

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101223\
 Data File : VX038249.D
 Acq On : 12 Oct 2023 12:15
 Operator : JC/MD
 Sample : 04859-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 13 04:46:13 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)

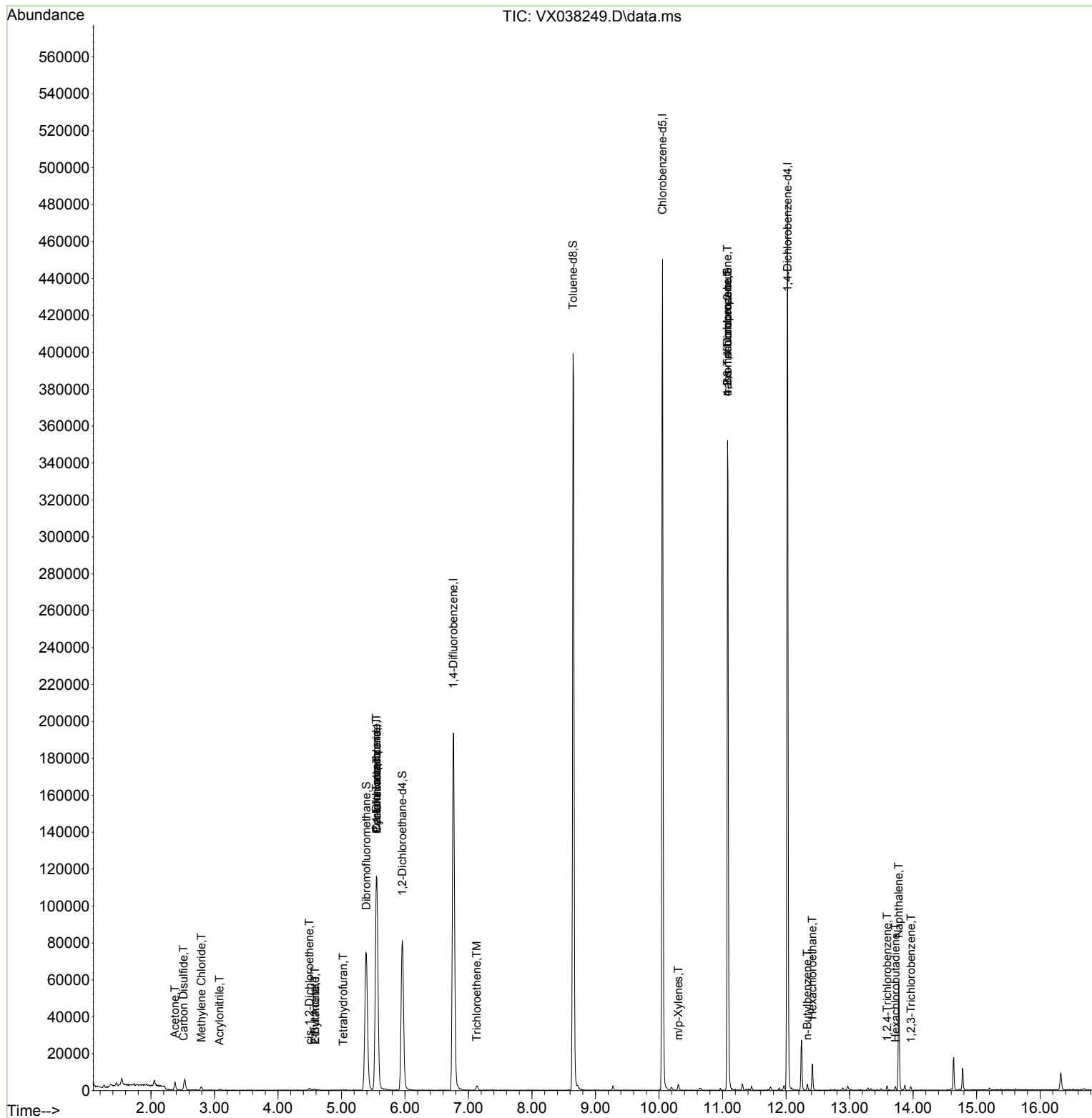
Internal Standards						
1) Pentafluorobenzene	5.556	168	110925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	195001	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	197253	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	80755	45.262	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.520%		
35) Dibromofluoromethane	5.391	113	64915	46.199	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.400%		
50) Toluene-d8	8.647	98	246116	45.838	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.680%#		
62) 4-Bromofluorobenzene	11.079	95	91567	44.984	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.960%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	20	Below Cal	#	3
6) Chloroethane	1.691	64	110	Below Cal	#	43
11) Tert butyl alcohol	2.940	59	80	Below Cal	#	78
15) Acrylonitrile	3.081	53	244	0.301	ug/l #	70
16) Acetone	2.380	43	4280	5.748	ug/l #	88
17) Carbon Disulfide	2.514	76	1113	0.381	ug/l #	79
20) Methylene Chloride	2.794	84	957	0.683	ug/l #	61
25) 2-Butanone	4.586	43	669	0.557	ug/l #	51
27) cis-1,2-Dichloroethene	4.495	96	671	0.448	ug/l	54
29) Tetrahydrofuran	5.025	42	199	0.254	ug/l #	34
31) Cyclohexane	5.556	56	2771	1.434	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9283	4.791	ug/l #	50
37) Ethyl Acetate	4.586	43	669	0.291	ug/l #	69
38) Carbon Tetrachloride	5.550	117	11714	6.145	ug/l #	16
44) Trichloroethene	7.129	130	1175	0.829	ug/l	78
68) m/p-Xylenes	10.305	106	864	0.303	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	49318	22.237	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	49318	63.727	ug/l #	5
89) n-Butylbenzene	12.335	91	1333	0.227	ug/l	86
90) Hexachloroethane	12.414	117	479	0.490	ug/l #	17
93) 1,2,4-Trichlorobenzene	13.591	180	748	0.362	ug/l	90
94) Hexachlorobutadiene	13.725	225	377	0.453	ug/l	86
95) Naphthalene	13.774	128	36341	5.045	ug/l	100
96) 1,2,3-Trichlorobenzene	13.969	180	617	0.308	ug/l	94

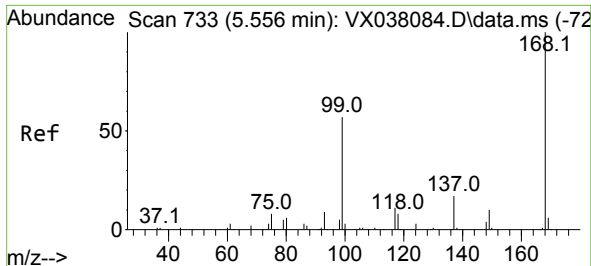
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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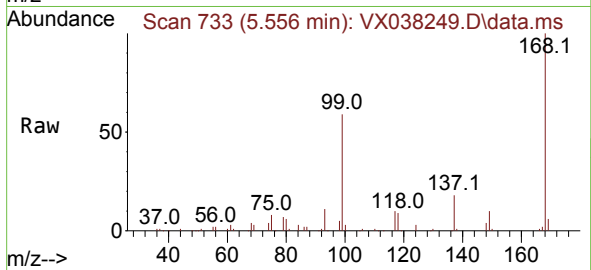
Quant Time: Oct 13 04:46:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
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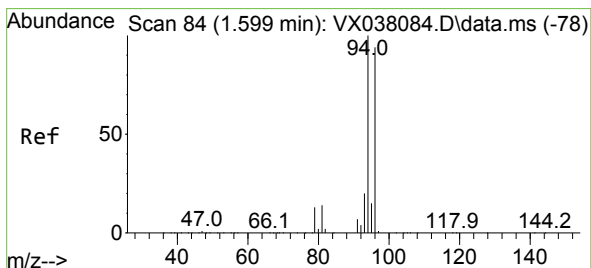
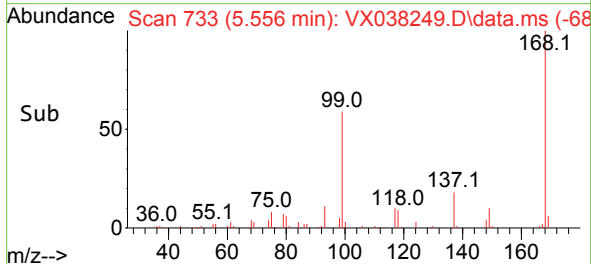
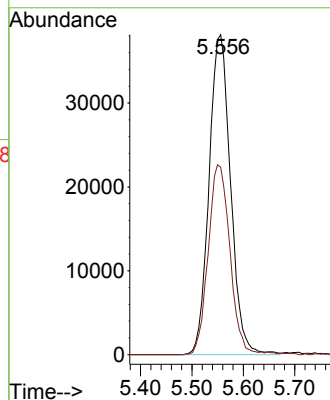


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038249.D
Acq: 12 Oct 2023 12:15

Instrument :
MSVOA_X
ClientSampleId :

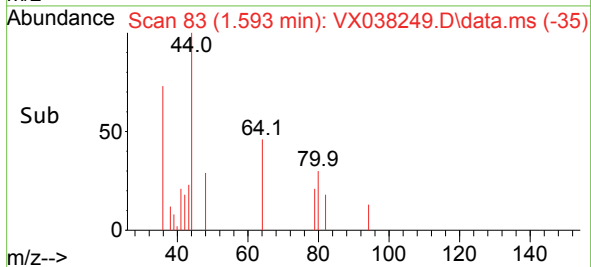
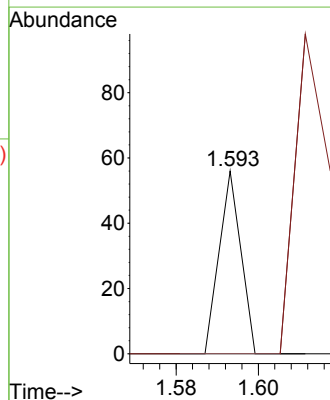
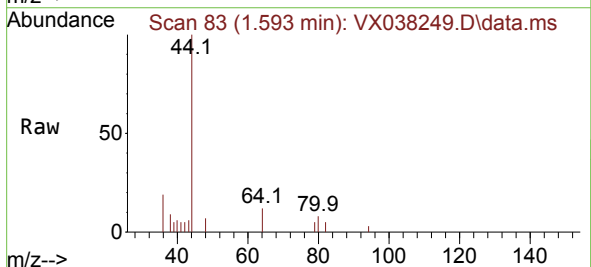


