

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101723\
 Data File : VX038331.D
 Acq On : 17 Oct 2023 15:54
 Operator : JC/MD
 Sample : PB156409ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

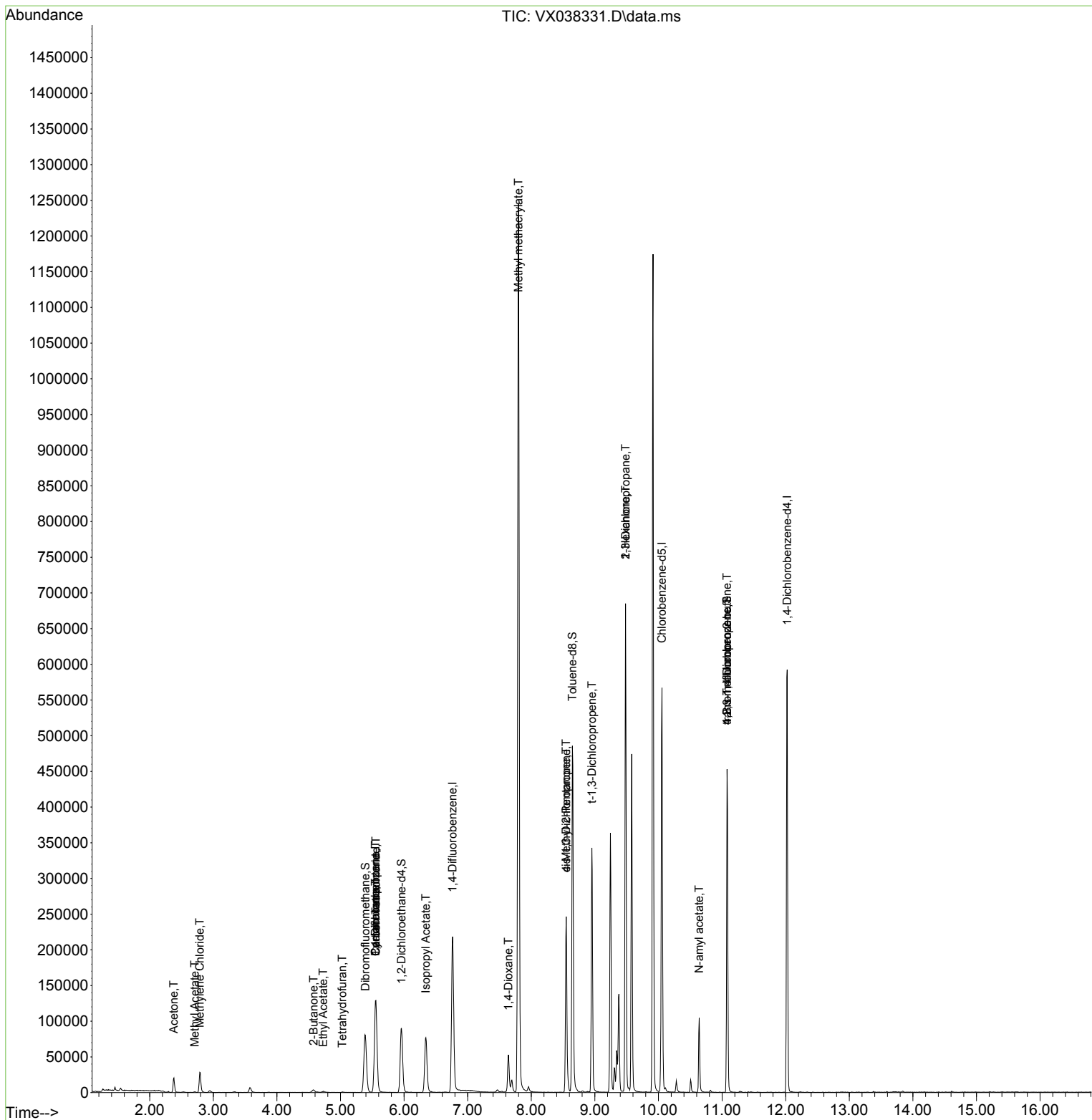
Quant Time: Oct 18 04:00:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	121651	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	226862	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	246003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	123076	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	87692	44.817	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.640%		
35) Dibromofluoromethane	5.391	113	70782	43.300	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.600%		
50) Toluene-d8	8.647	98	292638	46.848	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.700%		
62) 4-Bromofluorobenzene	11.079	95	114483	48.343	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.680%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	25	Below Cal	#	3
6) Chloroethane	1.709	64	304	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	1674	Below Cal	#	78
16) Acetone	2.380	43	21138	25.885	ug/l #	89
18) Methyl Acetate	2.709	43	1140	0.326	ug/l	98
20) Methylene Chloride	2.788	84	13866	9.027	ug/l #	92
25) 2-Butanone	4.574	43	2710	2.057	ug/l #	80
29) Tetrahydrofuran	5.026	42	321	0.374	ug/l #	43
31) Cyclohexane	5.550	56	2990	1.410	ug/l #	25
36) 1,1-Dichloropropene	5.550	75	10303	4.571	ug/l #	51
37) Ethyl Acetate	4.727	43	2287	0.854	ug/l #	91
38) Carbon Tetrachloride	5.556	117	12863	5.801	ug/l #	16
43) Isopropyl Acetate	6.342	43	106345	26.609	ug/l	97
48) Methyl methacrylate	7.799	41	108233	56.729	ug/l #	50
49) 1,4-Dioxane	7.641	88	20	0.425	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	84739	30.740	ug/l #	52
53) t-1,3-Dichloropropene	8.952	75	784	0.324	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	39431	15.529	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	5928	2.086	ug/l #	42
59) 2-Hexanone	9.482	43	75070	33.874	ug/l #	54
74) N-amyl acetate	10.640	43	23627	6.703	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	61200	21.873	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	61200	62.749	ug/l #	5

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

Quant Time: Oct 18 04:00:51 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

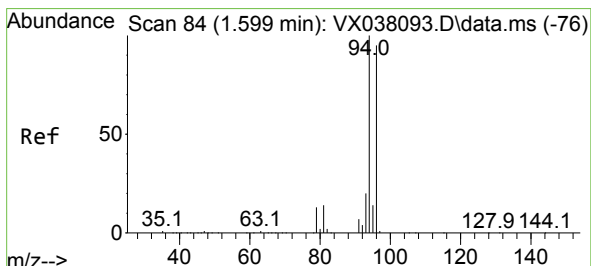
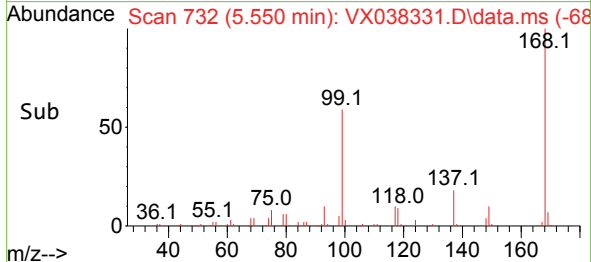
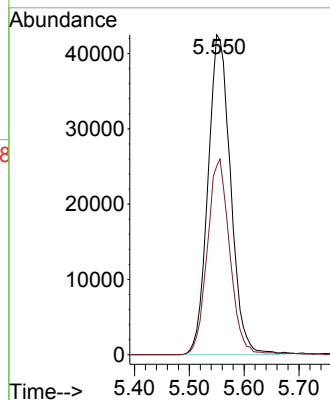
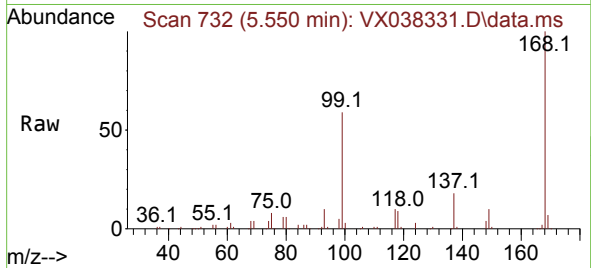




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038331.D
Acq: 17 Oct 2023 15:54

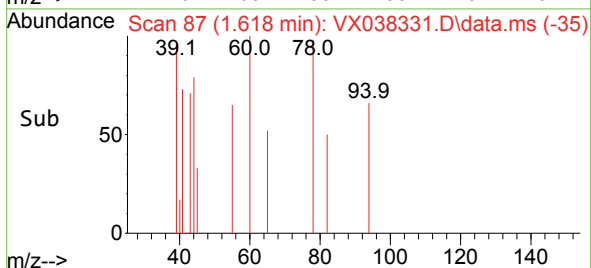
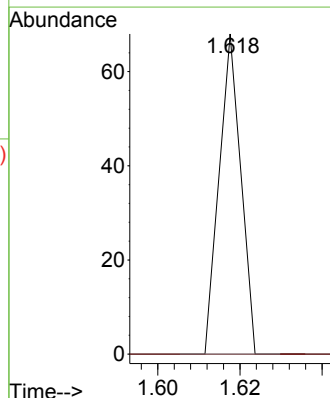
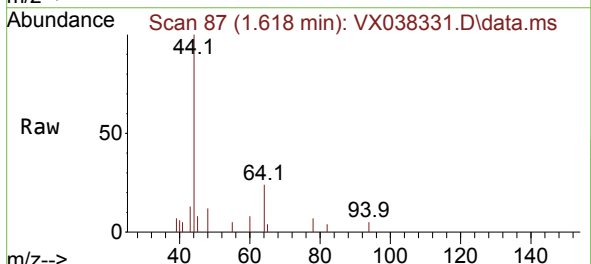
Instrument :
MSVOA_X
ClientSampleId :

