

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101723\
 Data File : VX038333.D
 Acq On : 17 Oct 2023 16:41
 Operator : JC/MD
 Sample : PB156409ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

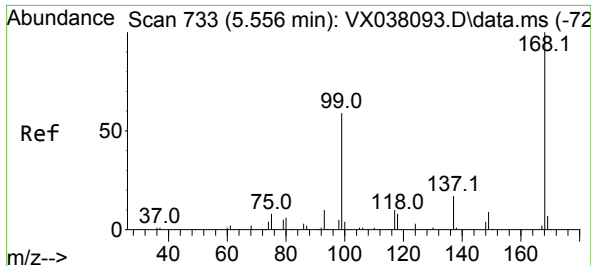
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 18 04:01:45 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	121748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	225762	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	253122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129874	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	89317	45.611	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.220%		
35) Dibromofluoromethane	5.385	113	72442	44.532	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.060%		
50) Toluene-d8	8.647	98	292578	47.067	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.140%		
62) 4-Bromofluorobenzene	11.079	95	119835	50.850	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.700%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	27	Below Cal	#	3
6) Chloroethane	1.679	64	117	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	1732	Below Cal	#	78
16) Acetone	2.380	43	20833	25.491	ug/l #	89
18) Methyl Acetate	2.709	43	990	0.282	ug/l	96
20) Methylene Chloride	2.788	84	15357	9.990	ug/l	91
25) 2-Butanone	4.587	43	3017	2.288	ug/l	91
31) Cyclohexane	5.550	56	2825	1.332	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10090	4.498	ug/l #	52
37) Ethyl Acetate	4.727	43	2809	1.054	ug/l #	89
38) Carbon Tetrachloride	5.556	117	13040	5.909	ug/l #	15
41) Methacrylonitrile	5.026	41	301	0.227	ug/l #	52
43) Isopropyl Acetate	6.342	43	102639	25.807	ug/l #	95
48) Methyl methacrylate	7.799	41	107791	56.772	ug/l #	50
49) 1,4-Dioxane	7.799	88	121	2.586	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	82991	30.252	ug/l #	52
53) t-1,3-Dichloropropene	8.952	75	800	0.333	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	38997	15.433	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	5823	2.059	ug/l #	42
59) 2-Hexanone	9.482	43	74326	33.702	ug/l #	54
74) N-amyl acetate	10.823	43	811	0.218	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	64477	21.838	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	64477	62.655	ug/l #	5

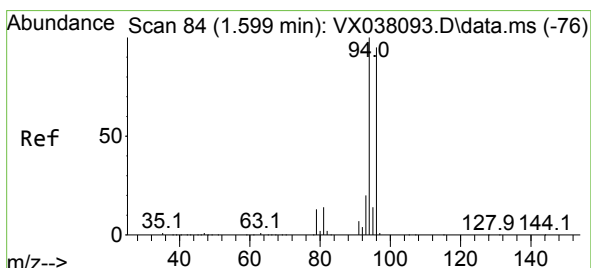
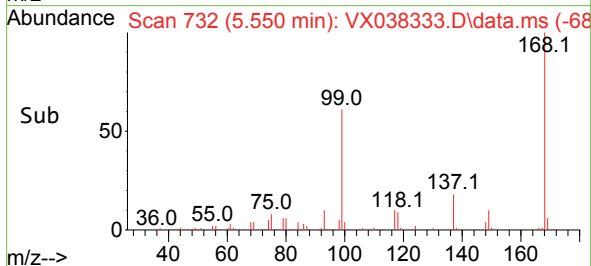
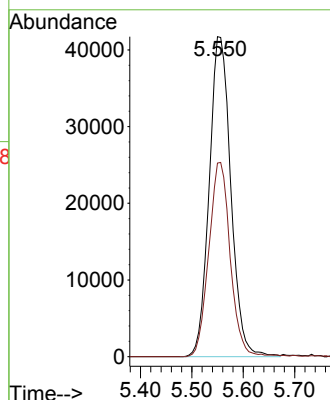
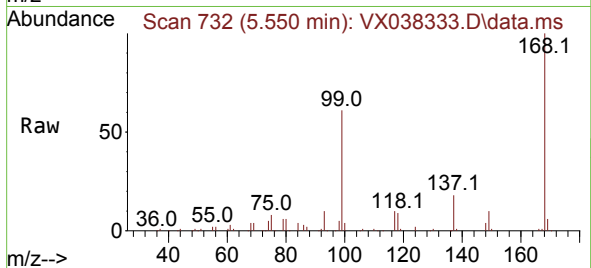
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038333.D
Acq: 17 Oct 2023 16:41

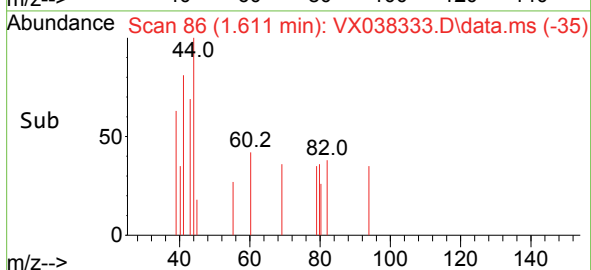
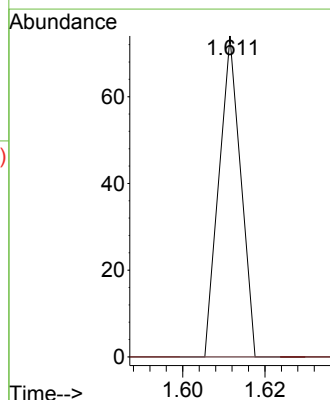
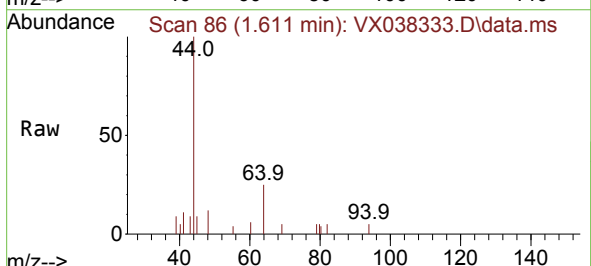
Instrument :
MSVOA_X
ClientSampleId :

