

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102723\
 Data File : VX038606.D
 Acq On : 27 Oct 2023 16:36
 Operator : JC/MD
 Sample : 05102-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 30 01:32:31 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)

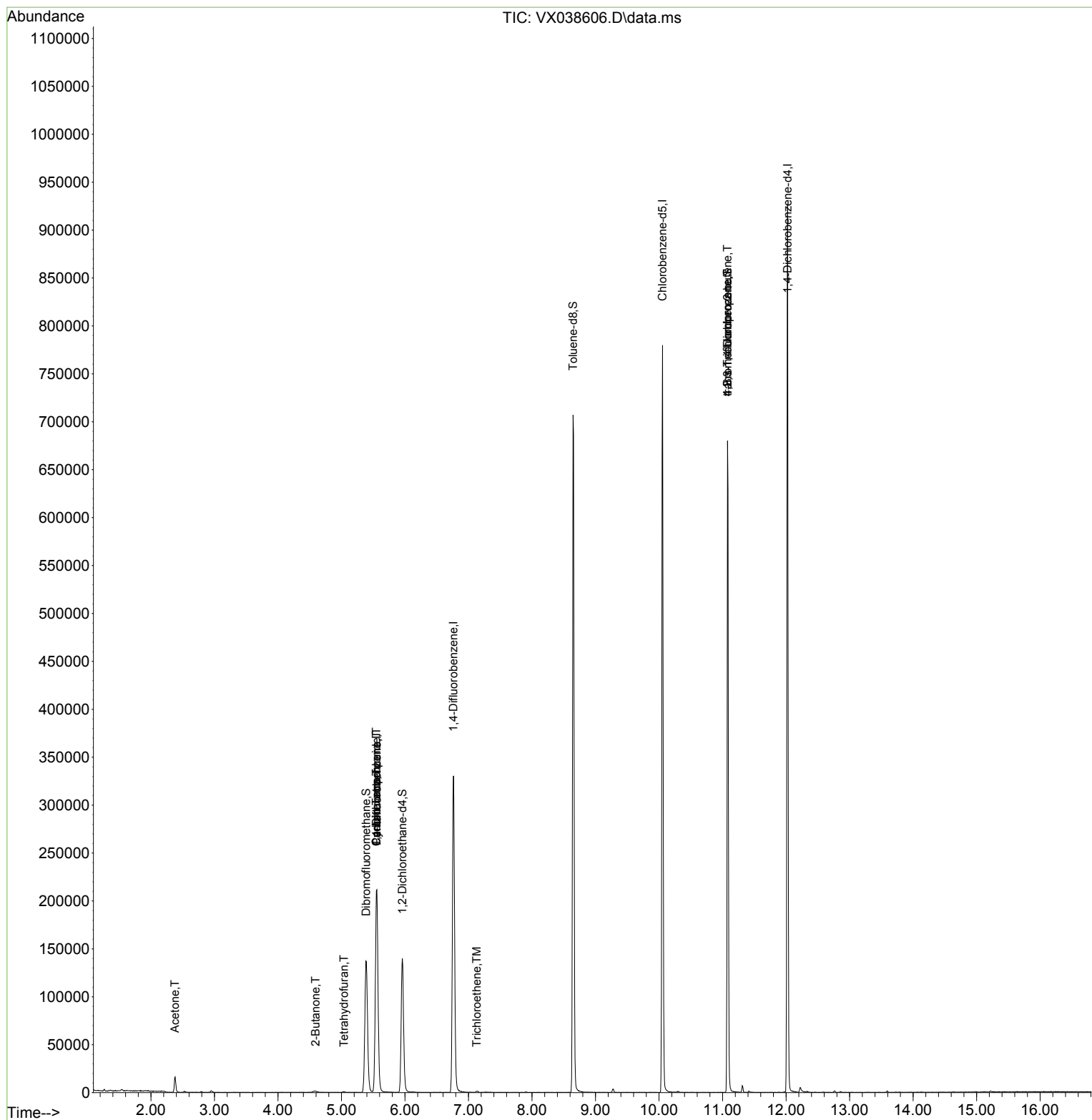
Internal Standards						
1) Pentafluorobenzene	5.556	168	213018	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	356310	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	366649	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	201931	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	136162	39.741	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	79.480%
35) Dibromofluoromethane	5.385	113	121689	47.397	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.800%
50) Toluene-d8	8.646	98	443128	45.167	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.340%#
62) 4-Bromofluorobenzene	11.079	95	179431	48.242	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.480%
Target Compounds						
					Qvalue	
5) Bromomethane	1.660	94	19	Below Cal	#	3
6) Chloroethane	1.709	64	114	Below Cal	#	43
11) Tert butyl alcohol	2.952	59	1674	Below Cal		99
16) Acetone	2.379	43	17135	11.983	ug/l	91
25) 2-Butanone	4.592	43	1303	0.565	ug/l	# 86
29) Tetrahydrofuran	5.037	42	555	0.369	ug/l	92
31) Cyclohexane	5.549	56	4168	1.123	ug/l	# 1
36) 1,1-Dichloropropene	5.549	75	15412	4.353	ug/l	# 51
38) Carbon Tetrachloride	5.549	117	20454	5.873	ug/l	# 15
44) Trichloroethene	7.128	130	683	0.264	ug/l	73
76) 1,2,3-Trichloropropane	11.079	75	92139	20.071	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	92139	57.912	ug/l	# 5