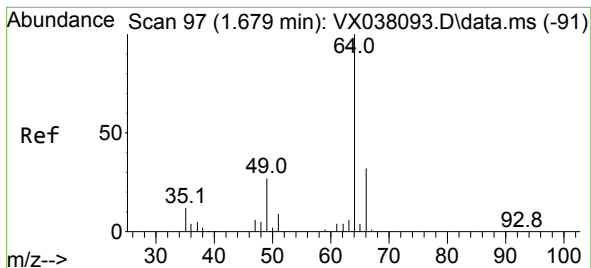
Tgt Ion:168 Resp: 121651
Ion Ratio Lower Upper
168 100
99 58.9 56.6 85.0



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX038331.D
Acq: 17 Oct 2023 15:54

Tgt Ion: 94 Resp: 25
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: VX038331.D

Acq: 17 Oct 2023 15:54

Instrument :

MSVOA_X

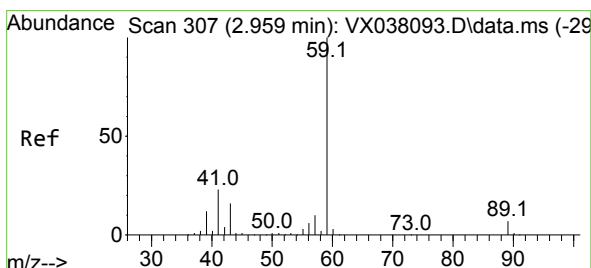
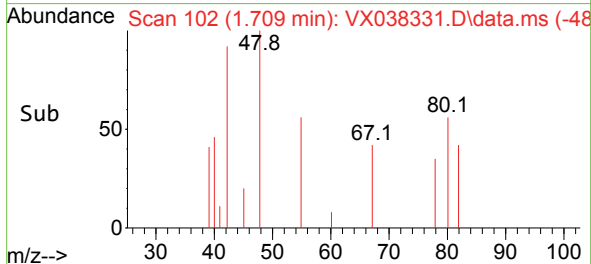
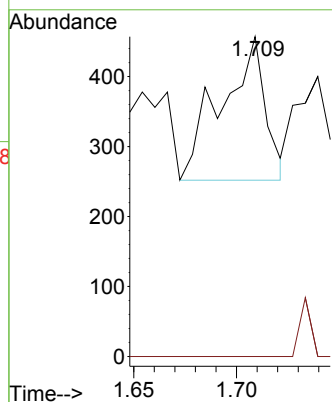
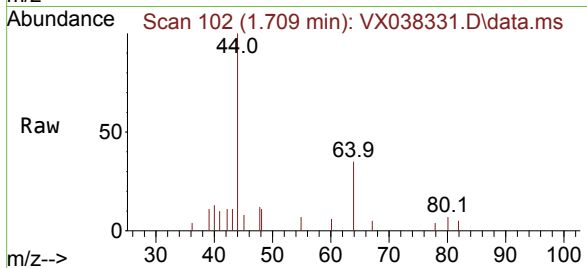
ClientSampleId :

Tgt Ion: 64 Resp: 304

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 305

Delta R.T. -0.012 min

Lab File: VX038331.D

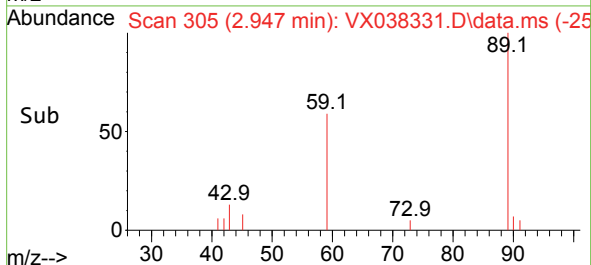
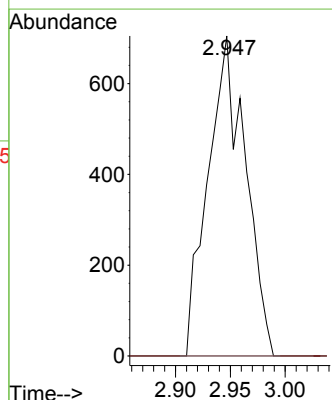
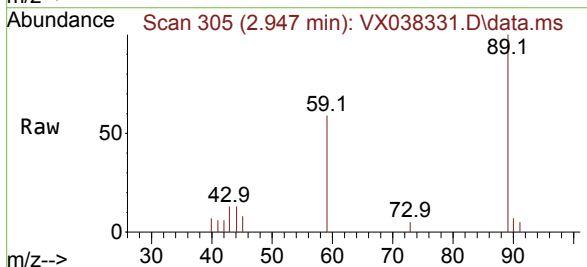
Acq: 17 Oct 2023 15:54

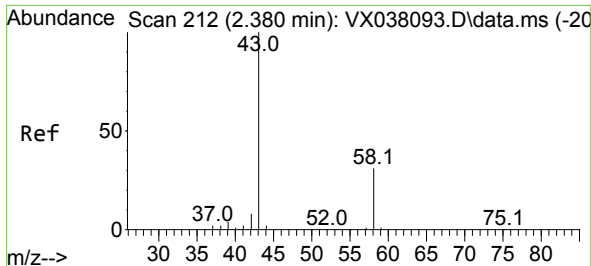
Tgt Ion: 59 Resp: 1674

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

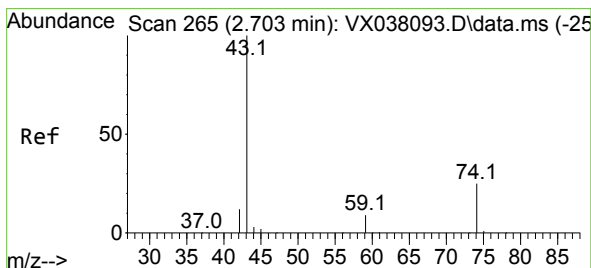
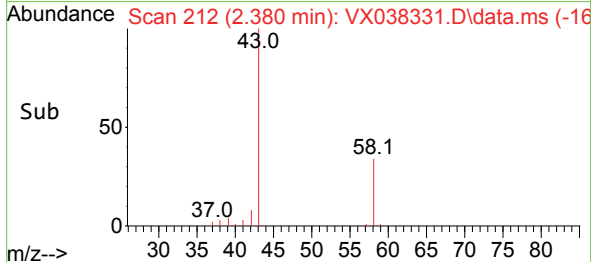
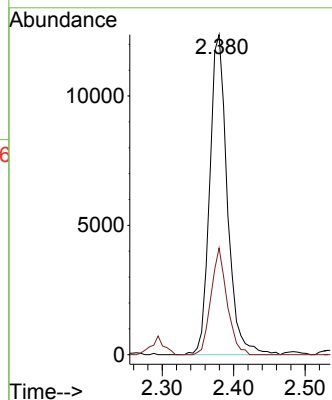
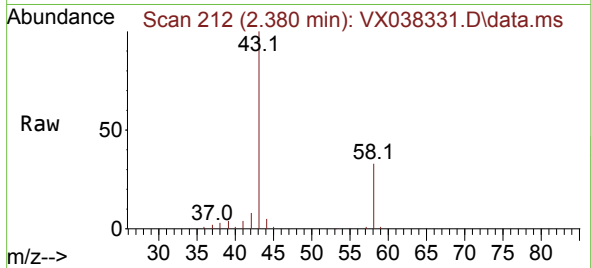




#16
Acetone
Concen: 25.885 ug/l
RT: 2.380 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX038331.D
Acq: 17 Oct 2023 15:54

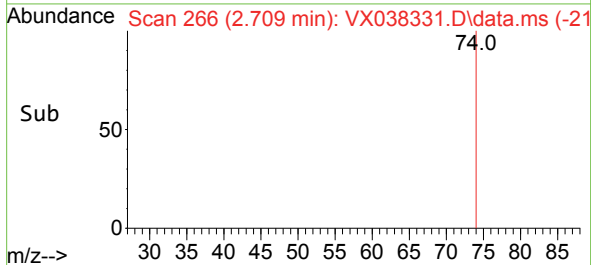
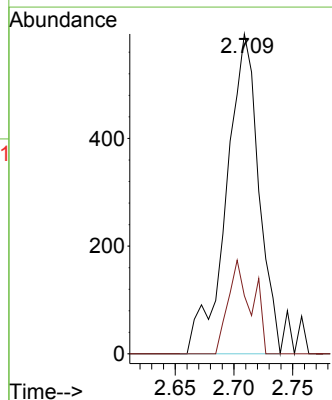
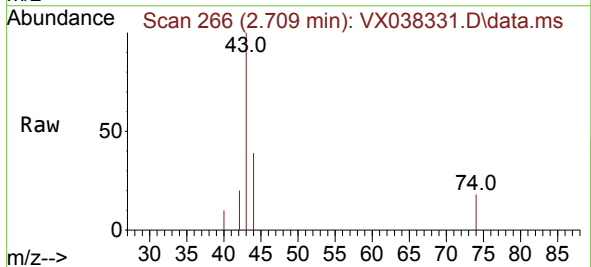
Instrument :
MSVOA_X
ClientSampleId :

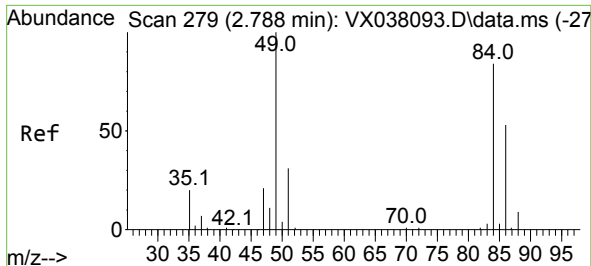
Tgt Ion: 43 Resp: 21138
Ion Ratio Lower Upper
43 100
58 33.3 21.9 32.9#



