

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102523\
 Data File : VX038499.D
 Acq On : 26 Oct 2023 05:34
 Operator : JC/MD
 Sample : 05040-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 26 06:16:43 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)

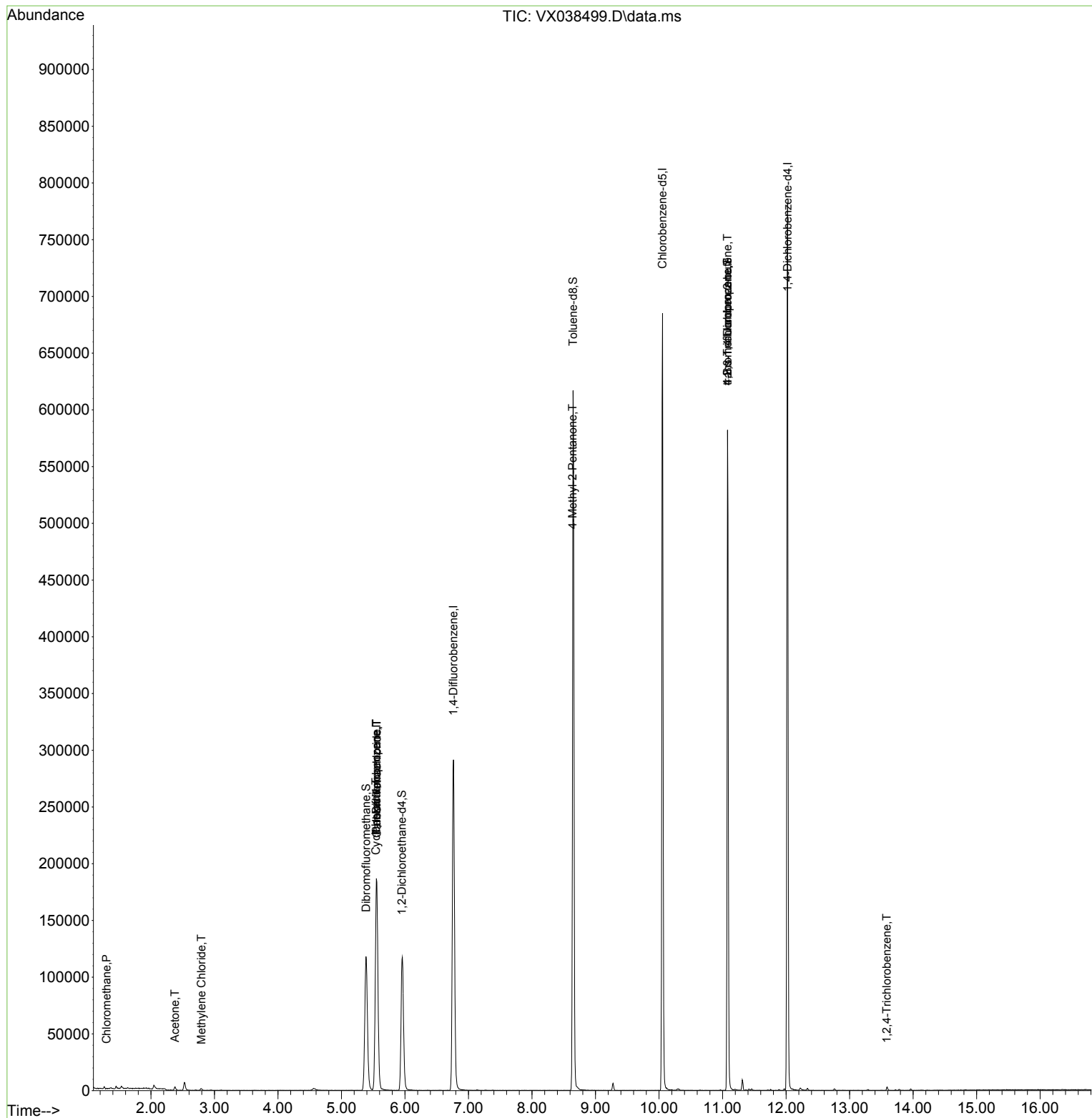
Internal Standards						
1) Pentafluorobenzene	5.550	168	186578	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	315146	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	319390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	173194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	115070	38.344	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	76.680%#
35) Dibromofluoromethane	5.385	113	102106	44.964	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.920%
50) Toluene-d8	8.647	98	382326	44.060	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	88.120%#
62) 4-Bromofluorobenzene	11.079	95	149324	45.392	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.780%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	391	0.213	ug/l	# 79
5) Bromomethane	1.593	94	46	Below Cal	#	3
6) Chloroethane	1.678	64	108	Below Cal	#	43
11) Tert butyl alcohol	2.953	59	148	Below Cal	#	78
16) Acetone	2.380	43	3137	2.505	ug/l	100
20) Methylene Chloride	2.794	84	809	0.343	ug/l	# 92
31) Cyclohexane	5.544	56	3667	1.128	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	13185	4.211	ug/l	# 53
38) Carbon Tetrachloride	5.556	117	18254	5.926	ug/l	# 15
51) 4-Methyl-2-Pentanone	8.641	43	1544	0.403	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	76343	19.389	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	76343	56.082	ug/l	# 5
93) 1,2,4-Trichlorobenzene	13.585	180	955	0.260	ug/l	98

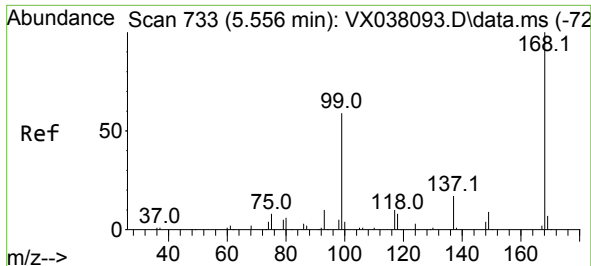
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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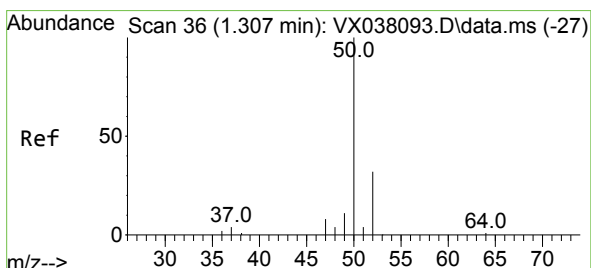
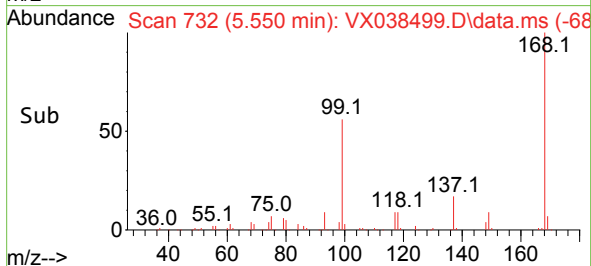
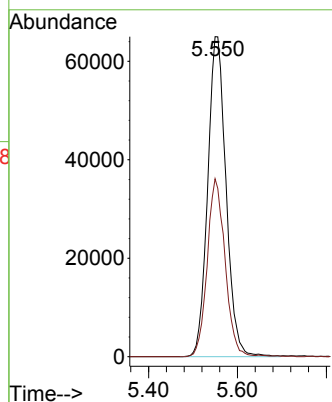
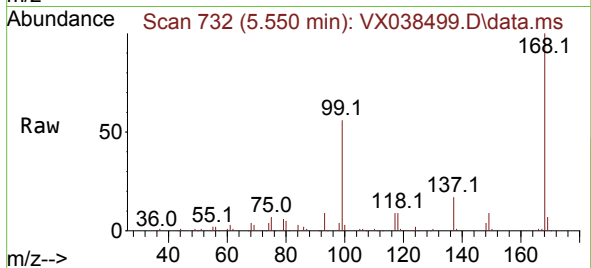