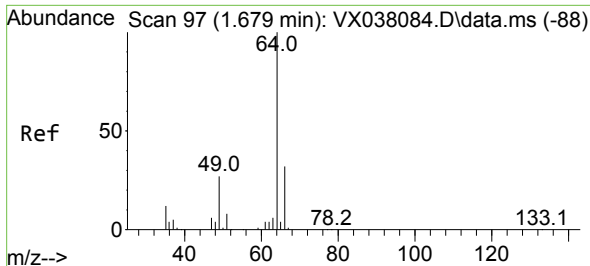
Tgt Ion:168 Resp: 110925
Ion Ratio Lower Upper
168 100
99 58.5 56.6 85.0



#5
Bromomethane
Concen: Below Cal
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX038249.D
Acq: 12 Oct 2023 12:15

Tgt Ion: 94 Resp: 20
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

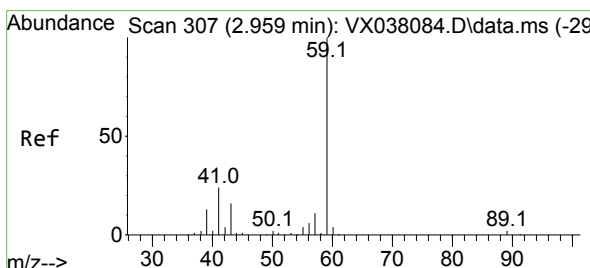
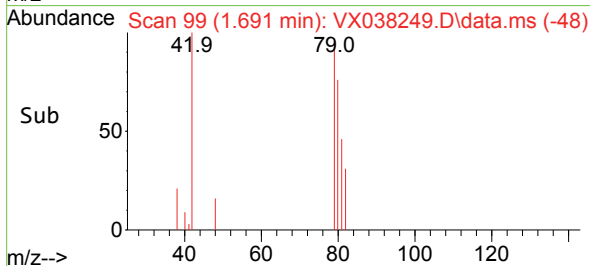
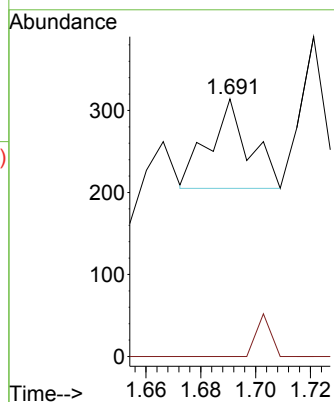
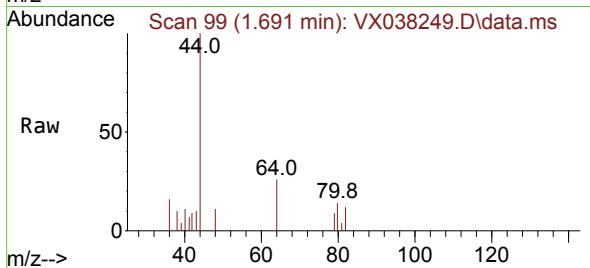




#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX038249.D
Acq: 12 Oct 2023 12:15

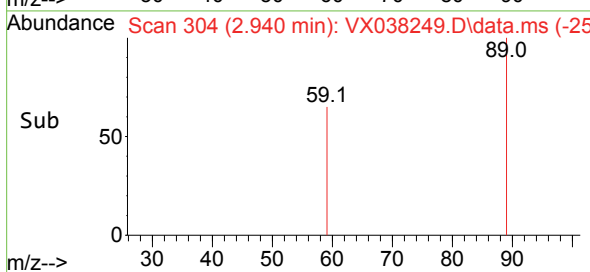
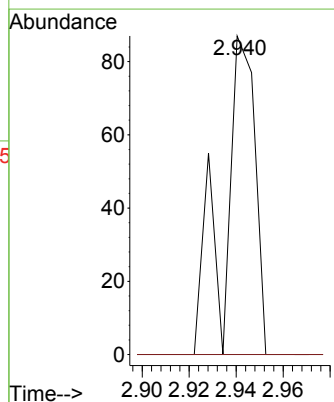
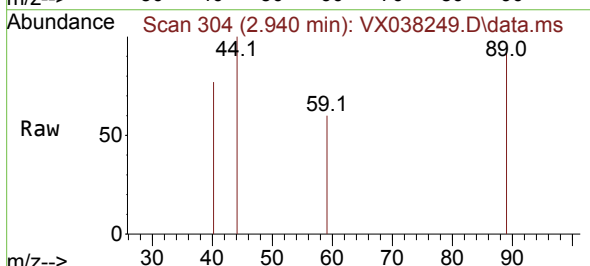
Instrument :
MSVOA_X
ClientSampleId :

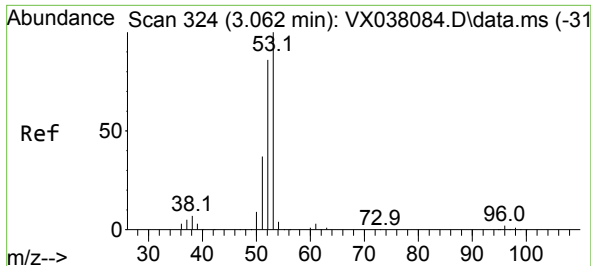
Tgt Ion: 64 Resp: 110
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.019 min
Lab File: VX038249.D
Acq: 12 Oct 2023 12:15

Tgt Ion: 59 Resp: 80
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#15

Acrylonitrile

Concen: 0.301 ug/l

RT: 3.081 min Scan# 31

Delta R.T. 0.019 min

Lab File: VX038249.D

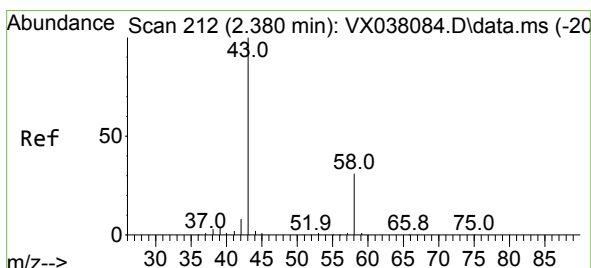
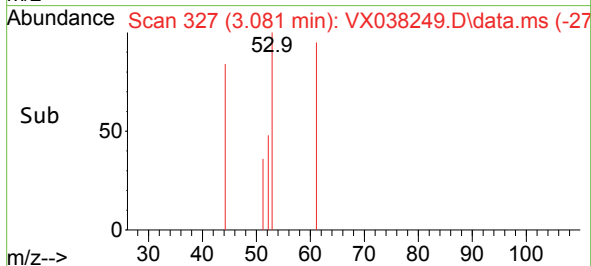
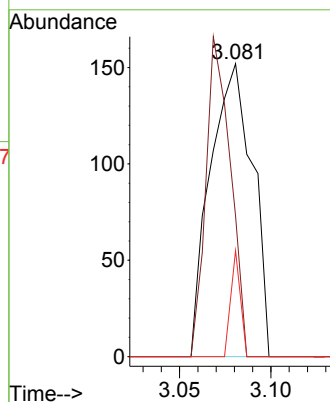
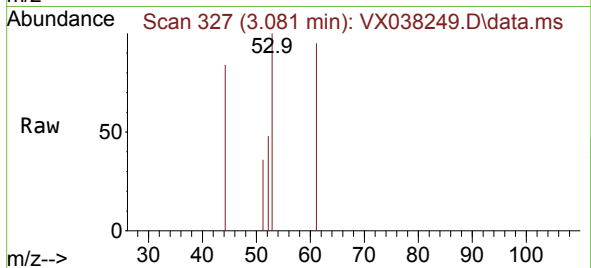
Acq: 12 Oct 2023 12:15

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 53	Resp:	244
Ion	Ratio	Lower Upper
53	100	
52	63.5	66.0 99.0#
51	8.2	29.8 44.6#



#16

Acetone

Concen: 5.748 ug/l

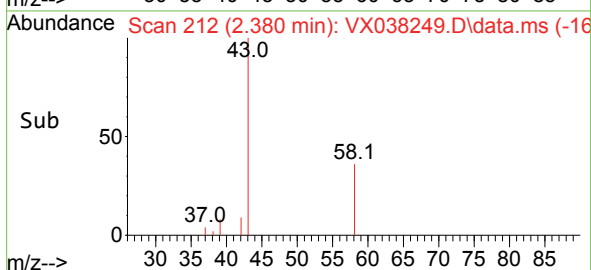
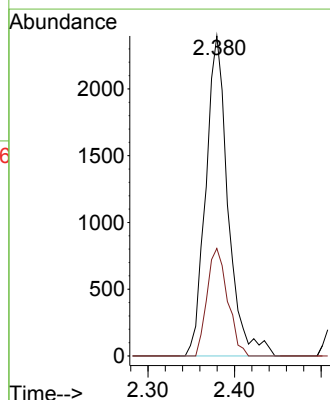
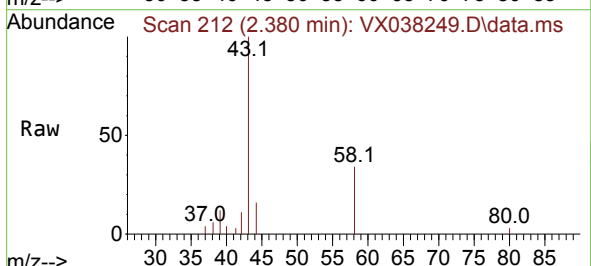
RT: 2.380 min Scan# 212