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

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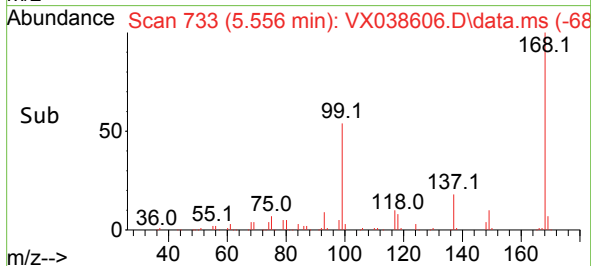
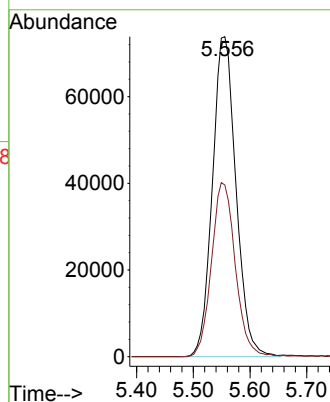
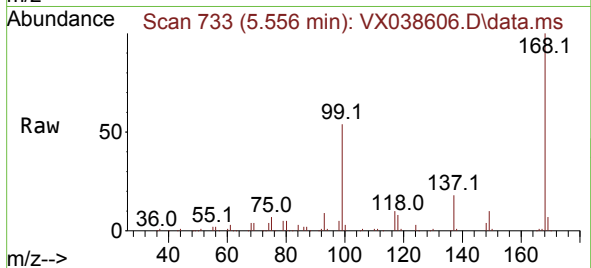




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038606.D
Acq: 27 Oct 2023 16:36

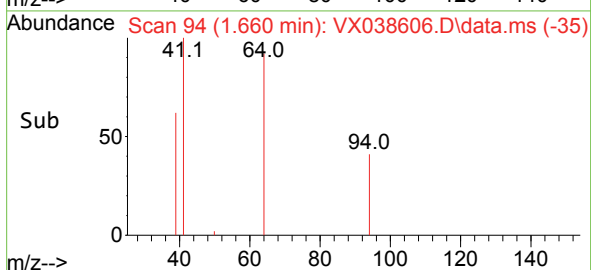
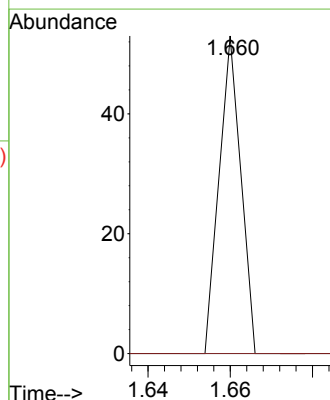
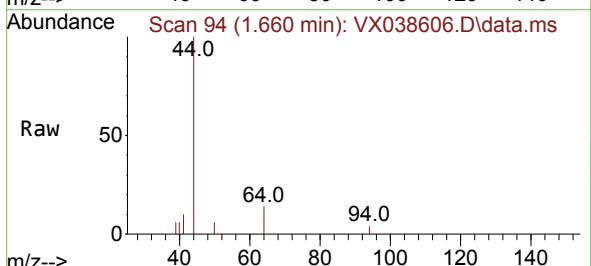
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:168 Resp: 213018
Ion Ratio Lower Upper
168 100
99 53.6 56.6 85.0#



#5
Bromomethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. 0.061 min
Lab File: VX038606.D
Acq: 27 Oct 2023 16:36

Tgt Ion: 94 Resp: 19
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

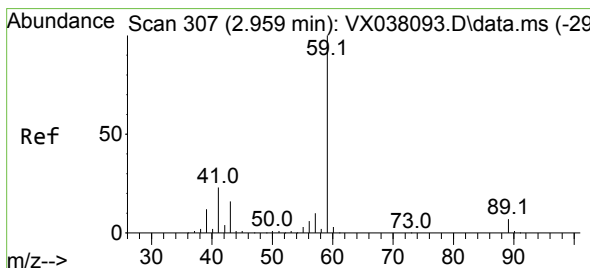
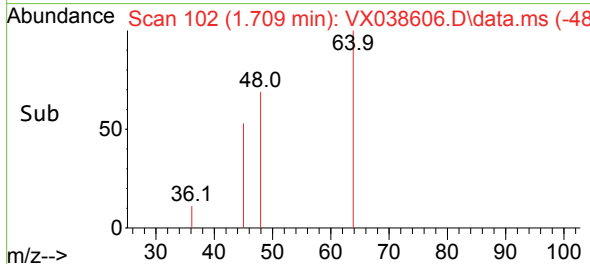
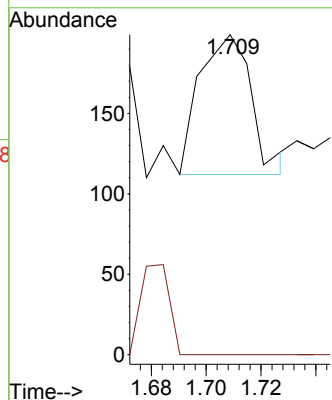
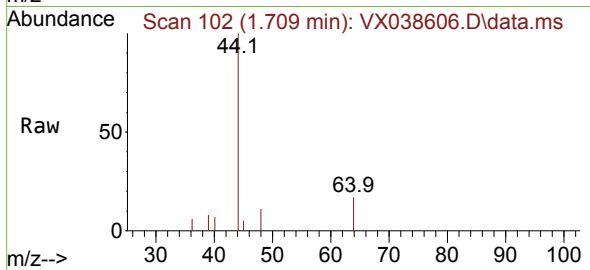




#6
Chloroethane
Concen: Below Cal
RT: 1.709 min Scan# 102
Delta R.T. 0.030 min
Lab File: VX038606.D
Acq: 27 Oct 2023 16:36

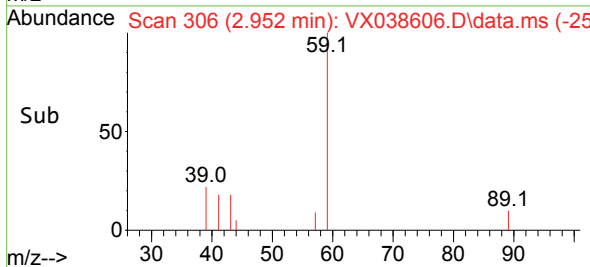
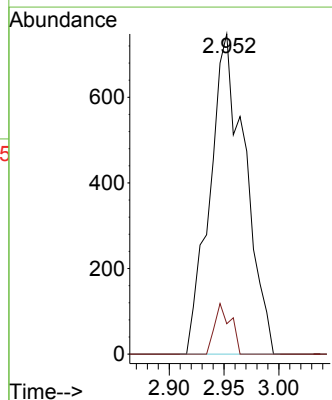
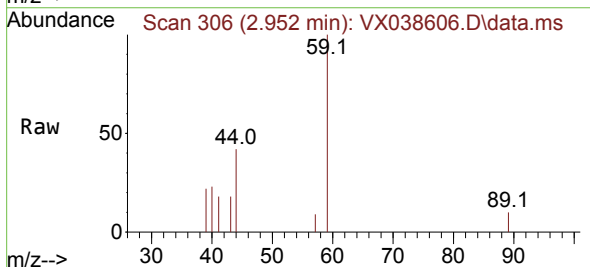
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 64 Resp: 114
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.952 min Scan# 306
Delta R.T. -0.007 min
Lab File: VX038606.D
Acq: 27 Oct 2023 16:36