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038499.D
Acq: 26 Oct 2023 05:34

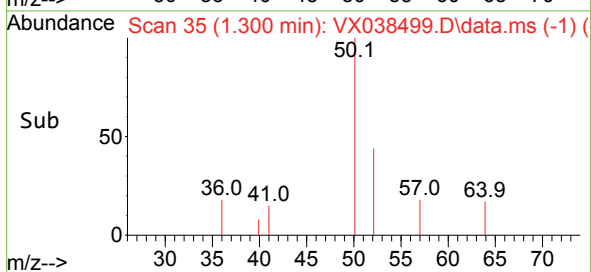
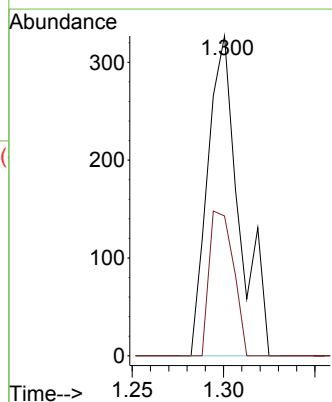
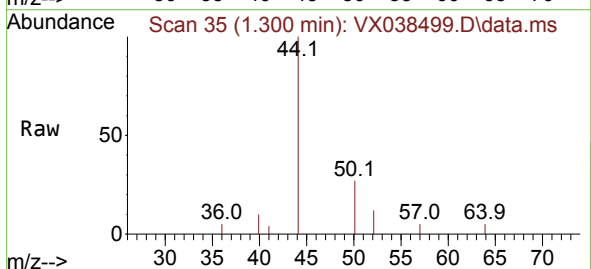
Instrument :
MSVOA_X
ClientSampleId :

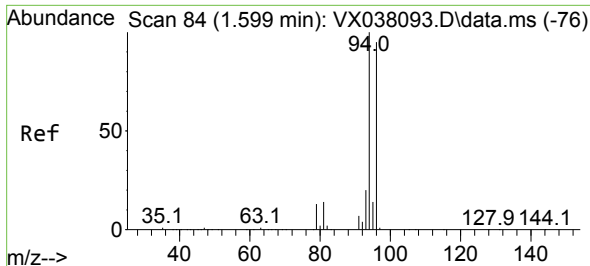
Tgt Ion:168 Resp: 186578
Ion Ratio Lower Upper
168 100
99 55.6 56.6 85.0#



#3
Chloromethane
Concen: 0.213 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.001 min
Lab File: VX038499.D
Acq: 26 Oct 2023 05:34

Tgt Ion: 50 Resp: 391
Ion Ratio Lower Upper
50 100
52 43.7 25.5 38.3#

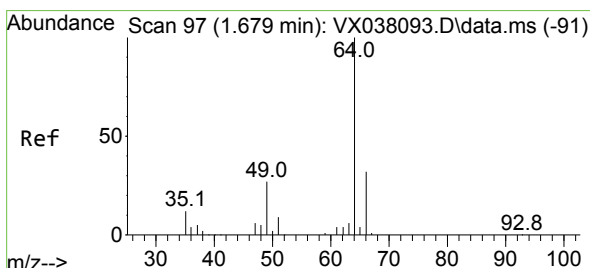
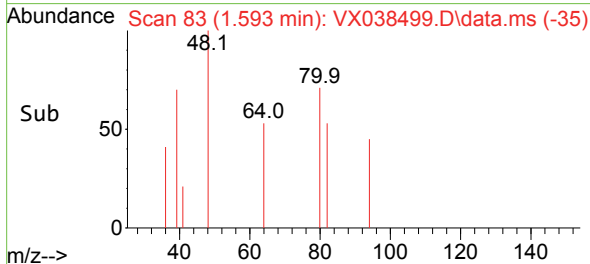
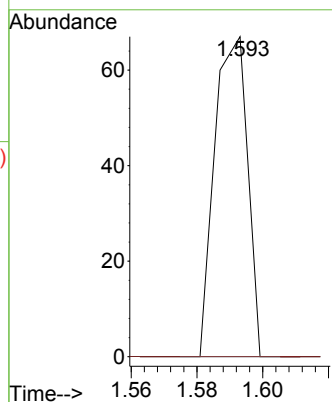
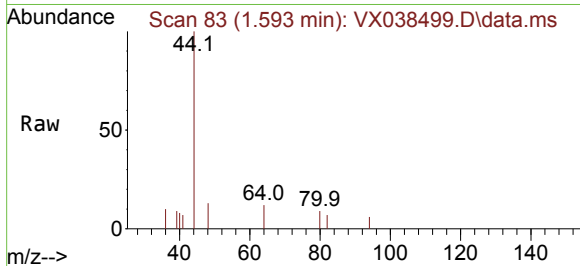




#5
Bromomethane
Concen: Below Cal
RT: 1.593 min Scan# 84
Delta R.T. -0.006 min
Lab File: VX038499.D
Acq: 26 Oct 2023 05:34