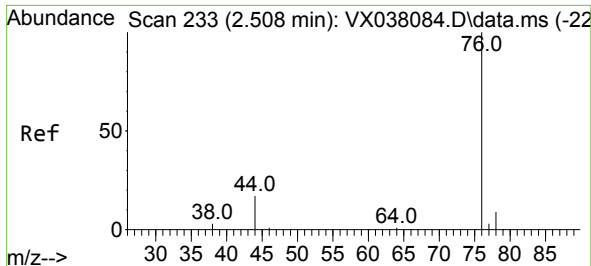
Delta R.T. -0.000 min

Lab File: VX038249.D

Acq: 12 Oct 2023 12:15

Tgt Ion: 43	Resp:	4280
Ion	Ratio	Lower Upper
43	100	
58	33.6	21.9 32.9#





#17

Carbon Disulfide

Concen: 0.381 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.006 min

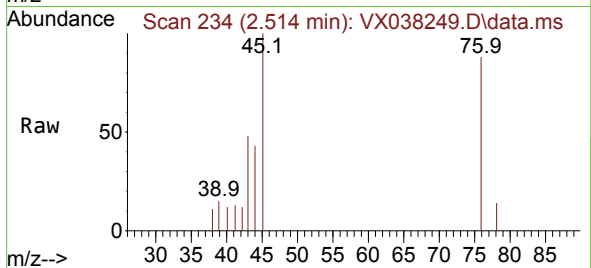
Lab File: VX038249.D

Acq: 12 Oct 2023 12:15

Instrument :

MSVOA_X

ClientSampleId :

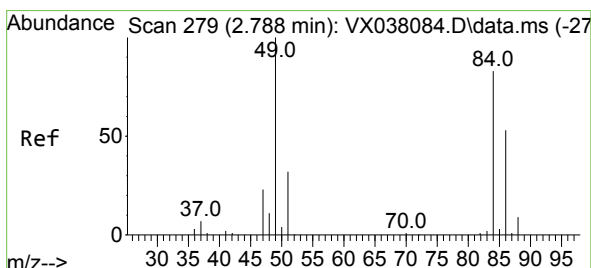
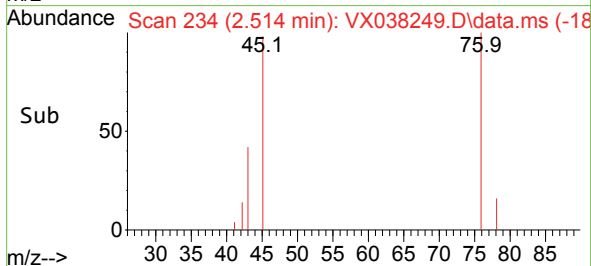
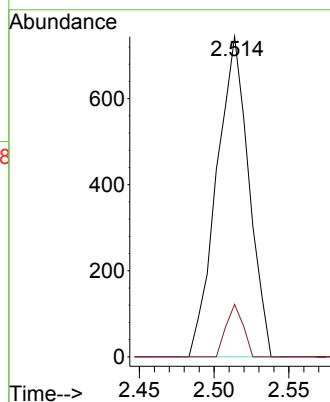


Tgt Ion: 76 Resp: 1113

Ion Ratio Lower Upper

76 100

78 16.4 7.0 10.6#



#20

Methylene Chloride

Concen: 0.683 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX038249.D

Acq: 12 Oct 2023 12:15

Tgt Ion: 84 Resp: 957

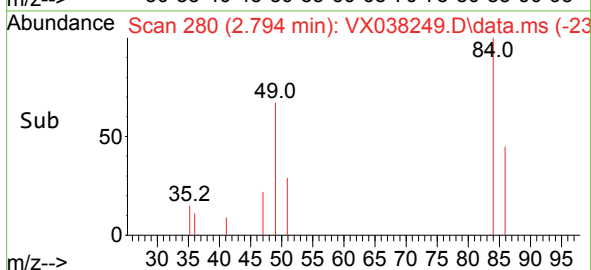
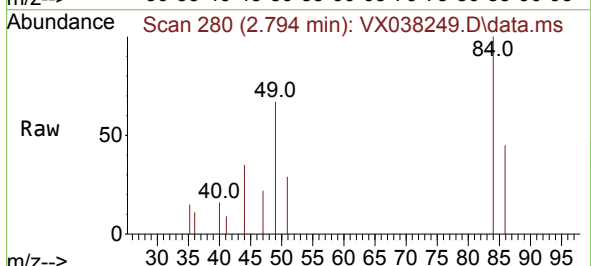
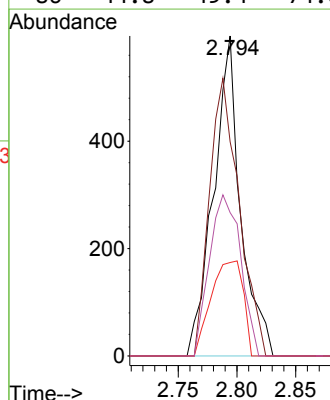
Ion Ratio Lower Upper

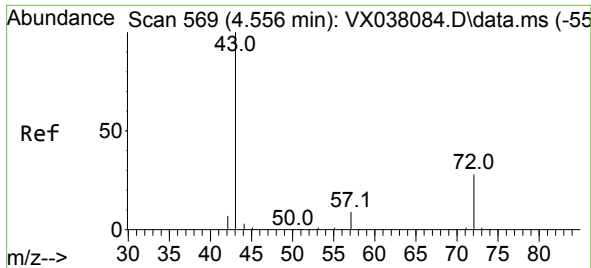
84 100

49 66.9 103.6 155.4#

51 29.2 33.8 50.6#

86 44.8 49.4 74.0#

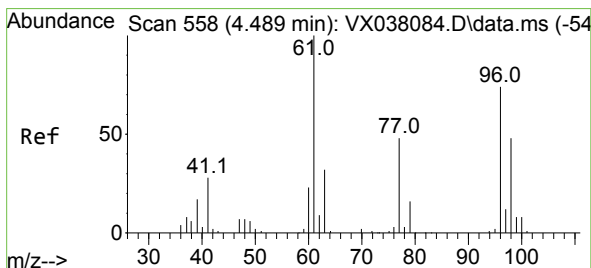
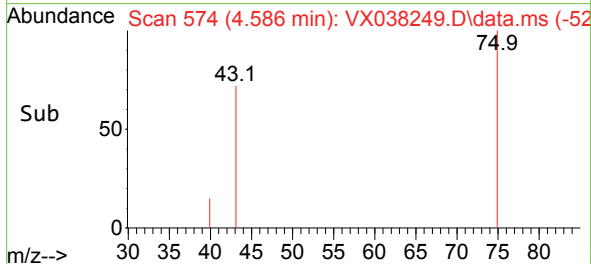
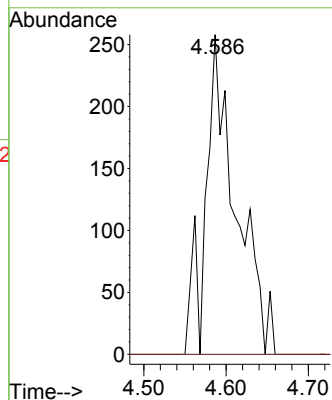
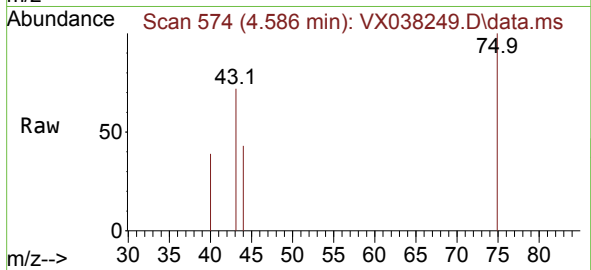




#25
2-Butanone
Concen: 0.557 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX038249.D
Acq: 12 Oct 2023 12:15

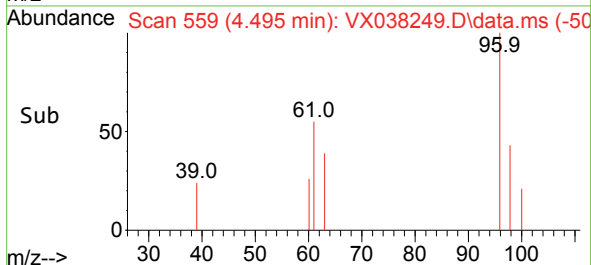
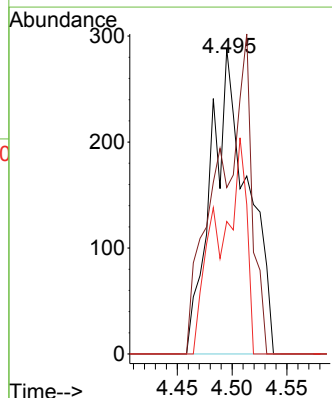
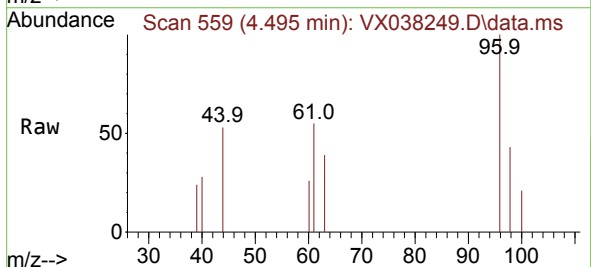
Instrument :
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ClientSampleId :

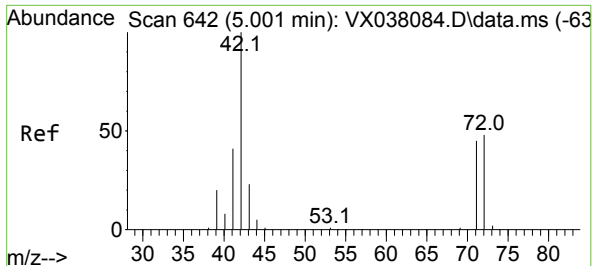
Tgt Ion: 43 Resp: 669
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#27
cis-1,2-Dichloroethene
Concen: 0.448 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX038249.D
Acq: 12 Oct 2023 12:15

