ratio Lower Upper
 94 100
 96 0.0 74.6 111.8#



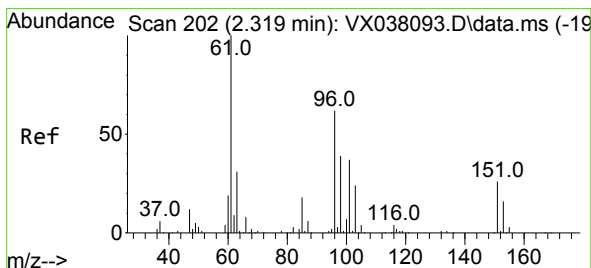
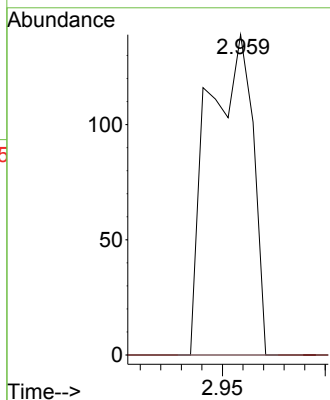
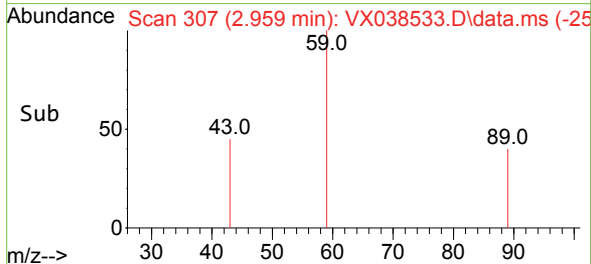


#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.000 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

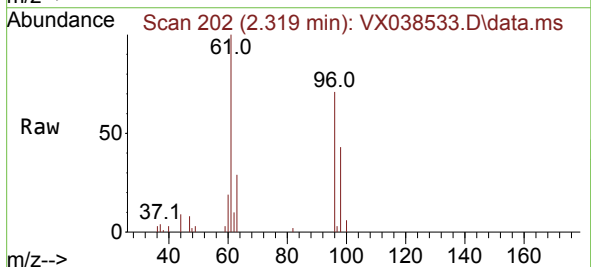
Instrument :
MSVOA_X
ClientSampleId :



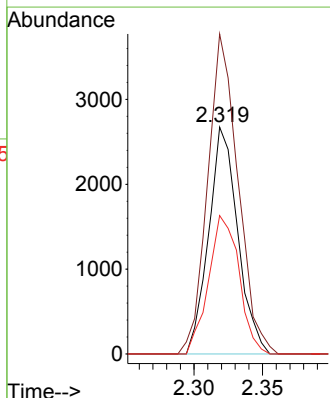
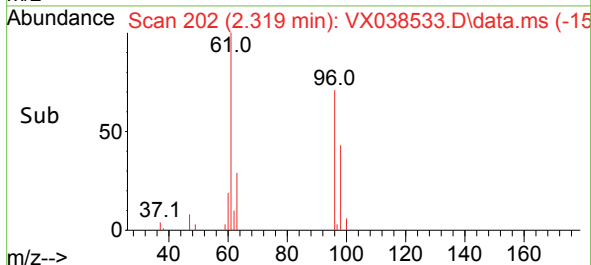
Tgt Ion: 59 Resp: 208
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

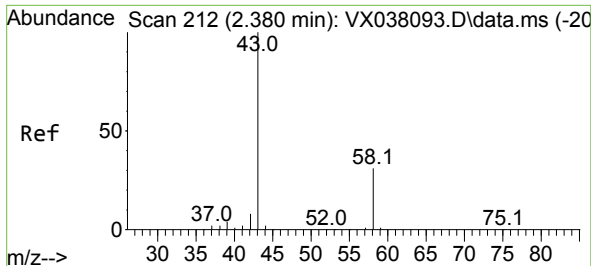


#12
1,1-Dichloroethene
Concen: 2.214 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11



Tgt Ion: 96 Resp: 3944
Ion Ratio Lower Upper
96 100
61 141.1 144.6 216.8#
98 61.0 50.4 75.6

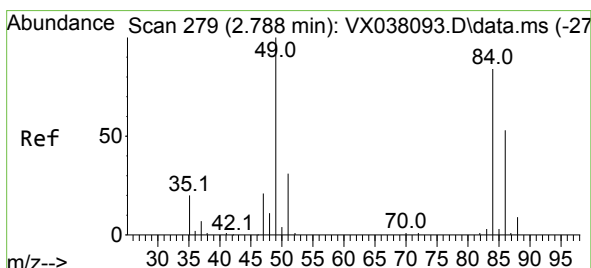
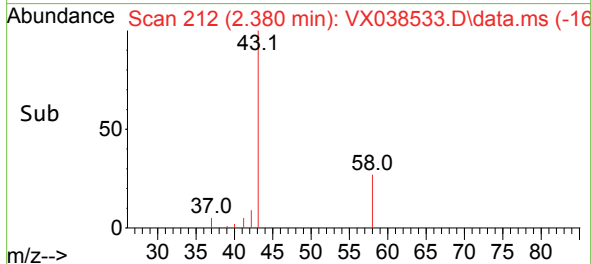
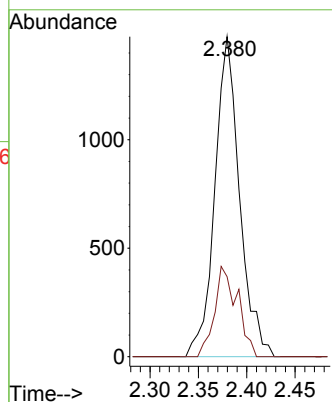
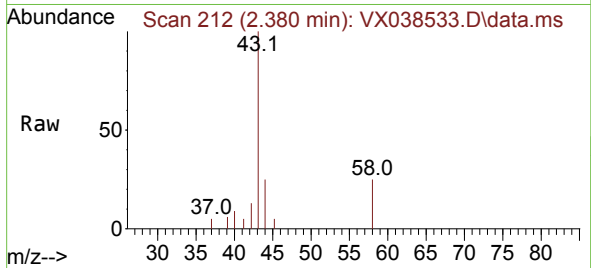




#16
Acetone
Concen: 2.009 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

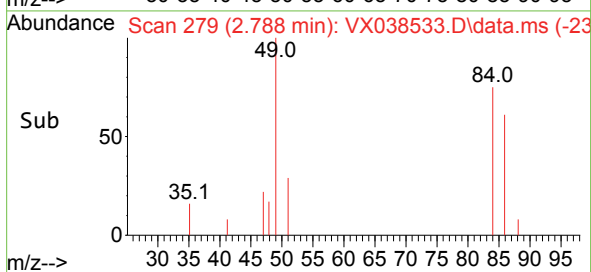
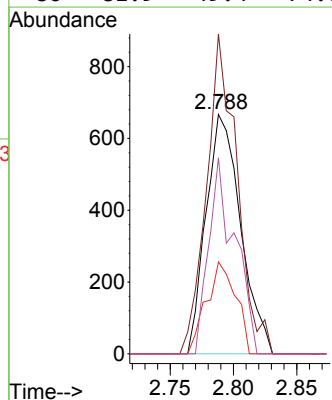
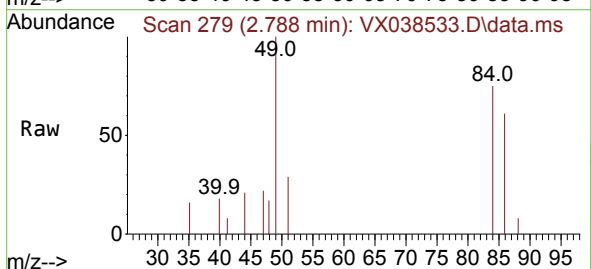
Instrument :
MSVOA_X
ClientSampleId :