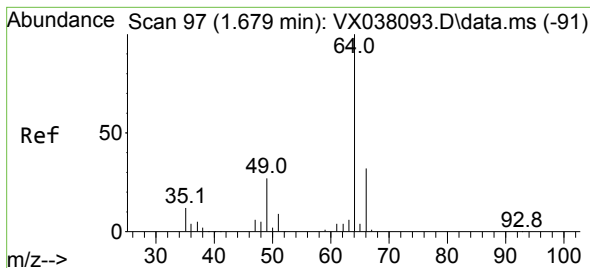
Tgt Ion:168 Resp: 121748
Ion Ratio Lower Upper
168 100
99 60.5 56.6 85.0



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX038333.D
Acq: 17 Oct 2023 16:41

Tgt Ion: 94 Resp: 27
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#





#6

Chloroethane

Concen: Below Cal

RT: 1.679 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX038333.D

Acq: 17 Oct 2023 16:41

Instrument :

MSVOA_X

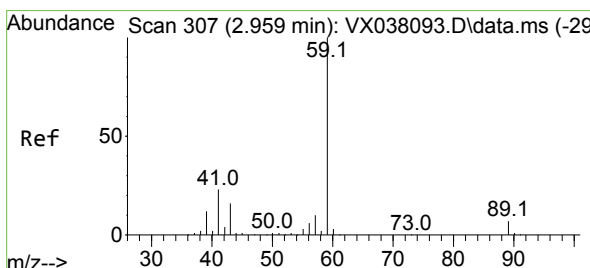
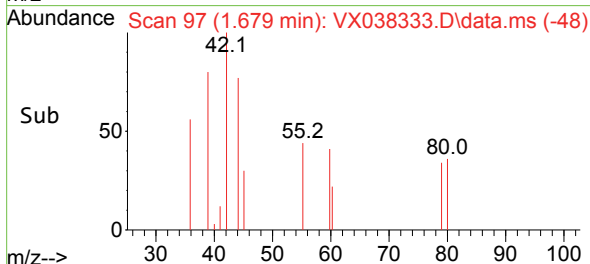
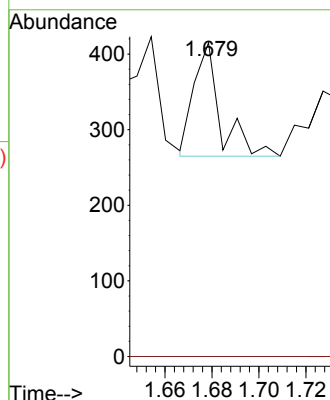
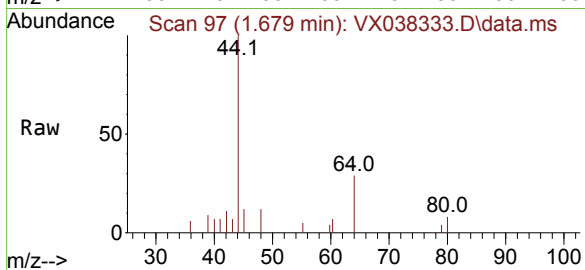
ClientSampleId :

Tgt Ion: 64 Resp: 117

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: VX038333.D

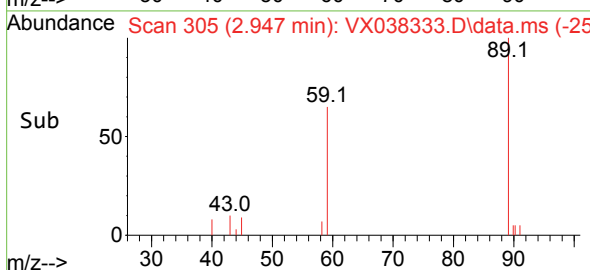
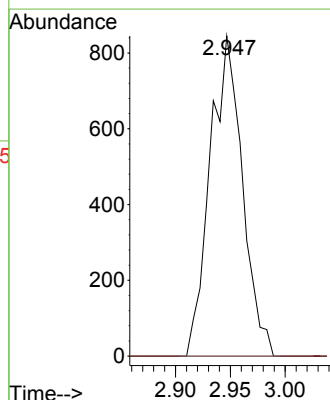
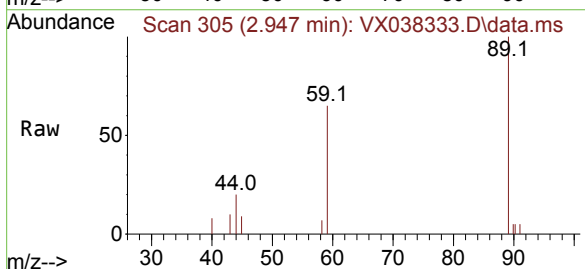
Acq: 17 Oct 2023 16:41