Tgt Ion: 96 Resp: 671
Ion Ratio Lower Upper
96 100
61 93.4 0.0 312.2
98 32.0 0.0 129.0





#29

Tetrahydrofuran

Concen: 0.254 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.024 min

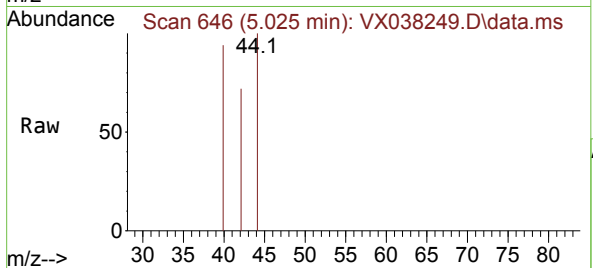
Lab File: VX038249.D

Acq: 12 Oct 2023 12:15

Instrument :

MSVOA_X

ClientSampleId :



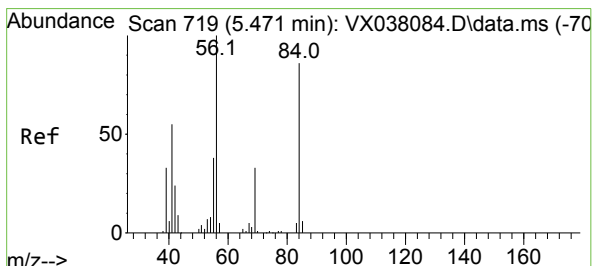
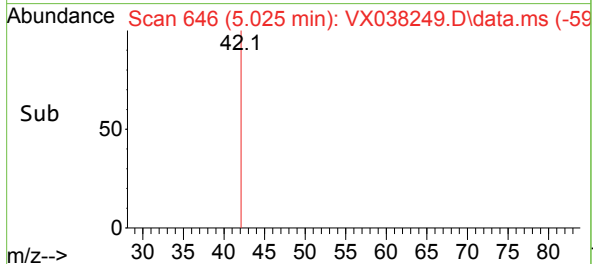
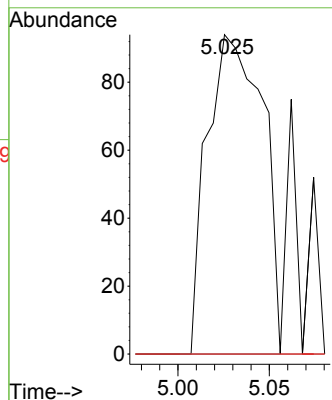
Tgt Ion: 42 Resp: 199

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.434 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX038249.D

Acq: 12 Oct 2023 12:15

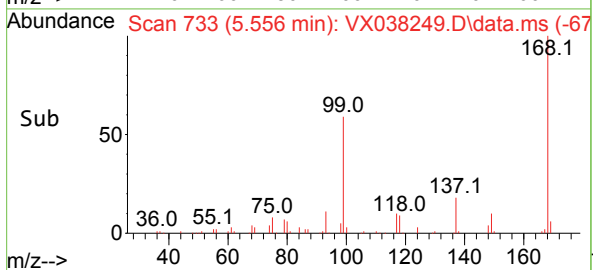
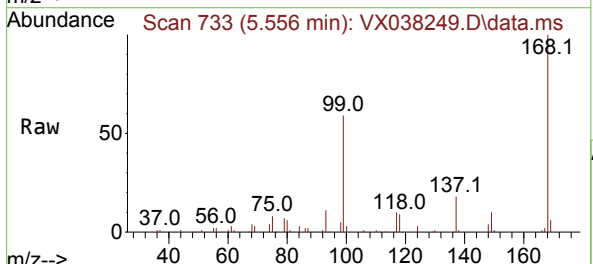
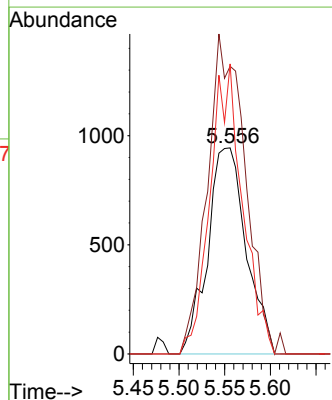
Tgt Ion: 56 Resp: 2771

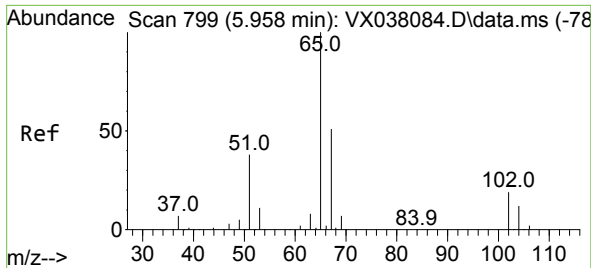
Ion Ratio Lower Upper

56 100

69 139.6 23.4 35.2#

84 140.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.262 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038249.D

Acq: 12 Oct 2023 12:15

Instrument :

MSVOA_X

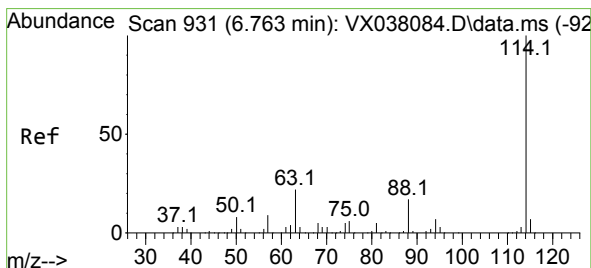
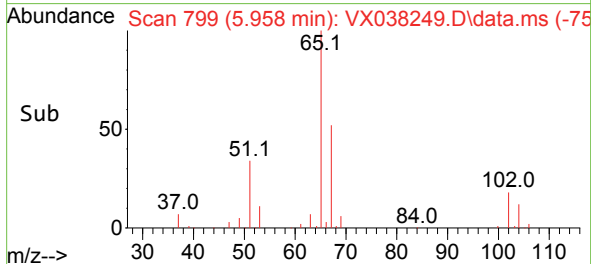
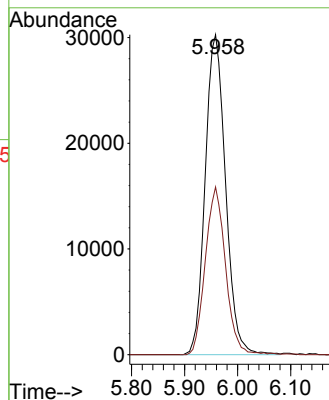
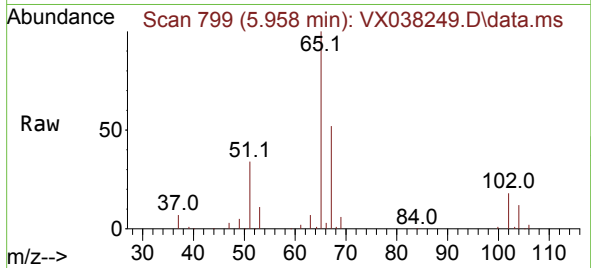
ClientSampleId :

Tgt Ion: 65 Resp: 80755

Ion Ratio Lower Upper

65 100

67 52.1 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: VX038249.D

Acq: 12 Oct 2023 12:15

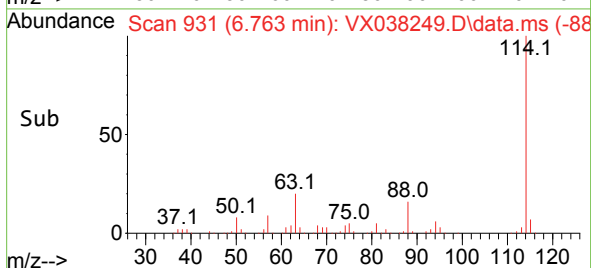
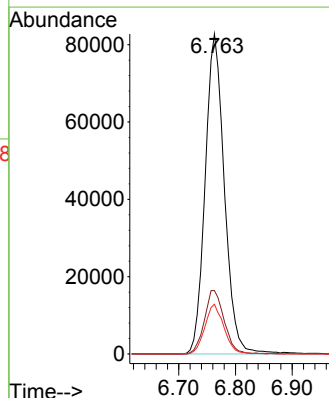
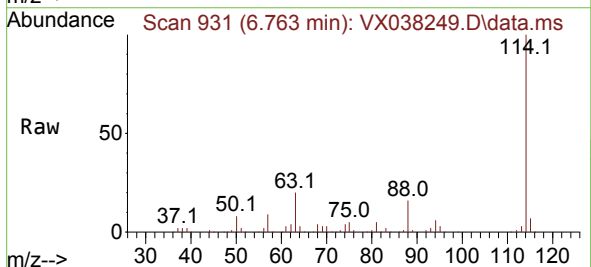
Tgt Ion: 114 Resp: 195001