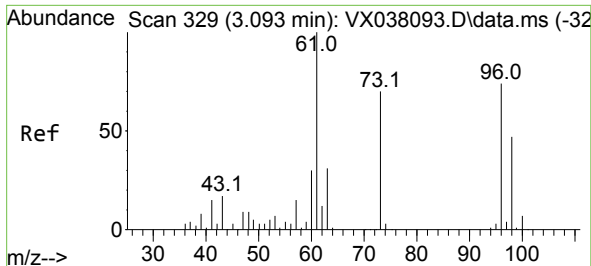
Tgt Ion: 43 Resp: 2625
Ion Ratio Lower Upper
43 100
58 25.0 21.9 32.9



#20
Methylene Chloride
Concen: 0.516 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

Tgt Ion: 84 Resp: 1268
Ion Ratio Lower Upper
84 100
49 133.6 103.6 155.4
51 38.4 33.8 50.6
86 81.9 49.4 74.0#

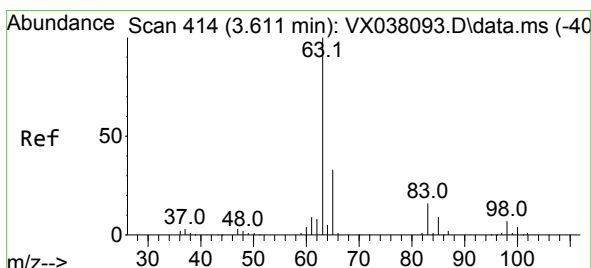
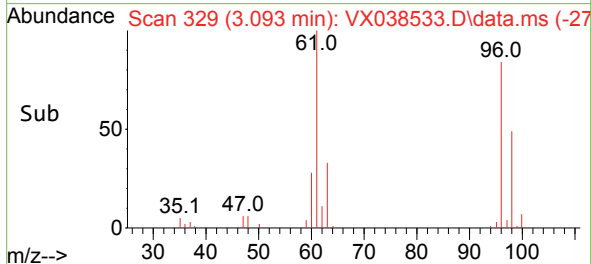
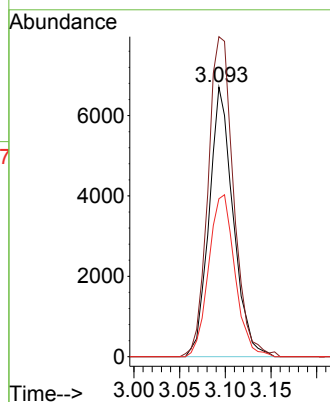
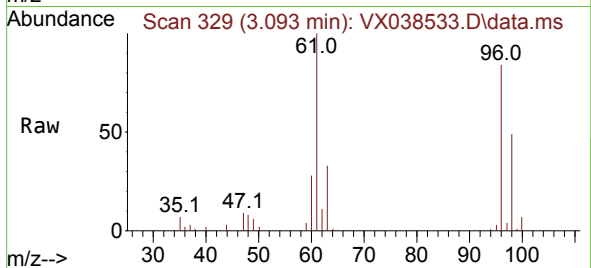




#21
trans-1,2-Dichloroethene
Concen: 5.564 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

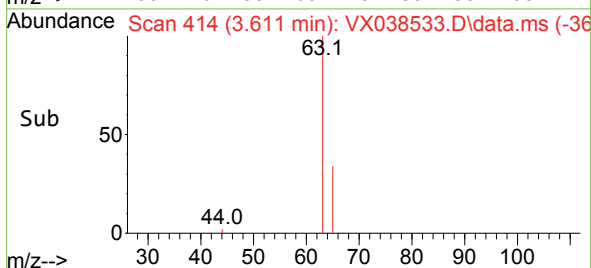
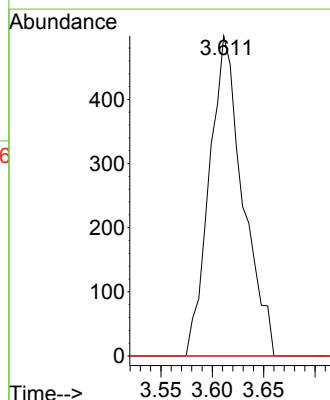
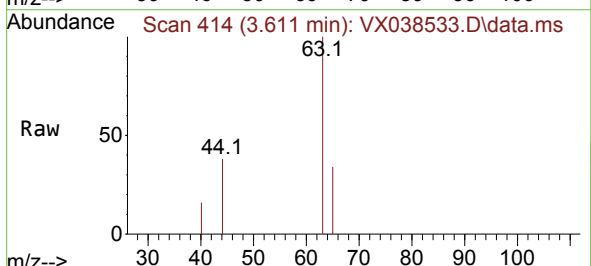
Instrument :
MSVOA_X
ClientSampleId :

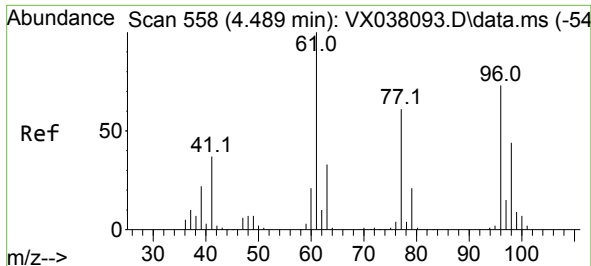
Tgt Ion: 96 Resp: 12271
Ion Ratio Lower Upper
96 100
61 118.7 119.2 178.8#
98 58.6 48.7 73.1



#24
1,1-Dichloroethane
Concen: 0.279 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

Tgt Ion: 63 Resp: 1131
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#





#27

cis-1,2-Dichloroethene

Concen: 1142.927 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX038533.D

Acq: 26 Oct 2023 21:11

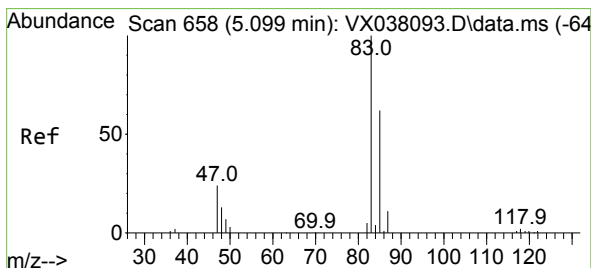
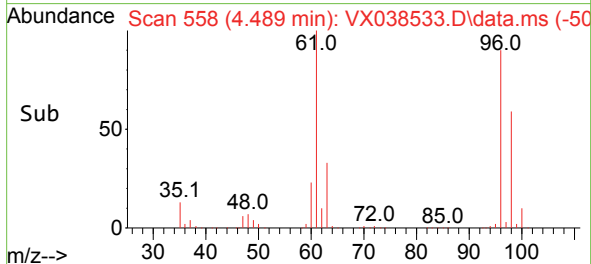
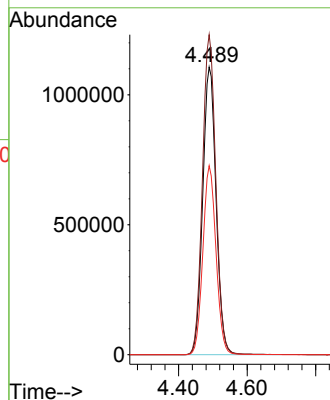
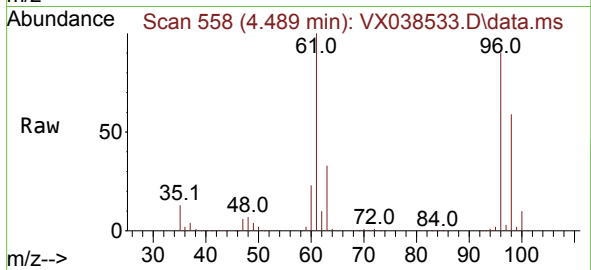
Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 96 Resp: 3002030