#18
Methyl Acetate
Concen: 0.326 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX038331.D
Acq: 17 Oct 2023 15:54

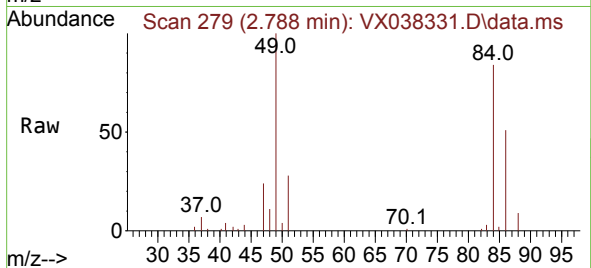
Tgt Ion: 43 Resp: 1140
Ion Ratio Lower Upper
43 100
74 21.3 17.8 26.8



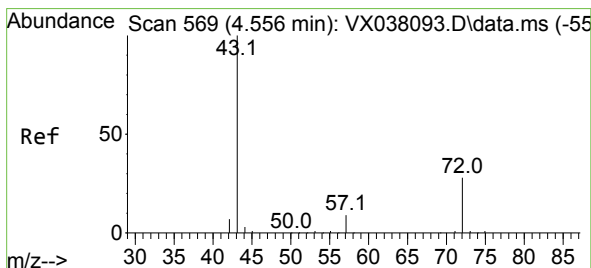
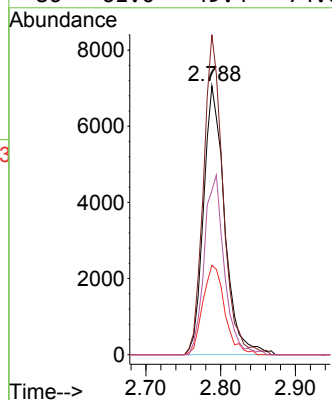


#20
Methylene Chloride
Concen: 9.027 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX038331.D
Acq: 17 Oct 2023 15:54

Instrument :
MSVOA_X
ClientSampleId :

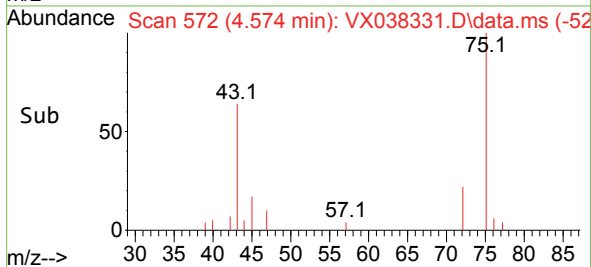
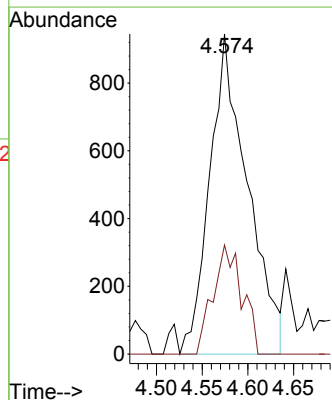
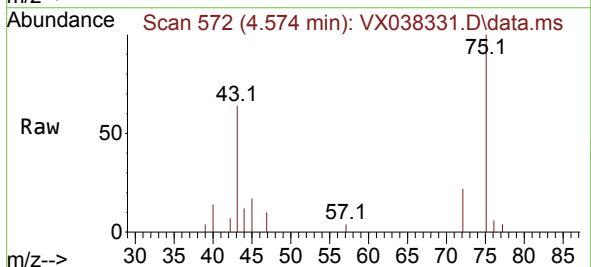


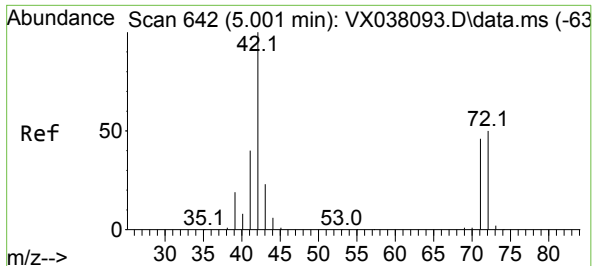
Tgt Ion: 84	Resp: 13866
Ion Ratio	Lower Upper
84 100	
49 119.0	103.6 155.4
51 33.3	33.8 50.6#
86 61.0	49.4 74.0



#25
2-Butanone
Concen: 2.057 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX038331.D
Acq: 17 Oct 2023 15:54

Tgt Ion: 43	Resp: 2710		
Ion Ratio	Lower	Upper	
43 100			
72 34.1	19.4	29.2#	





#29

Tetrahydrofuran

Concen: 0.374 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.024 min

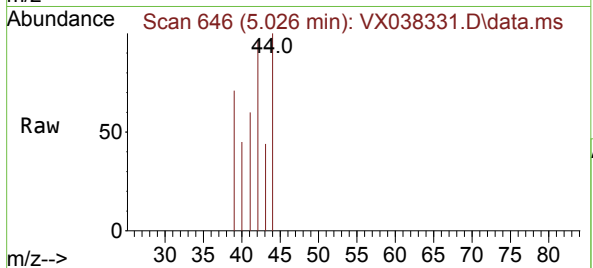
Lab File: VX038331.D

Acq: 17 Oct 2023 15:54

Instrument :

MSVOA_X

ClientSampleId :



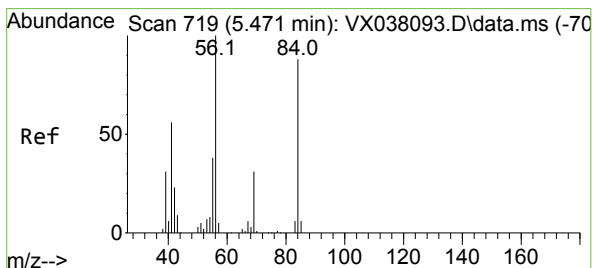
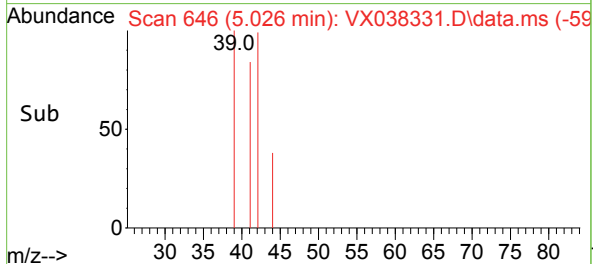
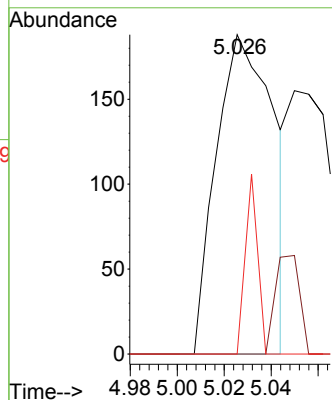
Tgt Ion: 42 Resp: 321

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 12.1 32.2 48.2#



#31

Cyclohexane

Concen: 1.410 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX038331.D

Acq: 17 Oct 2023 15:54

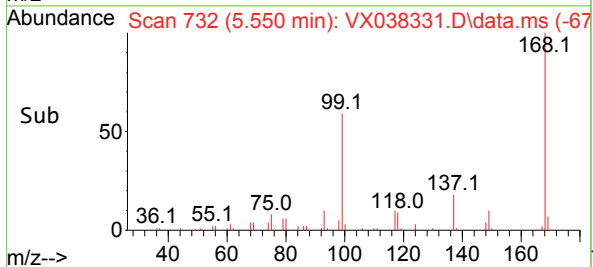
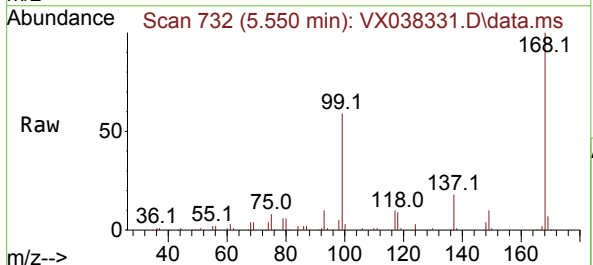
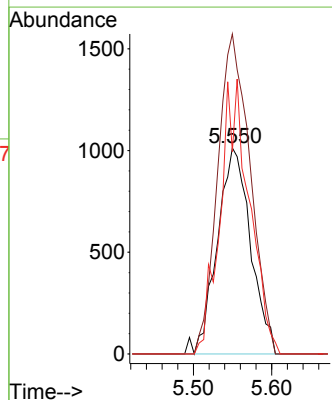
Tgt Ion: 56 Resp: 2990

