

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101723\
 Data File : VX038329.D
 Acq On : 17 Oct 2023 15:08
 Operator : JC/MD
 Sample : PB156409ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 18 03:59:59 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)

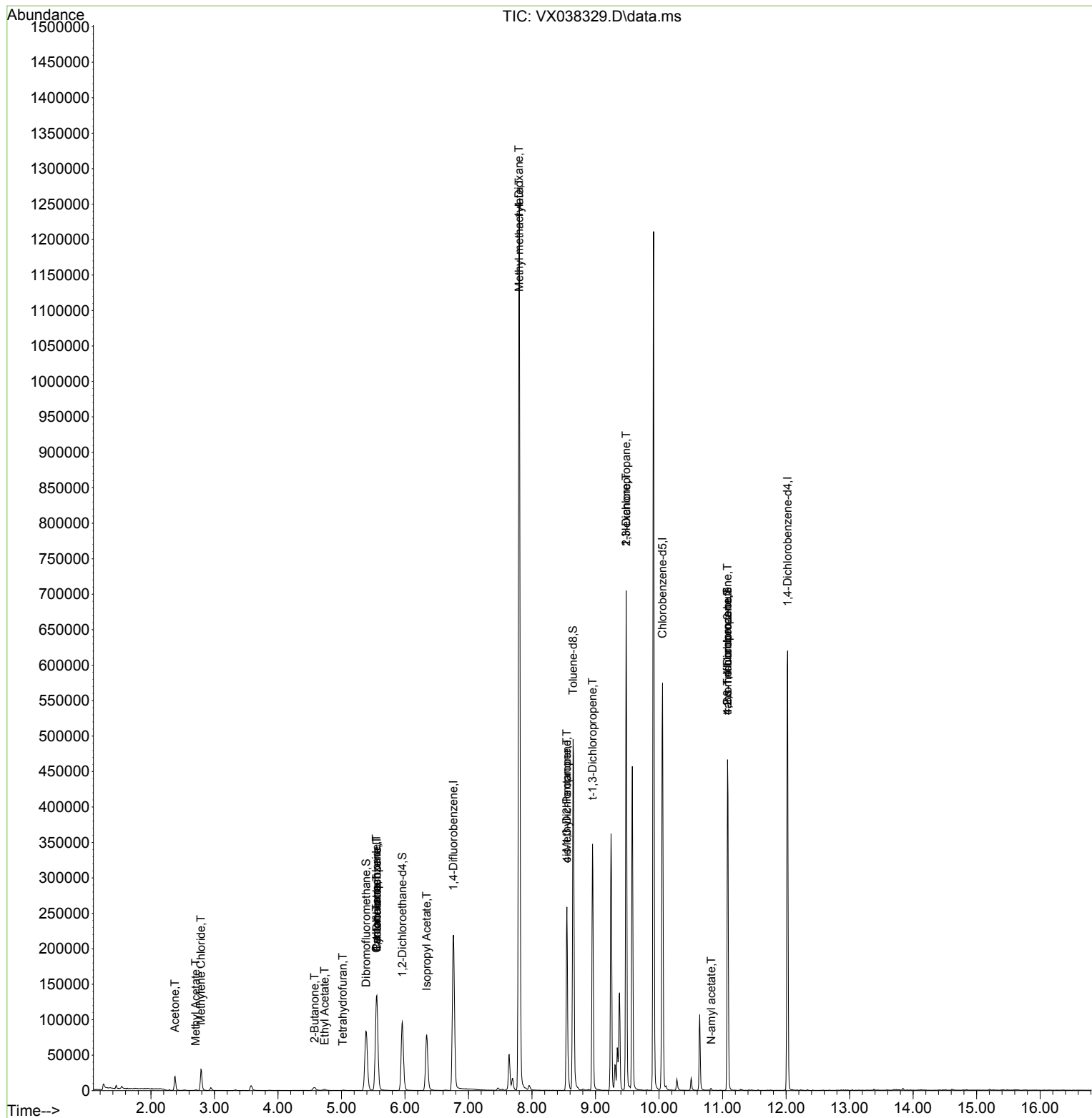
Internal Standards						
1) Pentafluorobenzene	5.556	168	124744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	230883	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	253609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	128715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	90631	45.170	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.340%		
35) Dibromofluoromethane	5.385	113	72325	43.474	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.940%		
50) Toluene-d8	8.647	98	304470	47.893	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.780%		
62) 4-Bromofluorobenzene	11.079	95	119788	49.703	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.400%		
Target Compounds						Qvalue
5) Bromomethane	1.587	94	20	Below Cal	#	3
6) Chloroethane	1.691	64	168	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	2191	Below Cal	#	78
16) Acetone	2.380	43	20936	25.002	ug/l	90
18) Methyl Acetate	2.703	43	1216	0.339	ug/l #	88
20) Methylene Chloride	2.788	84	13626	8.651	ug/l	91
25) 2-Butanone	4.574	43	3207	2.374	ug/l	90
29) Tetrahydrofuran	5.019	42	482	0.548	ug/l #	72
31) Cyclohexane	5.556	56	3094	1.423	ug/l #	10
36) 1,1-Dichloropropene	5.556	75	10532	4.591	ug/l #	51
37) Ethyl Acetate	4.733	43	2947	1.082	ug/l #	90
38) Carbon Tetrachloride	5.550	117	13141	5.823	ug/l #	14
43) Isopropyl Acetate	6.342	43	105423	25.919	ug/l	97
48) Methyl methacrylate	7.799	41	108651	55.956	ug/l #	50
49) 1,4-Dioxane	7.793	88	180	3.762	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	86454	30.816	ug/l #	52
53) t-1,3-Dichloropropene	8.952	75	812	0.330	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	40347	15.613	ug/l #	62
57) 1,3-Dichloropropane	9.482	76	5739	1.985	ug/l #	42
59) 2-Hexanone	9.482	43	76093	33.738	ug/l #	53
74) N-amyl acetate	10.823	43	928	0.252	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	64947	22.195	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	64947	63.614	ug/l #	5

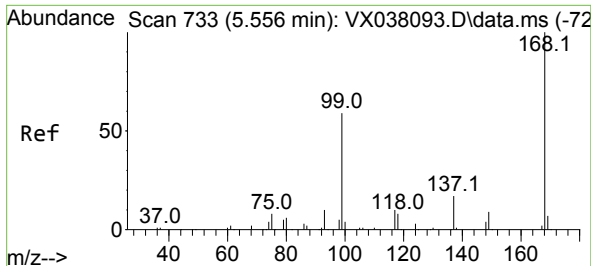
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101723\
Data File : VX038329.D
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ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

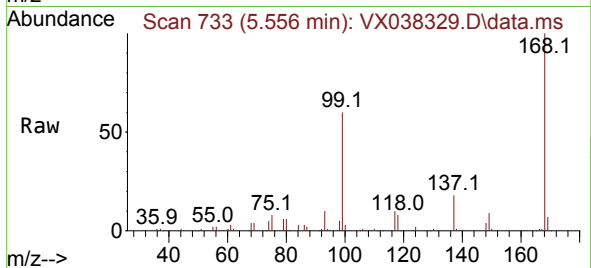
Quant Time: Oct 18 03:59:59 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration



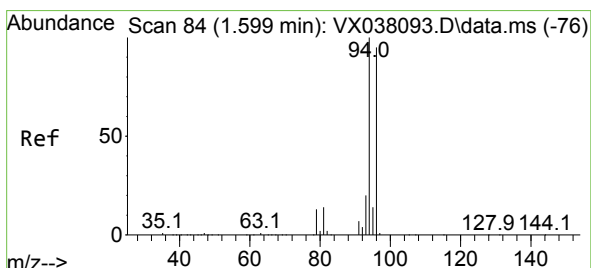
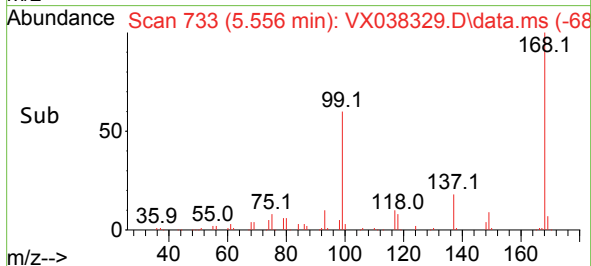
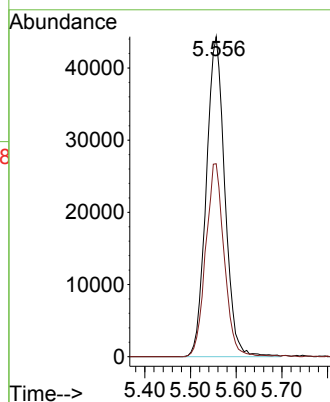


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038329.D
Acq: 17 Oct 2023 15:08

Instrument :
MSVOA_X
ClientSampleId :

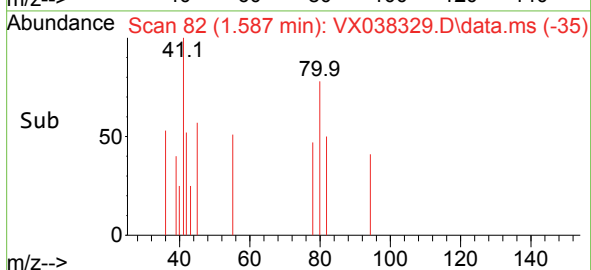
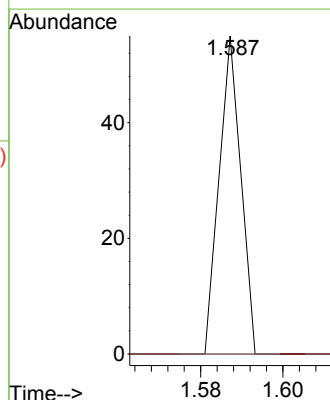
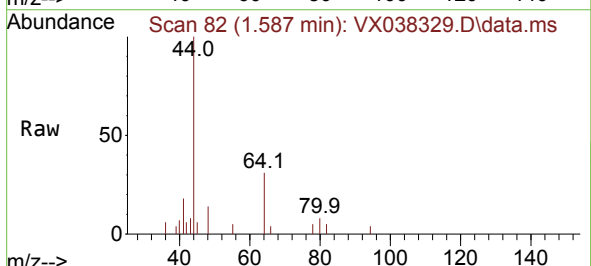