Ion	Ratio	Lower	Upper
96	100		
61	111.9	0.0	312.2
98	64.9	0.0	129.0



#30

Chloroform

Concen: 0.393 ug/l

RT: 5.099 min Scan# 658

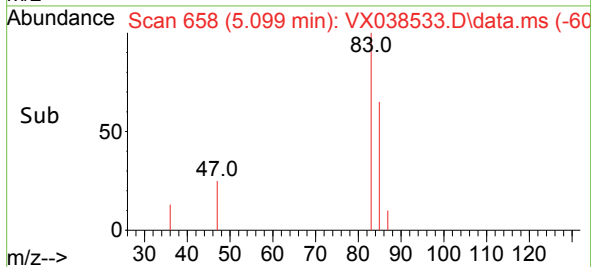
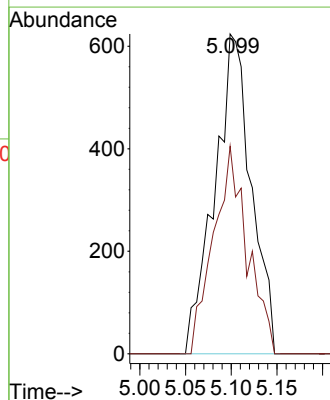
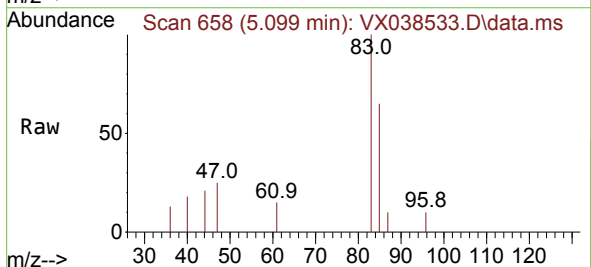
Delta R.T. 0.006 min

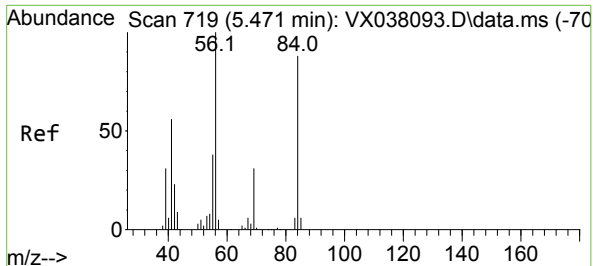
Lab File: VX038533.D

Acq: 26 Oct 2023 21:11

Tgt Ion: 83 Resp: 1742

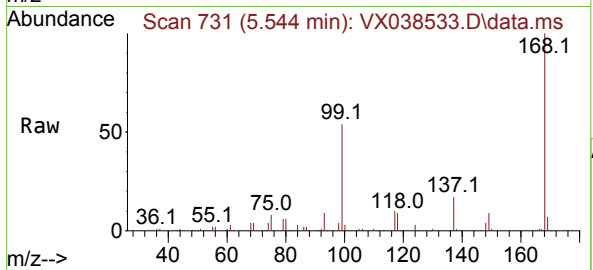
Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.3	75.5



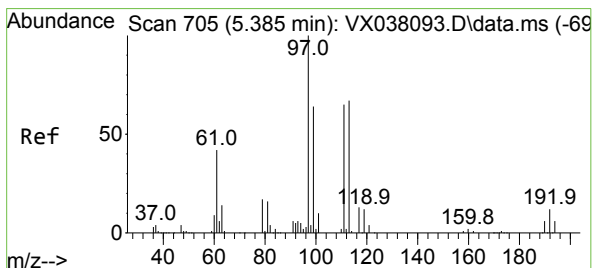
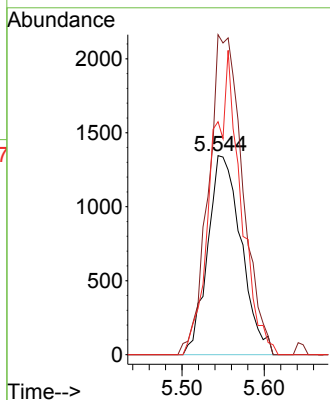
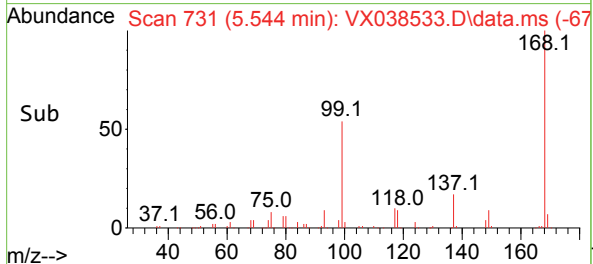


#31
Cyclohexane
Concen: 1.123 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

Instrument :
MSVOA_X
ClientSampleId :

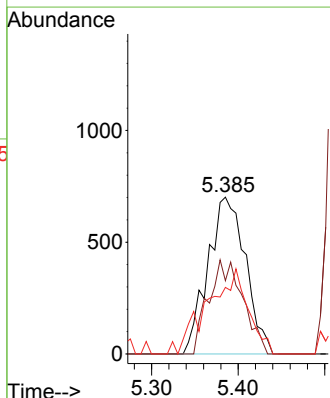
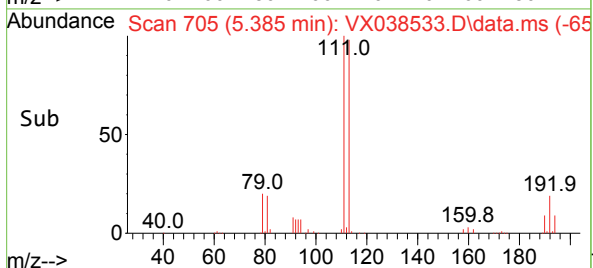
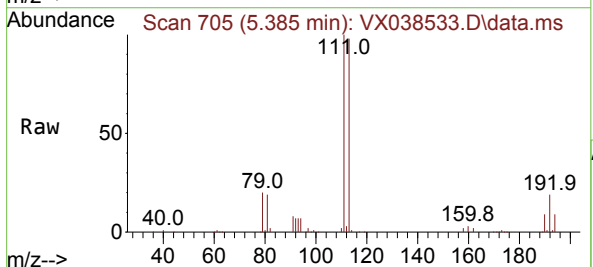


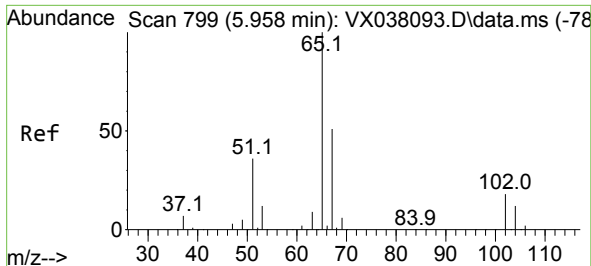
Tgt Ion: 56 Resp: 3809
Ion Ratio Lower Upper
56 100
69 160.8 23.4 35.2#
84 117.1 65.9 98.9#



#32
1,1,1-Trichloroethane
Concen: 0.559 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

Tgt Ion: 97 Resp: 2122
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 58.8 36.4 54.6#