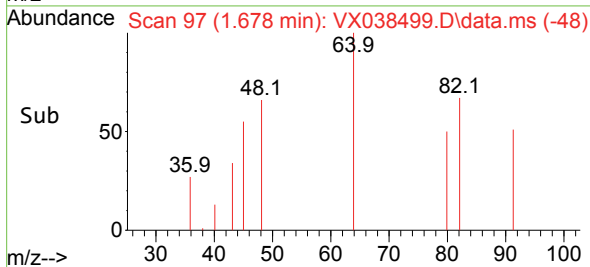
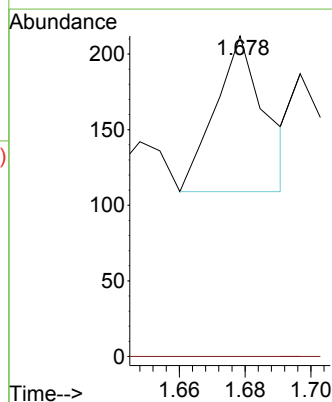
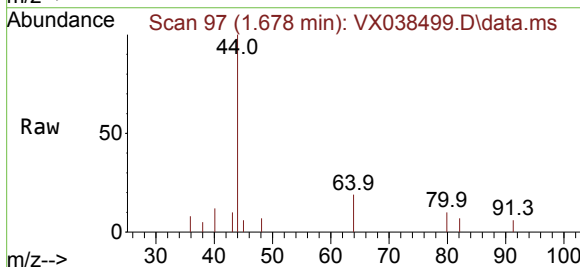
Instrument :
MSVOA_X
ClientSampleId :

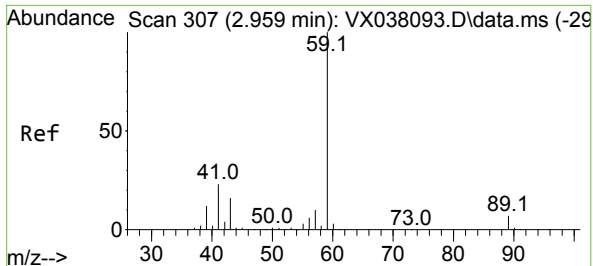
Tgt Ion: 94 Resp: 46
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.678 min Scan# 97
Delta R.T. -0.001 min
Lab File: VX038499.D
Acq: 26 Oct 2023 05:34

Tgt Ion: 64 Resp: 108
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 307

Delta R.T. -0.006 min

Lab File: VX038499.D

Acq: 26 Oct 2023 05:34

Instrument :

MSVOA_X

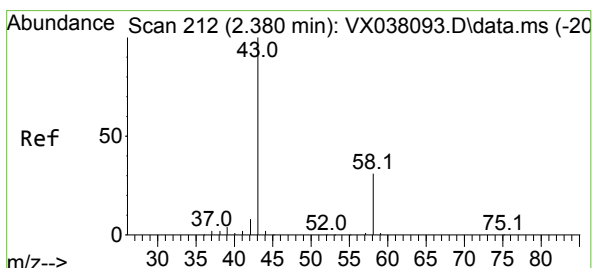
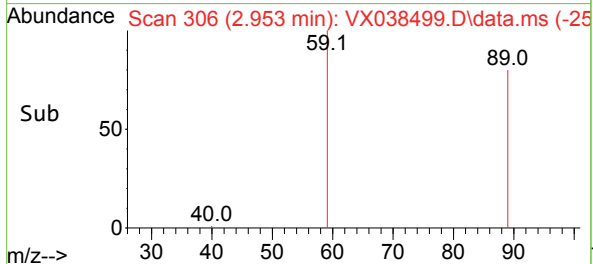
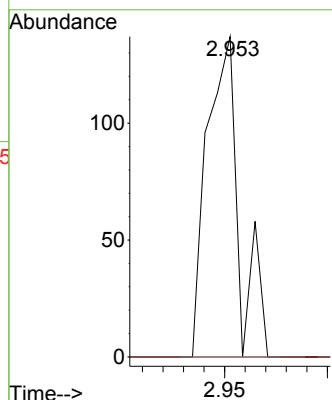
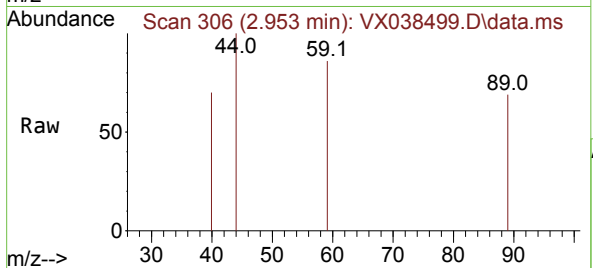
ClientSampleId :

Tgt Ion: 59 Resp: 148

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 2.505 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX038499.D

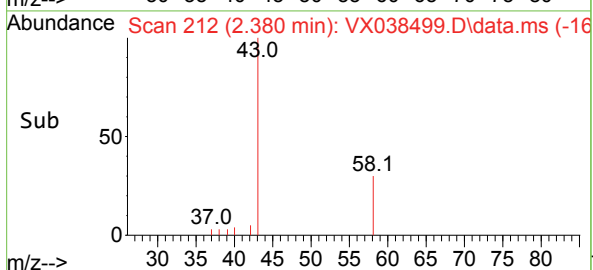
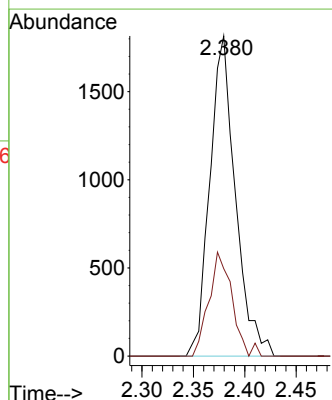
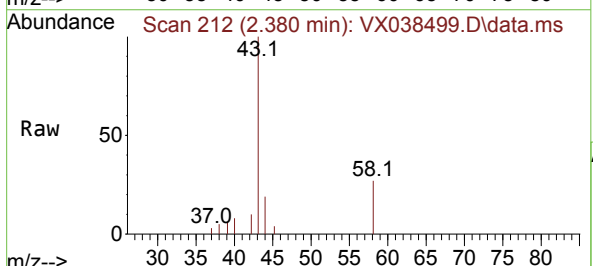
Acq: 26 Oct 2023 05:34