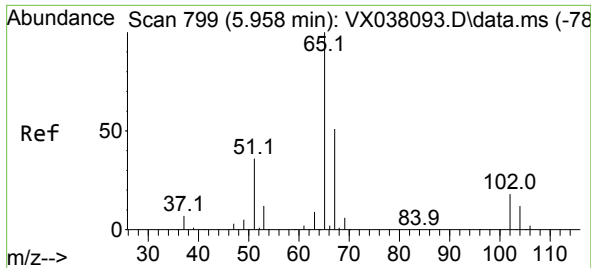
Ion Ratio Lower Upper

56 100

69 155.3 23.4 35.2#

84 98.2 65.9 98.9

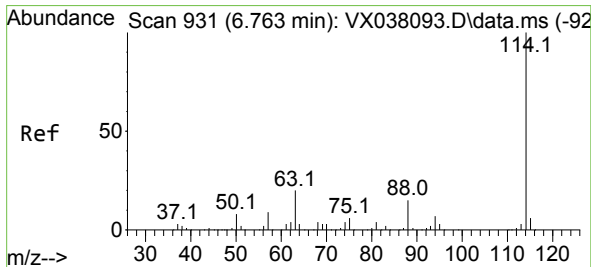
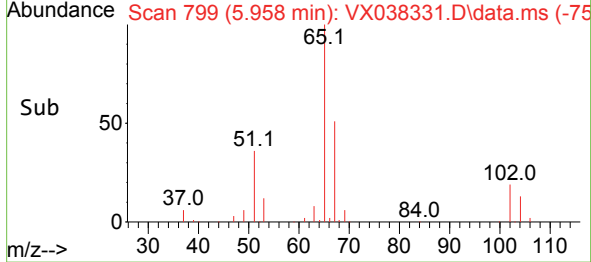
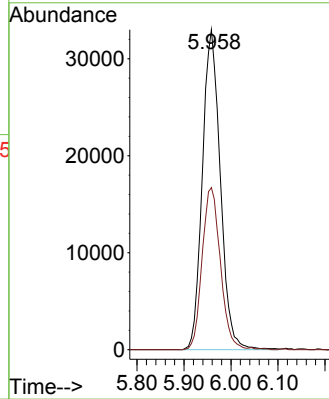
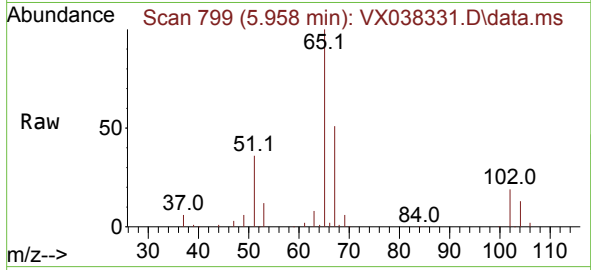




#33
 1,2-Dichloroethane-d4
 Concen: 44.817 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX038331.D
 Acq: 17 Oct 2023 15:54

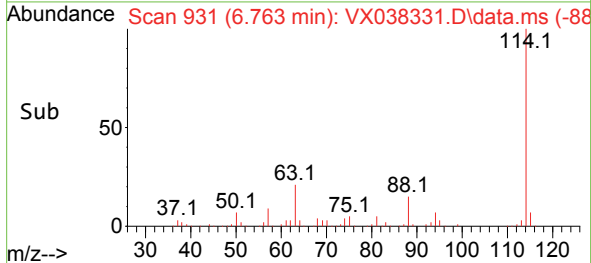
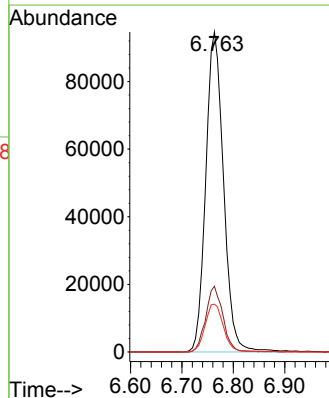
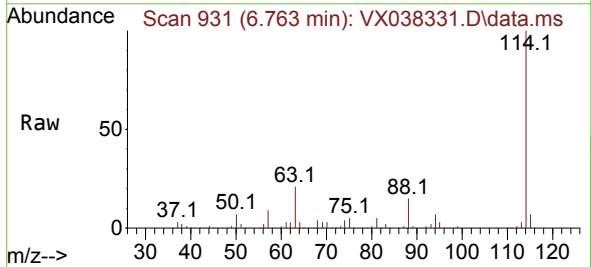
Instrument :
 MSVOA_X
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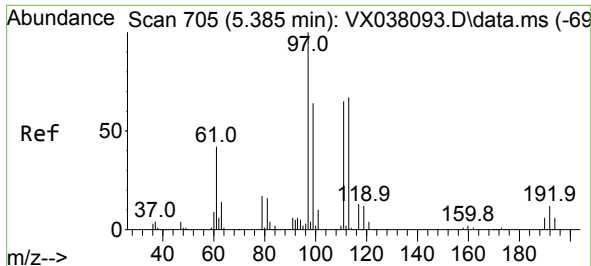
Tgt Ion: 65 Resp: 87692
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX038331.D
 Acq: 17 Oct 2023 15:54

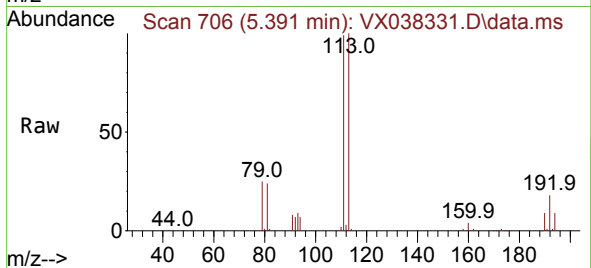
Tgt Ion:114 Resp: 226862
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 45.0
 88 14.9 0.0 36.6



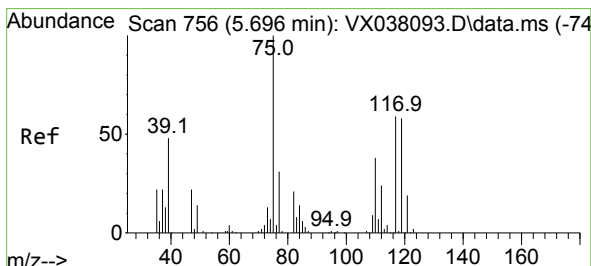
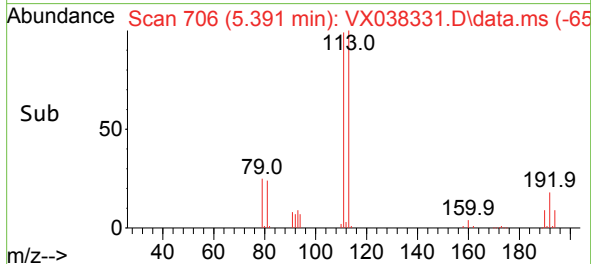
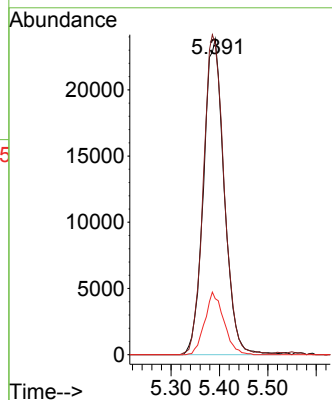


#35
Dibromofluoromethane
Concen: 43.300 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX038331.D
Acq: 17 Oct 2023 15:54

Instrument :
MSVOA_X
ClientSampleId :

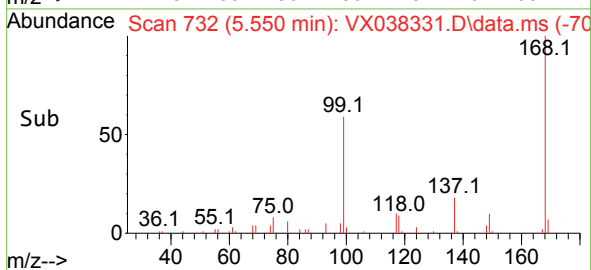
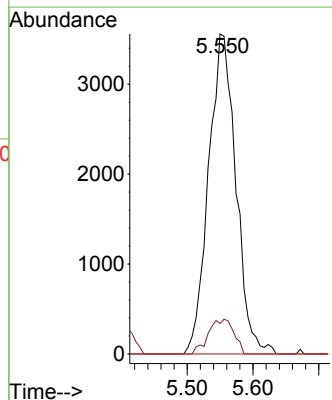
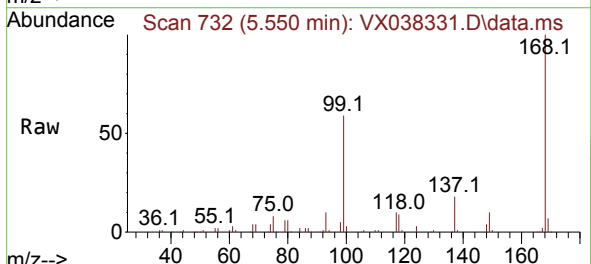


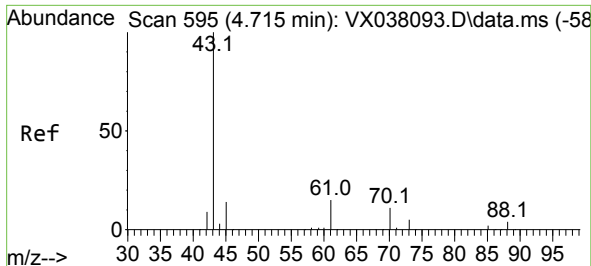
Tgt Ion:113 Resp: 70782
Ion Ratio Lower Upper
113 100
111 101.4 82.9 124.3
192 18.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.571 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038331.D
Acq: 17 Oct 2023 15:54