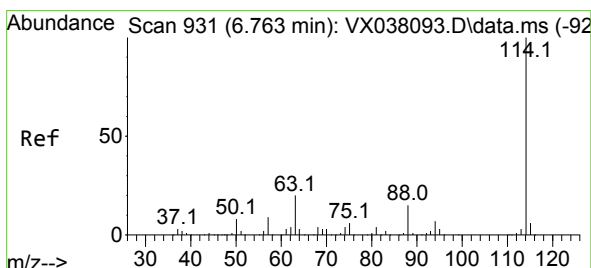
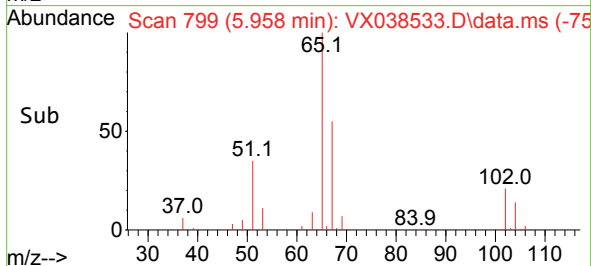
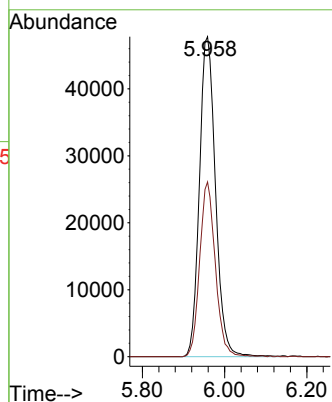
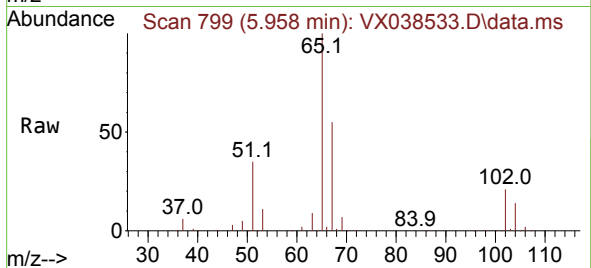




#33
1,2-Dichloroethane-d4
Concen: 41.399 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

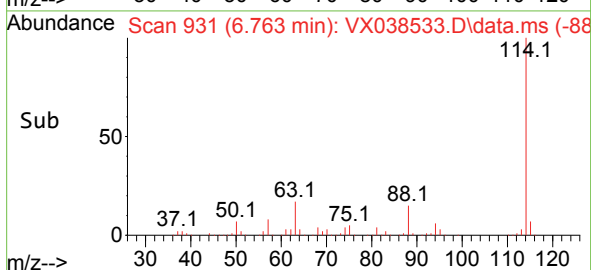
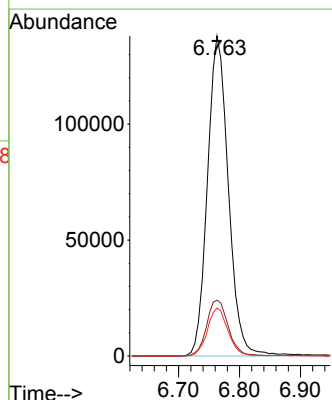
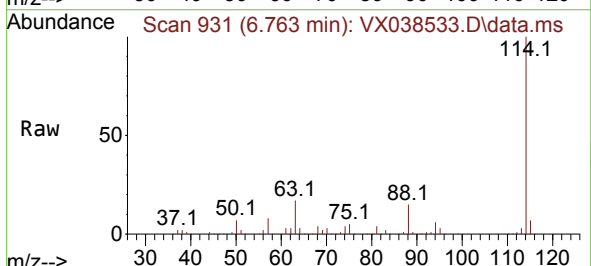
Instrument :
MSVOA_X
ClientSampleId :

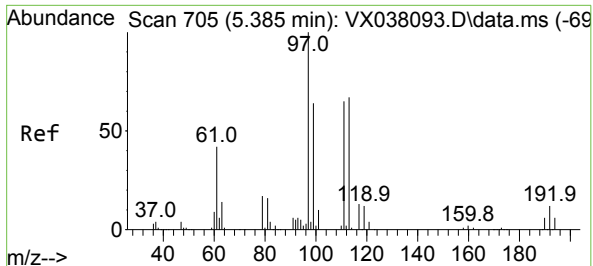
Tgt Ion: 65 Resp: 129640
Ion Ratio Lower Upper
65 100
67 53.0 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

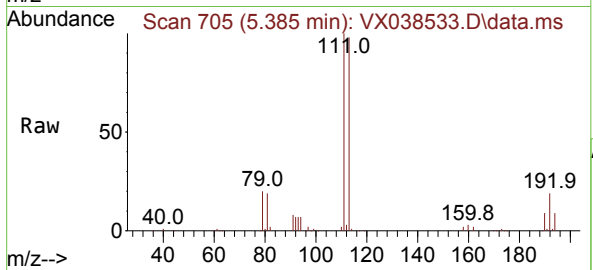
Tgt Ion:114 Resp: 328973
Ion Ratio Lower Upper
114 100
63 17.4 0.0 45.0
88 14.9 0.0 36.6



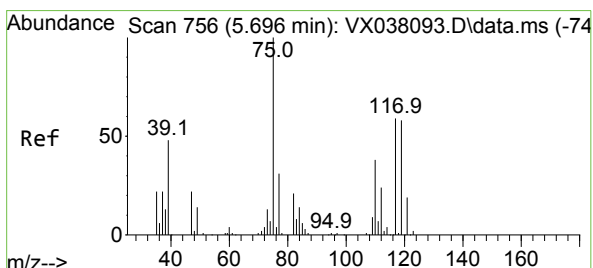
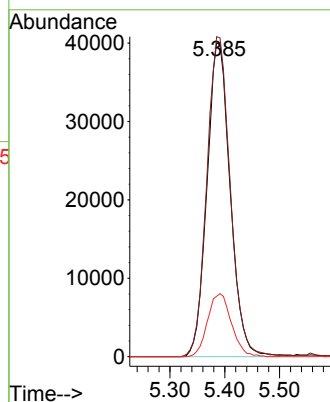
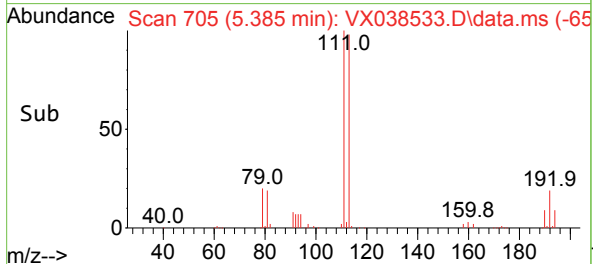


#35
Dibromofluoromethane
Concen: 49.624 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

Instrument :
MSVOA_X
ClientSampleId :

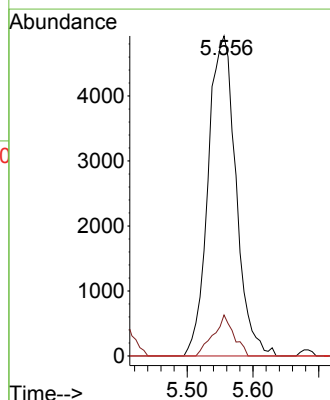
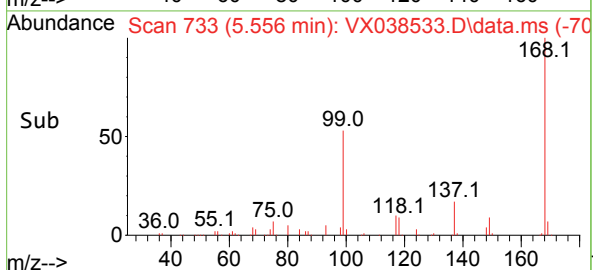
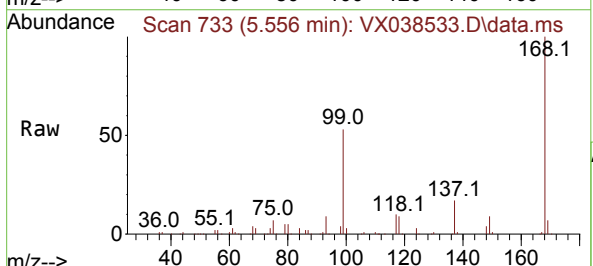