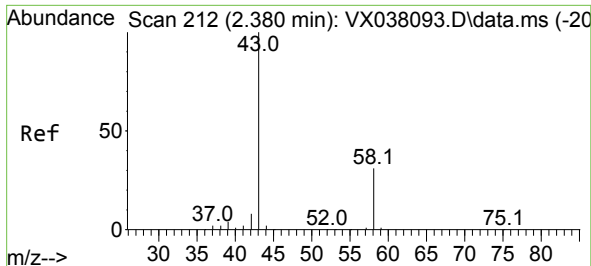
Tgt Ion: 59 Resp: 1732

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

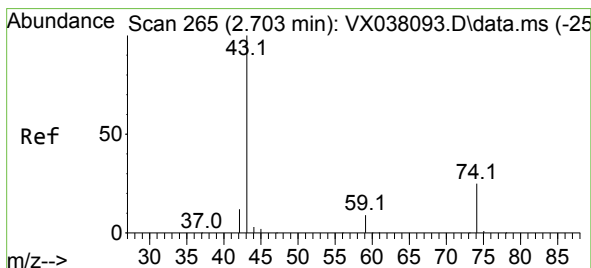
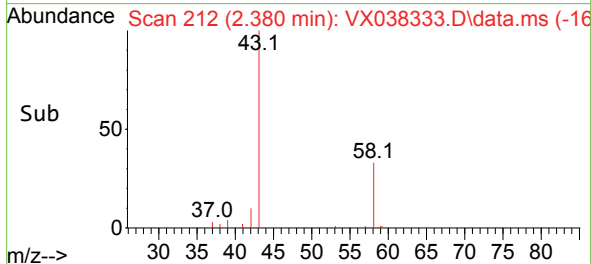
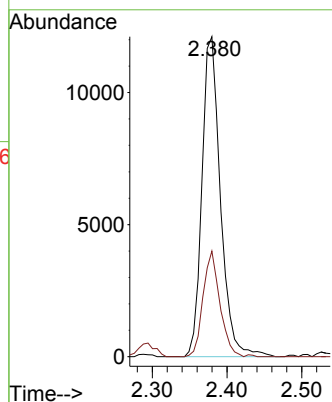
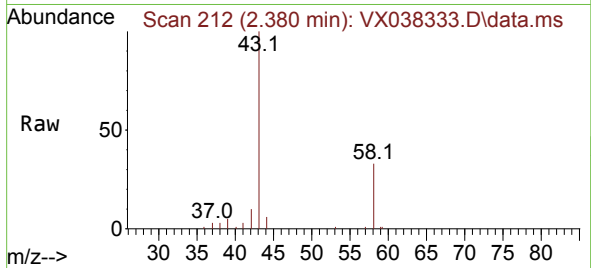




#16
Acetone
Concen: 25.491 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038333.D
Acq: 17 Oct 2023 16:41

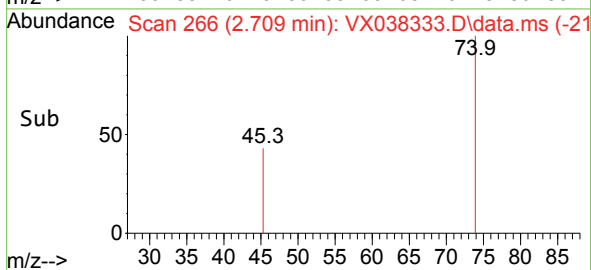
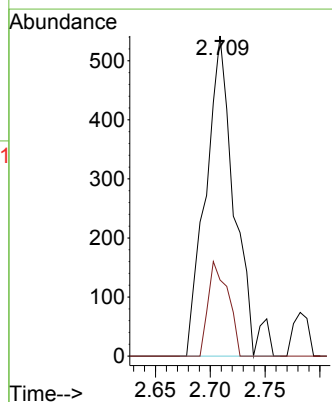
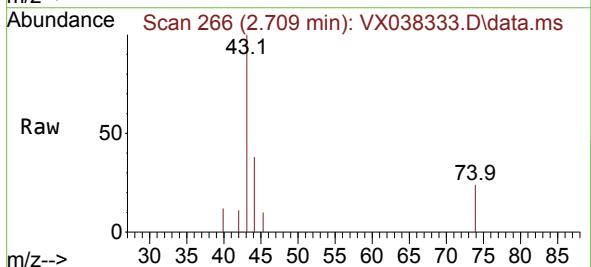
Instrument :
MSVOA_X
ClientSampleId :

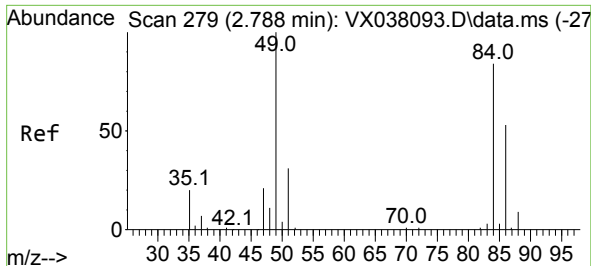
Tgt Ion: 43 Resp: 20833
Ion Ratio Lower Upper
43 100
58 33.0 21.9 32.9#



#18
Methyl Acetate
Concen: 0.282 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX038333.D
Acq: 17 Oct 2023 16:41

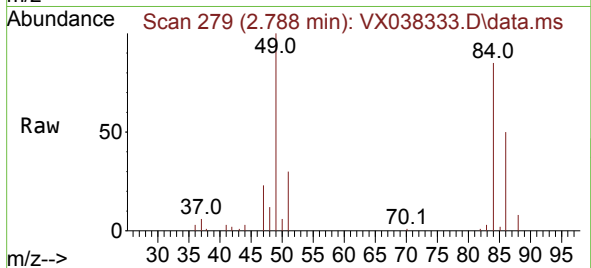
Tgt Ion: 43 Resp: 990
Ion Ratio Lower Upper
43 100
74 20.5 17.8 26.8



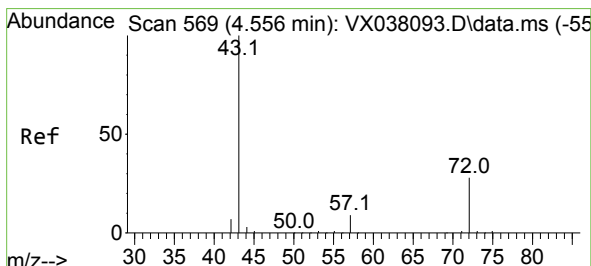
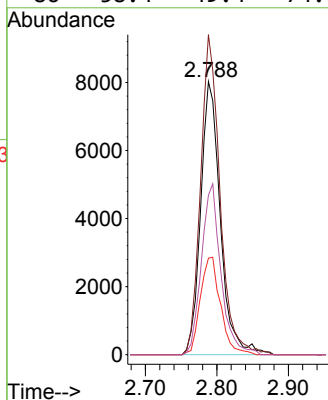
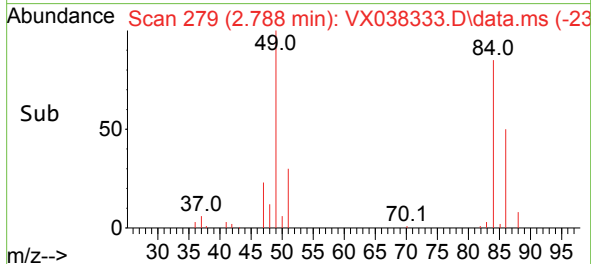


#20
Methylene Chloride
Concen: 9.990 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX038333.D
Acq: 17 Oct 2023 16:41