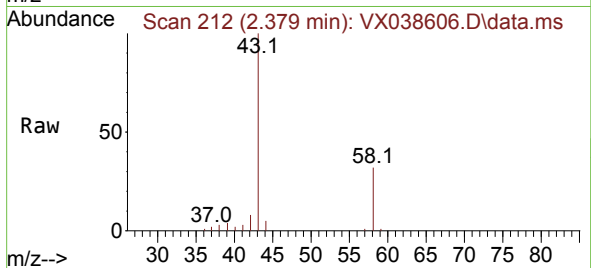
Tgt Ion: 59 Resp: 1674
Ion Ratio Lower Upper
59 100
57 7.2 6.0 9.0



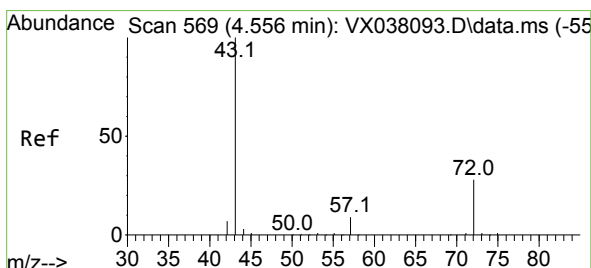
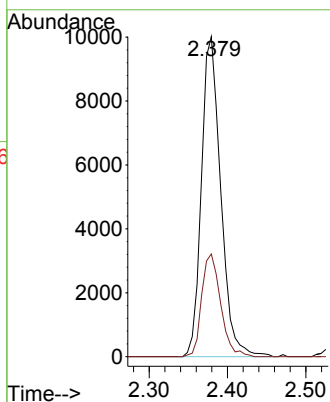
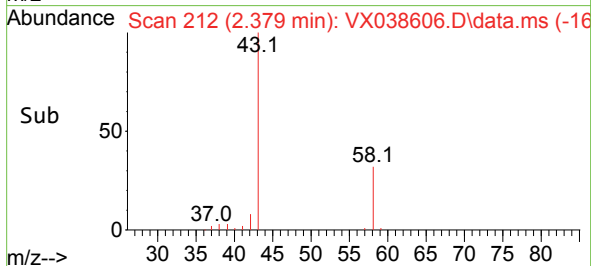


#16
Acetone
Concen: 11.983 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX038606.D
Acq: 27 Oct 2023 16:36

Instrument :
MSVOA_X
ClientSampleId :

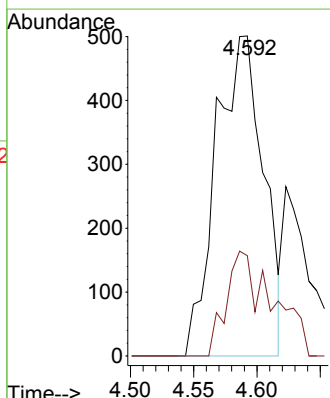
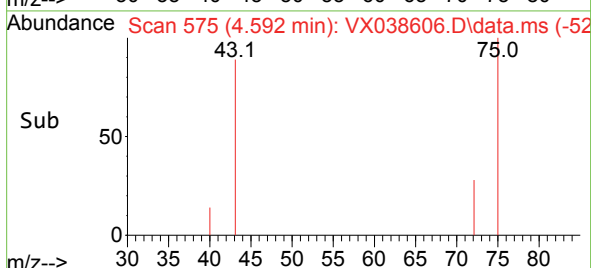
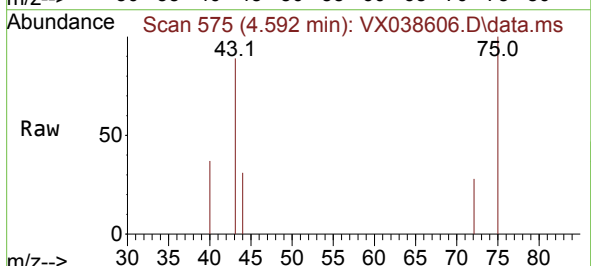


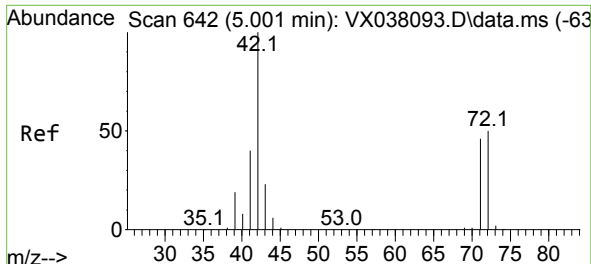
Tgt Ion: 43 Resp: 17135
Ion Ratio Lower Upper
43 100
58 32.1 21.9 32.9



#25
2-Butanone
Concen: 0.565 ug/l
RT: 4.592 min Scan# 575
Delta R.T. 0.036 min
Lab File: VX038606.D
Acq: 27 Oct 2023 16:36

Tgt Ion: 43 Resp: 1303
Ion Ratio Lower Upper
43 100
72 31.3 19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.369 ug/l

RT: 5.037 min Scan# 64

Delta R.T. 0.036 min

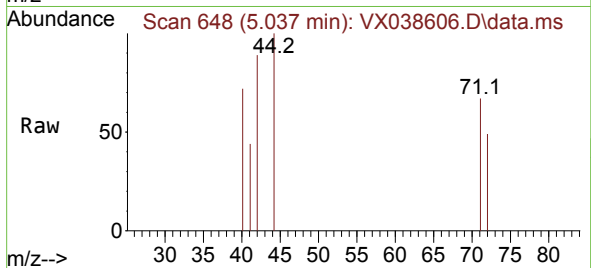
Lab File: VX038606.D

Acq: 27 Oct 2023 16:36

Instrument :