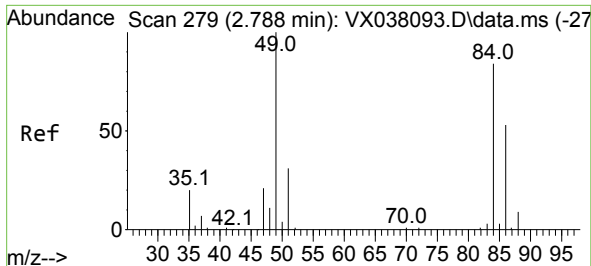
Tgt Ion: 43 Resp: 3137

Ion Ratio Lower Upper

43 100

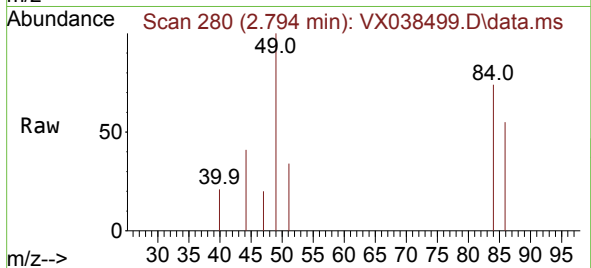
58 27.3 21.9 32.9





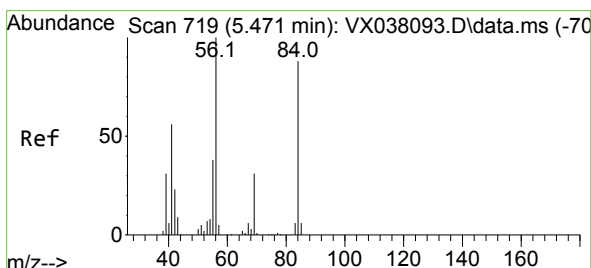
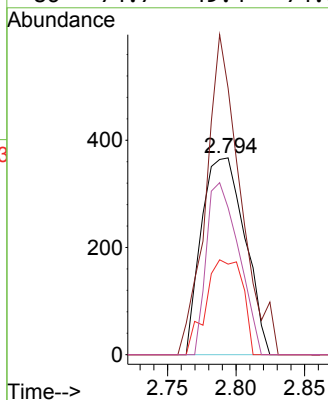
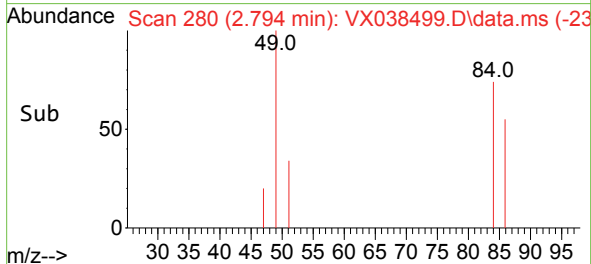
#20
Methylene Chloride
Concen: 0.343 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038499.D
Acq: 26 Oct 2023 05:34

Instrument :
MSVOA_X
ClientSampleId :

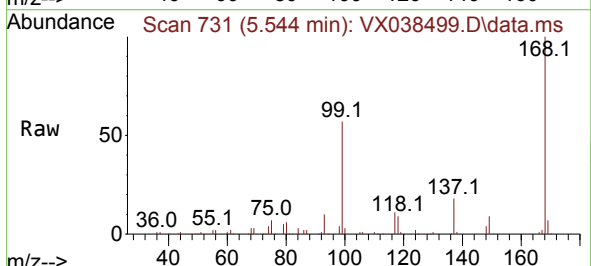


Tgt Ion: 84 Resp: 809

Ion	Ratio	Lower	Upper
84	100		
49	135.4	103.6	155.4
51	46.0	33.8	50.6
86	74.7	49.4	74.0#

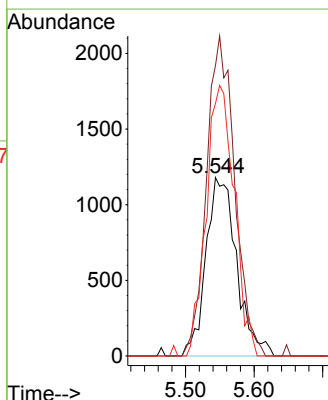
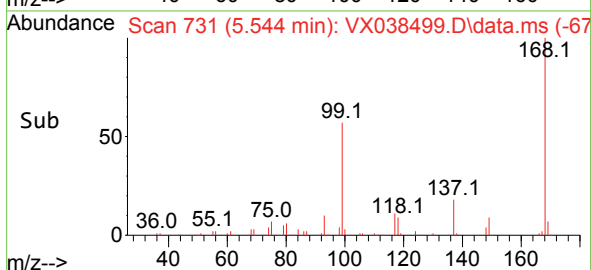


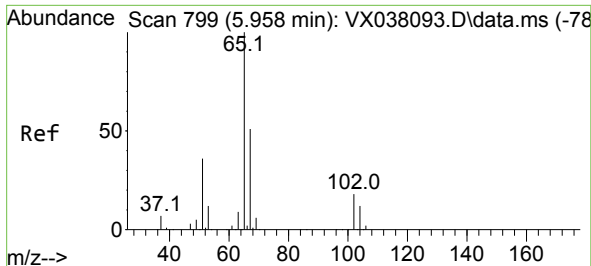
#31
Cyclohexane
Concen: 1.128 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX038499.D
Acq: 26 Oct 2023 05:34



Tgt Ion: 56 Resp: 3667

Ion	Ratio	Lower	Upper
56	100		
69	162.8	23.4	35.2#
84	141.6	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 38.344 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038499.D

Acq: 26 Oct 2023 05:34

Instrument :

MSVOA_X

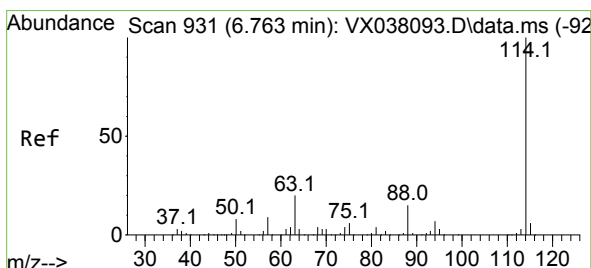
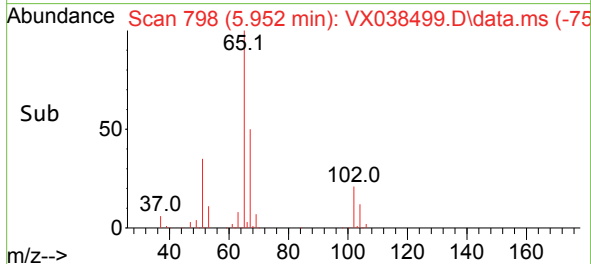
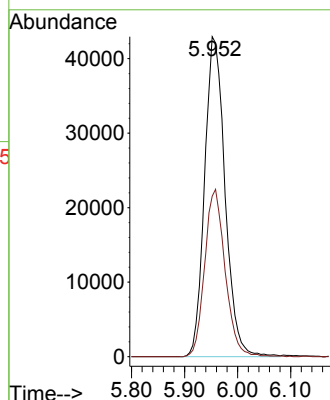
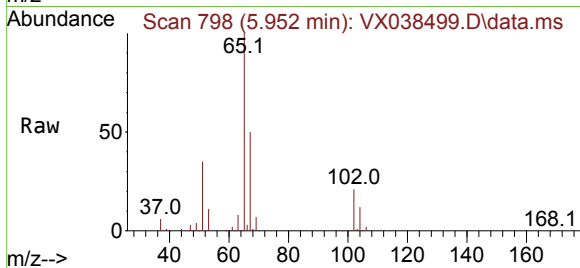
ClientSampleId :