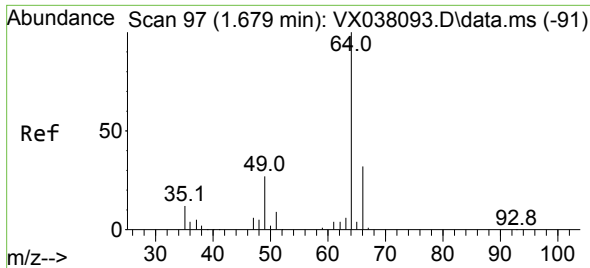
Tgt Ion:168 Resp: 124744
Ion Ratio Lower Upper
168 100
99 60.3 56.6 85.0



#5
Bromomethane
Concen: Below Cal
RT: 1.587 min Scan# 82
Delta R.T. -0.012 min
Lab File: VX038329.D
Acq: 17 Oct 2023 15:08

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

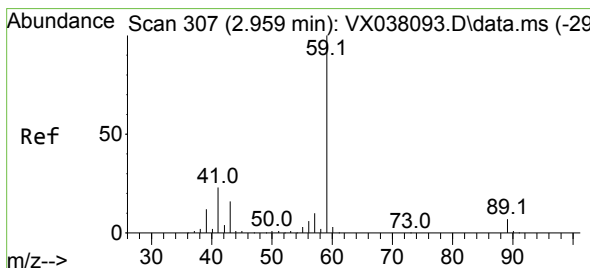
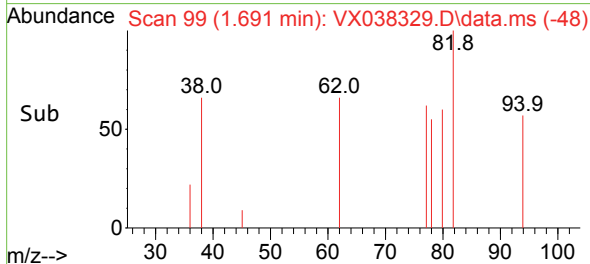
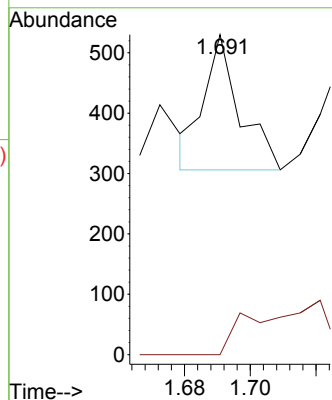
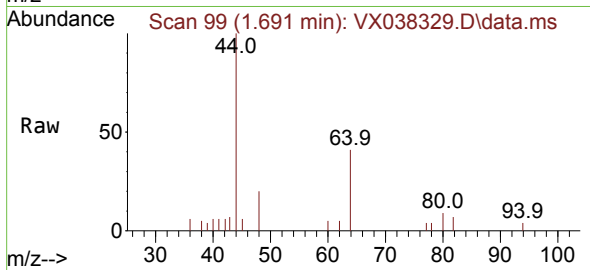




#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX038329.D
Acq: 17 Oct 2023 15:08

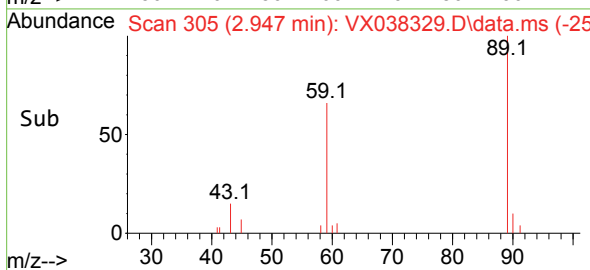
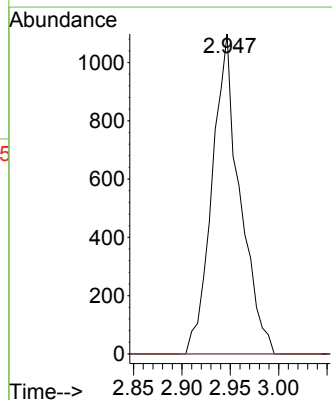
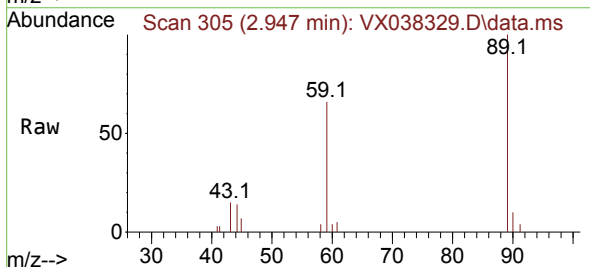
Instrument :
MSVOA_X
ClientSampleId :

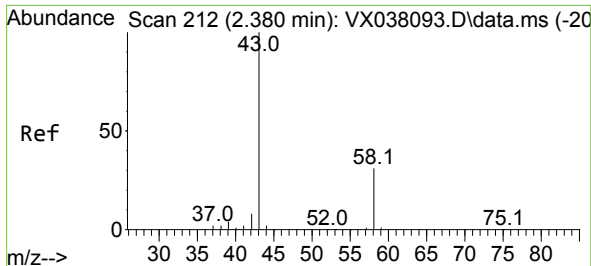
Tgt Ion: 64 Resp: 168
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX038329.D
Acq: 17 Oct 2023 15:08

Tgt Ion: 59 Resp: 2191
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

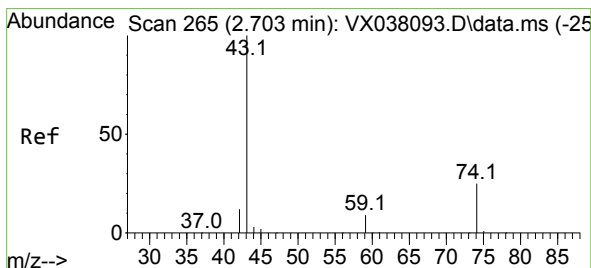
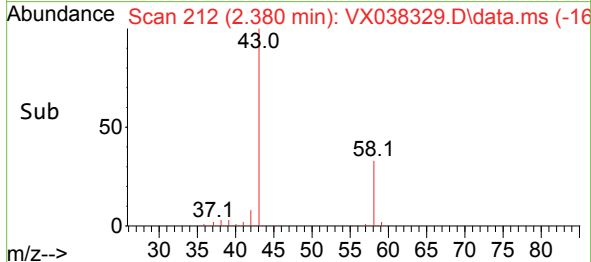
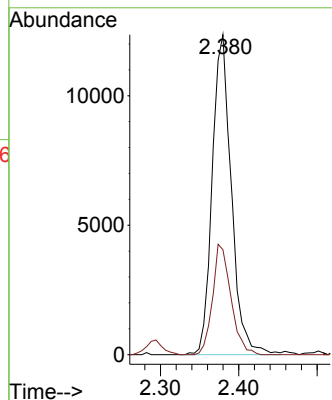
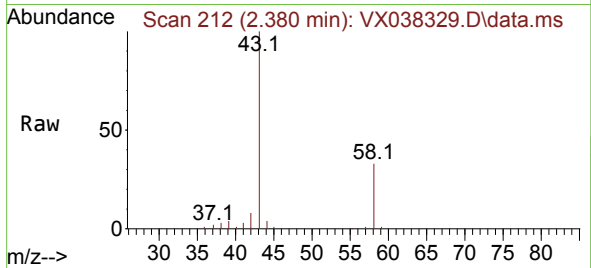




#16
Acetone
Concen: 25.002 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038329.D
Acq: 17 Oct 2023 15:08

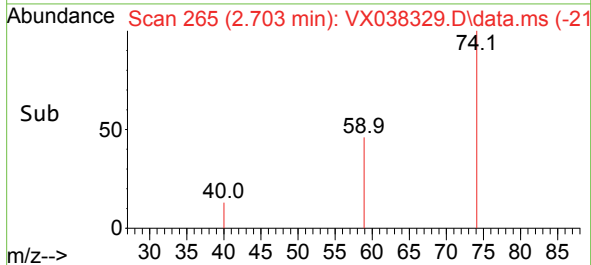
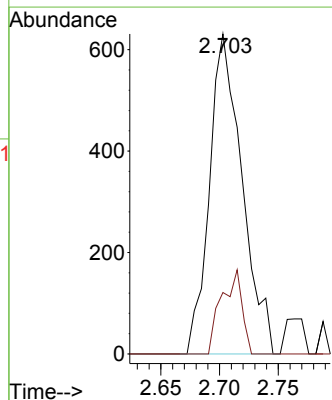
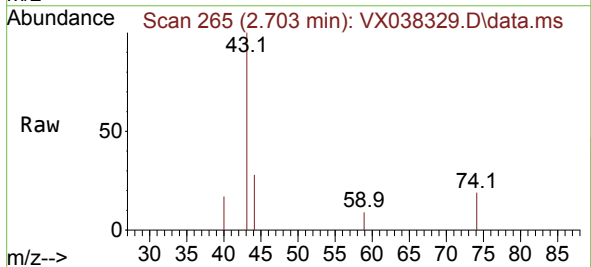
Instrument :
MSVOA_X
ClientSampleId :