MSVOA_X

ClientSampleId :



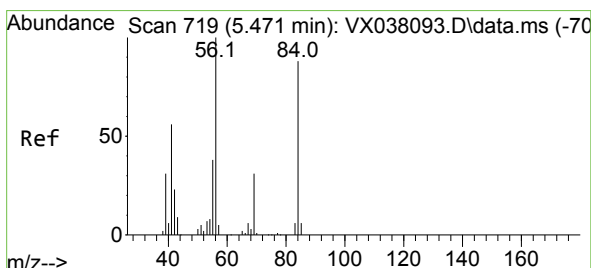
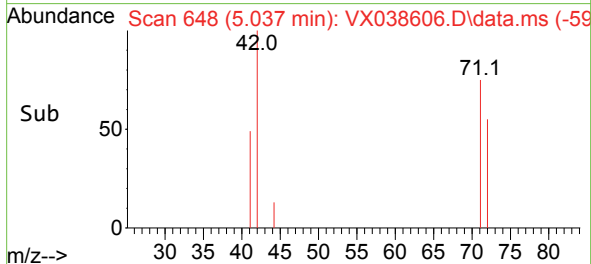
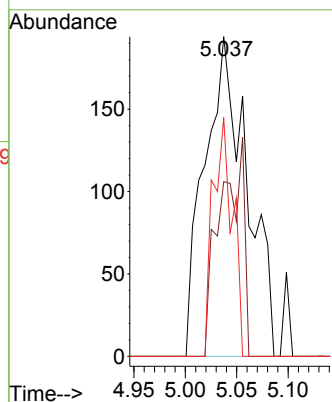
Tgt Ion: 42 Resp: 555

Ion Ratio Lower Upper

42 100

72 38.0 34.2 51.4

71 34.4 32.2 48.2



#31

Cyclohexane

Concen: 1.123 ug/l

RT: 5.549 min Scan# 732

Delta R.T. 0.078 min

Lab File: VX038606.D

Acq: 27 Oct 2023 16:36

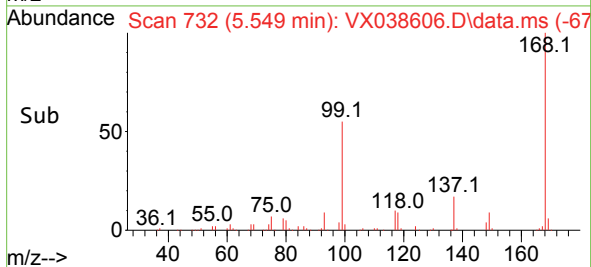
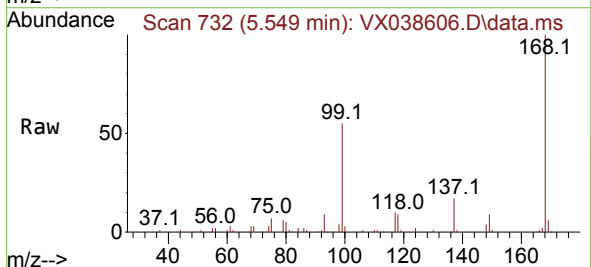
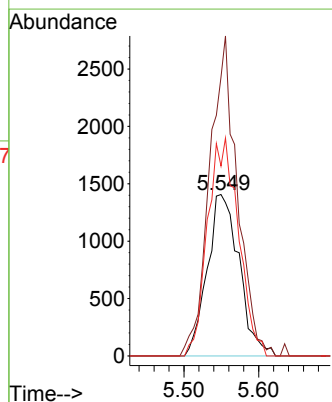
Tgt Ion: 56 Resp: 4168

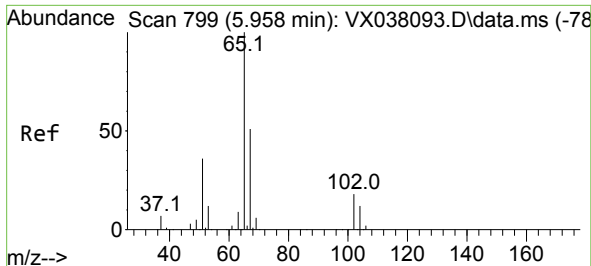
Ion Ratio Lower Upper

56 100

69 172.7 23.4 35.2#

84 117.6 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 39.741 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX038606.D

Acq: 27 Oct 2023 16:36

Instrument :

MSVOA_X

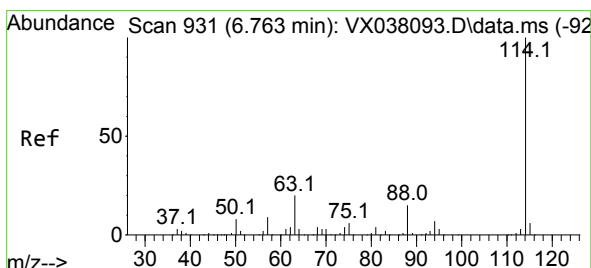
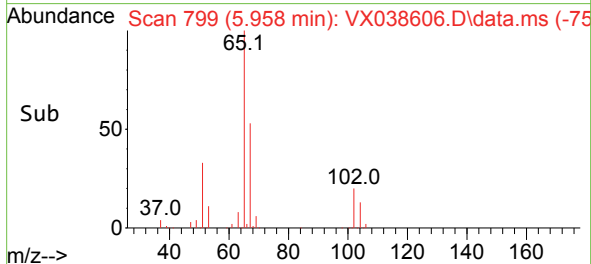
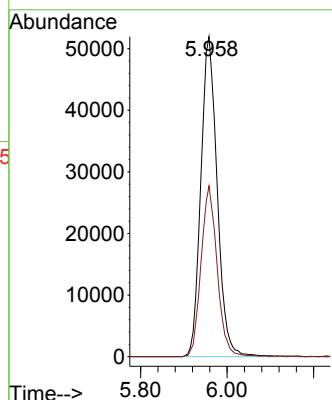
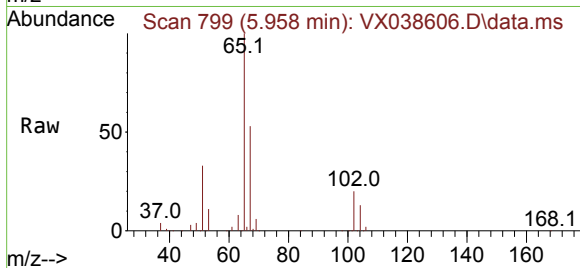
ClientSampleId :