Tgt Ion: 65 Resp: 115070

Ion Ratio Lower Upper

65 100

67 52.3 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: VX038499.D

Acq: 26 Oct 2023 05:34

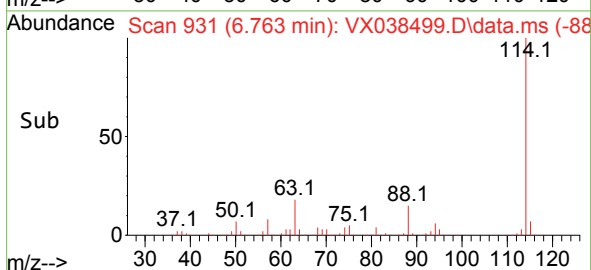
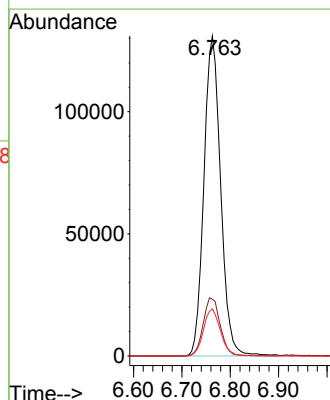
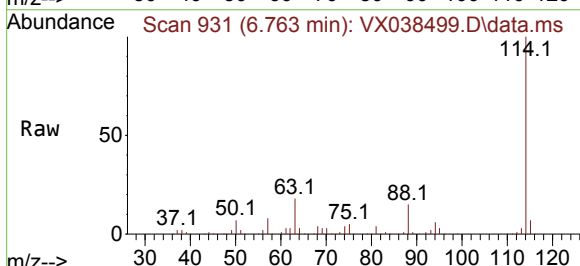
Tgt Ion: 114 Resp: 315146

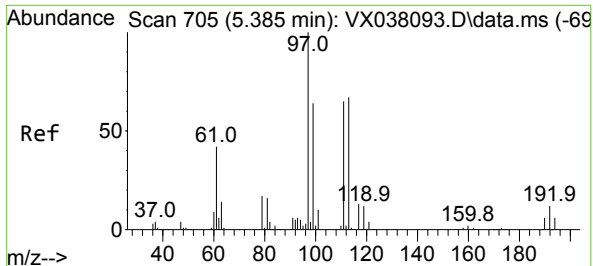
Ion Ratio Lower Upper

114 100

63 17.8 0.0 45.0

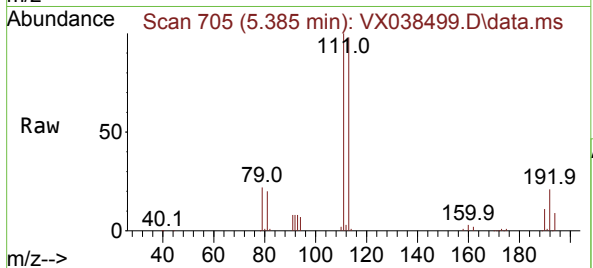
88 14.7 0.0 36.6



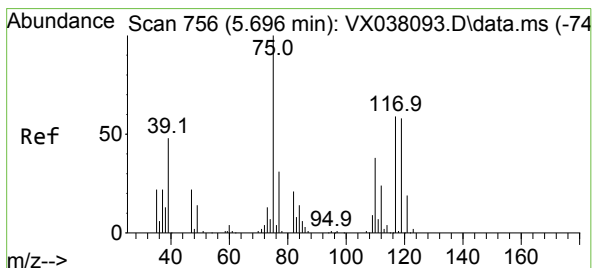
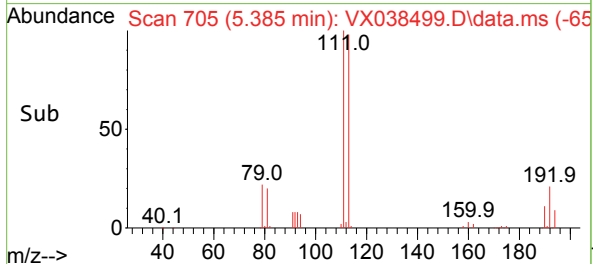
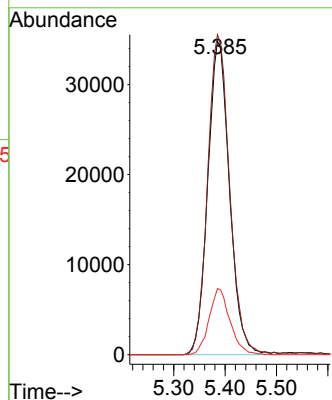


#35
Dibromofluoromethane
Concen: 44.964 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038499.D
Acq: 26 Oct 2023 05:34

Instrument :
MSVOA_X
ClientSampleId :

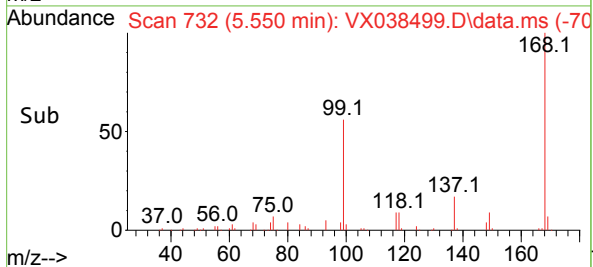
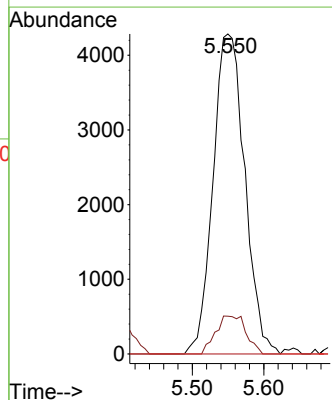
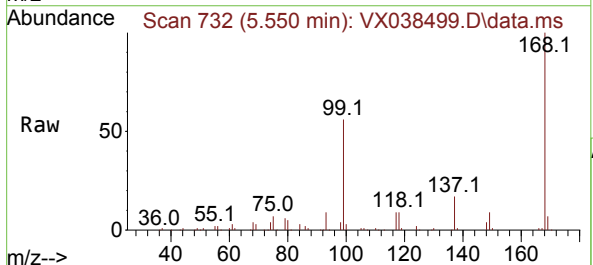