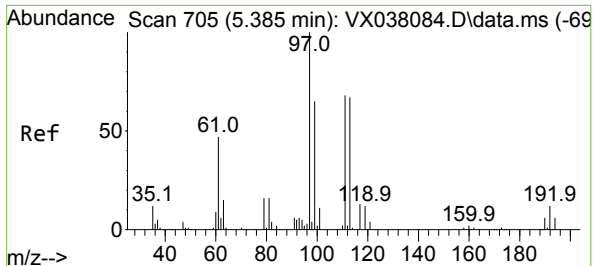
Ion Ratio Lower Upper

114 100

63 19.8 0.0 45.0

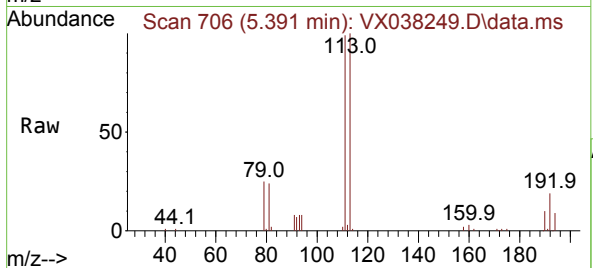
88 15.5 0.0 36.6



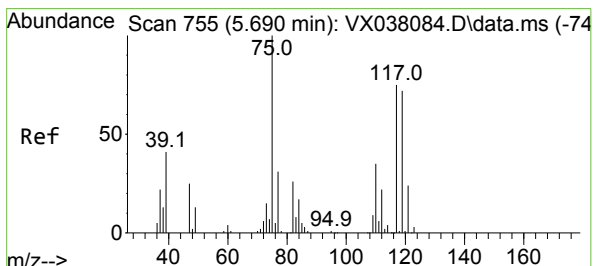
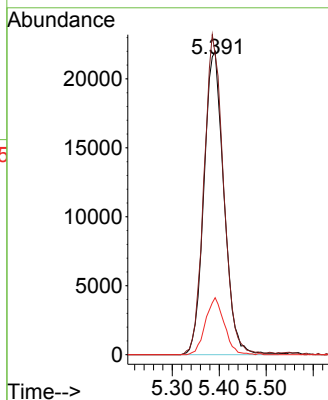
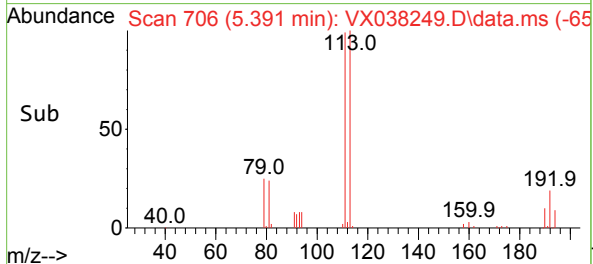


#35
Dibromofluoromethane
Concen: 46.199 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX038249.D
Acq: 12 Oct 2023 12:15

Instrument :
MSVOA_X
ClientSampleId :

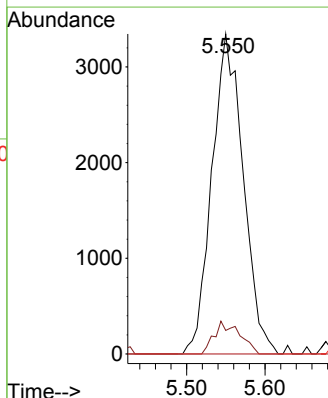
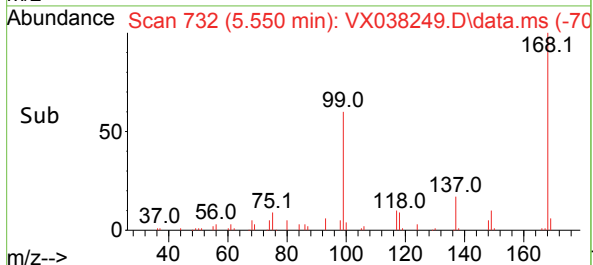
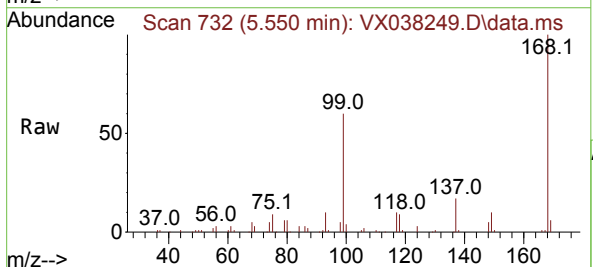


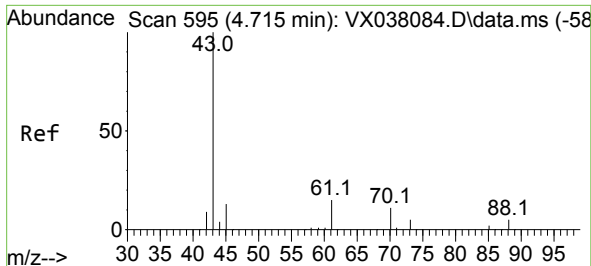
Tgt Ion:113 Resp: 64915
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 17.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.791 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038249.D
Acq: 12 Oct 2023 12:15

Tgt Ion: 75 Resp: 9283
Ion Ratio Lower Upper
75 100
110 8.3 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.291 ug/l

RT: 4.586 min Scan# 51

Delta R.T. -0.129 min

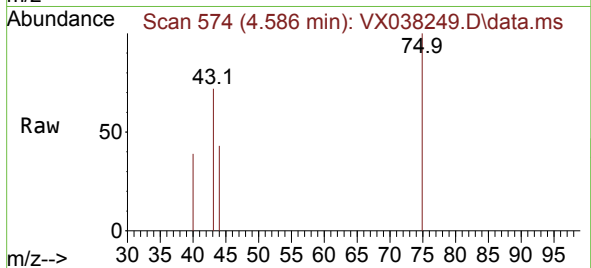
Lab File: VX038249.D

Acq: 12 Oct 2023 12:15

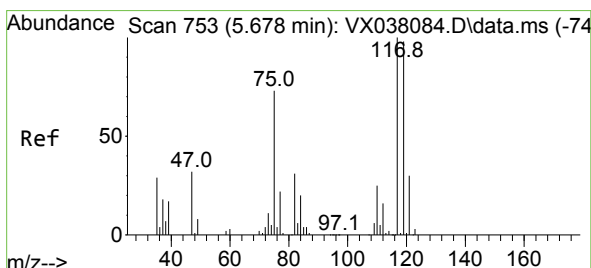
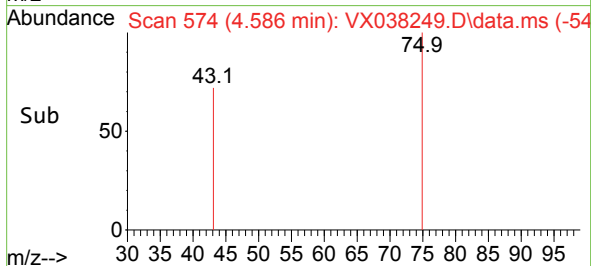
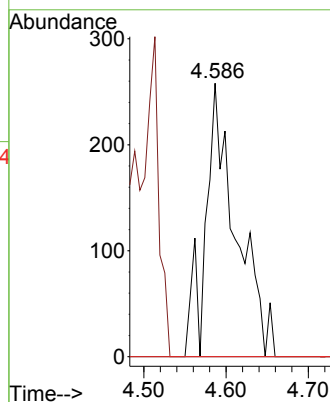
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 669
Ion Ratio	Lower Upper
43 100	
61 0.0	10.6 16.0#
70 0.0	8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.145 ug/l

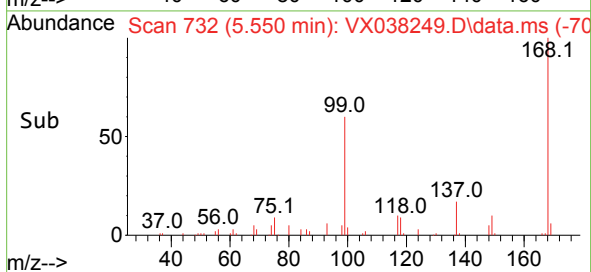
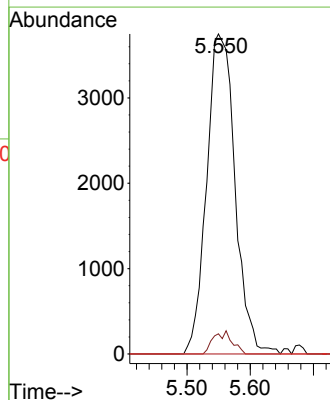
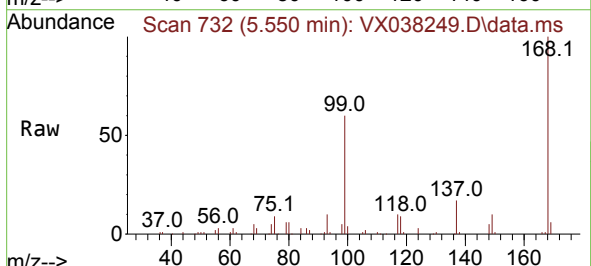
RT: 5.550 min Scan# 732

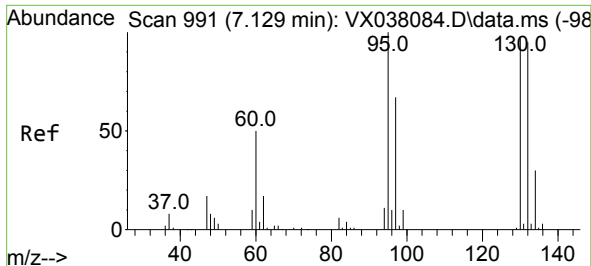
Delta R.T. -0.128 min

Lab File: VX038249.D

Acq: 12 Oct 2023 12:15

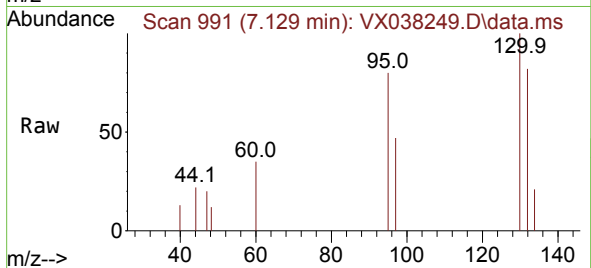
Tgt Ion: 117	Resp: 11714
Ion Ratio	Lower Upper
117 100	
119 6.3	78.2 117.2#
121 0.0	24.4 36.6#