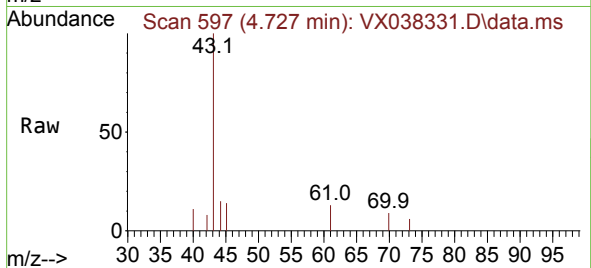
Tgt Ion: 75 Resp: 10303
Ion Ratio Lower Upper
75 100
110 10.1 17.0 50.9#
77 0.0 24.7 37.1#





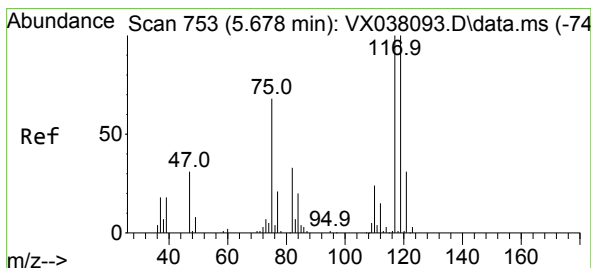
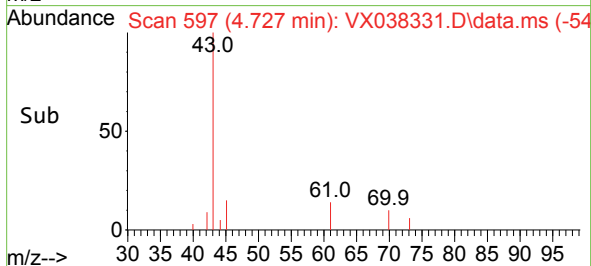
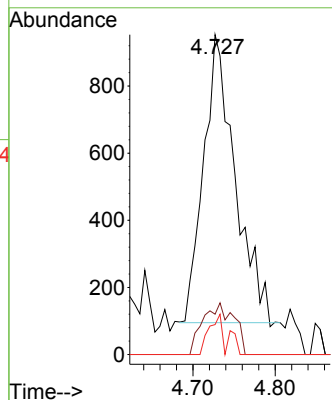
#37
Ethyl Acetate
Concen: 0.854 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.012 min
Lab File: VX038331.D
Acq: 17 Oct 2023 15:54

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 43 Resp: 2287

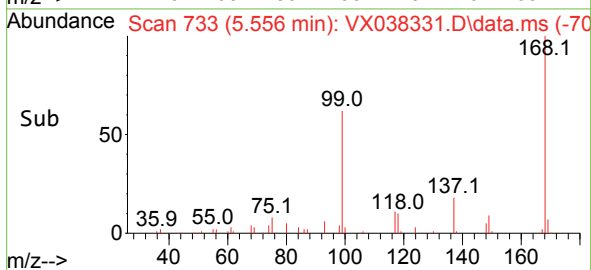
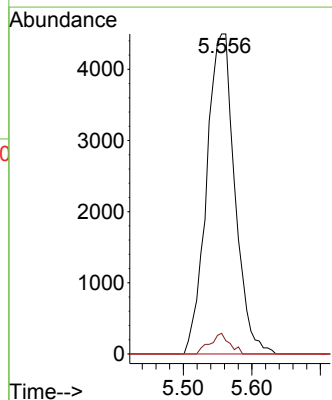
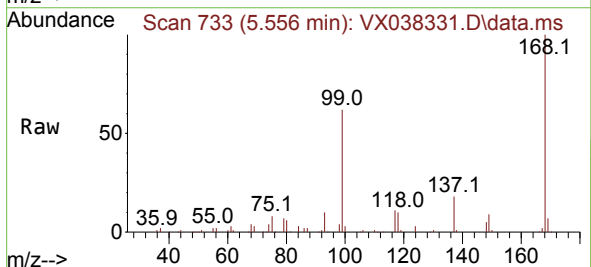
Ion	Ratio	Lower	Upper
43	100		
61	17.6	10.6	16.0#
70	7.7	8.3	12.5#

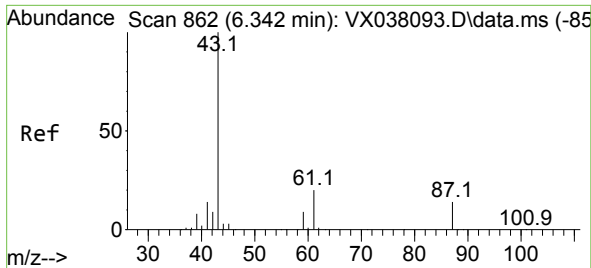


#38
Carbon Tetrachloride
Concen: 5.801 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX038331.D
Acq: 17 Oct 2023 15:54

Tgt Ion: 117 Resp: 12863

Ion	Ratio	Lower	Upper
117	100		
119	6.5	78.2	117.2#
121	0.0	24.4	36.6#

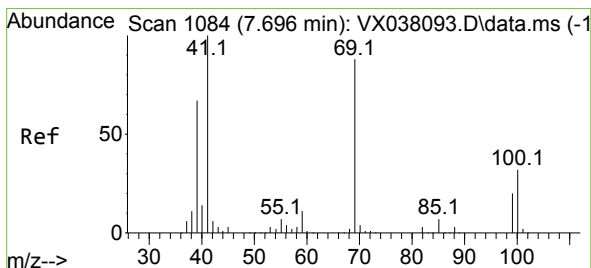
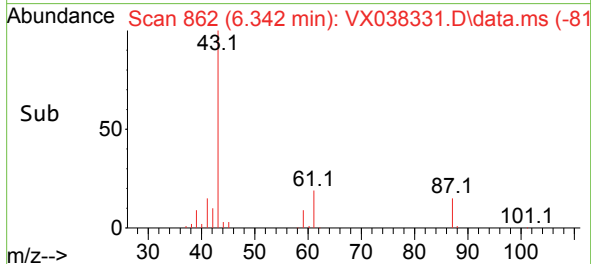
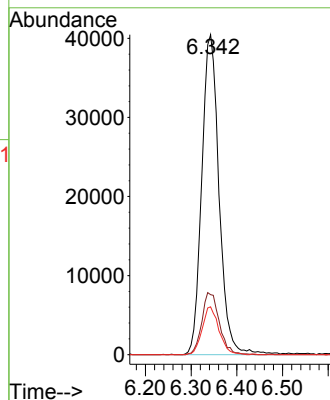
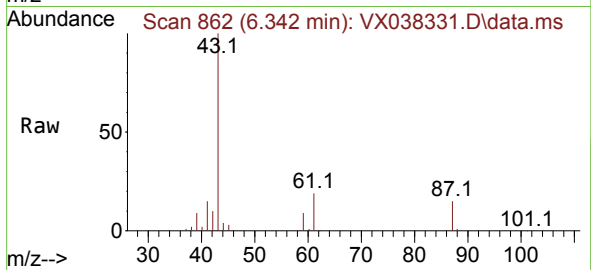




#43
Isopropyl Acetate
Concen: 26.609 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX038331.D
Acq: 17 Oct 2023 15:54

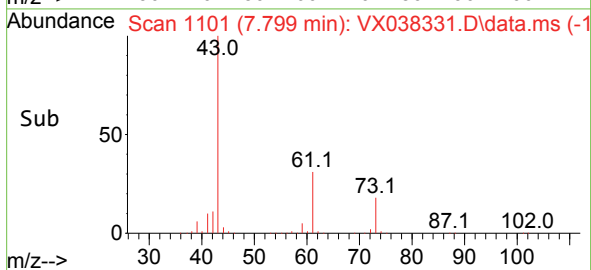
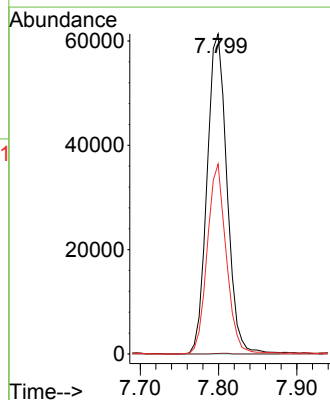
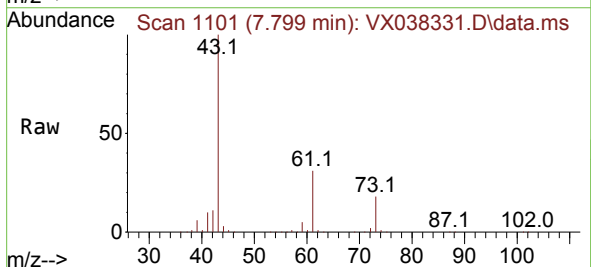
Instrument :
MSVOA_X
ClientSampleId :

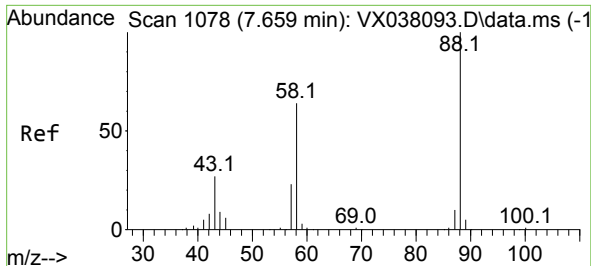
Tgt Ion: 43 Resp: 106345
Ion Ratio Lower Upper
43 100
61 19.6 15.2 22.8
87 14.5 9.8 14.6



#48
Methyl methacrylate
Concen: 56.729 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX038331.D
Acq: 17 Oct 2023 15:54

Tgt Ion: 41 Resp: 108233
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 56.9 47.7 71.5