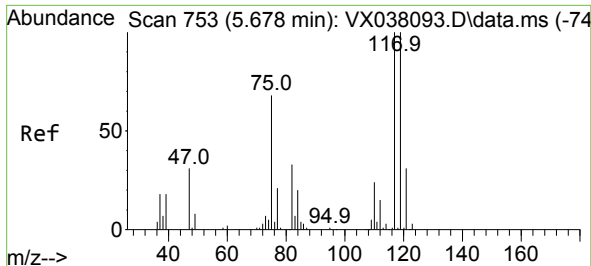
Tgt Ion:113 Resp: 102106
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 20.3 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.211 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038499.D
Acq: 26 Oct 2023 05:34

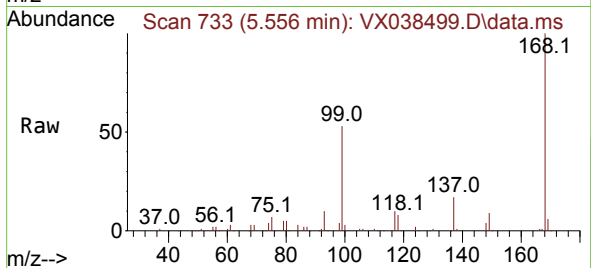
Tgt Ion: 75 Resp: 13185
Ion Ratio Lower Upper
75 100
110 11.3 17.0 50.9#
77 0.0 24.7 37.1#



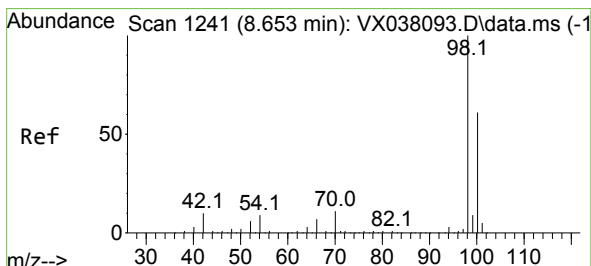
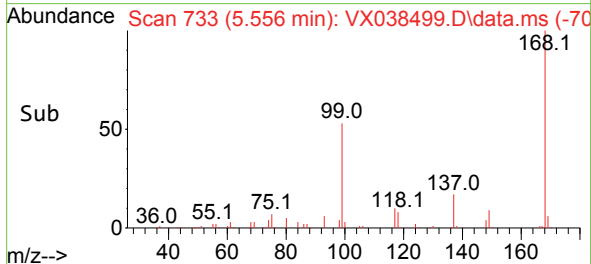
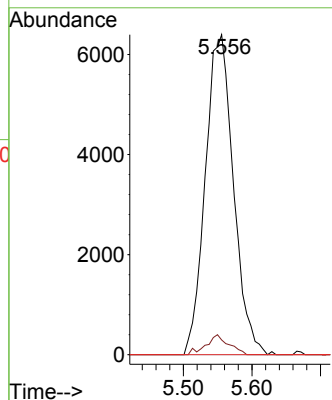


#38
Carbon Tetrachloride
Concen: 5.926 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX038499.D
Acq: 26 Oct 2023 05:34

Instrument :
MSVOA_X
ClientSampleId :

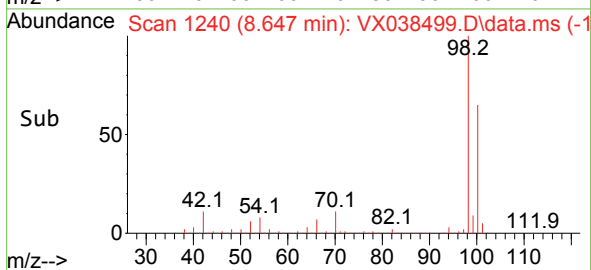
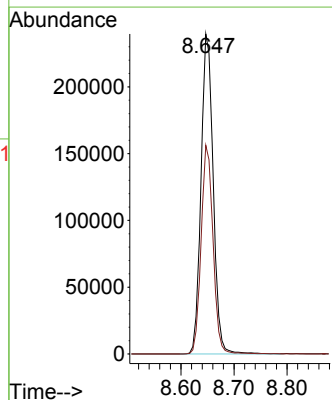
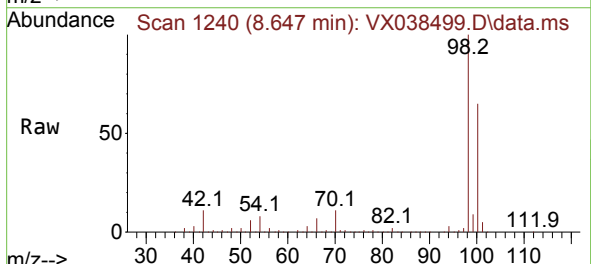


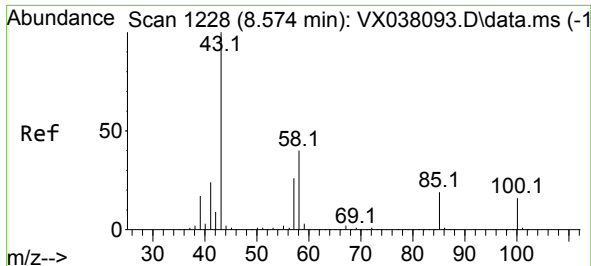
Tgt Ion:117 Resp: 18254
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 44.060 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038499.D
Acq: 26 Oct 2023 05:34

Tgt Ion: 98 Resp: 382326
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7

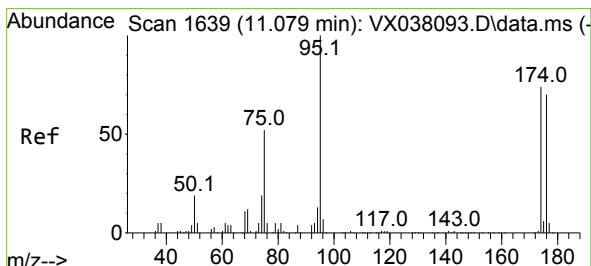
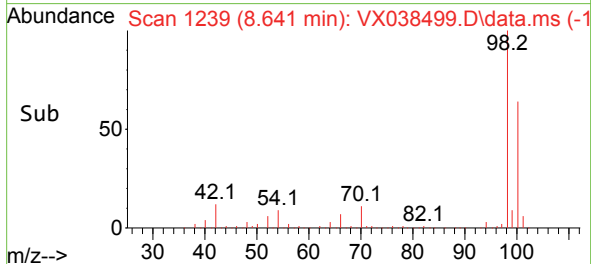
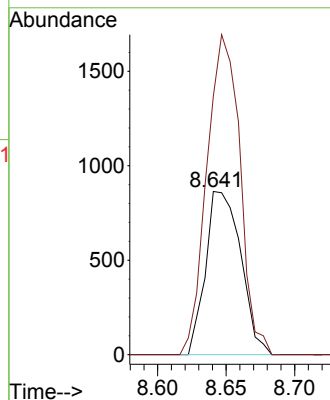
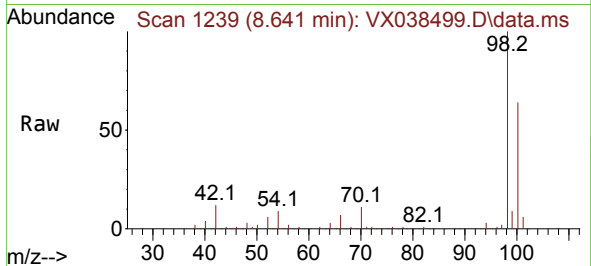