Tgt Ion: 65 Resp: 136162

Ion Ratio Lower Upper

65 100

67 52.5 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: VX038606.D

Acq: 27 Oct 2023 16:36

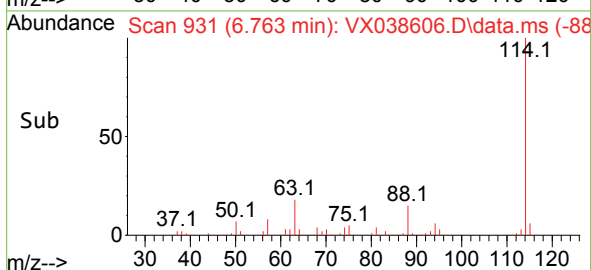
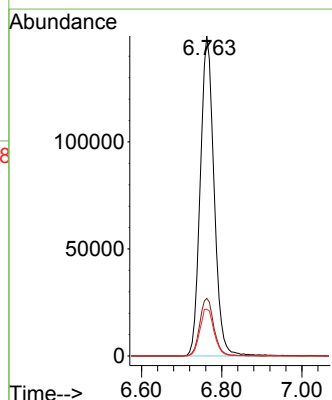
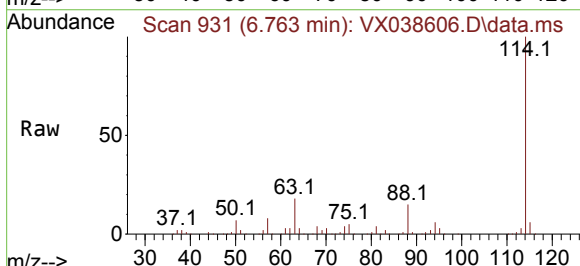
Tgt Ion: 114 Resp: 356310

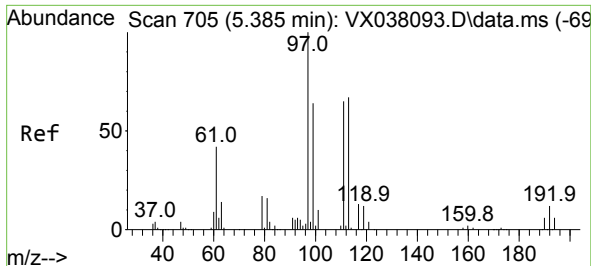
Ion Ratio Lower Upper

114 100

63 18.0 0.0 45.0

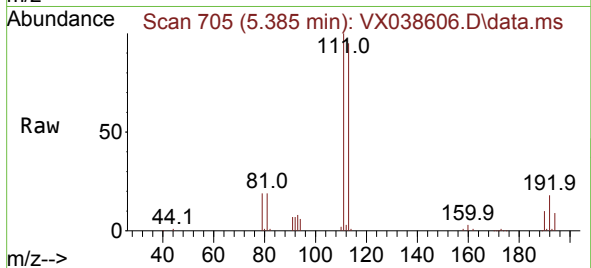
88 14.6 0.0 36.6



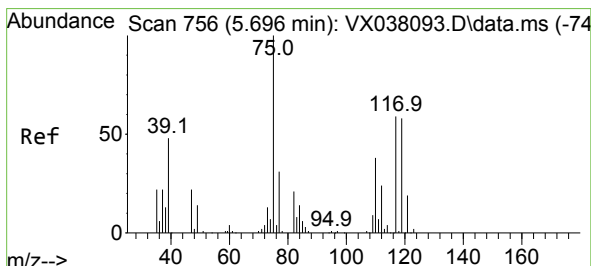
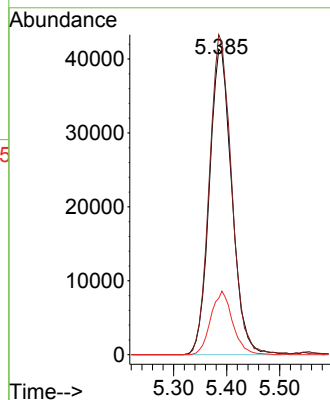
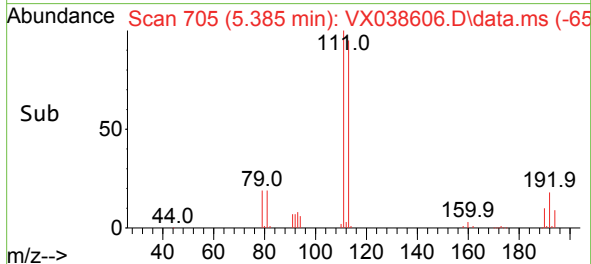


#35
 Dibromofluoromethane
 Concen: 47.397 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. -0.000 min
 Lab File: VX038606.D
 Acq: 27 Oct 2023 16:36

Instrument :
 MSVOA_X
 ClientSampleId :

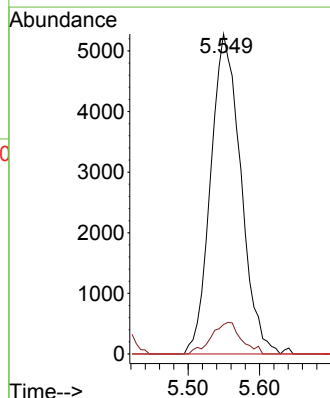
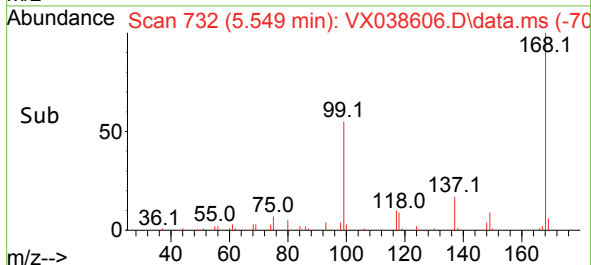
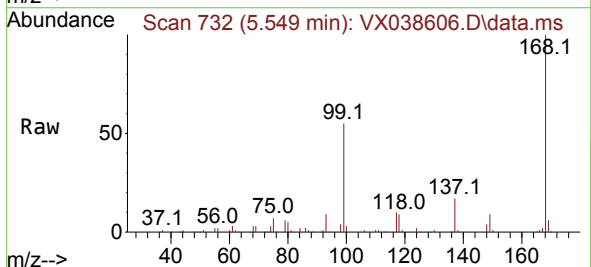