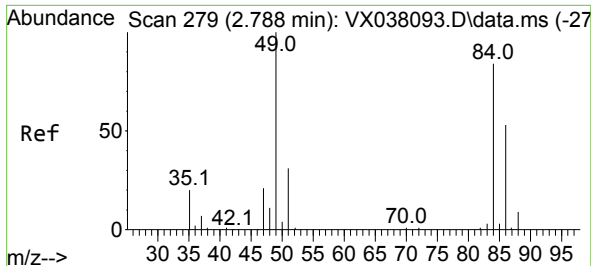
Tgt Ion: 43 Resp: 20936
Ion Ratio Lower Upper
43 100
58 32.8 21.9 32.9



#18
Methyl Acetate
Concen: 0.339 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX038329.D
Acq: 17 Oct 2023 15:08

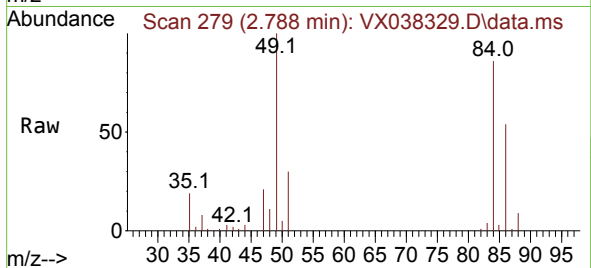
Tgt Ion: 43 Resp: 1216
Ion Ratio Lower Upper
43 100
74 16.7 17.8 26.8#



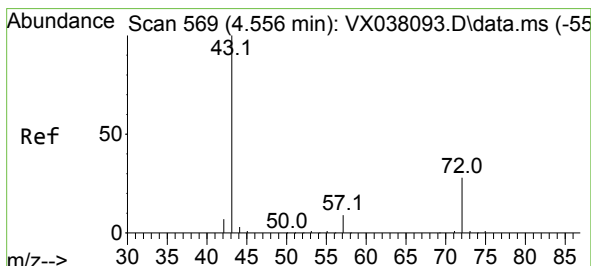
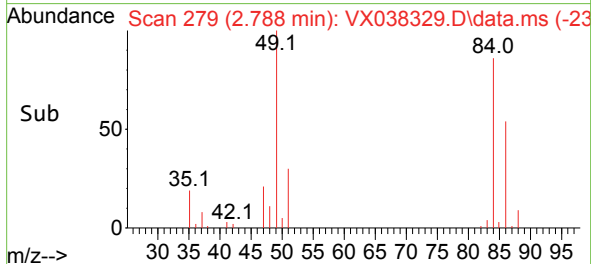
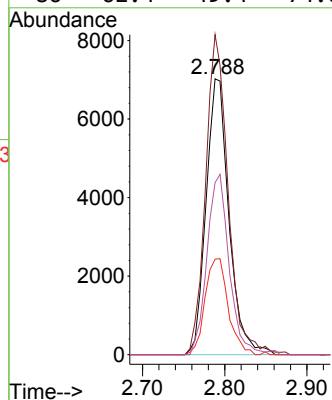


#20
Methylene Chloride
Concen: 8.651 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX038329.D
Acq: 17 Oct 2023 15:08

Instrument :
MSVOA_X
ClientSampleId :

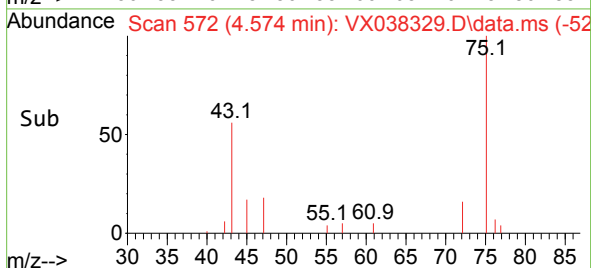
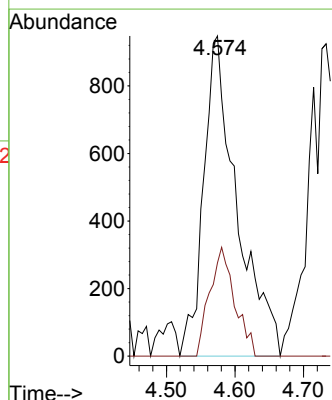
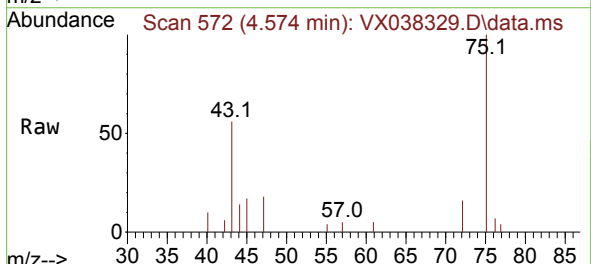


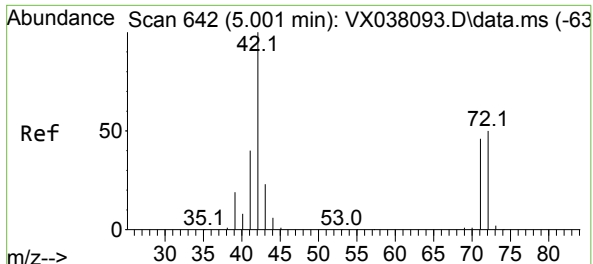
Tgt Ion: 84	Resp: 13626
Ion Ratio	Lower Upper
84 100	
49 116.0	103.6 155.4
51 34.6	33.8 50.6
86 62.4	49.4 74.0



#25
2-Butanone
Concen: 2.374 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX038329.D
Acq: 17 Oct 2023 15:08

Tgt Ion: 43	Resp: 3207		
Ion Ratio	Lower	Upper	
43 100			
72 29.1	19.4	29.2	





#29

Tetrahydrofuran

Concen: 0.548 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.018 min

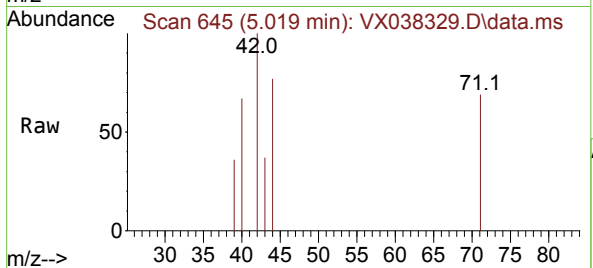
Lab File: VX038329.D

Acq: 17 Oct 2023 15:08

Instrument :

MSVOA_X

ClientSampleId :



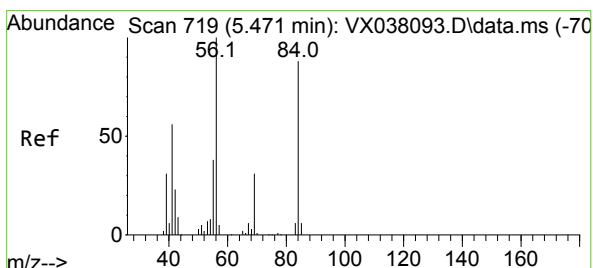
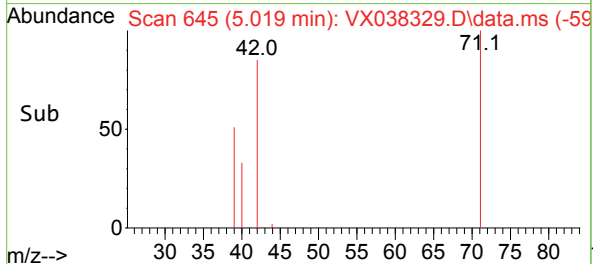
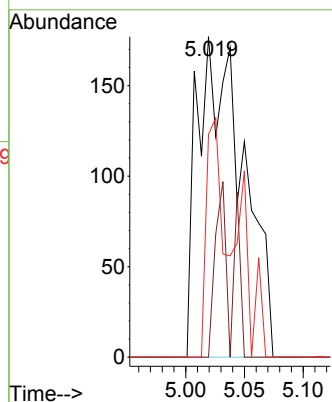
Tgt Ion: 42 Resp: 482

Ion Ratio Lower Upper

42 100

72 19.5 34.2 51.4#

71 28.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.423 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX038329.D

Acq: 17 Oct 2023 15:08

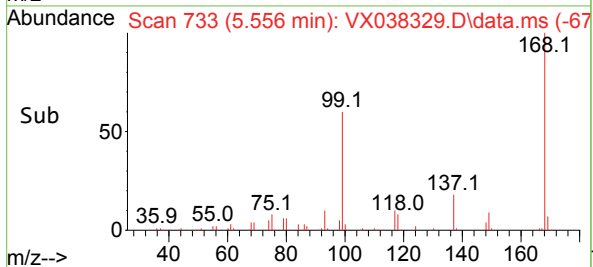
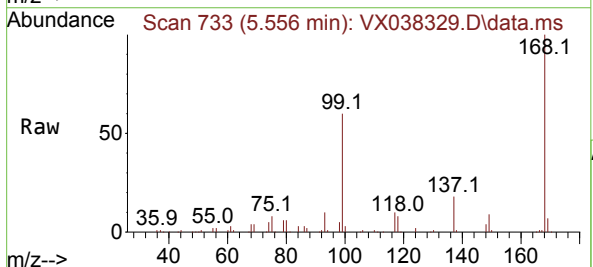
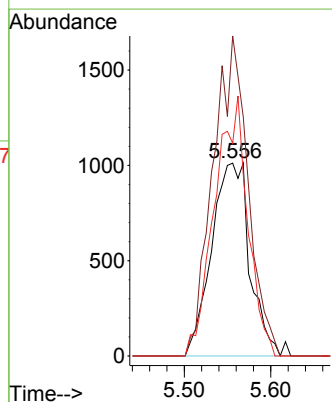
Tgt Ion: 56 Resp: 3094