#51
4-Methyl-2-Pentanone
Concen: 0.403 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX038499.D
Acq: 26 Oct 2023 05:34

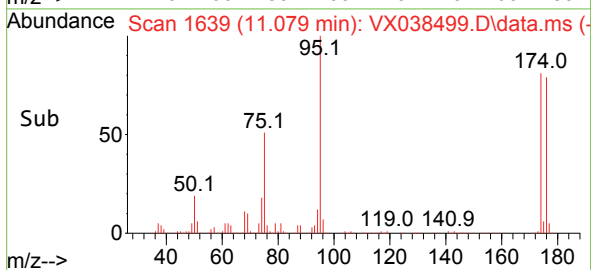
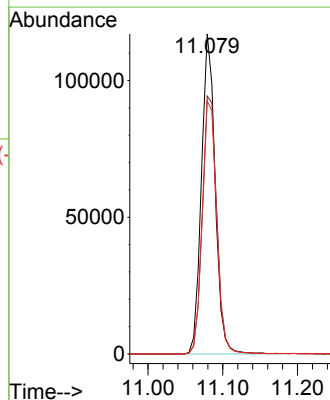
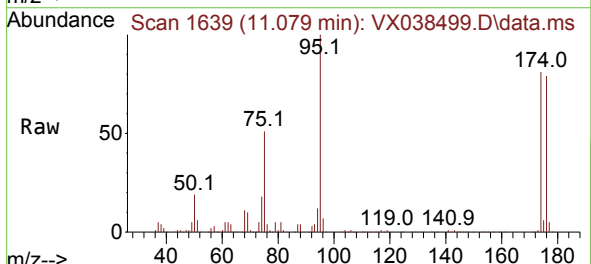
Instrument :
MSVOA_X
ClientSampleId :

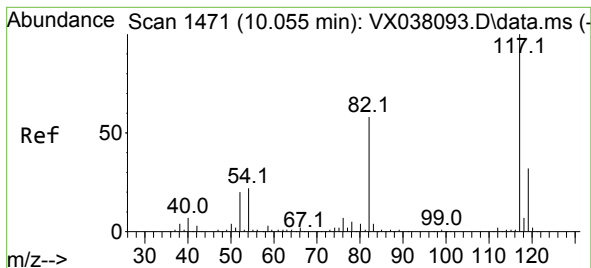
Tgt Ion: 43 Resp: 1544
Ion Ratio Lower Upper
43 100
58 184.8 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 45.392 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038499.D
Acq: 26 Oct 2023 05:34

Tgt Ion: 95 Resp: 149324
Ion Ratio Lower Upper
95 100
174 85.1 0.0 135.6
176 83.2 0.0 131.0

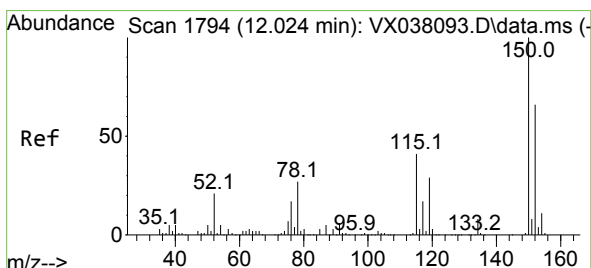
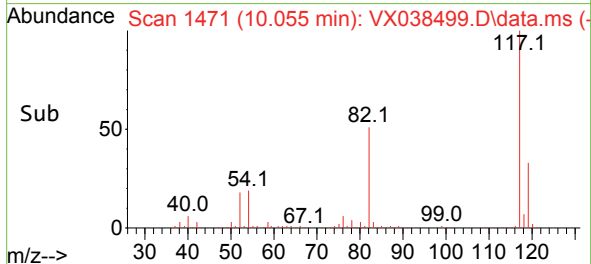
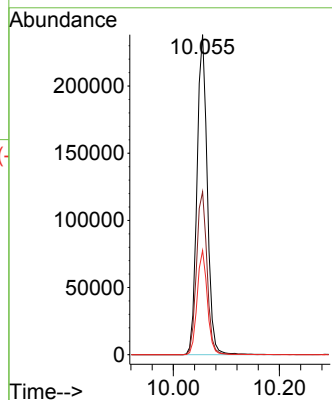
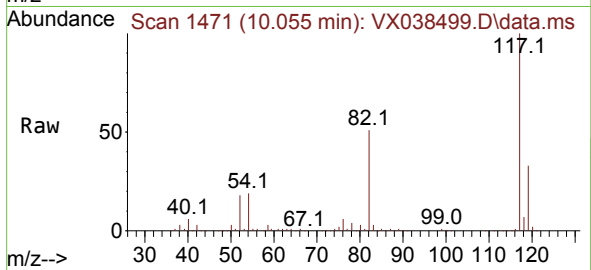




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038499.D
Acq: 26 Oct 2023 05:34

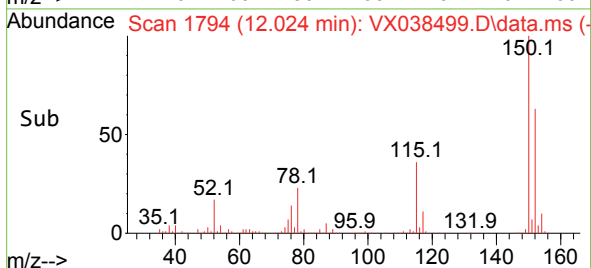
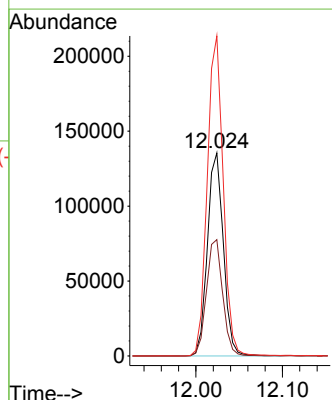
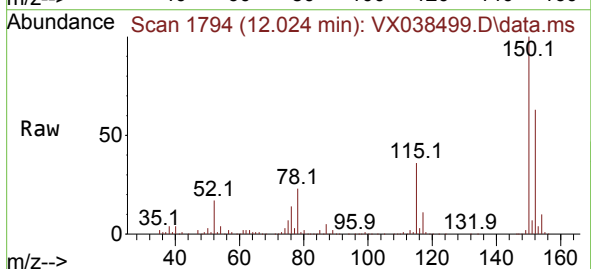
Instrument :
MSVOA_X
ClientSampleId :