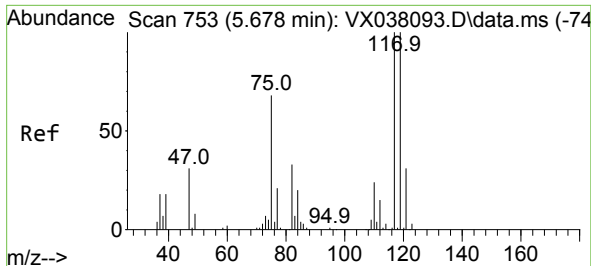
Tgt Ion:113 Resp: 117632
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 20.6 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.427 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

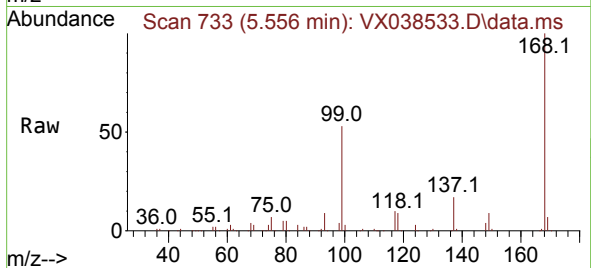
Tgt Ion: 75 Resp: 14471
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#



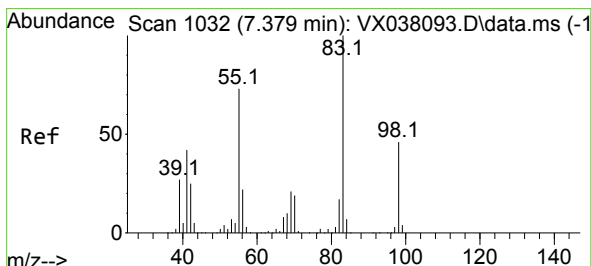
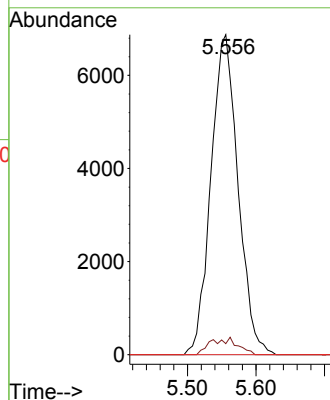
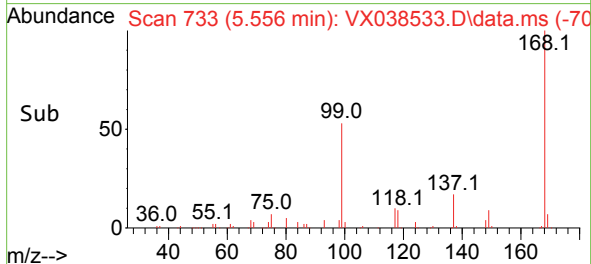


#38
Carbon Tetrachloride
Concen: 5.869 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

Instrument :
MSVOA_X
ClientSampleId :

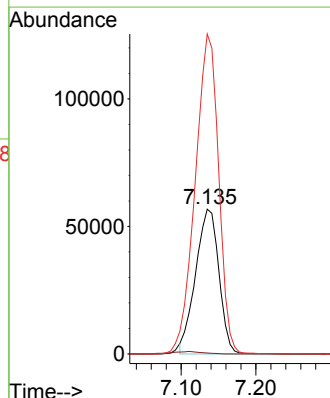
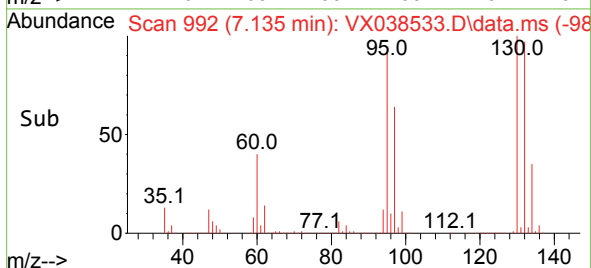
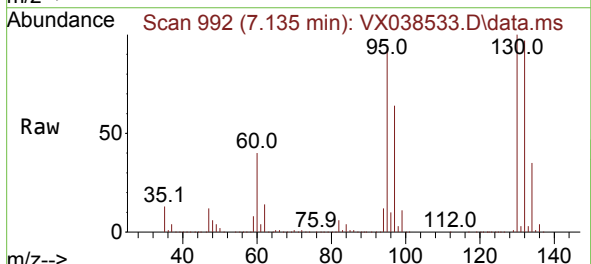


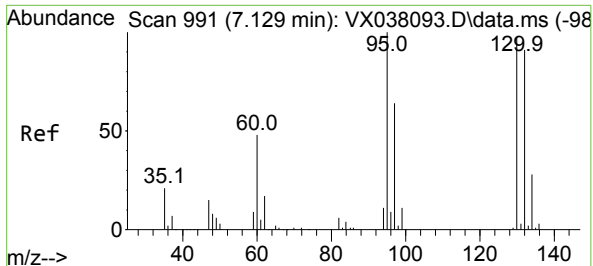
Tgt Ion:117 Resp: 18872
Ion Ratio Lower Upper
117 100
119 3.5 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 32.078 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

Tgt Ion: 83 Resp: 122823
Ion Ratio Lower Upper
83 100
55 0.6 64.6 97.0#
98 220.8 36.7 55.1#

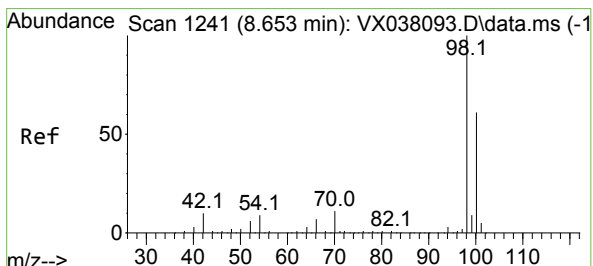
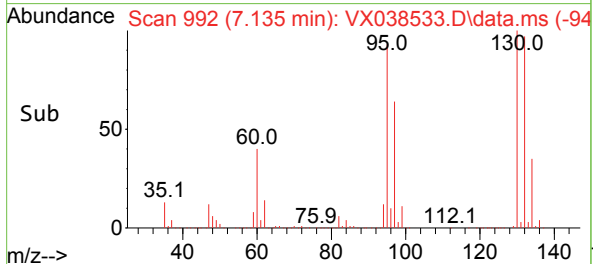
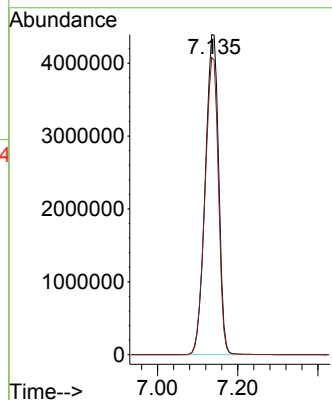
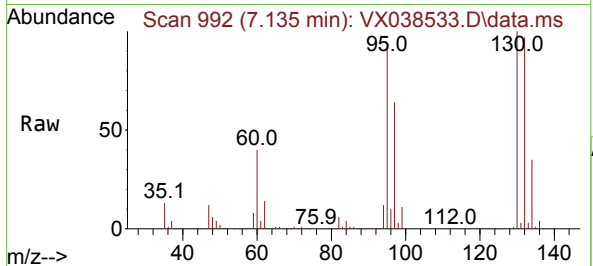




#44
Trichloroethene
Concen: 4250.099 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