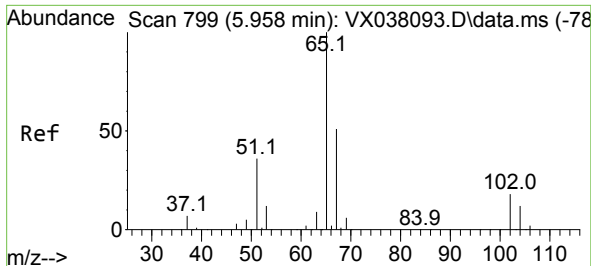
Ion Ratio Lower Upper

56 100

69 165.9 23.4 35.2#

84 110.3 65.9 98.9#

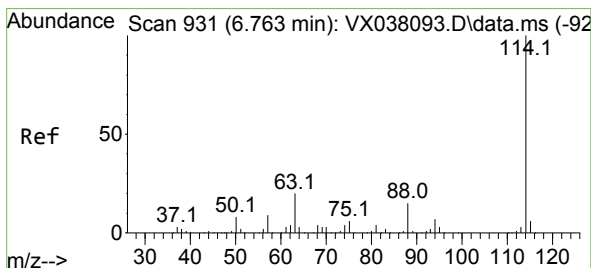
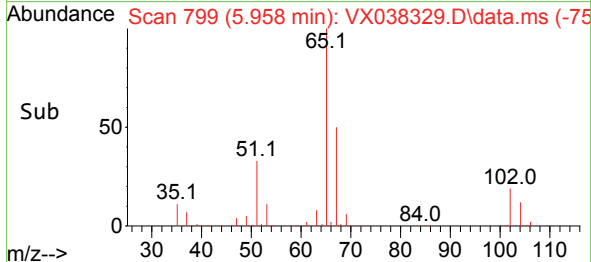
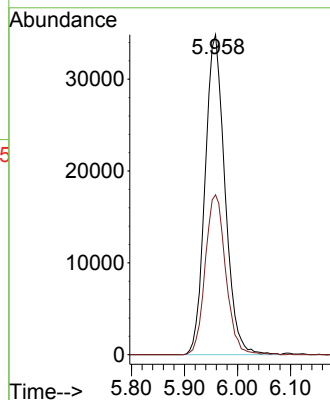
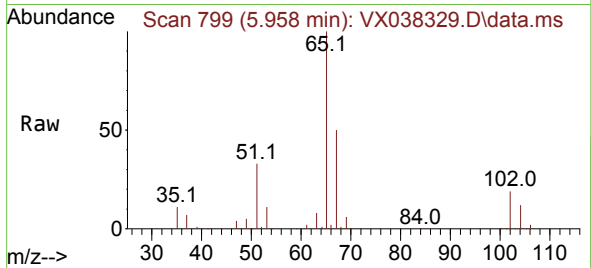




#33
1,2-Dichloroethane-d4
Concen: 45.170 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038329.D
Acq: 17 Oct 2023 15:08

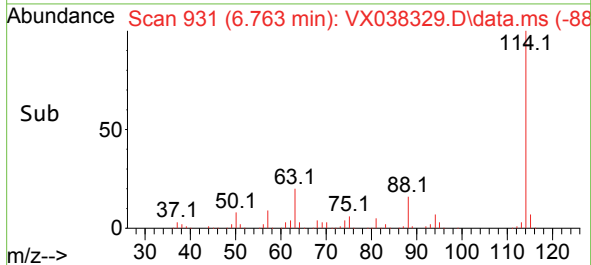
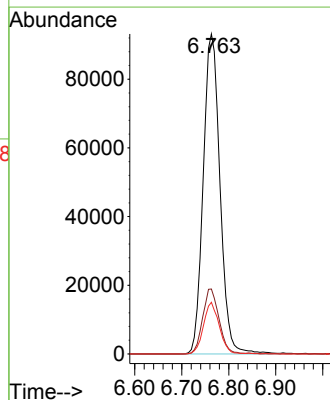
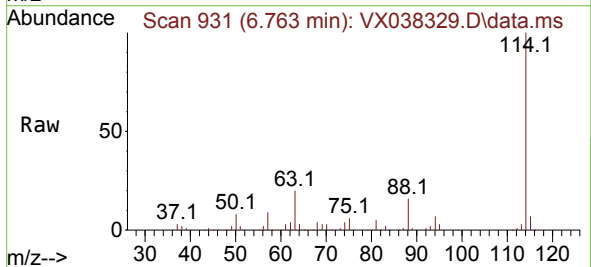
Instrument :
MSVOA_X
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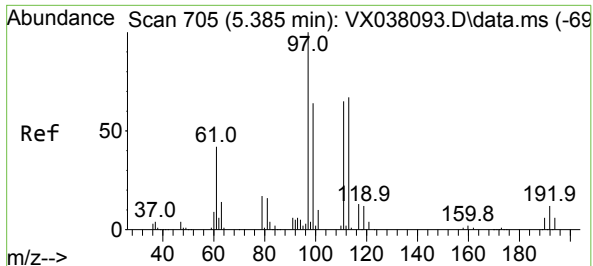
Tgt Ion: 65 Resp: 90631
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX038329.D
Acq: 17 Oct 2023 15:08

Tgt Ion:114 Resp: 230883
Ion Ratio Lower Upper
114 100
63 20.3 0.0 45.0
88 16.2 0.0 36.6





#35

Dibromofluoromethane

Concen: 43.474 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

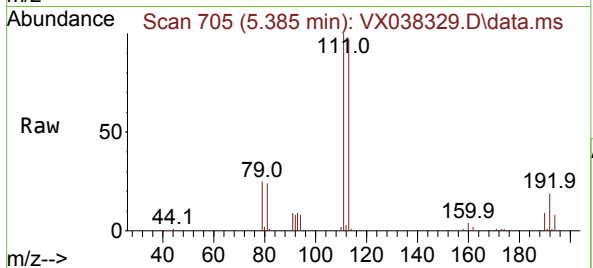
Lab File: VX038329.D

Acq: 17 Oct 2023 15:08

Instrument :

MSVOA_X

ClientSampleId :



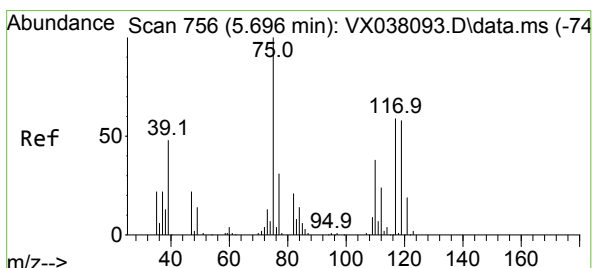
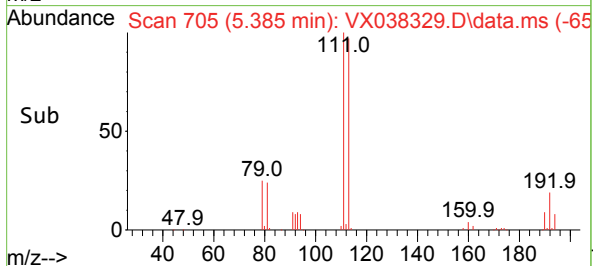
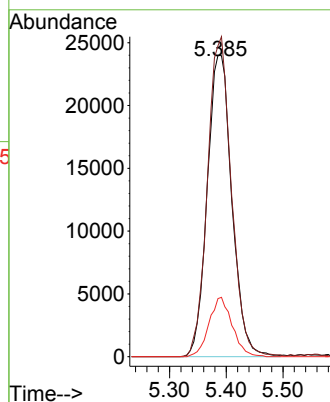
Tgt Ion:113 Resp: 72325

Ion Ratio Lower Upper

113 100

111 103.3 82.9 124.3

192 18.5 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.591 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX038329.D

Acq: 17 Oct 2023 15:08

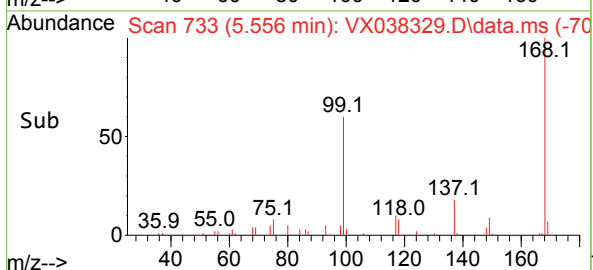
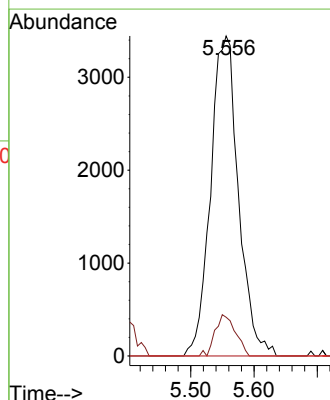
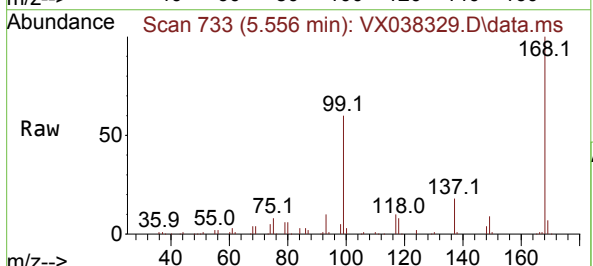
Tgt Ion: 75 Resp: 10532