#49

1,4-Dioxane

Concen: 0.425 ug/l

RT: 7.641 min Scan# 1075

Delta R.T. -0.018 min

Lab File: VX038331.D

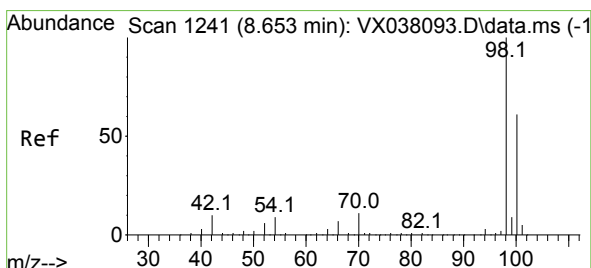
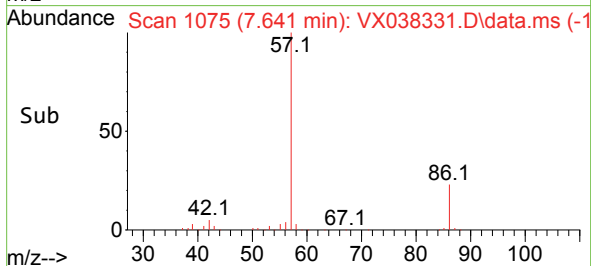
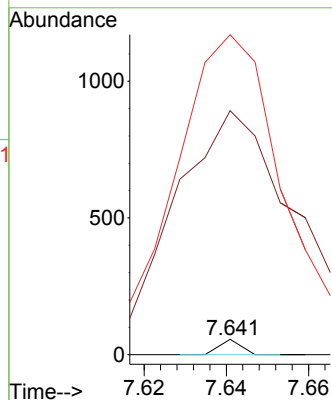
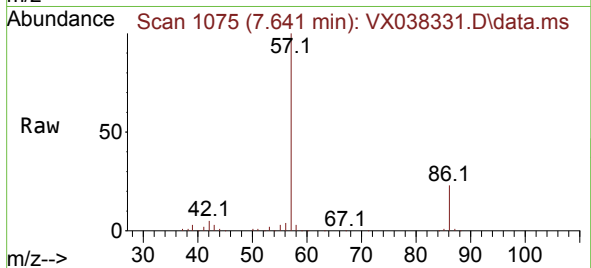
Acq: 17 Oct 2023 15:54

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 88	Resp: 20
Ion Ratio	Lower Upper
88	100
43	0.0 0.0 0.0
58	10855.0 60.1 90.1#



#50

Toluene-d8

Concen: 46.848 ug/l

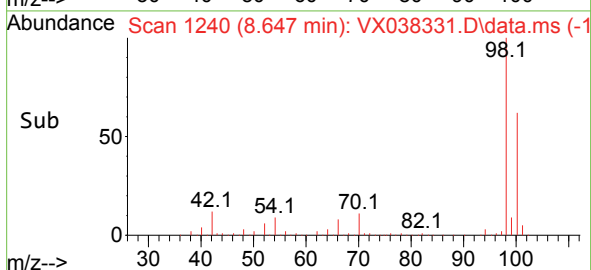
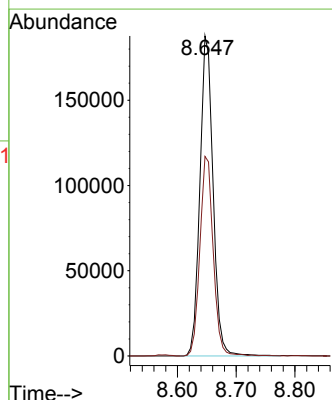
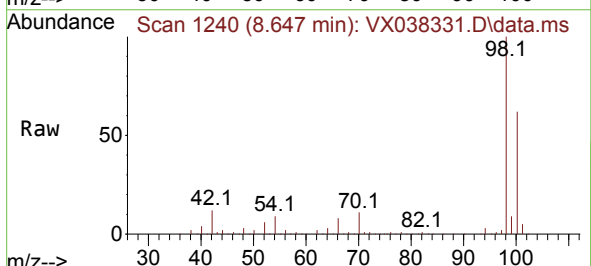
RT: 8.647 min Scan# 1240

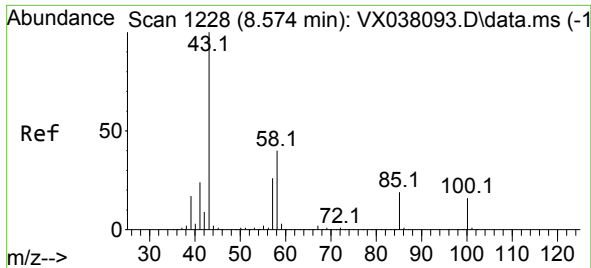
Delta R.T. -0.006 min

Lab File: VX038331.D

Acq: 17 Oct 2023 15:54

Tgt Ion: 98	Resp: 292638
Ion Ratio	Lower Upper
98	100
100	63.2 53.1 79.7

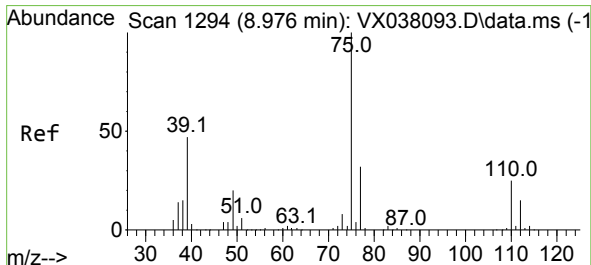
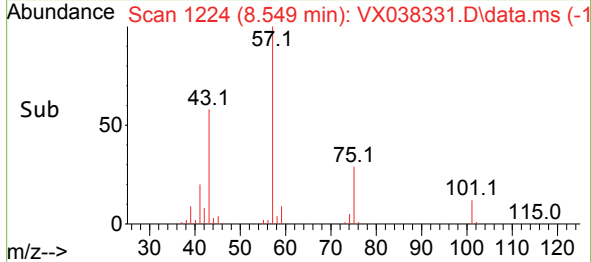
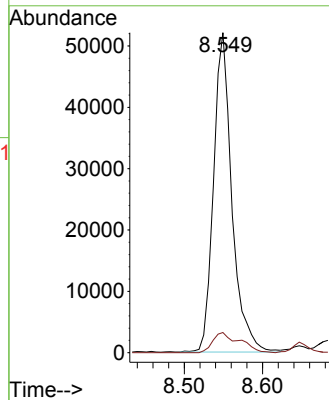
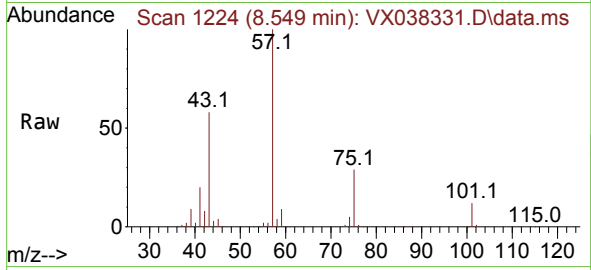




#51
4-Methyl-2-Pentanone
Concen: 30.740 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX038331.D
Acq: 17 Oct 2023 15:54

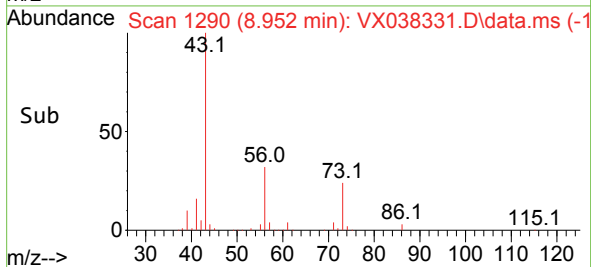
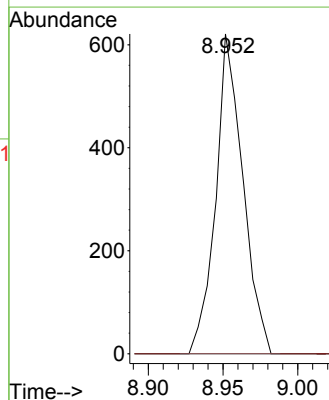
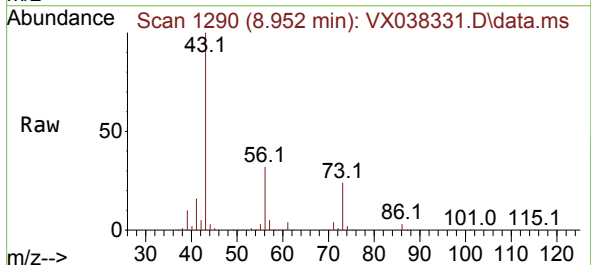
Instrument :
MSVOA_X
ClientSampleId :

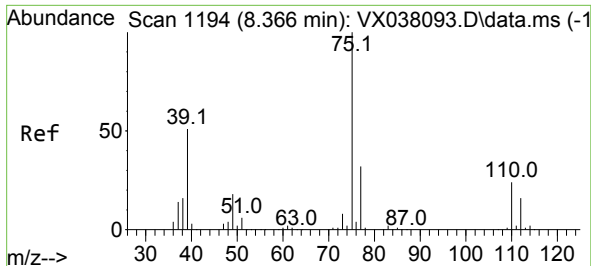
Tgt Ion: 43 Resp: 84739
Ion Ratio Lower Upper
43 100
58 9.3 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.324 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX038331.D
Acq: 17 Oct 2023 15:54