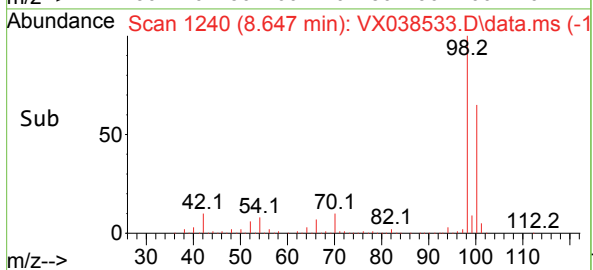
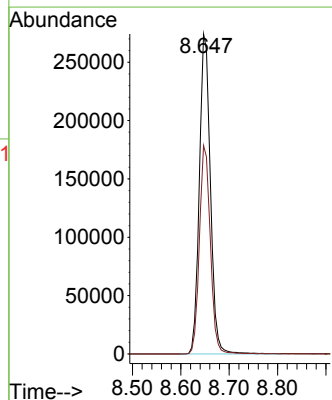
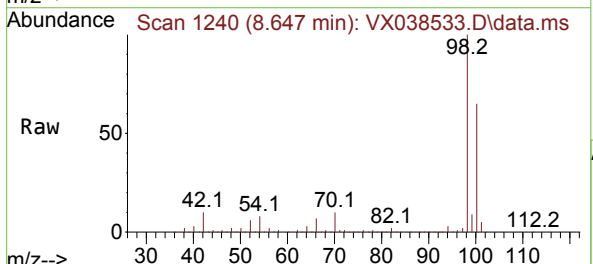
Instrument :
MSVOA_X
ClientSampleId :

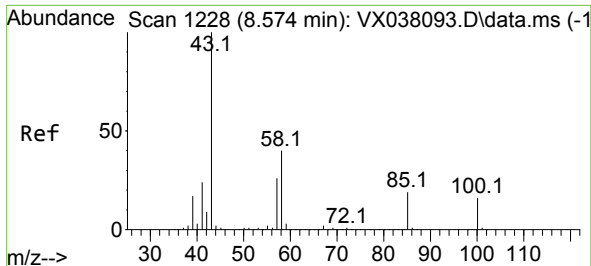
Tgt Ion:130 Resp:10163208
Ion Ratio Lower Upper
130 100
95 92.9 0.0 204.4



#50
Toluene-d8
Concen: 47.920 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

Tgt Ion: 98 Resp: 434063
Ion Ratio Lower Upper
98 100
100 64.6 53.1 79.7

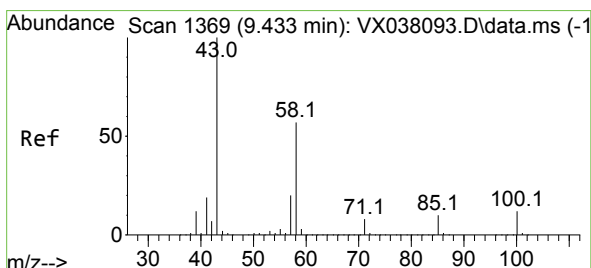
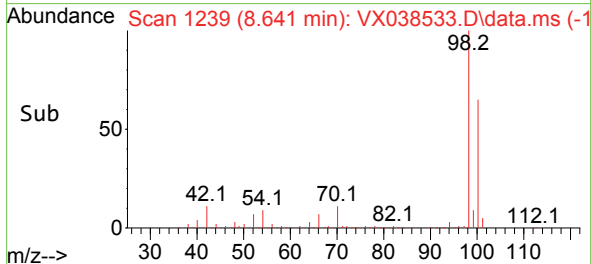
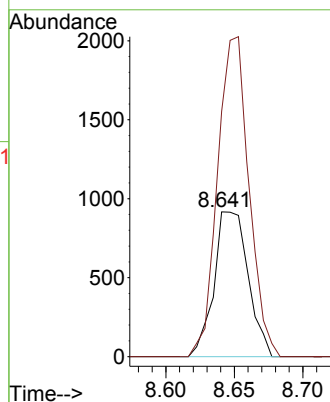
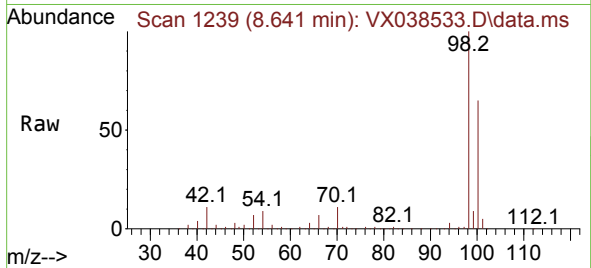




#51
4-Methyl-2-Pentanone
Concen: 0.398 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

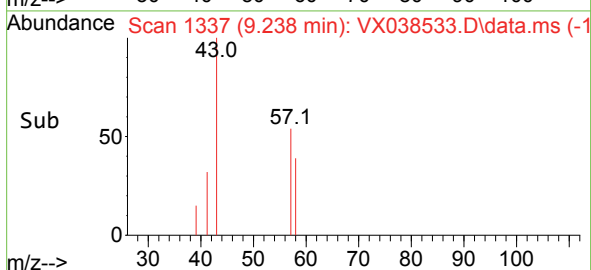
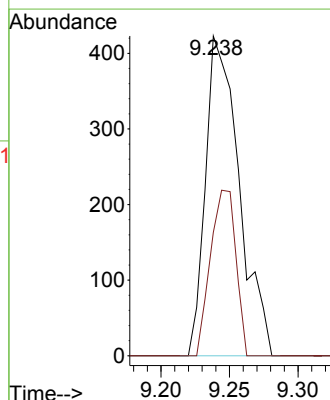
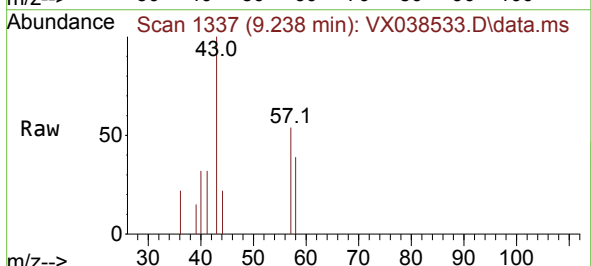
Instrument :
MSVOA_X
ClientSampleId :

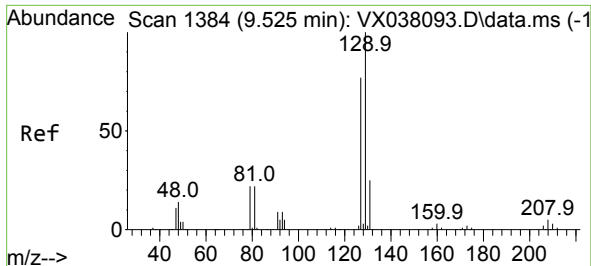
Tgt Ion: 43 Resp: 1590
Ion Ratio Lower Upper
43 100
58 203.3 30.4 45.6#



#59
2-Hexanone
Concen: 0.224 ug/l
RT: 9.238 min Scan# 1337
Delta R.T. -0.195 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