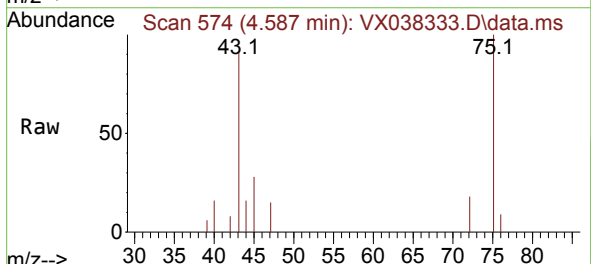
Instrument :
MSVOA_X
ClientSampleId :



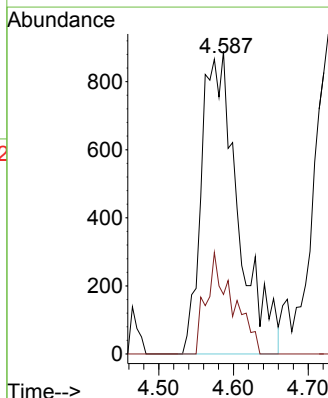
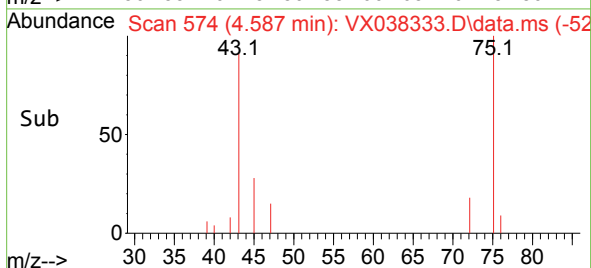
Tgt Ion:	84	Resp:	15357
Ion	Ratio	Lower	Upper
84	100		
49	117.2	103.6	155.4
51	35.4	33.8	50.6
86	58.4	49.4	74.0

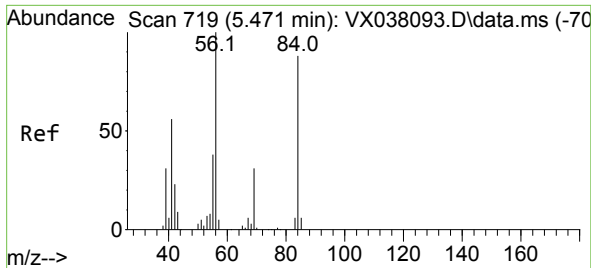


#25
2-Butanone
Concen: 2.288 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.031 min
Lab File: VX038333.D
Acq: 17 Oct 2023 16:41



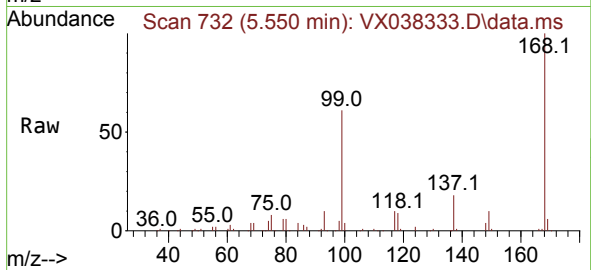
Tgt Ion:	43	Resp:	3017
Ion	Ratio	Lower	Upper
43	100		
72	19.7	19.4	29.2



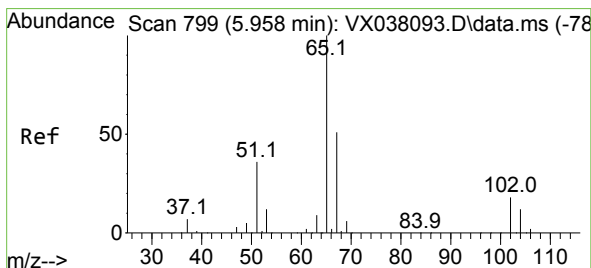
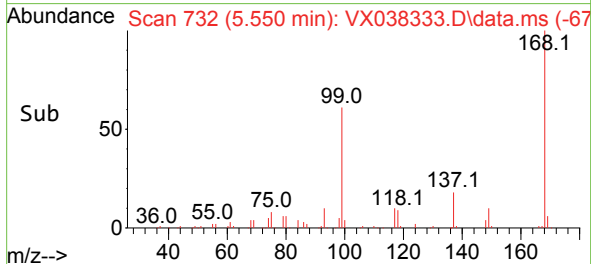
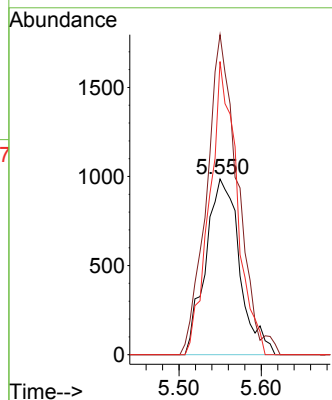


#31
Cyclohexane
Concen: 1.332 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX038333.D
Acq: 17 Oct 2023 16:41

Instrument :
MSVOA_X
ClientSampleId :

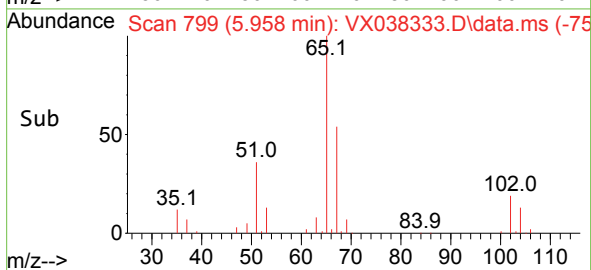
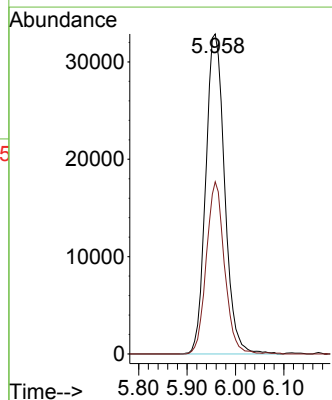
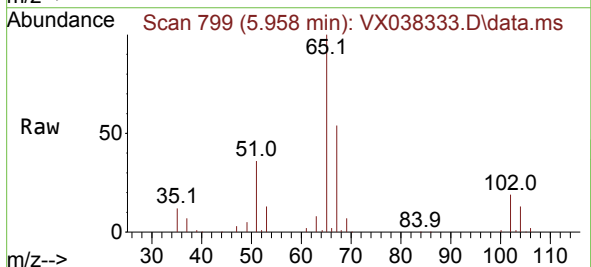