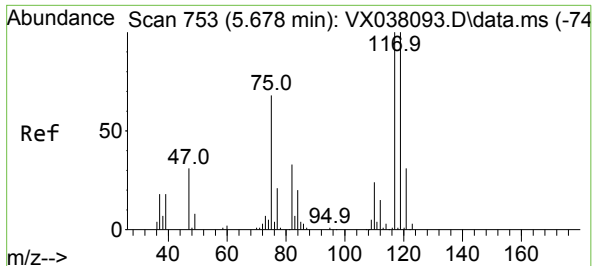
Tgt Ion:113 Resp: 121689
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.9 124.3
 192 20.1 13.3 19.9#



#36
 1,1-Dichloropropene
 Concen: 4.353 ug/l
 RT: 5.549 min Scan# 732
 Delta R.T. -0.141 min
 Lab File: VX038606.D
 Acq: 27 Oct 2023 16:36

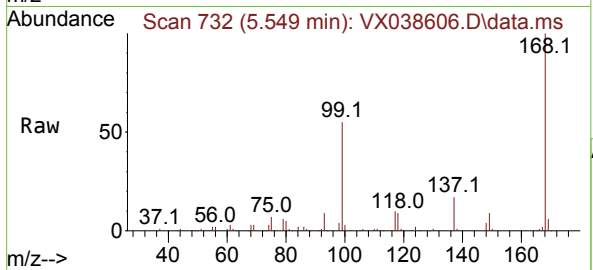
Tgt Ion: 75 Resp: 15412
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.0 50.9#
 77 0.0 24.7 37.1#



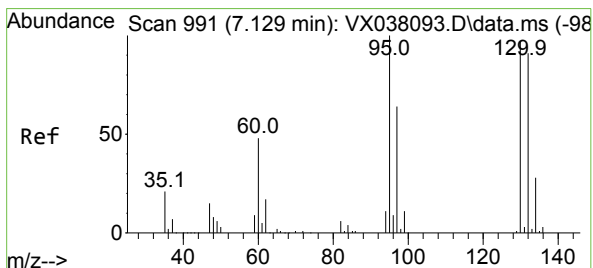
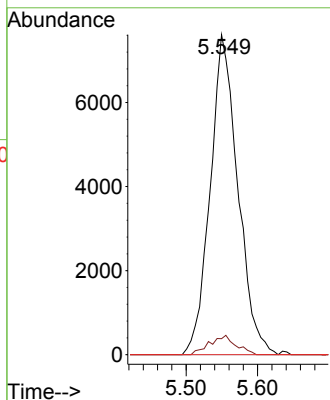
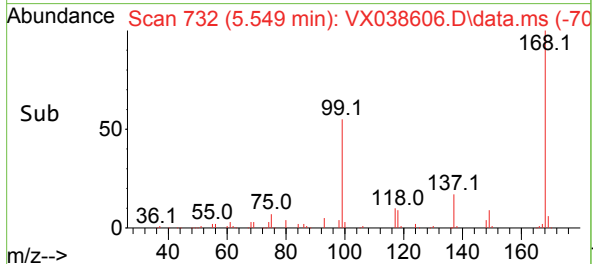


#38
Carbon Tetrachloride
Concen: 5.873 ug/l
RT: 5.549 min Scan# 711
Delta R.T. -0.129 min
Lab File: VX038606.D
Acq: 27 Oct 2023 16:36

Instrument :
MSVOA_X
ClientSampleId :

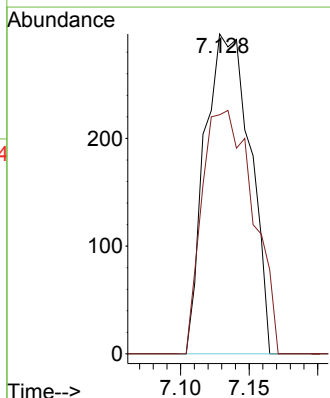
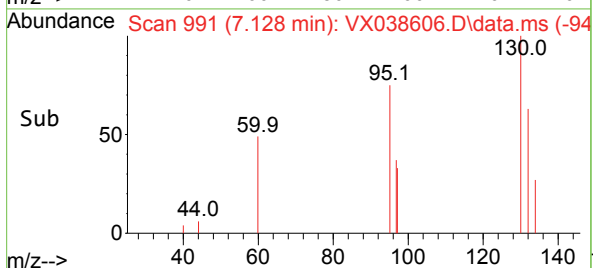
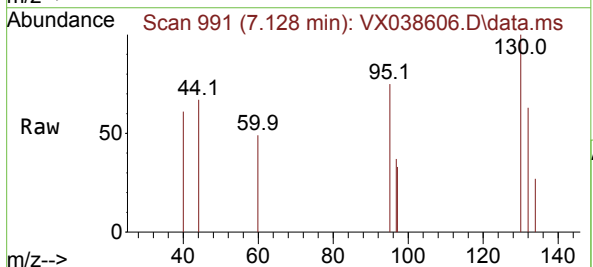


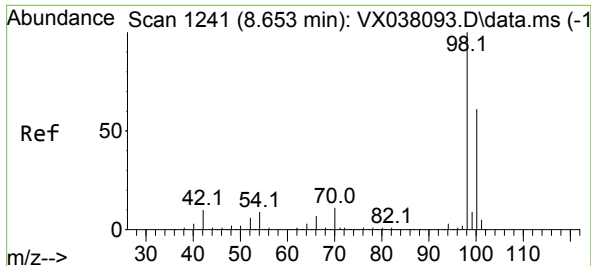
Tgt Ion:117 Resp: 20454
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 0.264 ug/l
RT: 7.128 min Scan# 991
Delta R.T. -0.001 min
Lab File: VX038606.D
Acq: 27 Oct 2023 16:36