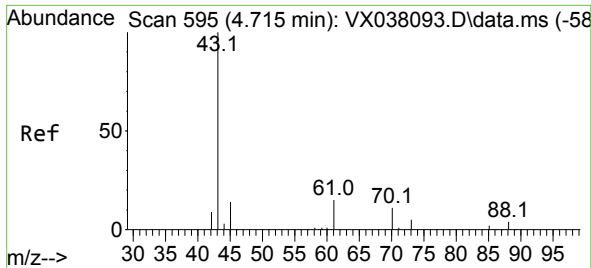
Ion Ratio Lower Upper

75 100

110 9.4 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.082 ug/l

RT: 4.733 min Scan# 595

Delta R.T. 0.018 min

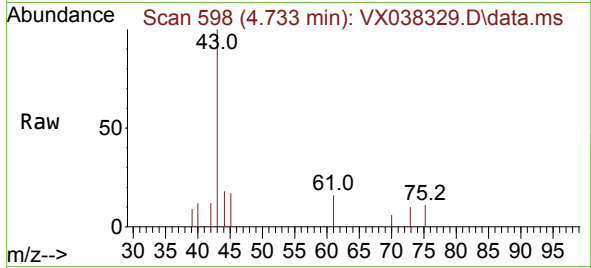
Lab File: VX038329.D

Acq: 17 Oct 2023 15:08

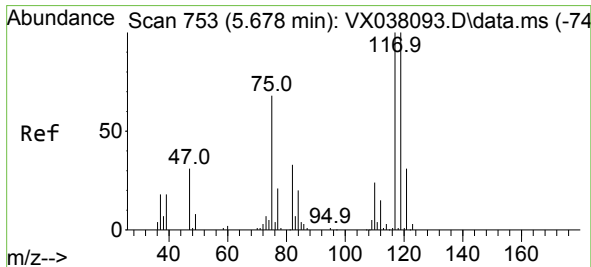
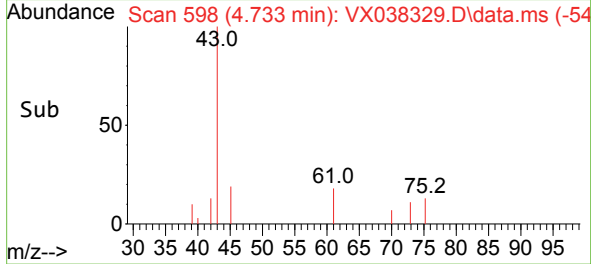
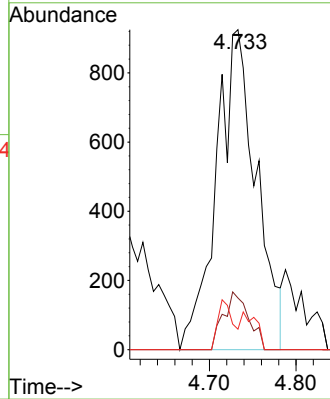
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 2947
Ion Ratio	Lower Upper
43	100
61	11.5 10.6 16.0
70	4.4 8.3 12.5



#38

Carbon Tetrachloride

Concen: 5.823 ug/l

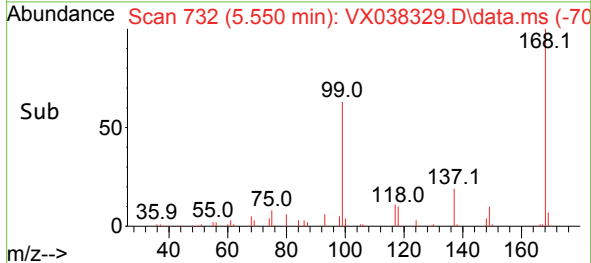
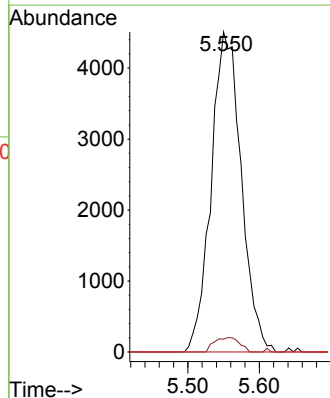
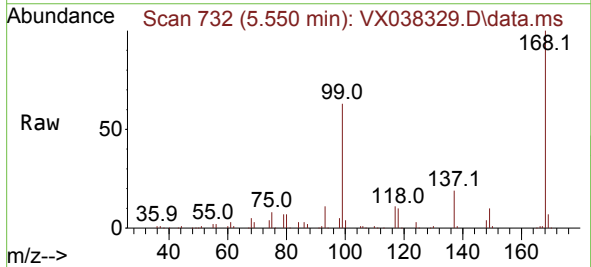
RT: 5.550 min Scan# 732

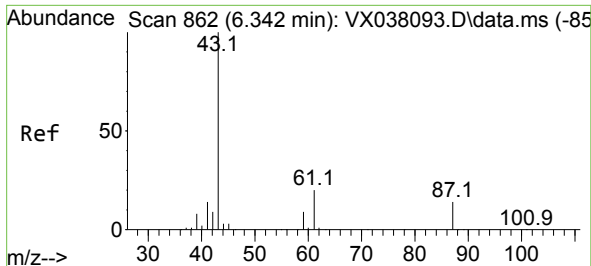
Delta R.T. -0.128 min

Lab File: VX038329.D

Acq: 17 Oct 2023 15:08

Tgt Ion: 117	Resp: 13141
Ion Ratio	Lower Upper
117	100
119	4.0 78.2 117.2
121	0.0 24.4 36.6





#43

Isopropyl Acetate

Concen: 25.919 ug/l

RT: 6.342 min Scan# 80

Delta R.T. 0.000 min

Lab File: VX038329.D

Acq: 17 Oct 2023 15:08

Instrument :

MSVOA_X

ClientSampleId :

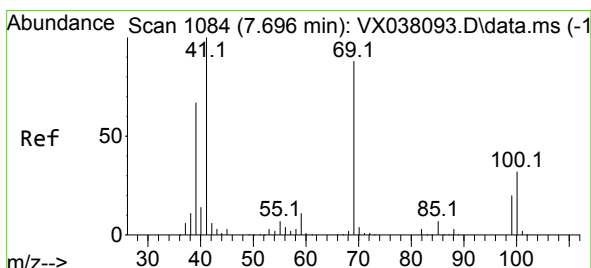
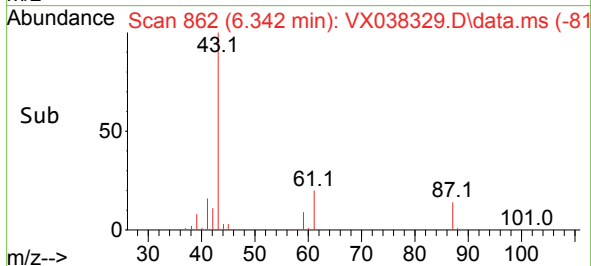
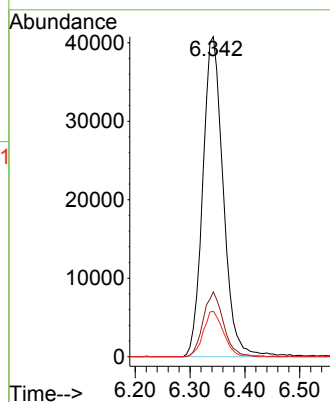
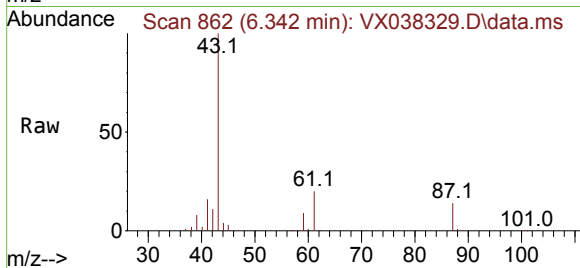
Tgt Ion: 43 Resp: 105423

Ion Ratio Lower Upper

43 100

61 20.0 15.2 22.8

87 14.0 9.8 14.6



#48

Methyl methacrylate

Concen: 55.956 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.109 min

Lab File: VX038329.D

Acq: 17 Oct 2023 15:08

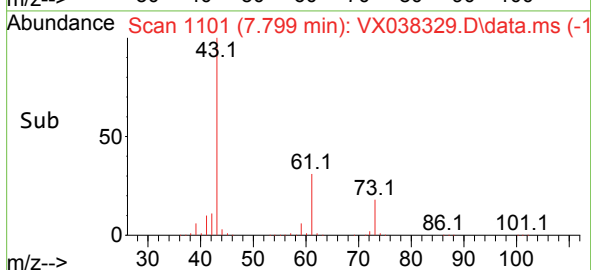
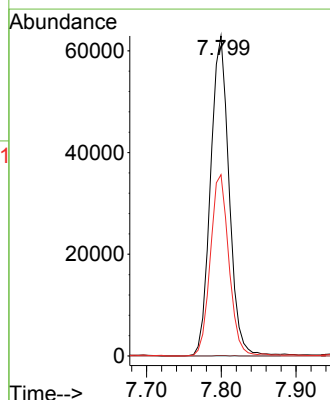
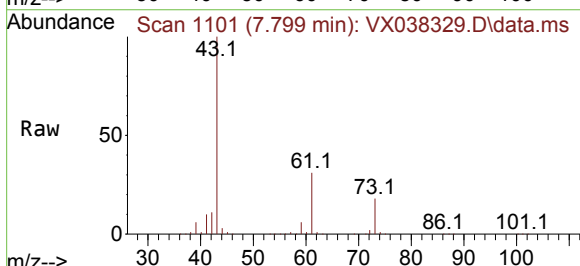
Tgt Ion: 41 Resp: 108651