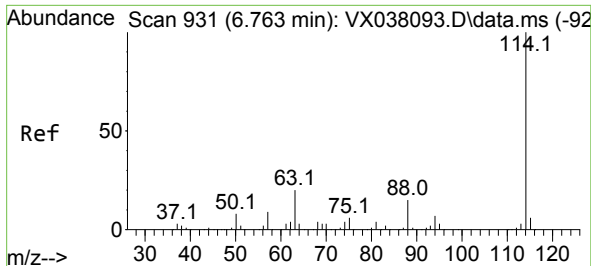
Tgt Ion: 56 Resp: 2825
Ion Ratio Lower Upper
56 100
69 182.2 23.4 35.2#
84 166.8 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.611 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038333.D
Acq: 17 Oct 2023 16:41

Tgt Ion: 65 Resp: 89317
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2

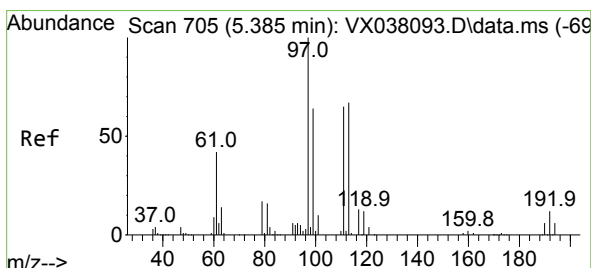
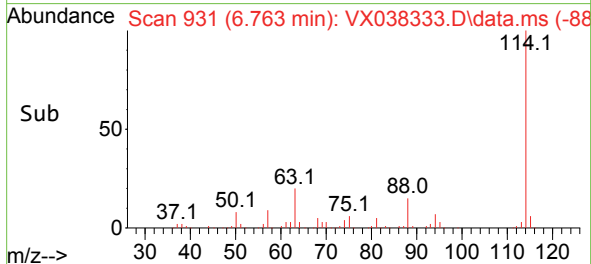
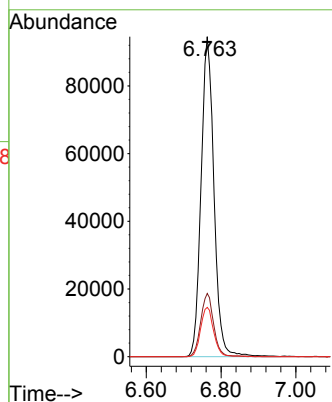
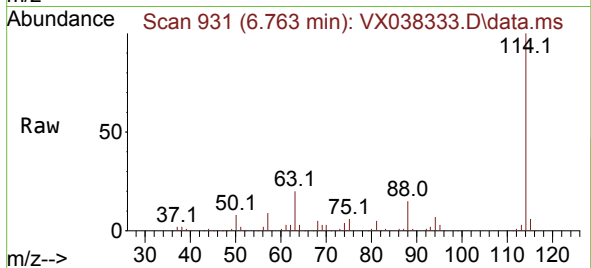




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX038333.D
Acq: 17 Oct 2023 16:41

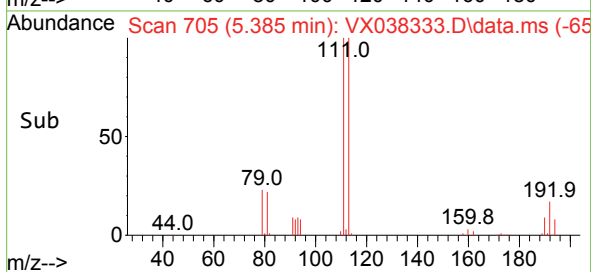
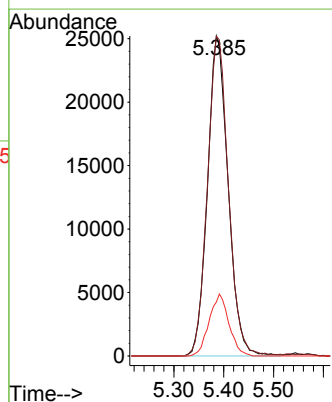
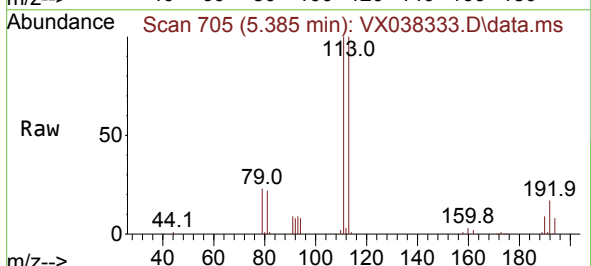
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ClientSampleId :

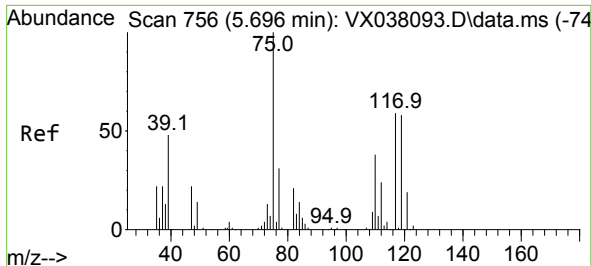
Tgt Ion:114 Resp: 225762
Ion Ratio Lower Upper
114 100
63 19.8 0.0 45.0
88 15.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.532 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038333.D
Acq: 17 Oct 2023 16:41

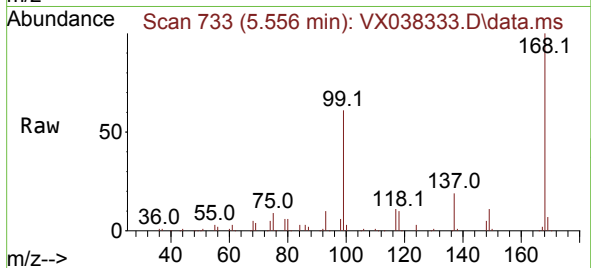
Tgt Ion:113 Resp: 72442
Ion Ratio Lower Upper
113 100
111 101.2 82.9 124.3
192 18.5 13.3 19.9