Tgt Ion:130 Resp: 683
Ion Ratio Lower Upper
130 100
95 74.7 0.0 204.4

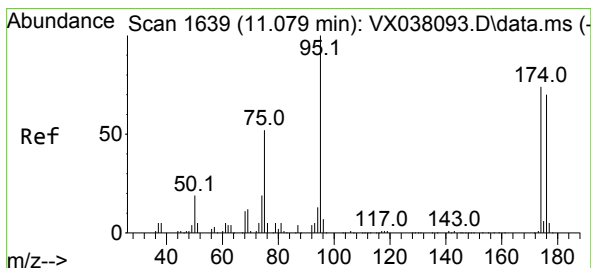
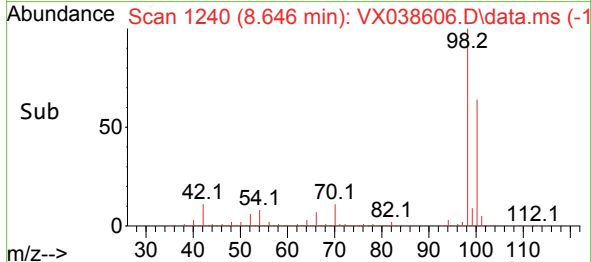
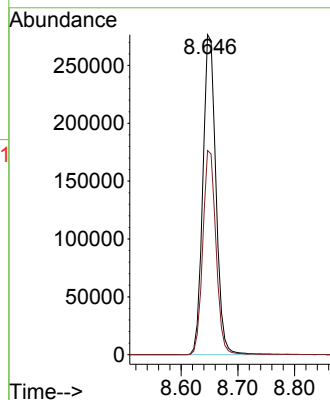
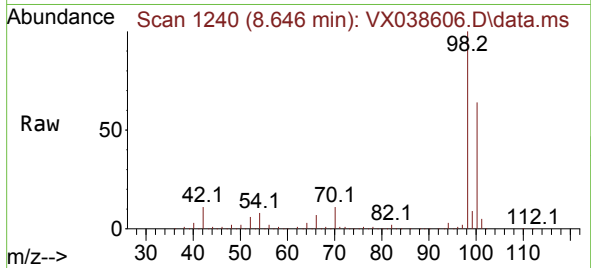




#50
Toluene-d8
Concen: 45.167 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.007 min
Lab File: VX038606.D
Acq: 27 Oct 2023 16:36

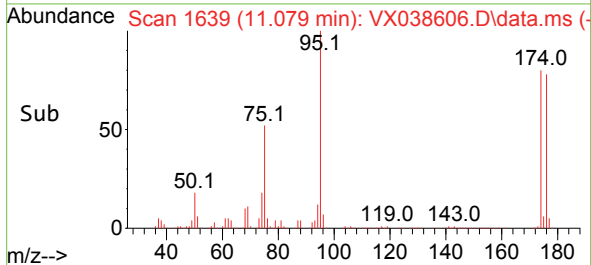
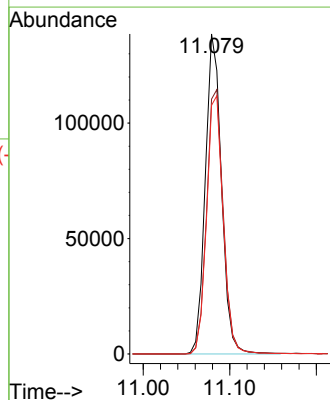
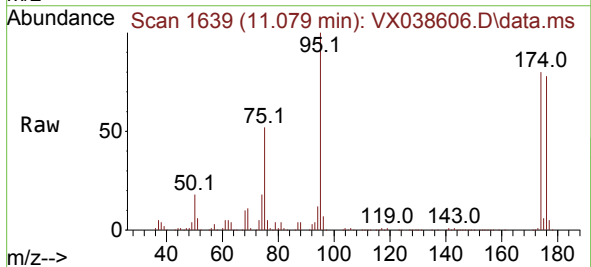
Instrument :
MSVOA_X
ClientSampleId :

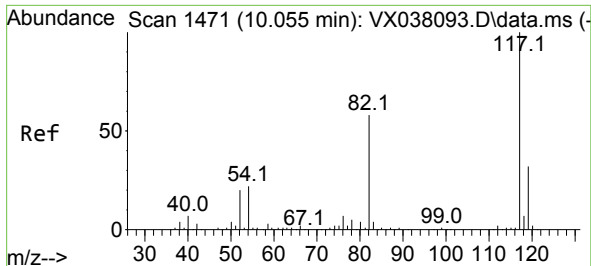
Tgt Ion: 98 Resp: 443128
Ion Ratio Lower Upper
98 100
100 64.4 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 48.242 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX038606.D
Acq: 27 Oct 2023 16:36

Tgt Ion: 95 Resp: 179431
Ion Ratio Lower Upper
95 100
174 85.6 0.0 135.6
176 83.0 0.0 131.0