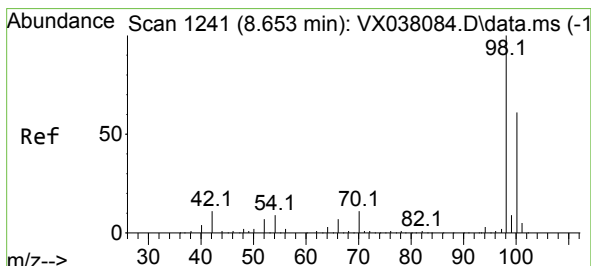
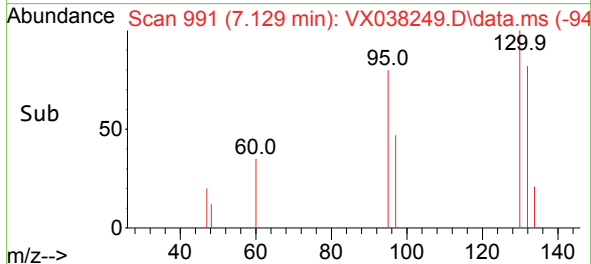
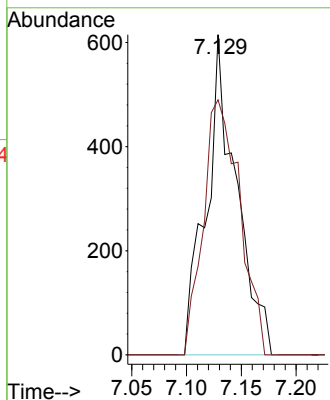


#44
Trichloroethene
Concen: 0.829 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX038249.D
Acq: 12 Oct 2023 12:15

Instrument :
MSVOA_X
ClientSampleId :

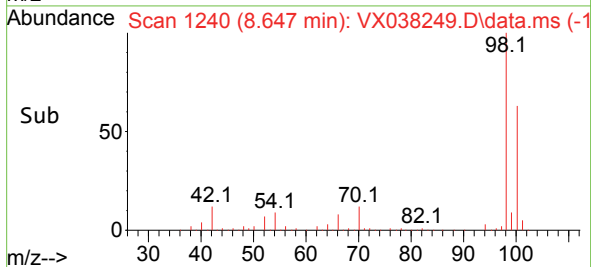
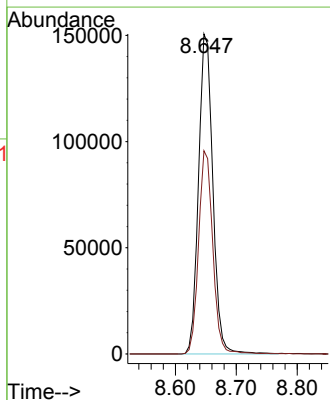
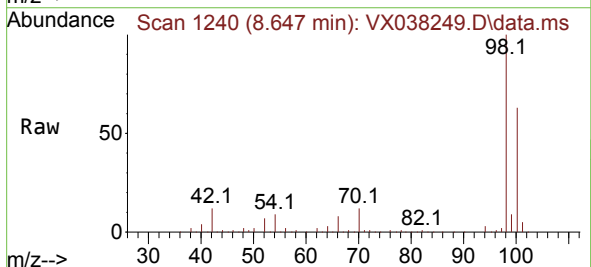


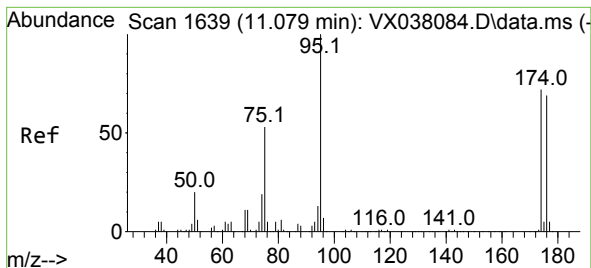
Tgt Ion:130 Resp: 1175
Ion Ratio Lower Upper
130 100
95 79.7 0.0 204.4



#50
Toluene-d8
Concen: 45.838 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038249.D
Acq: 12 Oct 2023 12:15

Tgt Ion: 98 Resp: 246116
Ion Ratio Lower Upper
98 100
100 63.1 53.1 79.7

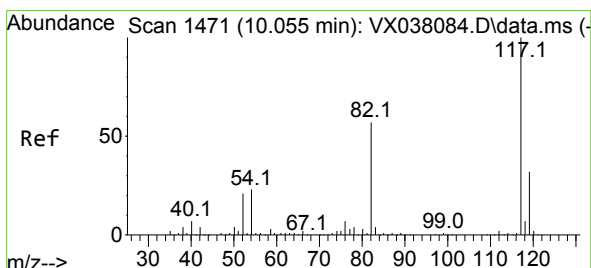
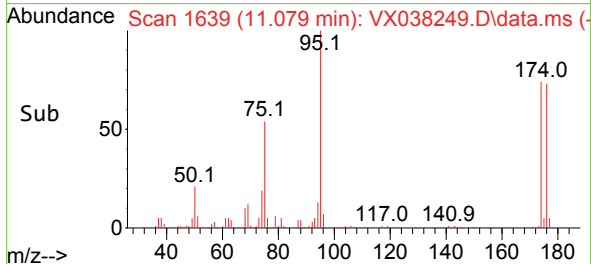
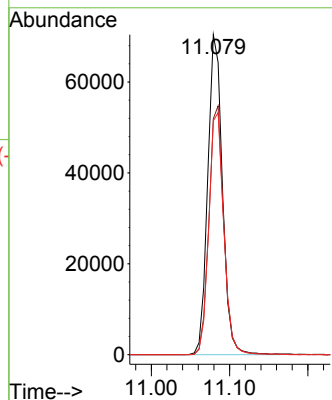
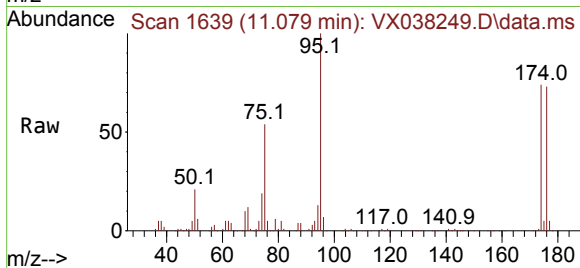




#62
4-Bromofluorobenzene
Concen: 44.984 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038249.D
Acq: 12 Oct 2023 12:15

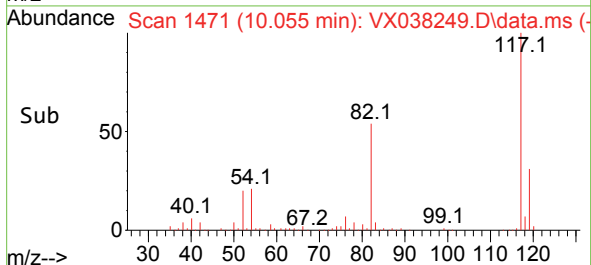
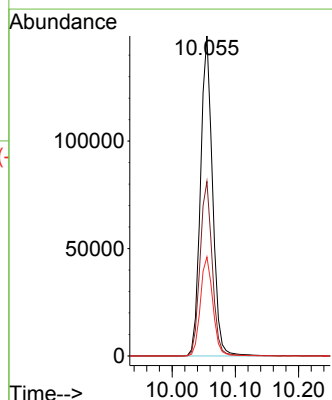
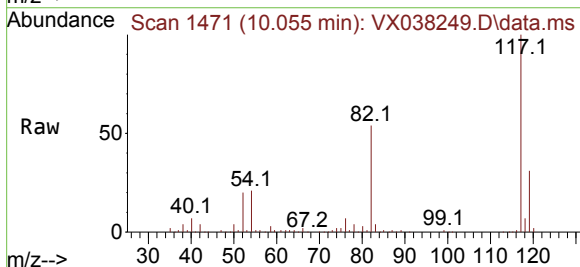
Instrument :
MSVOA_X
ClientSampleId :

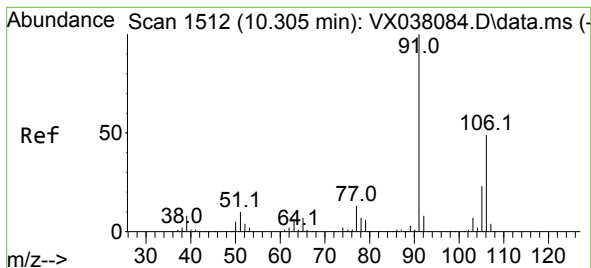
Tgt Ion: 95 Resp: 91567
Ion Ratio Lower Upper
95 100
174 78.3 0.0 135.6
176 76.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038249.D
Acq: 12 Oct 2023 12:15

Tgt Ion: 117 Resp: 197253
Ion Ratio Lower Upper
117 100
82 54.5 46.2 69.4
119 30.9 25.5 38.3

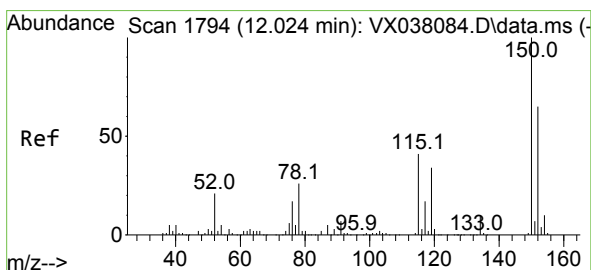
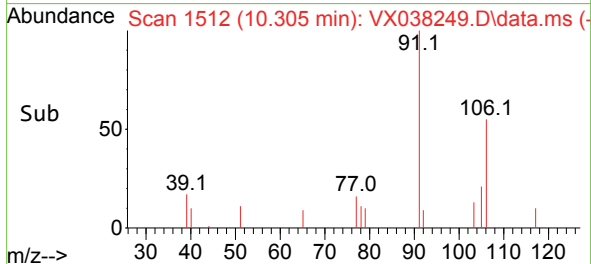
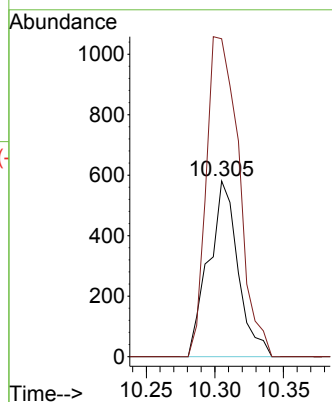
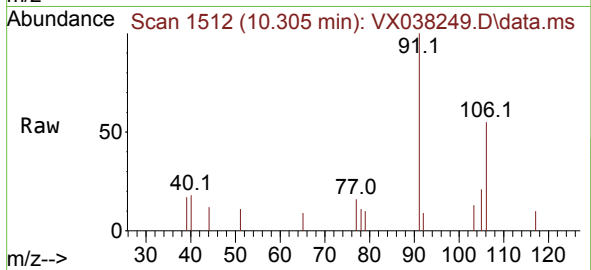