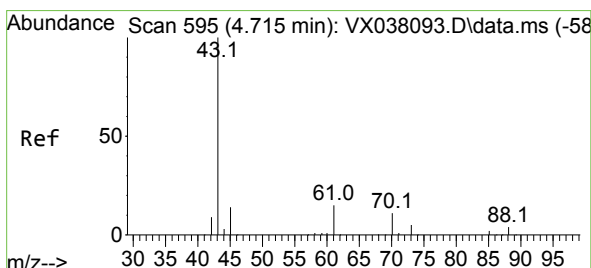
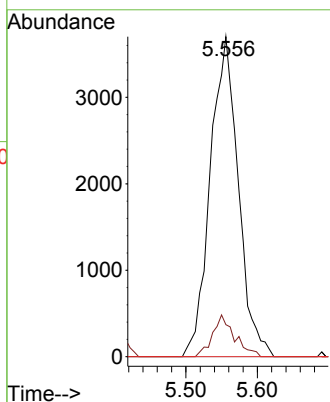
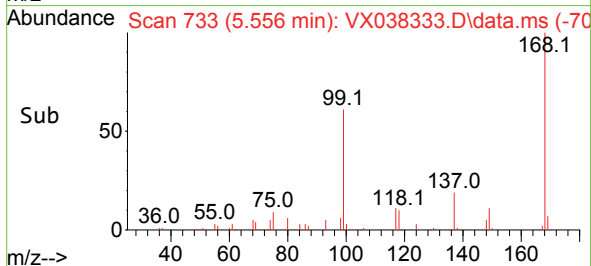


#36
 1,1-Dichloropropene
 Concen: 4.498 ug/l
 RT: 5.556 min Scan# 71
 Delta R.T. -0.134 min
 Lab File: VX038333.D
 Acq: 17 Oct 2023 16:41

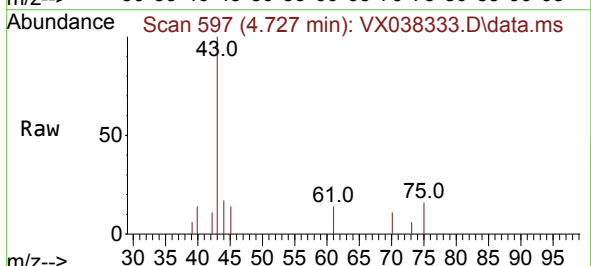
Instrument :
 MSVOA_X
 ClientSampleId :



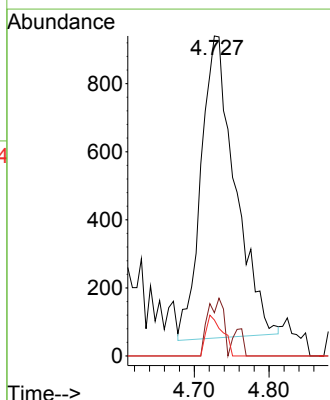
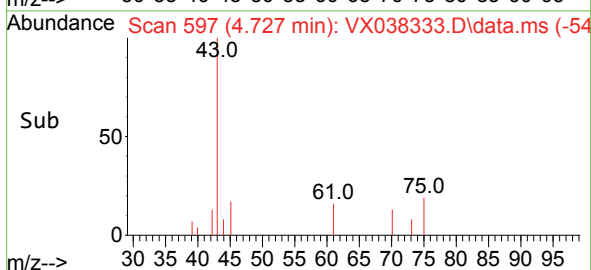
Tgt Ion: 75 Resp: 10090
 Ion Ratio Lower Upper
 75 100
 110 10.2 17.0 50.9#
 77 0.0 24.7 37.1#

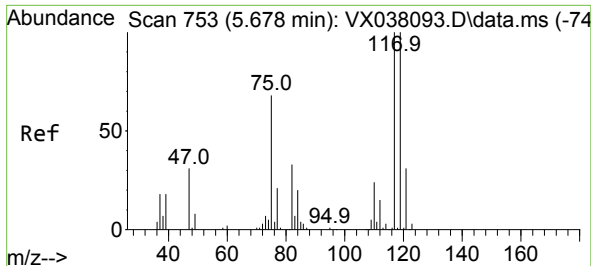


#37
 Ethyl Acetate
 Concen: 1.054 ug/l
 RT: 4.727 min Scan# 597
 Delta R.T. 0.012 min
 Lab File: VX038333.D
 Acq: 17 Oct 2023 16:41



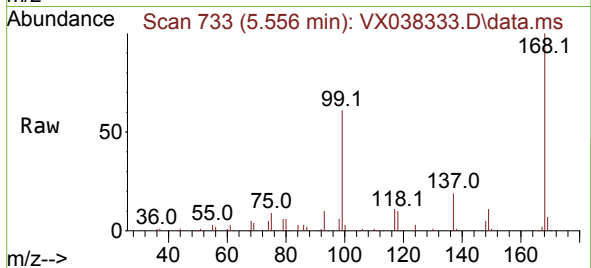
Tgt Ion: 43 Resp: 2809
 Ion Ratio Lower Upper
 43 100
 61 8.9 10.6 16.0#
 70 6.5 8.3 12.5#



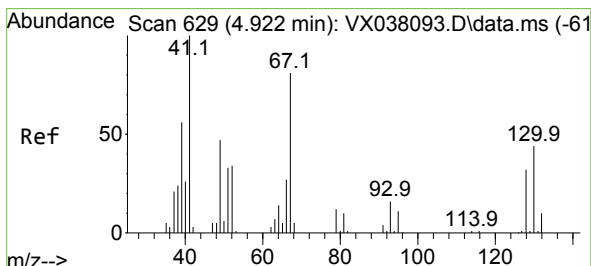
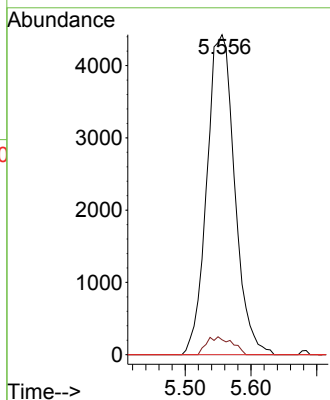
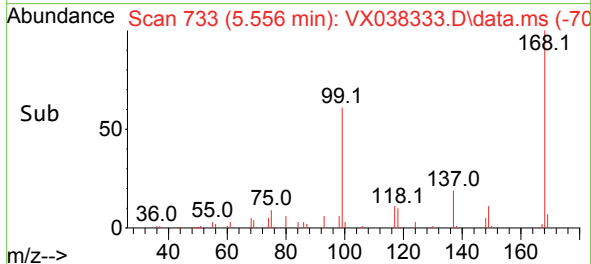