Tgt Ion: 75 Resp: 784
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

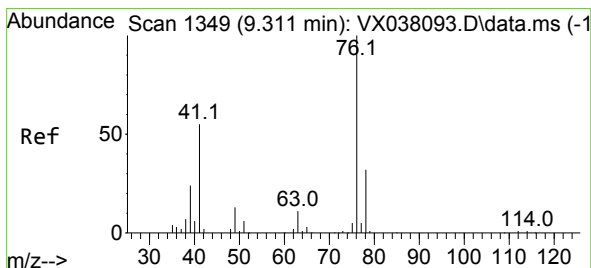
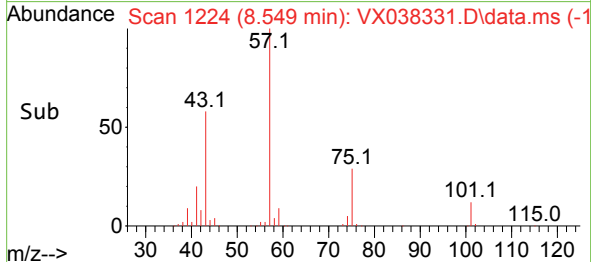
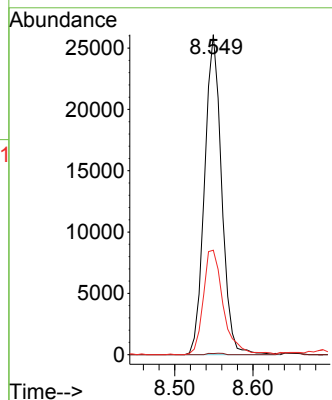
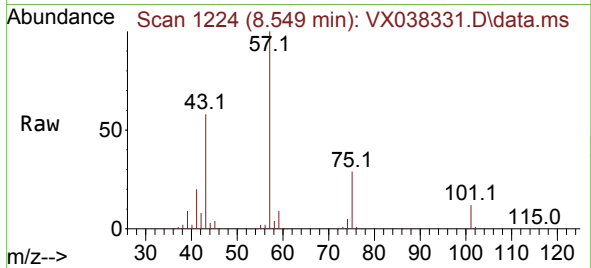




#54
 cis-1,3-Dichloropropene
 Concen: 15.529 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX038331.D
 Acq: 17 Oct 2023 15:54

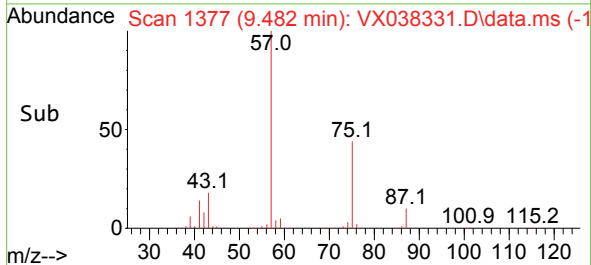
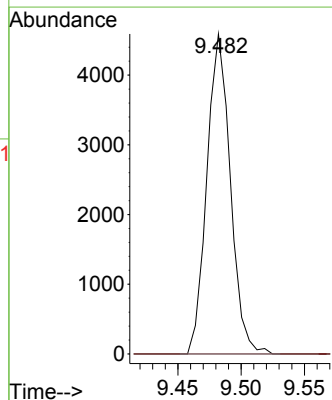
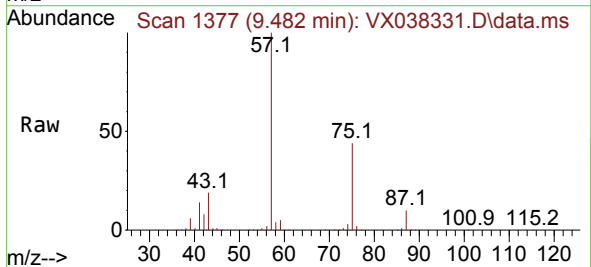
Instrument :
 MSVOA_X
 ClientSampleId :

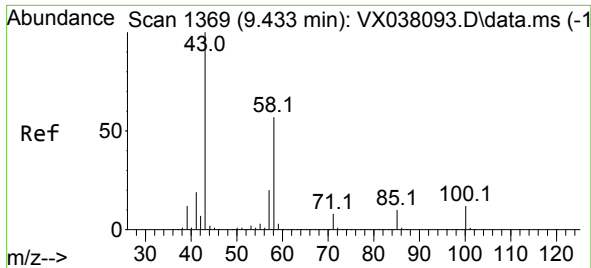
Tgt Ion: 75 Resp: 39431
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.3 37.9#
 39 32.7 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 2.086 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX038331.D
 Acq: 17 Oct 2023 15:54

Tgt Ion: 76 Resp: 5928
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

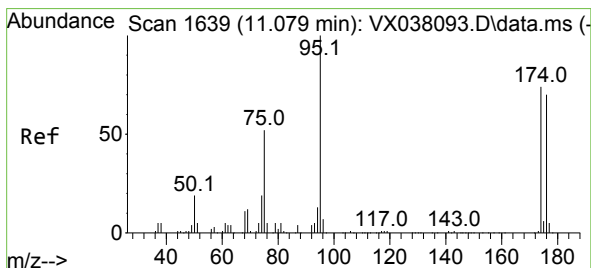
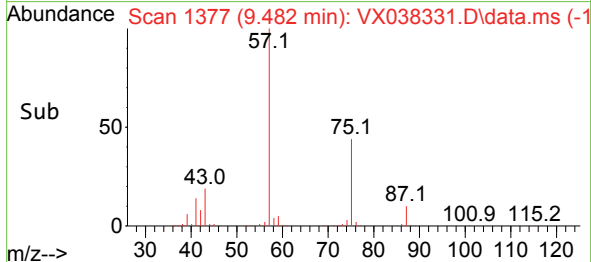
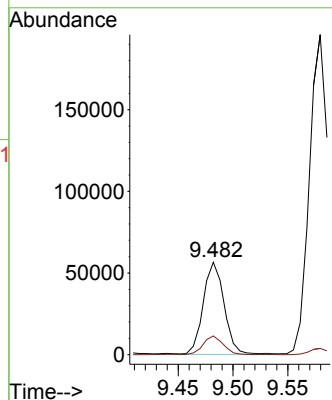
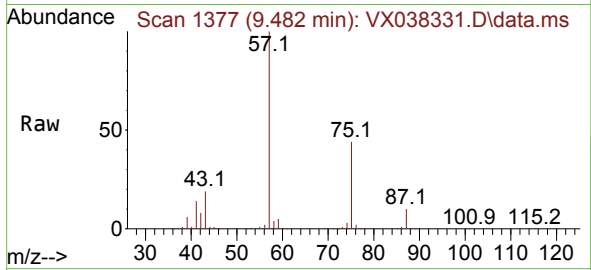




#59
2-Hexanone
Concen: 33.874 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX038331.D
Acq: 17 Oct 2023 15:54

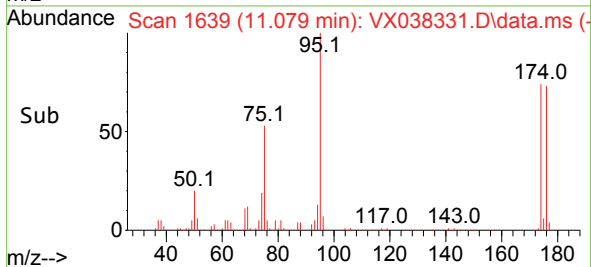
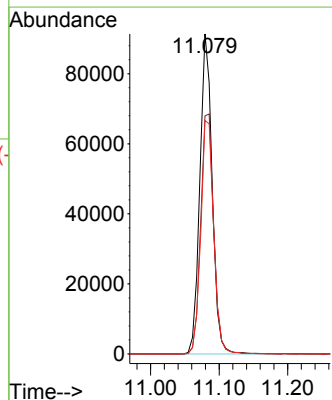
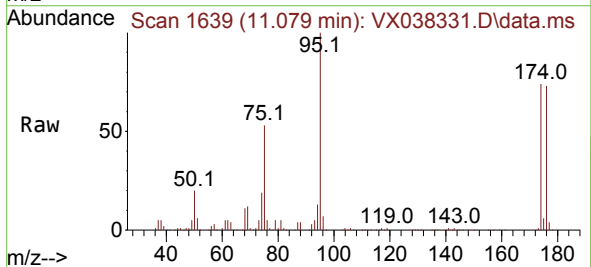
Instrument :
MSVOA_X
ClientSampleId :

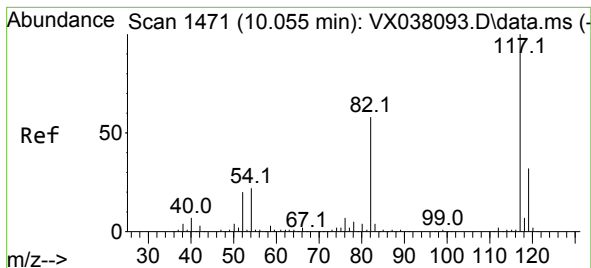
Tgt Ion: 43 Resp: 75070
Ion Ratio Lower Upper
43 100
58 20.1 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 48.343 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038331.D
Acq: 17 Oct 2023 15:54

Tgt Ion: 95 Resp: 114483
Ion Ratio Lower Upper
95 100
174 79.5 0.0 135.6
176 76.5 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: VX038331.D

Acq: 17 Oct 2023 15:54

Instrument :

MSVOA_X

ClientSampleId :