#68
m/p-Xylenes
Concen: 0.303 ug/l
RT: 10.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038249.D
Acq: 12 Oct 2023 12:15

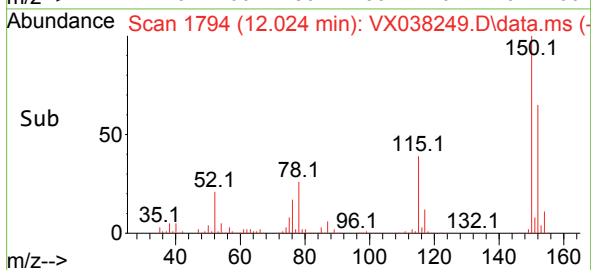
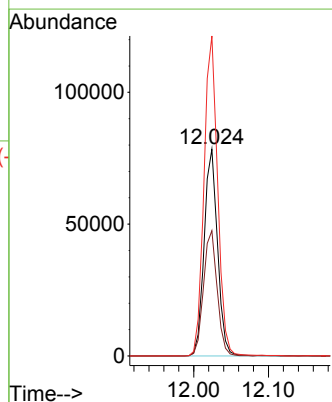
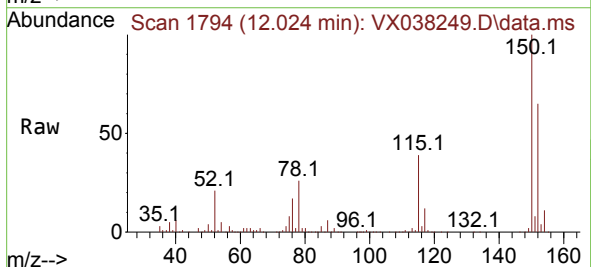
Instrument :
MSVOA_X
ClientSampleId :

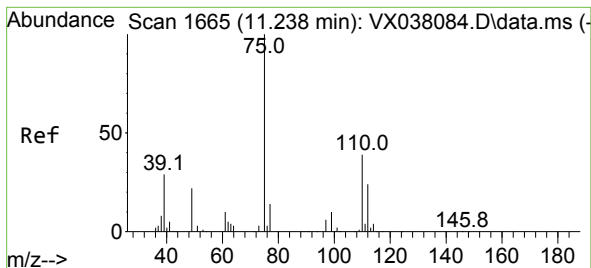
Tgt Ion:106 Resp: 864
Ion Ratio Lower Upper
106 100
91 202.3 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038249.D
Acq: 12 Oct 2023 12:15

Tgt Ion:152 Resp: 97556
Ion Ratio Lower Upper
152 100
115 61.7 43.3 129.9
150 157.9 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.237 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX038249.D

Acq: 12 Oct 2023 12:15

Instrument :

MSVOA_X

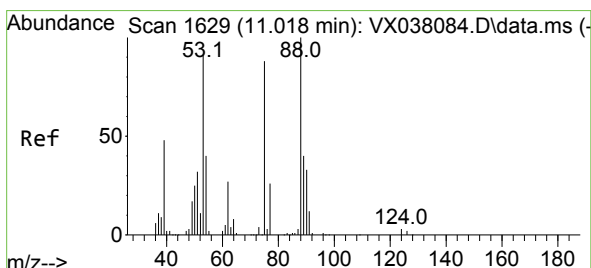
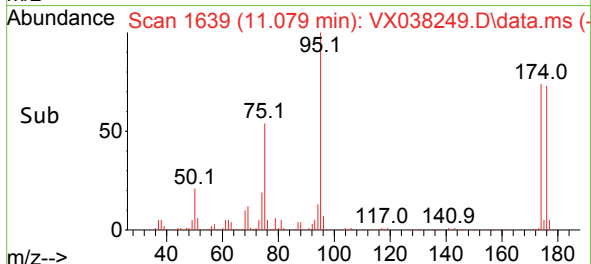
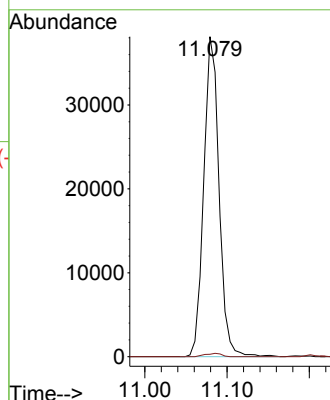
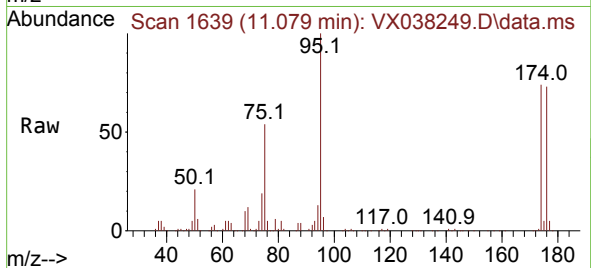
ClientSampleId :

Tgt Ion: 75 Resp: 49318

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.727 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038249.D

Acq: 12 Oct 2023 12:15

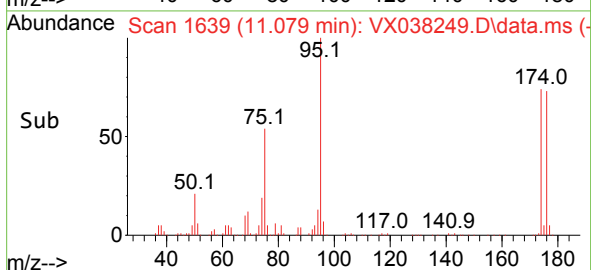
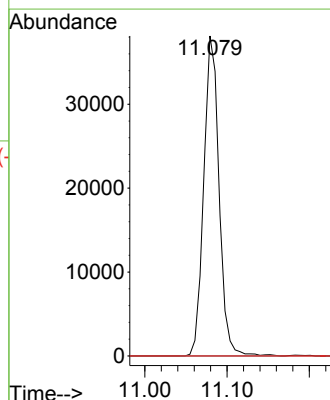
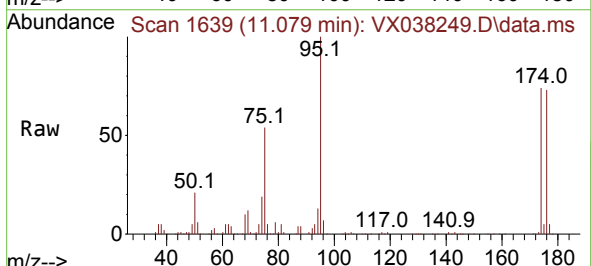
Tgt Ion: 75 Resp: 49318

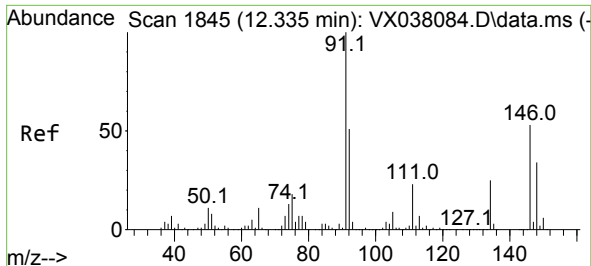
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

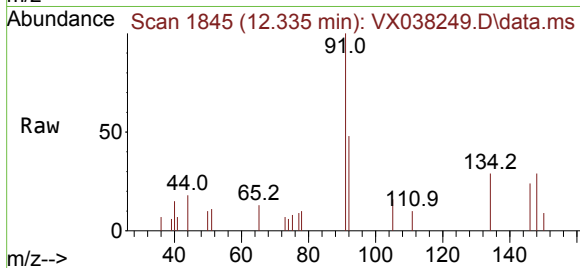
89 0.0 36.9 55.3#



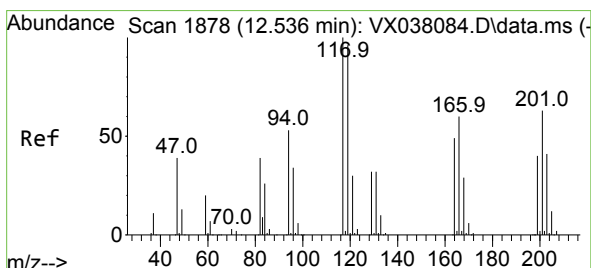
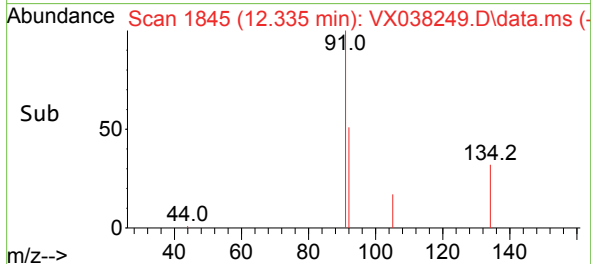
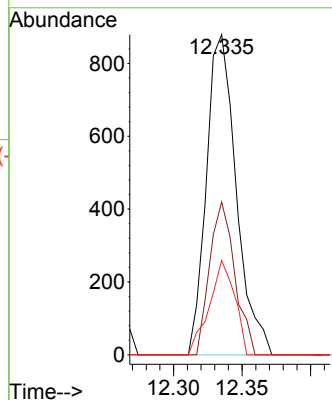


#89
n-Butylbenzene
Concen: 0.227 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX038249.D
Acq: 12 Oct 2023 12:15