#38
Carbon Tetrachloride
Concen: 5.909 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX038333.D
Acq: 17 Oct 2023 16:41

Instrument :
MSVOA_X
ClientSampleId :

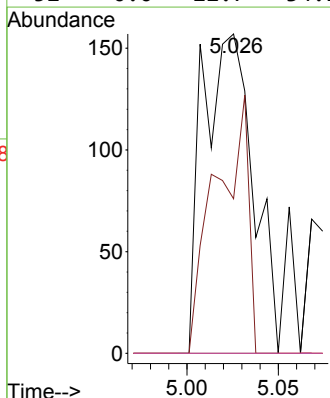
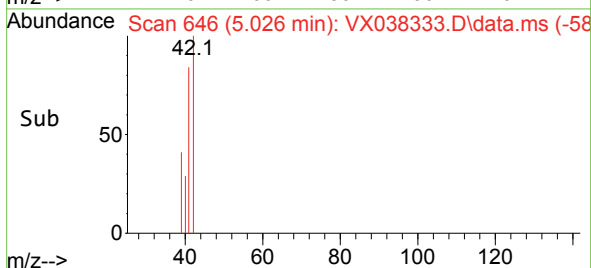
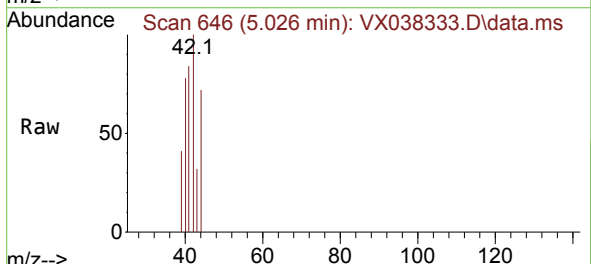


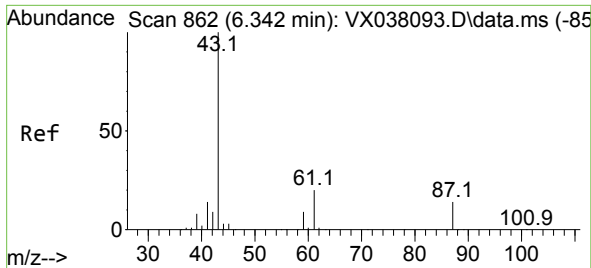
Tgt Ion:117 Resp: 13040
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.227 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.104 min
Lab File: VX038333.D
Acq: 17 Oct 2023 16:41

Tgt Ion: 41 Resp: 301
Ion Ratio Lower Upper
41 100
39 52.2 45.2 67.8
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

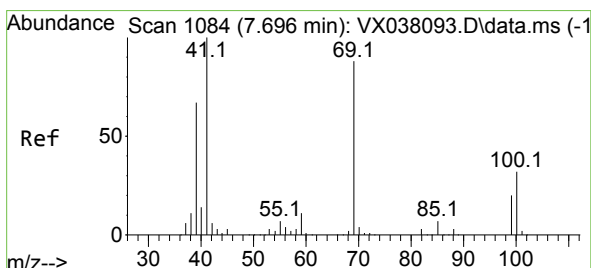
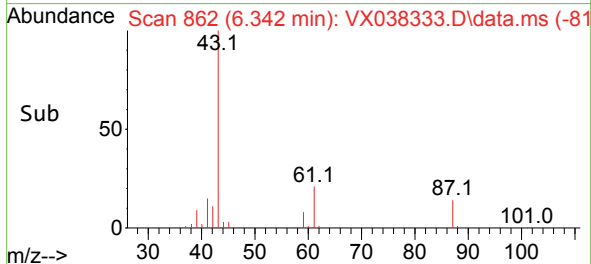
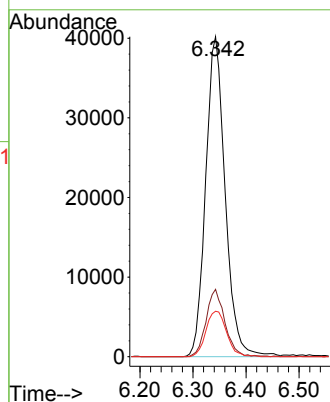
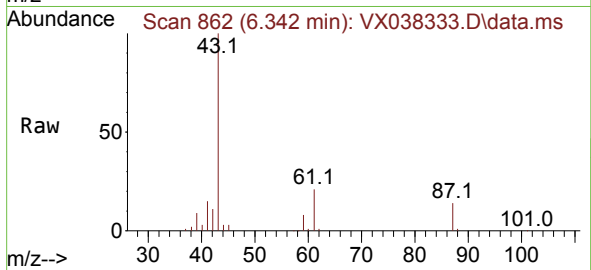




#43
Isopropyl Acetate
Concen: 25.807 ug/l
RT: 6.342 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX038333.D
Acq: 17 Oct 2023 16:41

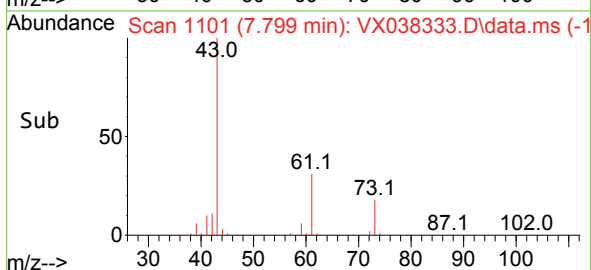
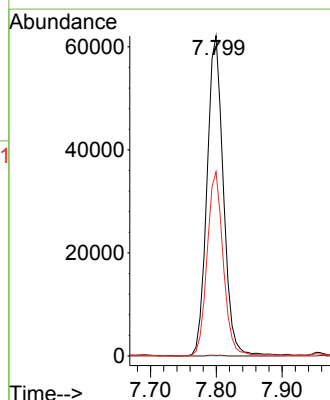
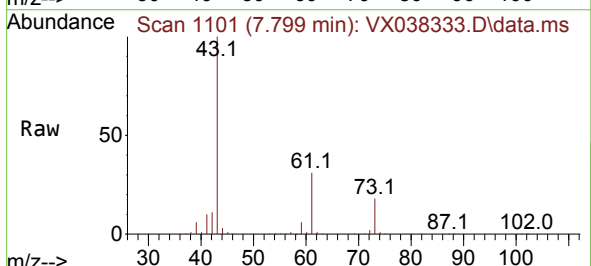
Instrument :
MSVOA_X
ClientSampleId :