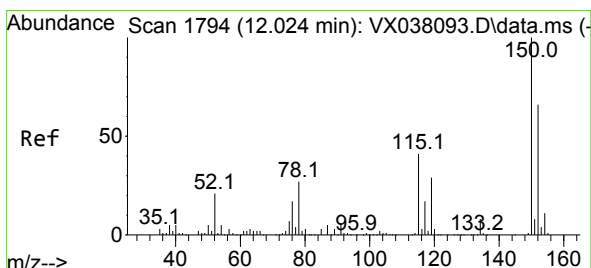
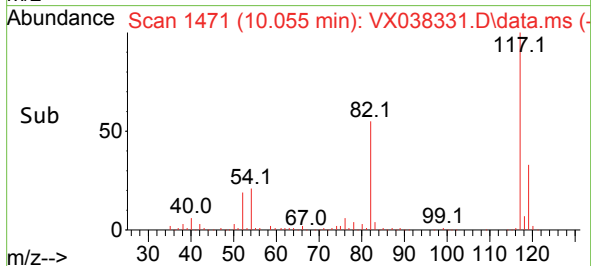
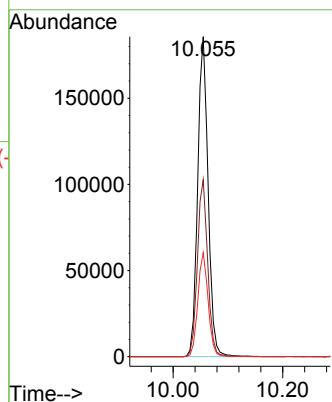
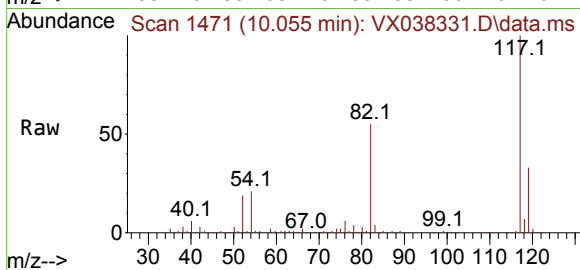
Tgt Ion:117 Resp: 246003

Ion Ratio Lower Upper

117 100

82 55.3 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: VX038331.D

Acq: 17 Oct 2023 15:54

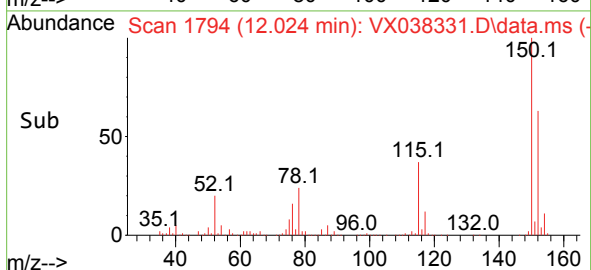
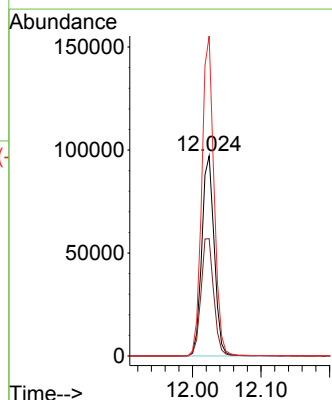
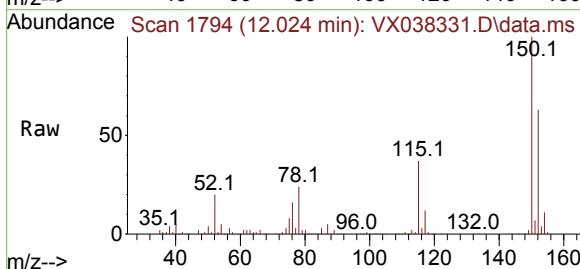
Tgt Ion:152 Resp: 123076

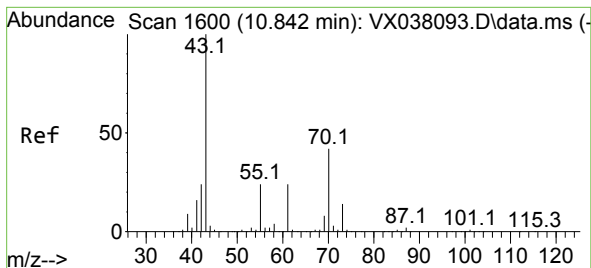
Ion Ratio Lower Upper

152 100

115 60.1 43.3 129.9

150 156.7 0.0 345.0





#74

N-amy1 acetate

Concen: 6.703 ug/l

RT: 10.640 min Scan# 1639

Delta R.T. -0.202 min

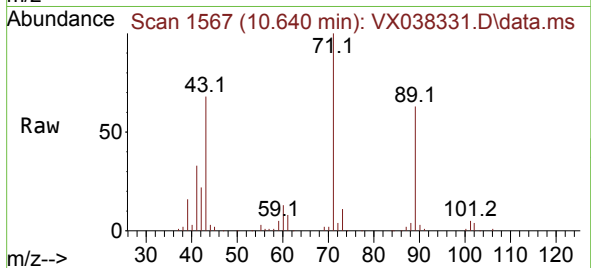
Lab File: VX038331.D

Acq: 17 Oct 2023 15:54

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 23627

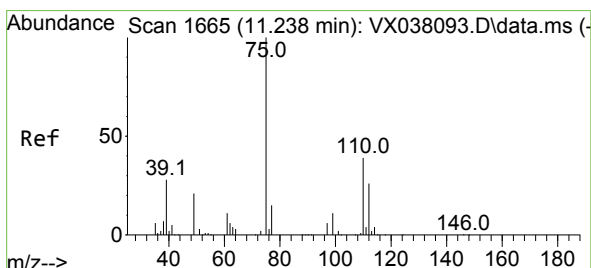
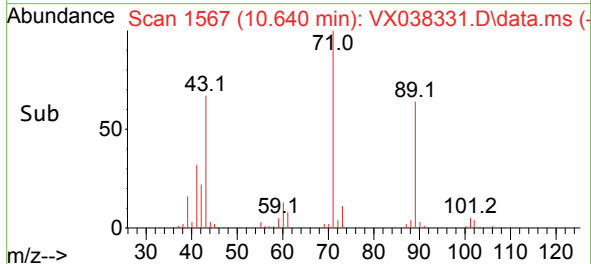
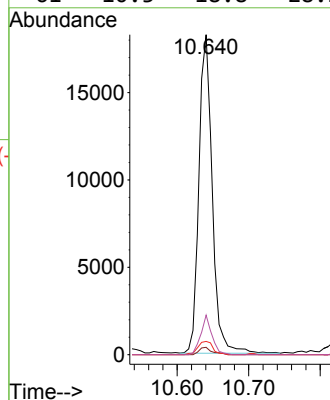
Ion Ratio Lower Upper

43 100

70 2.2 32.9 49.3#

55 4.7 19.3 28.9#

61 10.3 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 21.873 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038331.D

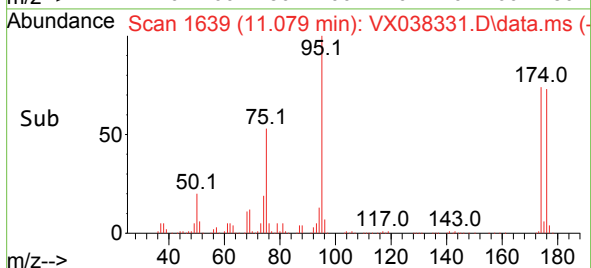
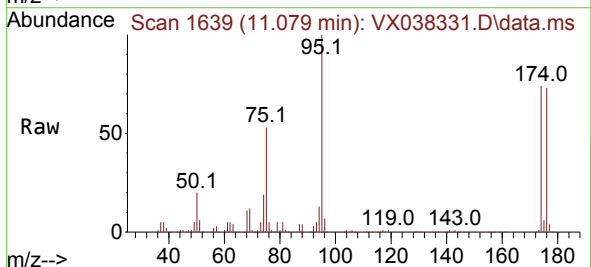
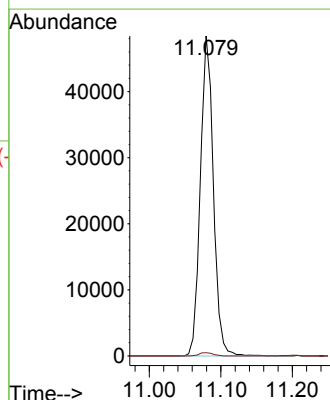
Acq: 17 Oct 2023 15:54

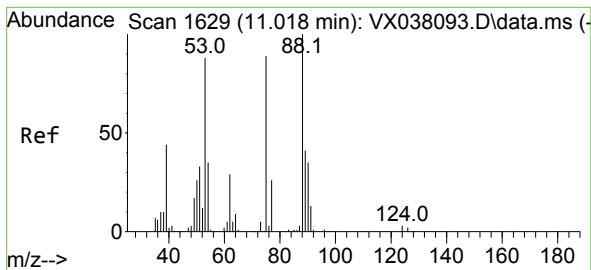
Tgt Ion: 75 Resp: 61200

Ion Ratio Lower Upper

75 100

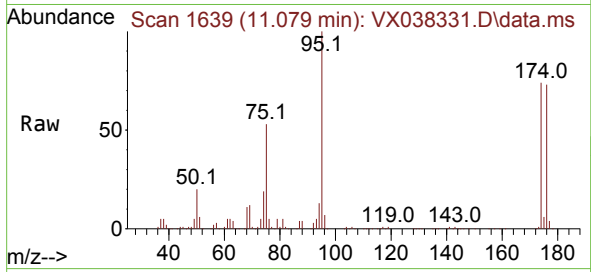
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.749 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038331.D
 Acq: 17 Oct 2023 15:54

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 61200
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