Instrument :
MSVOA_X
ClientSampleId :

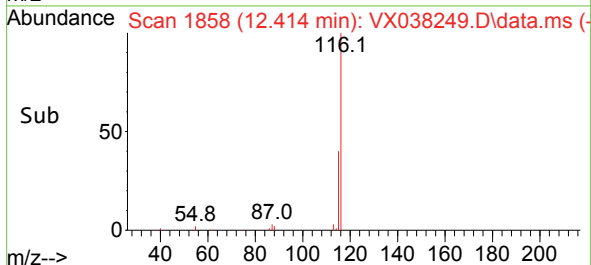
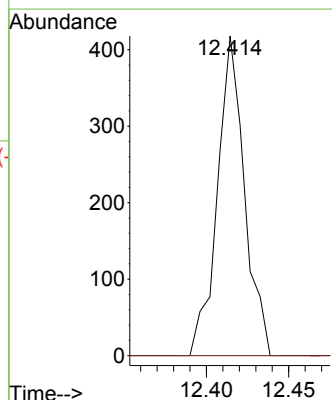
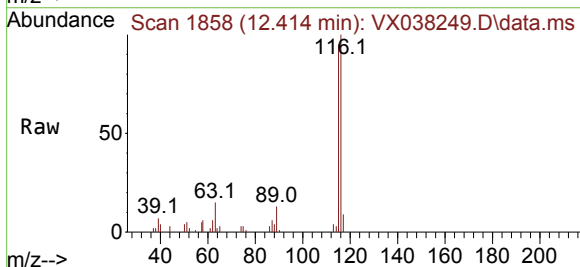


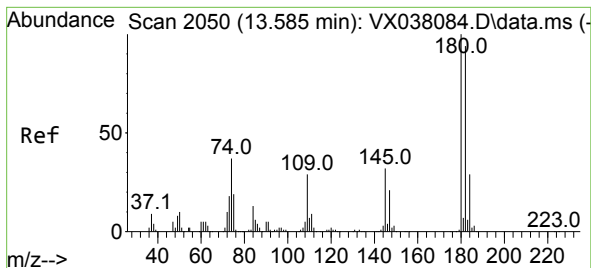
Tgt Ion: 91 Resp: 1333
Ion Ratio Lower Upper
91 100
92 40.0 27.4 82.0
134 25.1 12.6 37.8



#90
Hexachloroethane
Concen: 0.490 ug/l
RT: 12.414 min Scan# 1858
Delta R.T. -0.122 min
Lab File: VX038249.D
Acq: 12 Oct 2023 12:15

Tgt Ion: 117 Resp: 479
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#





#93

1,2,4-Trichlorobenzene

Concen: 0.362 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX038249.D

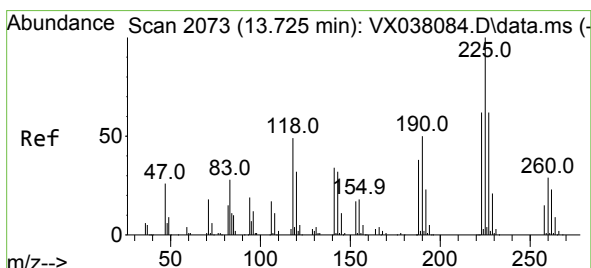
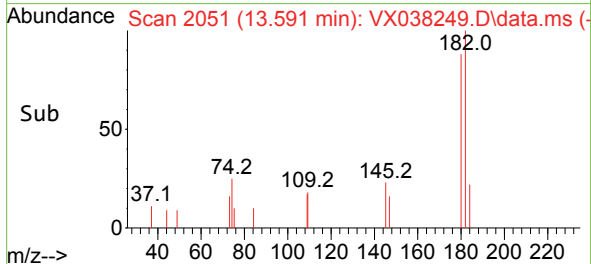
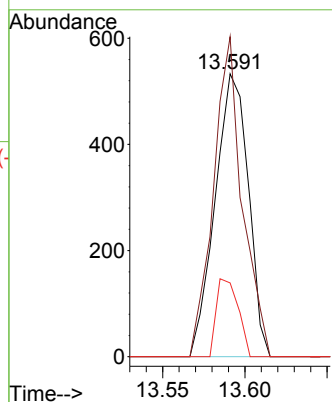
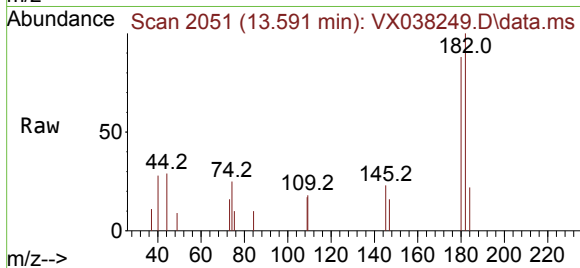
Acq: 12 Oct 2023 12:15

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	748
Ion	Ratio	Lower Upper
180	100	
182	98.3	48.3 144.8
145	18.0	18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.453 ug/l

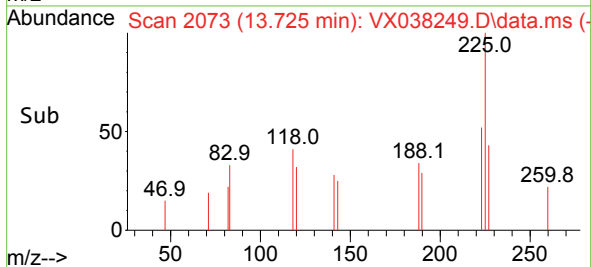
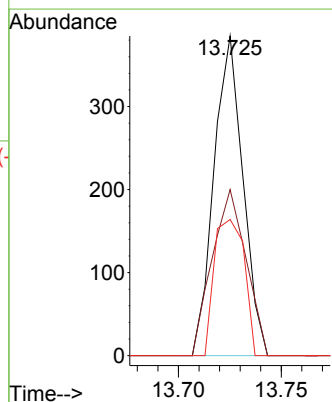
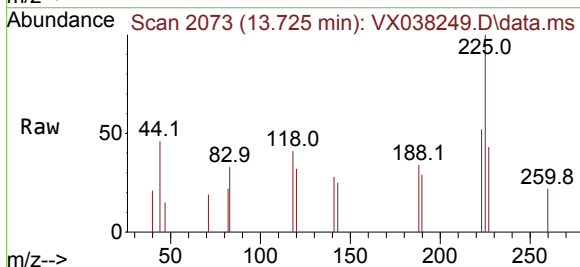
RT: 13.725 min Scan# 2073

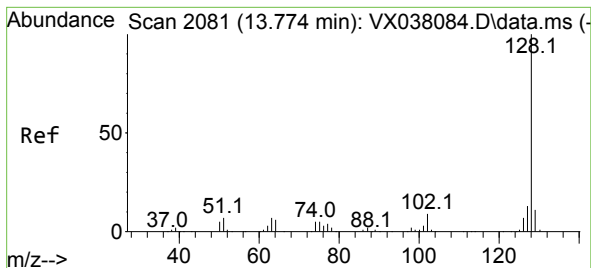
Delta R.T. 0.000 min

Lab File: VX038249.D

Acq: 12 Oct 2023 12:15

Tgt Ion:225	Resp:	377
Ion	Ratio	Lower Upper
225	100	
223	61.0	31.1 93.2
227	44.0	32.5 97.5





#95

Naphthalene

Concen: 5.045 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

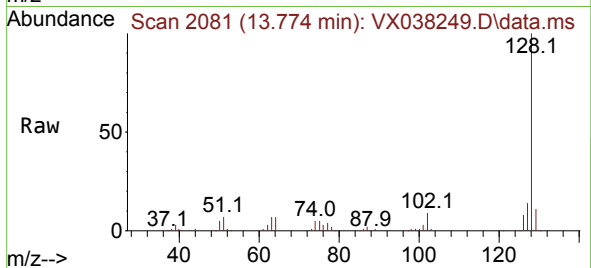
Lab File: VX038249.D

Acq: 12 Oct 2023 12:15

Instrument :

MSVOA_X

ClientSampleId :



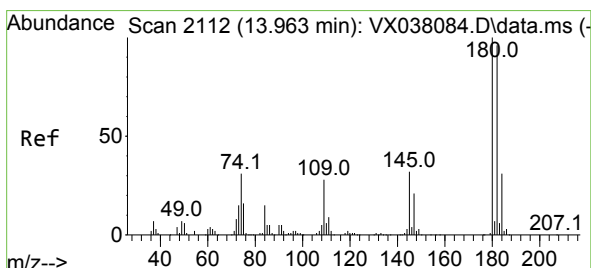
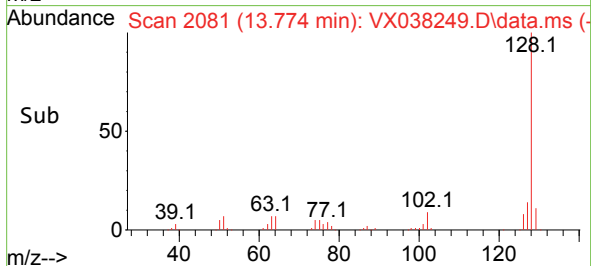
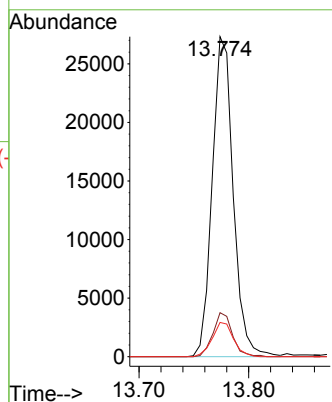
Tgt Ion:128 Resp: 36341

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 10.9 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.308 ug/l

RT: 13.969 min Scan# 2113

Delta R.T. 0.006 min

Lab File: VX038249.D

Acq: 12 Oct 2023 12:15

Tgt Ion:180 Resp: 617

Ion Ratio Lower Upper

180 100

182 88.5 46.9 140.6

145 30.8 17.8 53.5