Tgt Ion: 43 Resp: 720
Ion Ratio Lower Upper
43 100
58 39.2 26.2 78.5

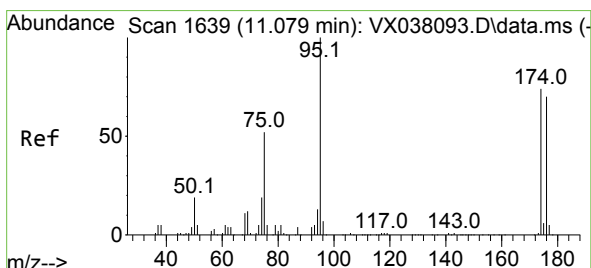
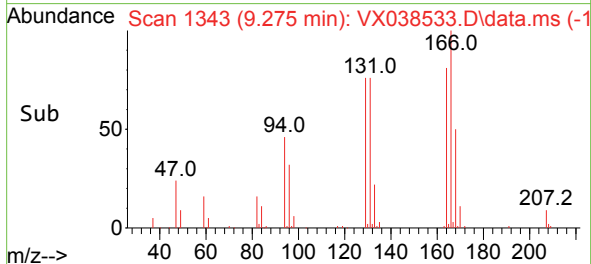
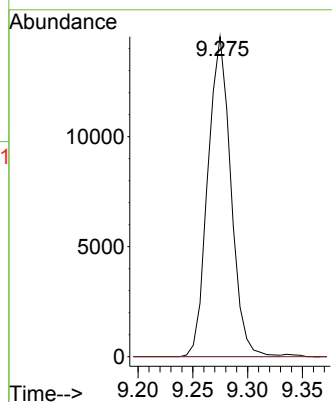
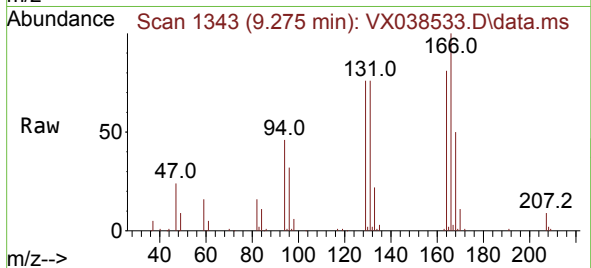




#60
Dibromochloromethane
Concen: 8.542 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

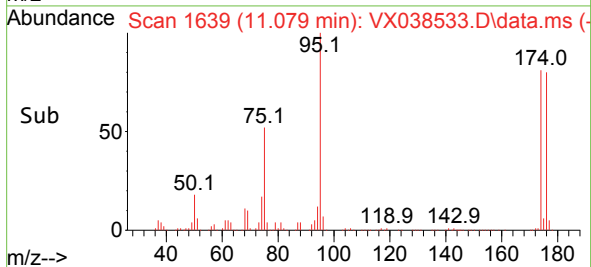
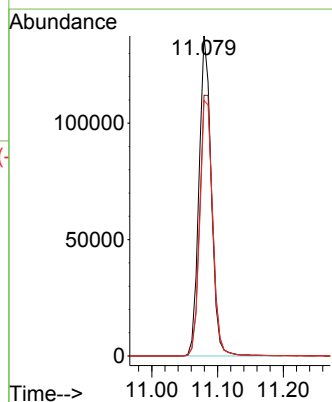
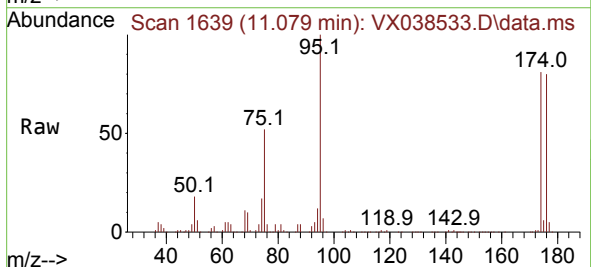
Instrument :
MSVOA_X
ClientSampleId :

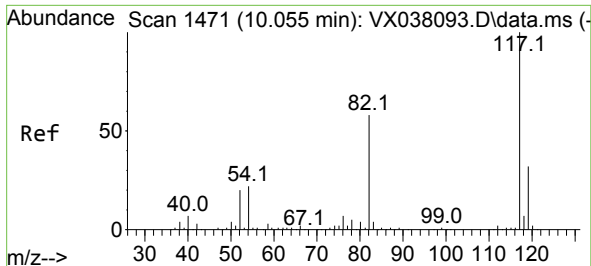
Tgt Ion:129 Resp: 21297
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 51.816 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

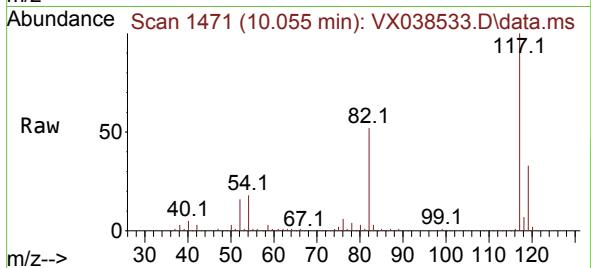
Tgt Ion: 95 Resp: 177939
Ion Ratio Lower Upper
95 100
174 86.5 0.0 135.6
176 83.7 0.0 131.0



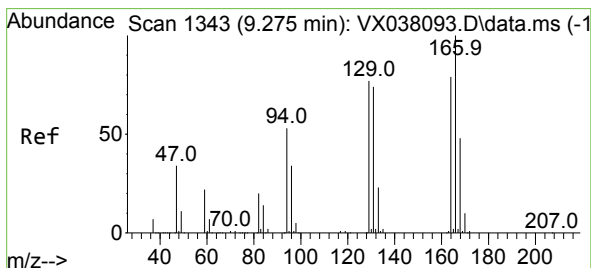
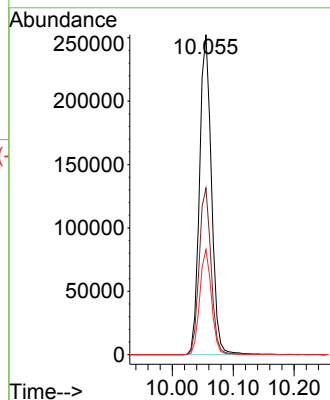
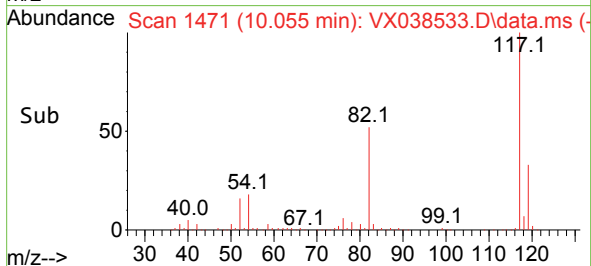


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

Instrument :
MSVOA_X
ClientSampleId :

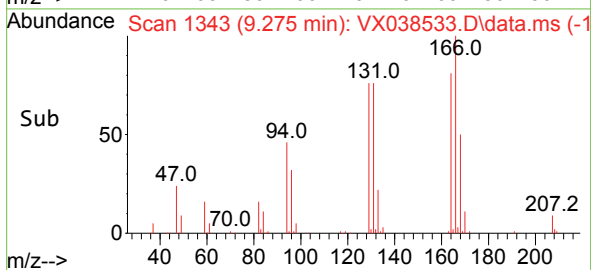
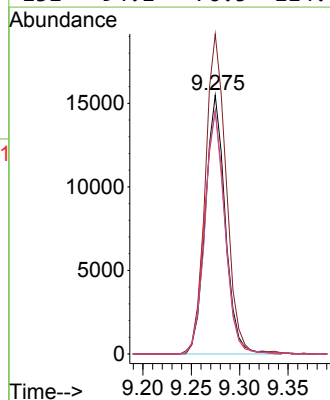
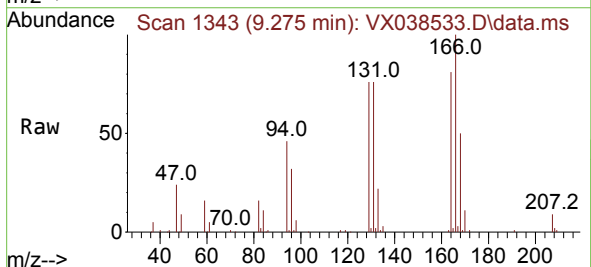