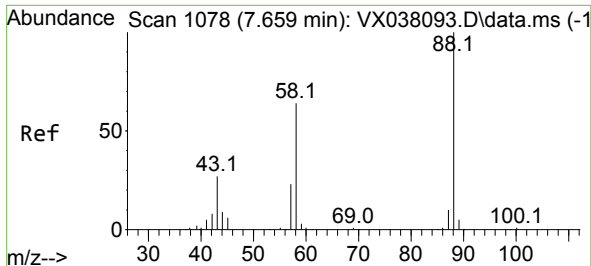
Ion Ratio Lower Upper

41 100

69 0.1 59.2 88.8#

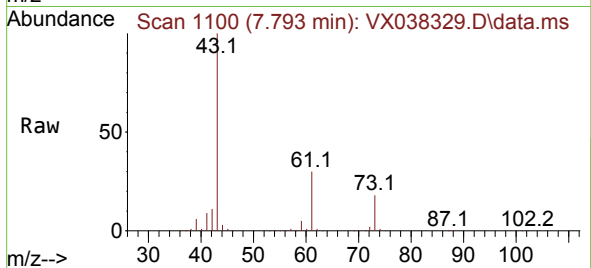
39 57.0 47.7 71.5



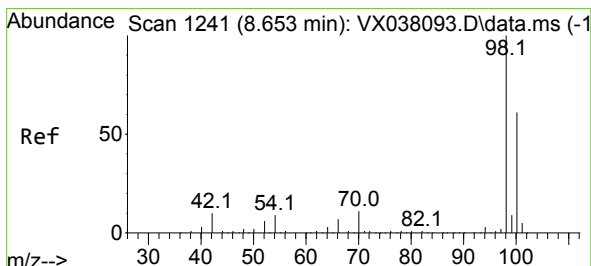
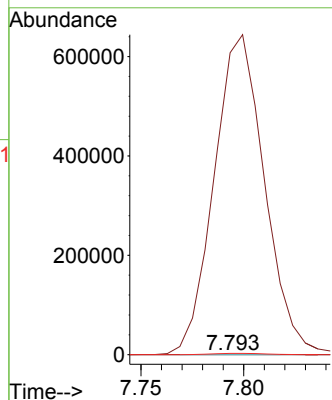
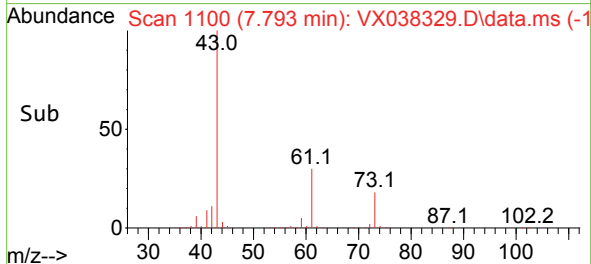


#49
1,4-Dioxane
Concen: 3.762 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX038329.D
Acq: 17 Oct 2023 15:08

Instrument :
MSVOA_X
ClientSampleId :

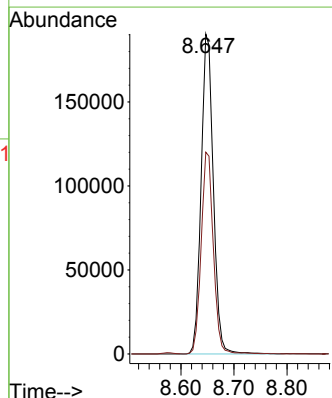
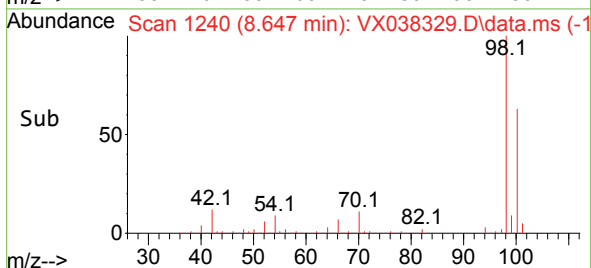
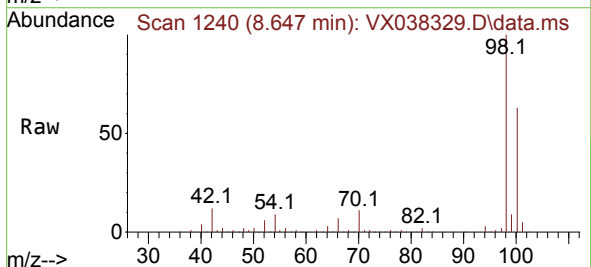


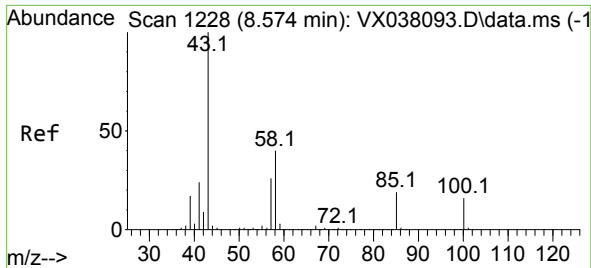
Tgt Ion: 88 Resp: 180
Ion Ratio Lower Upper
88 100
43 619206.1 0.0 0.0#
58 2700.6 60.1 90.1#



#50
Toluene-d8
Concen: 47.893 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038329.D
Acq: 17 Oct 2023 15:08

Tgt Ion: 98 Resp: 304470
Ion Ratio Lower Upper
98 100
100 63.1 53.1 79.7

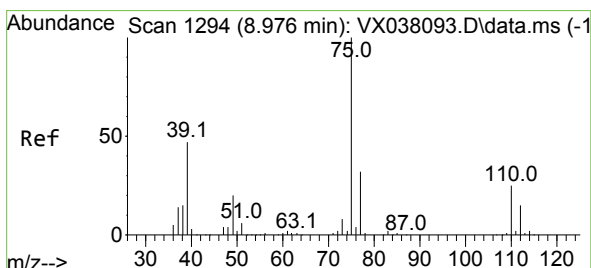
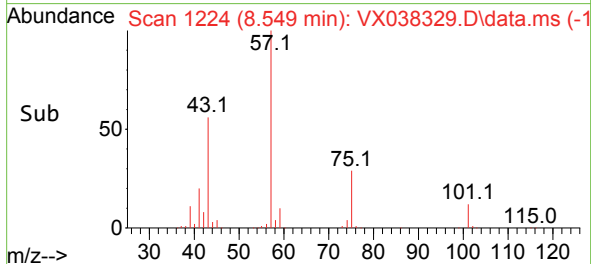
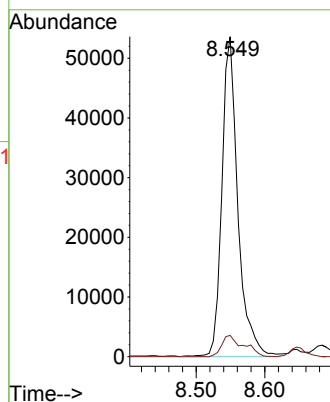
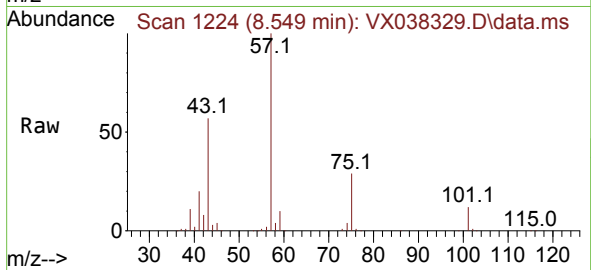




#51
4-Methyl-2-Pentanone
Concen: 30.816 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX038329.D
Acq: 17 Oct 2023 15:08

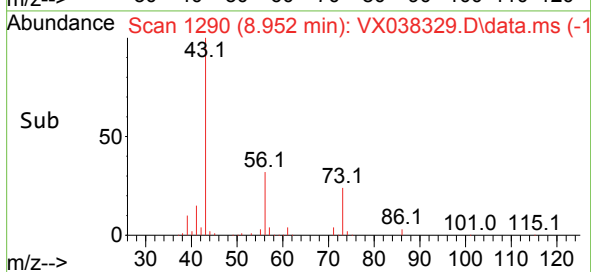
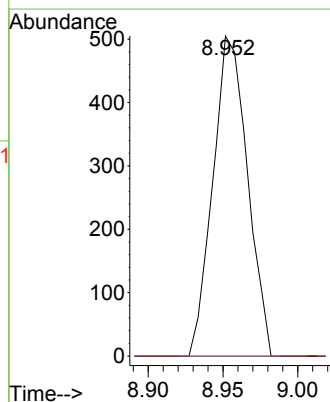
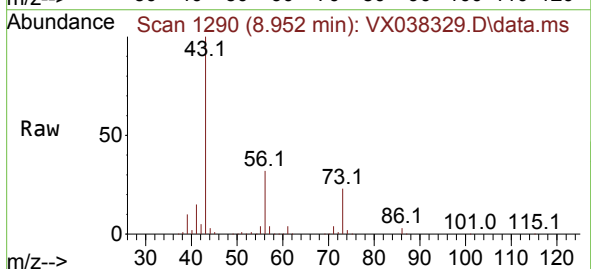
Instrument :
MSVOA_X
ClientSampleId :

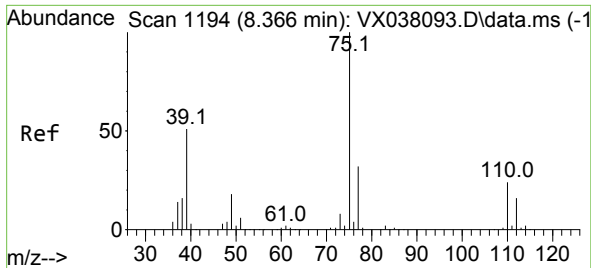
Tgt Ion: 43 Resp: 86454
Ion Ratio Lower Upper
43 100
58 9.2 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.330 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX038329.D
Acq: 17 Oct 2023 15:08