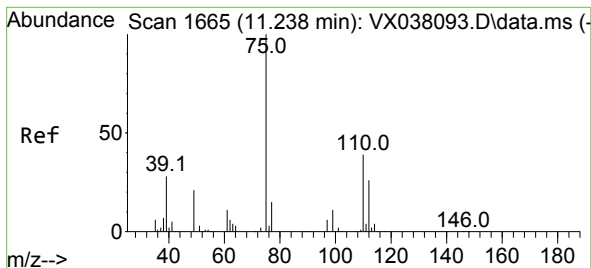
Tgt Ion:117 Resp: 319390
Ion Ratio Lower Upper
117 100
82 50.9 46.2 69.4
119 32.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038499.D
Acq: 26 Oct 2023 05:34

Tgt Ion:152 Resp: 173194
Ion Ratio Lower Upper
152 100
115 58.5 43.3 129.9
150 158.1 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 19.389 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038499.D

Acq: 26 Oct 2023 05:34

Instrument :

MSVOA_X

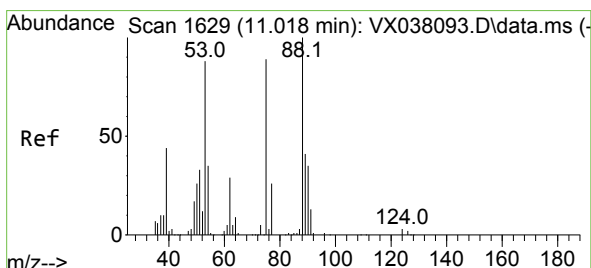
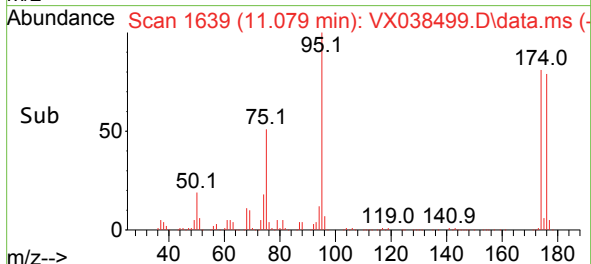
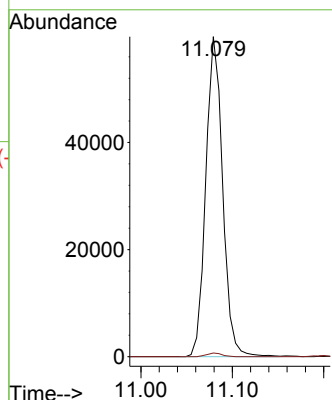
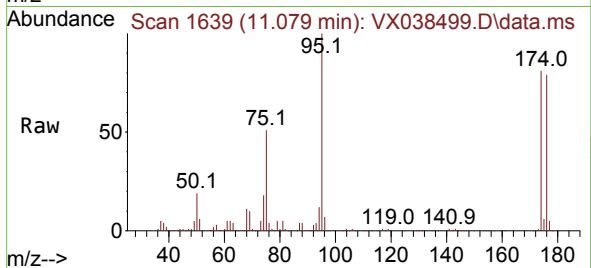
ClientSampleId :

Tgt Ion: 75 Resp: 76343

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.082 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038499.D

Acq: 26 Oct 2023 05:34

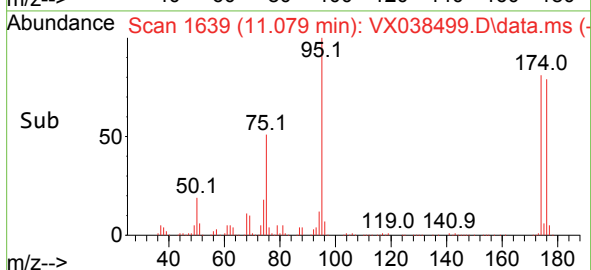
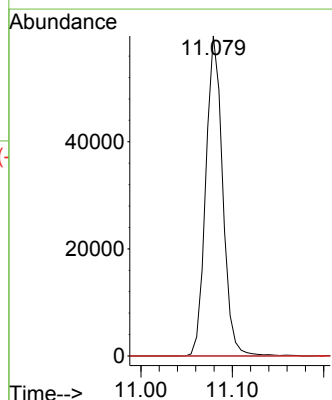
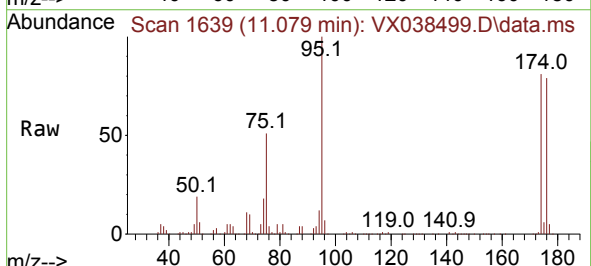
Tgt Ion: 75 Resp: 76343

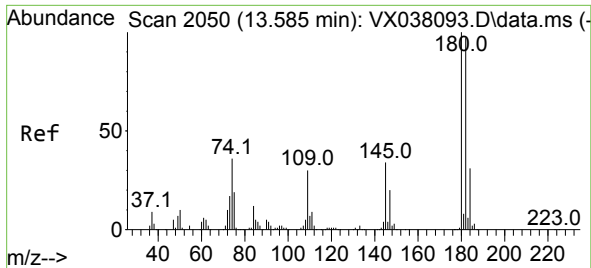
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

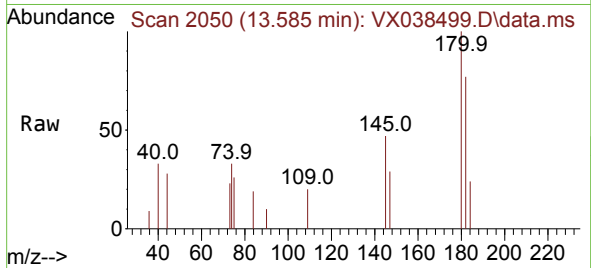
89 0.0 36.9 55.3#





#93
 1,2,4-Trichlorobenzene
 Concen: 0.260 ug/l
 RT: 13.585 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VX038499.D
 Acq: 26 Oct 2023 05:34

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.1	48.3	144.8
145	34.7	18.0	54.0