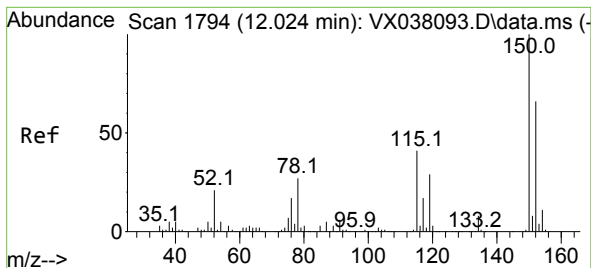
Tgt Ion:117 Resp: 342857
Ion Ratio Lower Upper
117 100
82 52.0 46.2 69.4
119 32.8 25.5 38.3



#64
Tetrachloroethene
Concen: 9.980 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

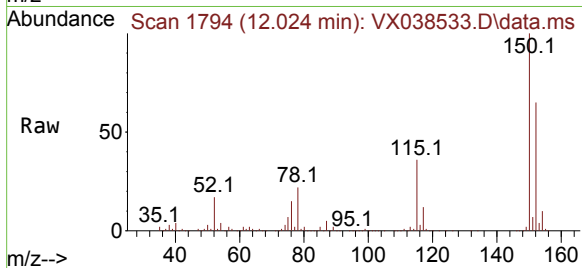
Tgt Ion:164 Resp: 22152
Ion Ratio Lower Upper
164 100
166 123.7 102.7 154.1
129 93.9 80.4 120.6
131 94.1 76.5 114.7



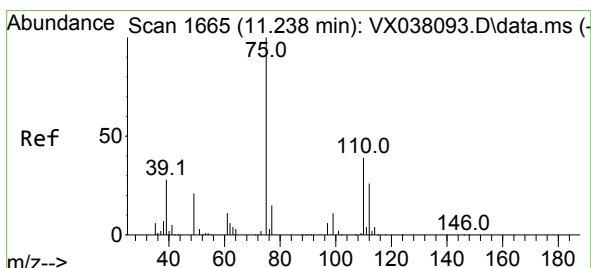
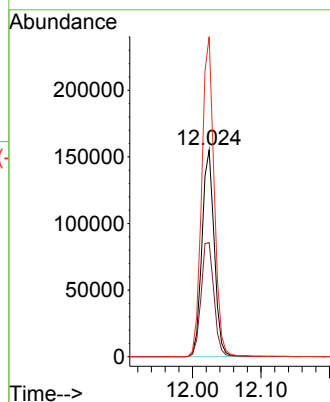
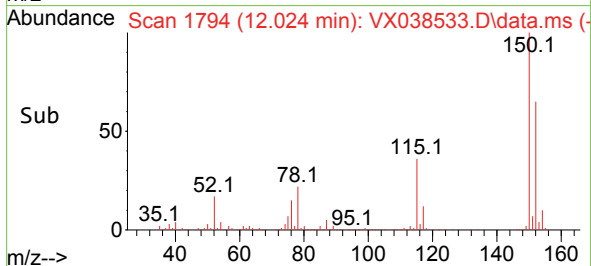


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

Instrument :
MSVOA_X
ClientSampleId :

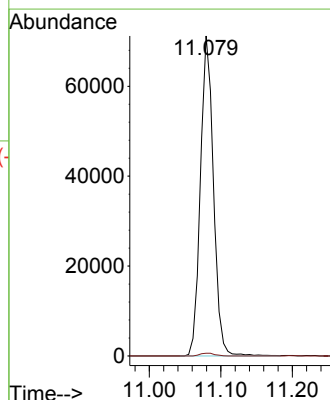
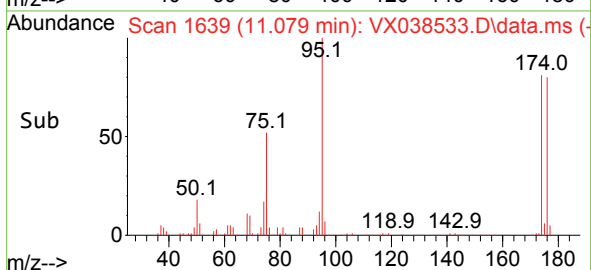
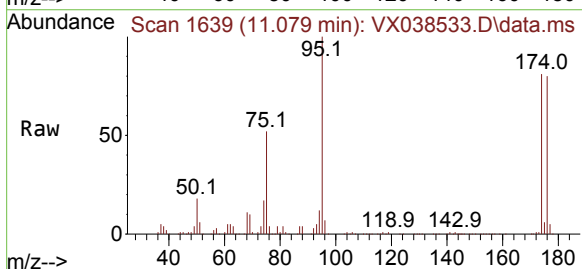


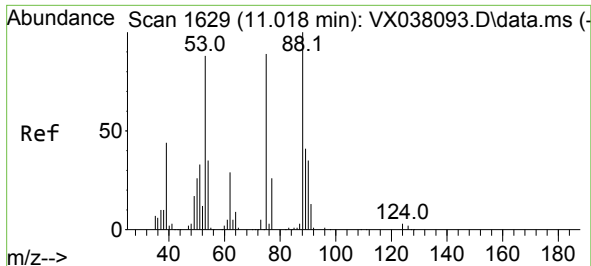
Tgt Ion:152 Resp: 194881
Ion Ratio Lower Upper
152 100
115 58.0 43.3 129.9
150 155.4 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 20.385 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

Tgt Ion: 75 Resp: 90313
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#

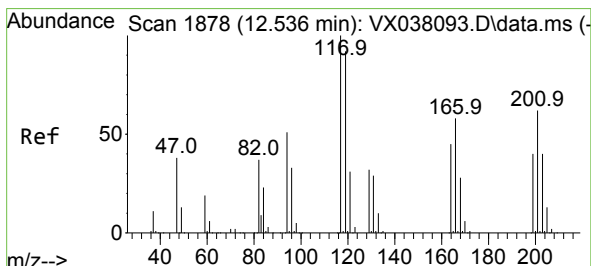
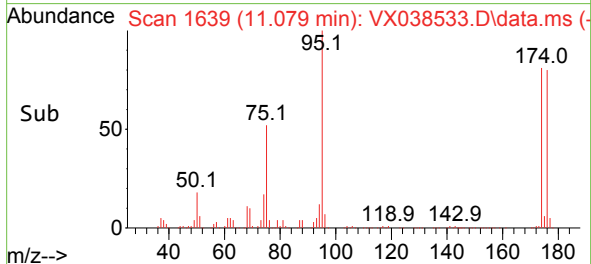
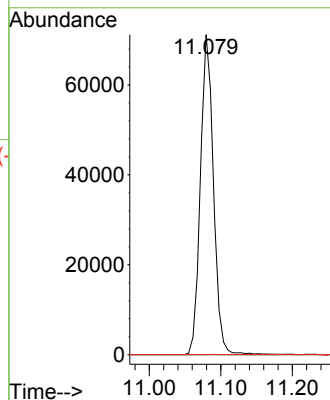
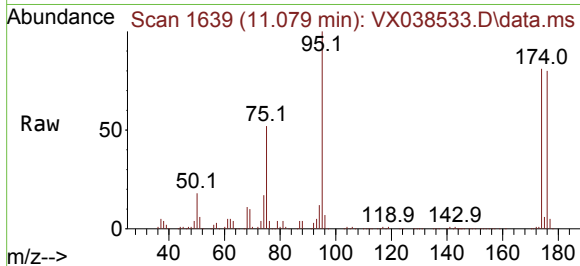




#81
trans-1,4-Dichloro-2-butene
Concen: 58.755 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 90313
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 36.9 55.3#



#90
Hexachloroethane
Concen: 0.350 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.165 min
Lab File: VX038533.D
Acq: 26 Oct 2023 21:11

Tgt Ion: 117 Resp: 683
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#