Tgt Ion: 75 Resp: 812
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

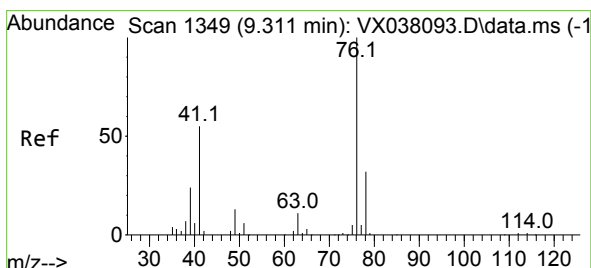
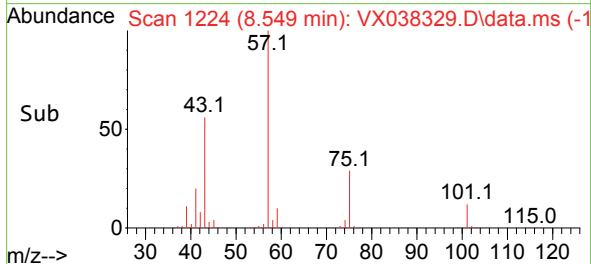
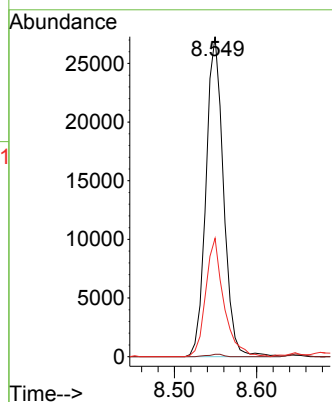
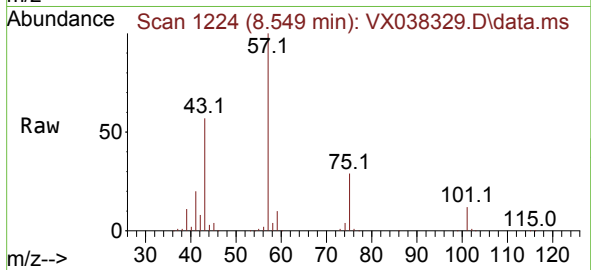




#54
 cis-1,3-Dichloropropene
 Concen: 15.613 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX038329.D
 Acq: 17 Oct 2023 15:08

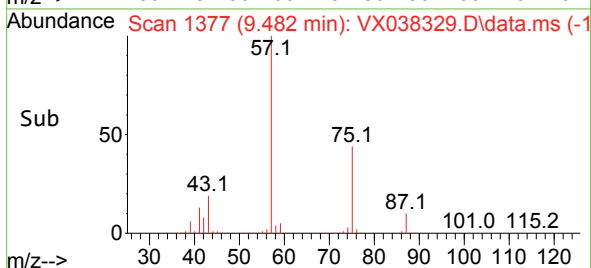
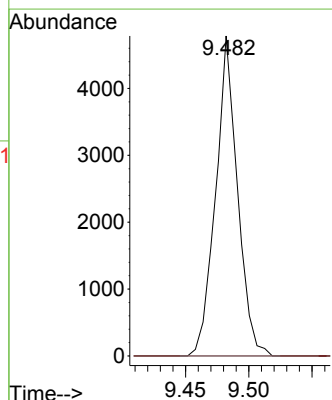
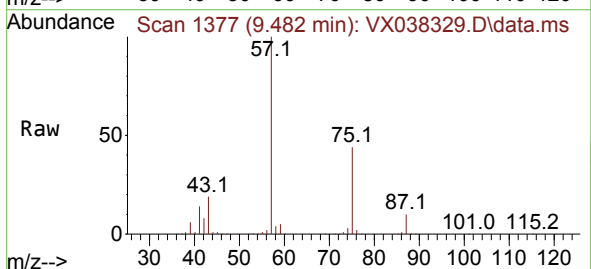
Instrument :
 MSVOA_X
 ClientSampleId :

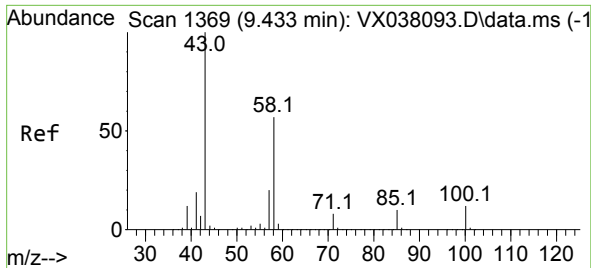
Tgt Ion: 75 Resp: 40347
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.3 37.9#
 39 37.0 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.985 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX038329.D
 Acq: 17 Oct 2023 15:08

Tgt Ion: 76 Resp: 5739
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

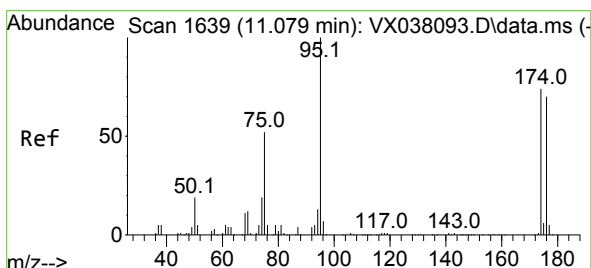
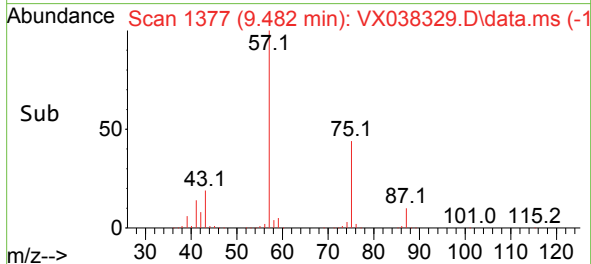
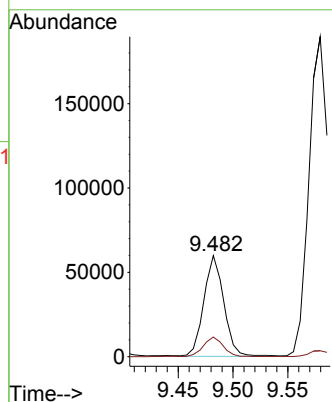
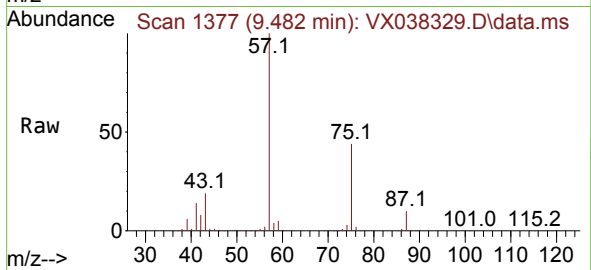




#59
2-Hexanone
Concen: 33.738 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX038329.D
Acq: 17 Oct 2023 15:08

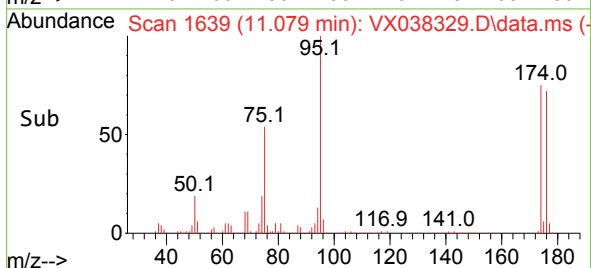
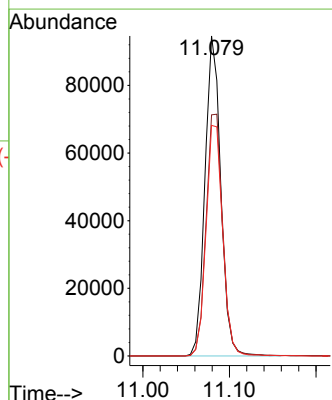
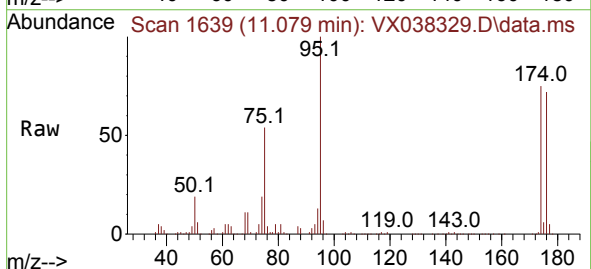
Instrument :
MSVOA_X
ClientSampleId :

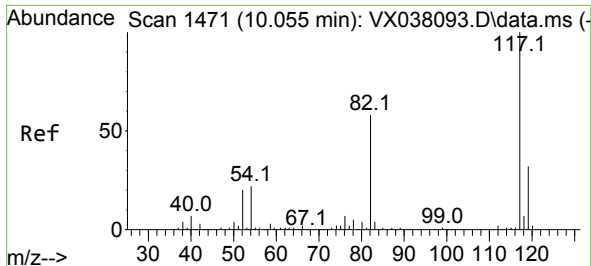
Tgt Ion: 43 Resp: 76093
Ion Ratio Lower Upper
43 100
58 19.2 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 49.703 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038329.D
Acq: 17 Oct 2023 15:08

Tgt Ion: 95 Resp: 119788
Ion Ratio Lower Upper
95 100
174 79.9 0.0 135.6
176 76.2 0.0 131.0