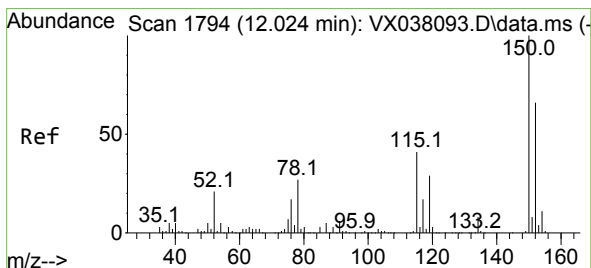
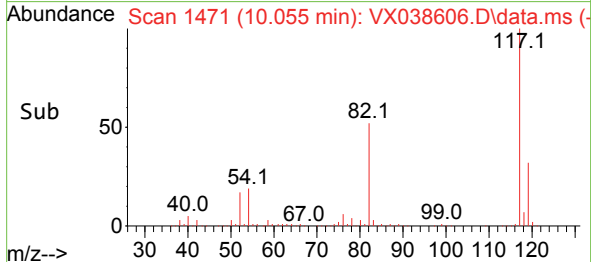
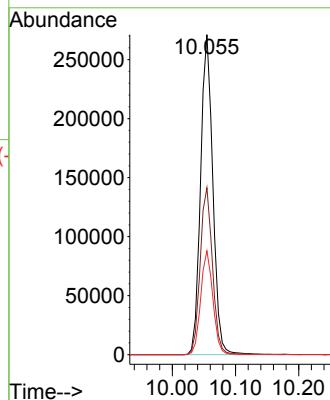
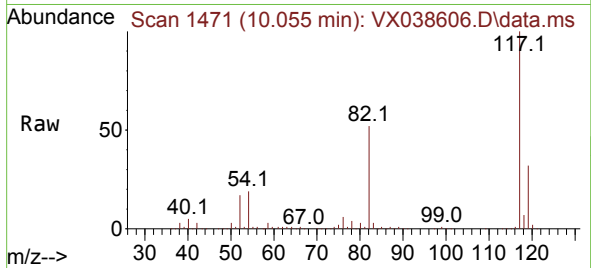




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038606.D
Acq: 27 Oct 2023 16:36

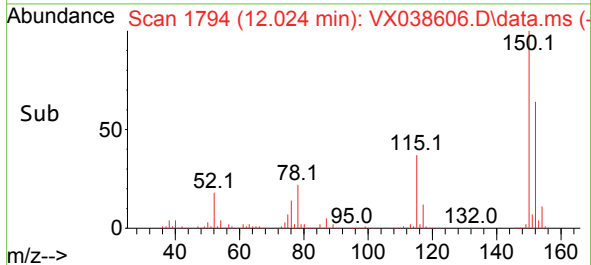
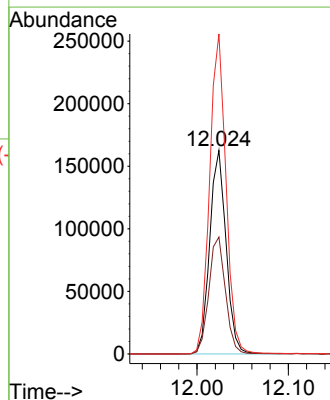
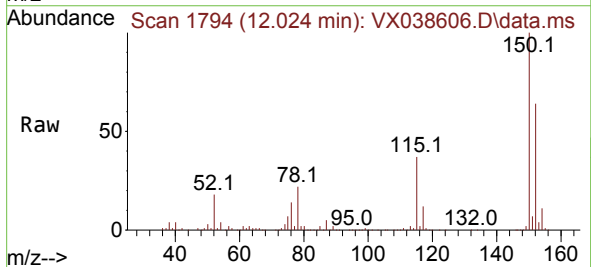
Instrument :
MSVOA_X
ClientSampleId :

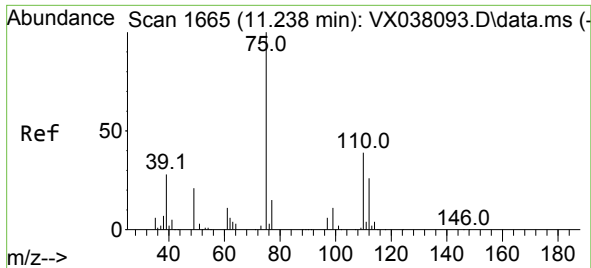
Tgt Ion:117 Resp: 366649
Ion Ratio Lower Upper
117 100
82 52.1 46.2 69.4
119 32.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX038606.D
Acq: 27 Oct 2023 16:36

Tgt Ion:152 Resp: 201931
Ion Ratio Lower Upper
152 100
115 58.5 43.3 129.9
150 156.9 0.0 345.0

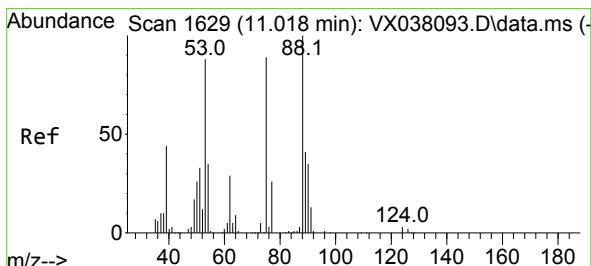
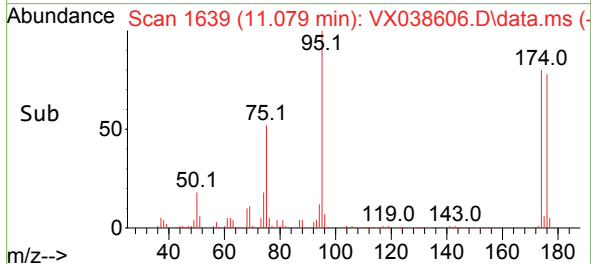
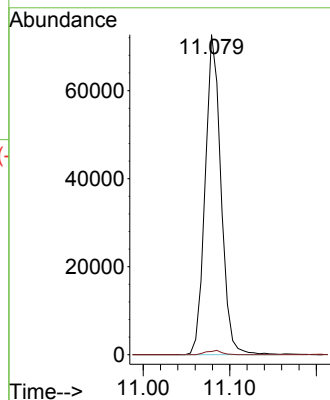
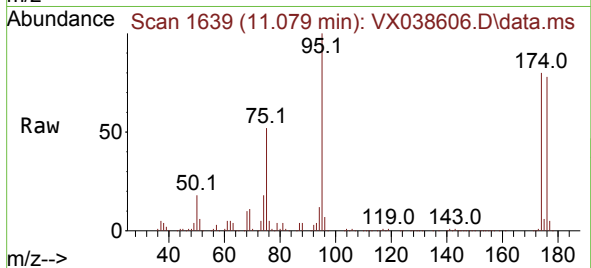




#76
1,2,3-Trichloropropane
Concen: 20.071 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX038606.D
Acq: 27 Oct 2023 16:36

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 92139
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.912 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038606.D
Acq: 27 Oct 2023 16:36

Tgt Ion: 75 Resp: 92139
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