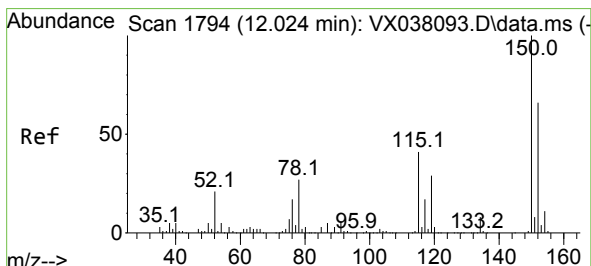
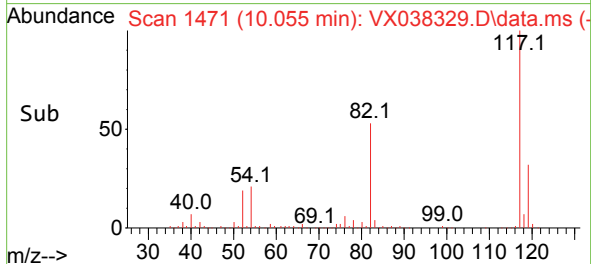
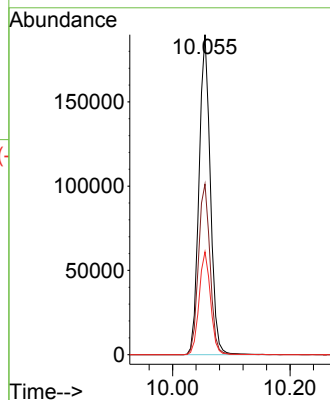
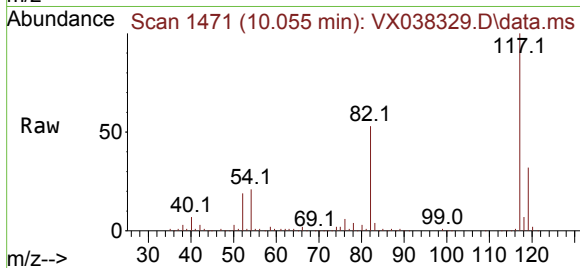




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038329.D
Acq: 17 Oct 2023 15:08

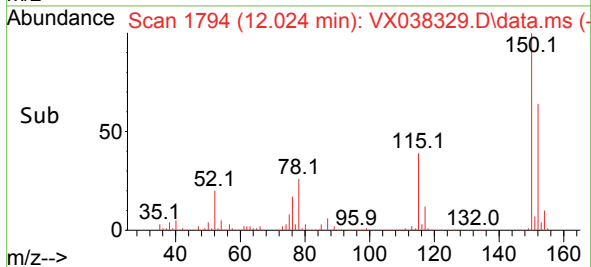
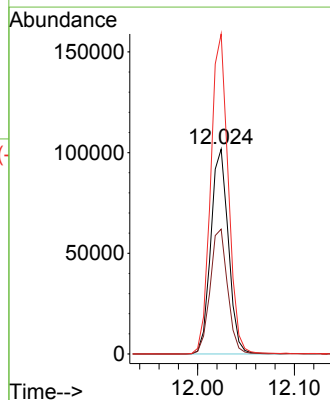
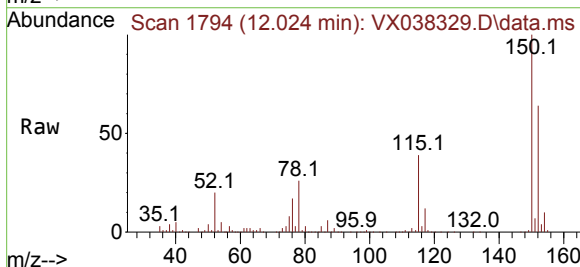
Instrument :
MSVOA_X
ClientSampleId :

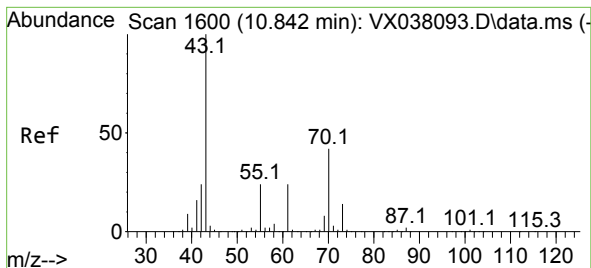
Tgt Ion:117 Resp: 253609
Ion Ratio Lower Upper
117 100
82 53.3 46.2 69.4
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038329.D
Acq: 17 Oct 2023 15:08

Tgt Ion:152 Resp: 128715
Ion Ratio Lower Upper
152 100
115 60.5 43.3 129.9
150 155.8 0.0 345.0





#74

N-ethyl acetate

Concen: 0.252 ug/l

RT: 10.823 min Scan# 1639

Delta R.T. -0.019 min

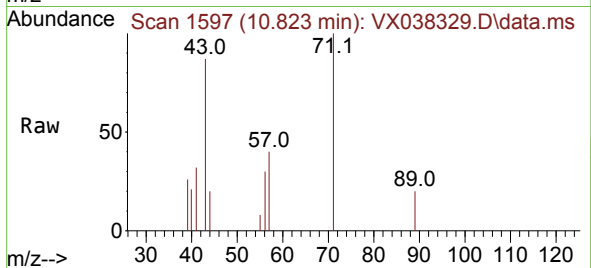
Lab File: VX038329.D

Acq: 17 Oct 2023 15:08

Instrument :

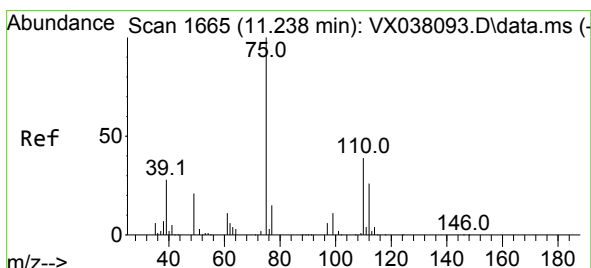
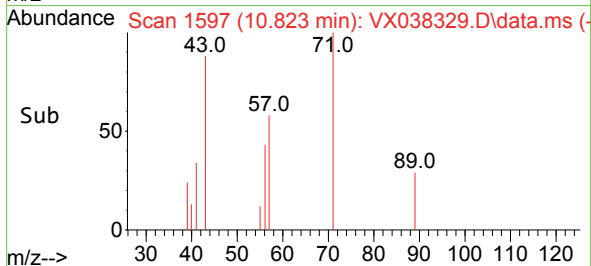
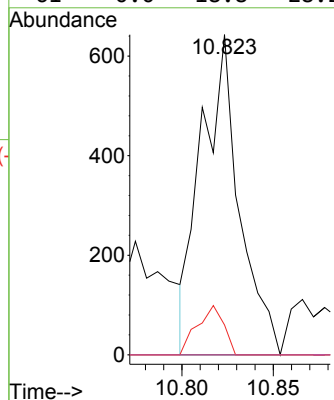
MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 928

Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.9	49.3#
55	10.8	19.3	28.9#
61	0.0	18.8	28.2#



#76

1,2,3-Trichloropropane

Concen: 22.195 ug/l

RT: 11.079 min Scan# 1639

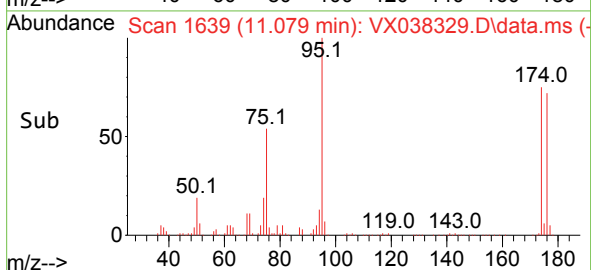
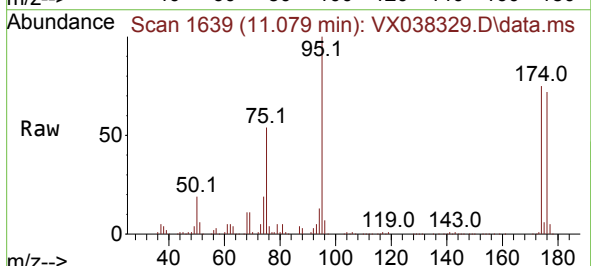
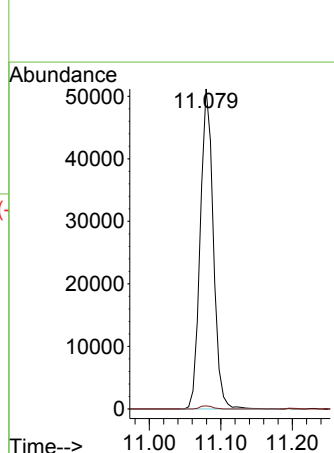
Delta R.T. -0.159 min

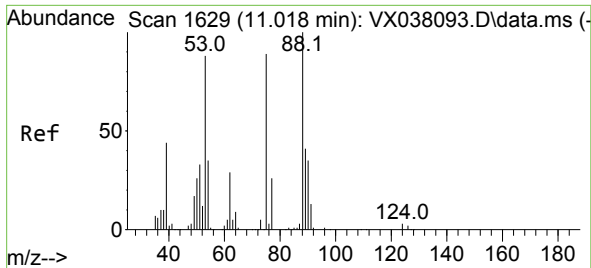
Lab File: VX038329.D

Acq: 17 Oct 2023 15:08

Tgt Ion: 75 Resp: 64947

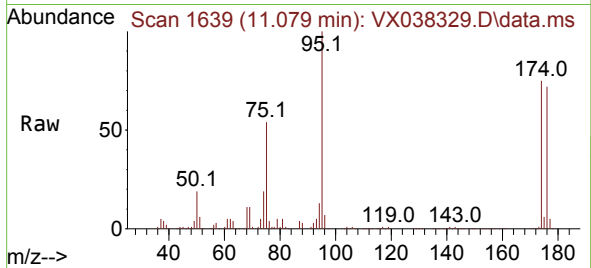
Ion	Ratio	Lower	Upper
75	100		
77	0.9	19.1	57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.614 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038329.D
 Acq: 17 Oct 2023 15:08

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 64947
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