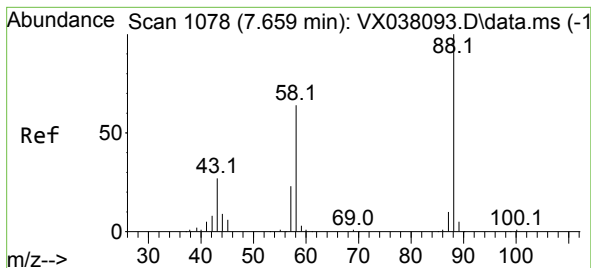
Tgt Ion: 43 Resp: 102639
Ion Ratio Lower Upper
43 100
61 20.4 15.2 22.8
87 15.1 9.8 14.6#



#48
Methyl methacrylate
Concen: 56.772 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX038333.D
Acq: 17 Oct 2023 16:41

Tgt Ion: 41 Resp: 107791
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 56.4 47.7 71.5





#49

1,4-Dioxane

Concen: 2.586 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX038333.D

Acq: 17 Oct 2023 16:41

Instrument :

MSVOA_X

ClientSampleId :

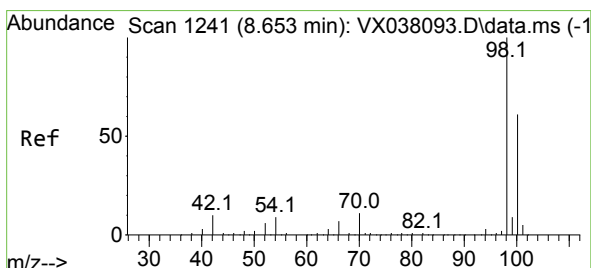
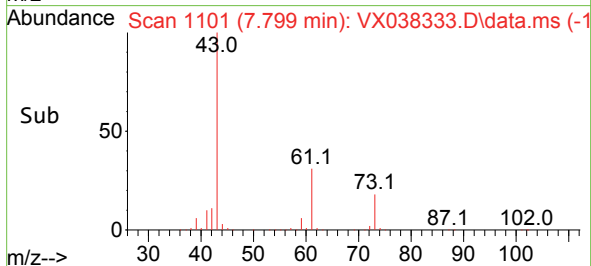
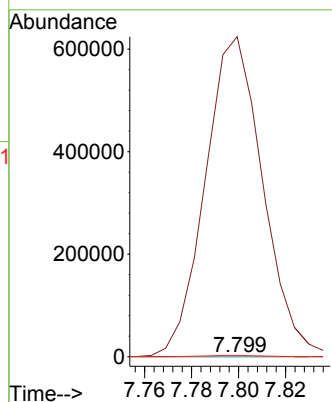
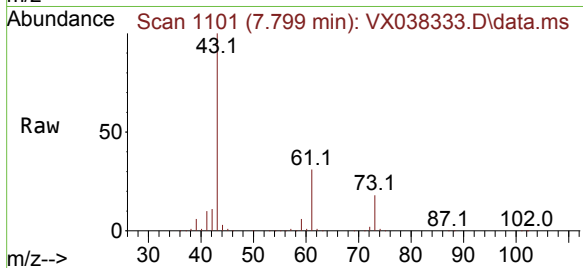
Tgt Ion: 88 Resp: 121

Ion Ratio Lower Upper

88 100

43 892639.7 0.0 0.0#

58 3928.9 60.1 90.1#



#50

Toluene-d8

Concen: 47.067 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX038333.D

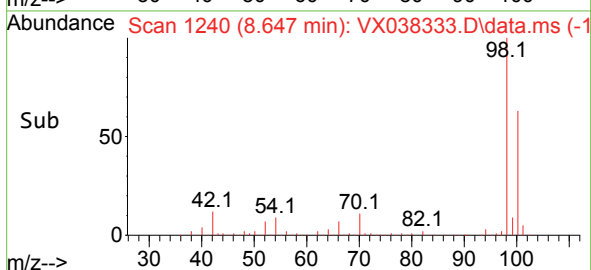
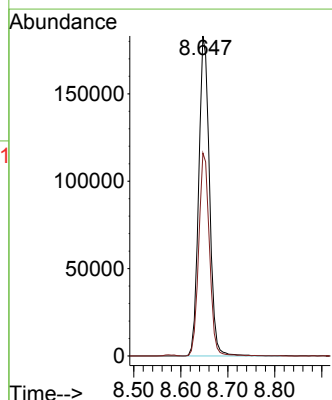
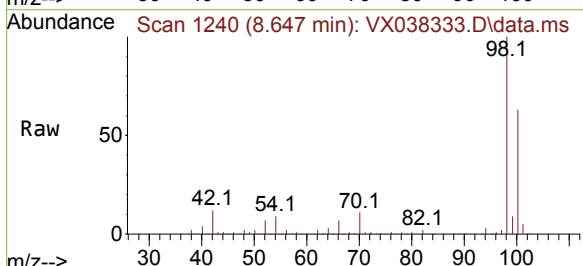
Acq: 17 Oct 2023 16:41

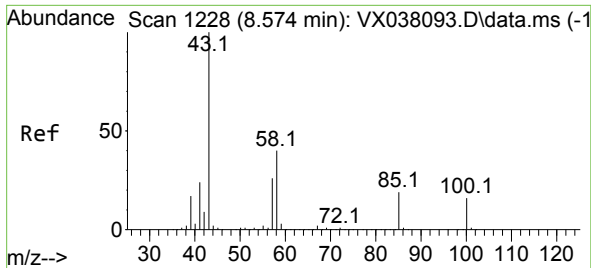
Tgt Ion: 98 Resp: 292578

Ion Ratio Lower Upper

98 100

100 63.3 53.1 79.7

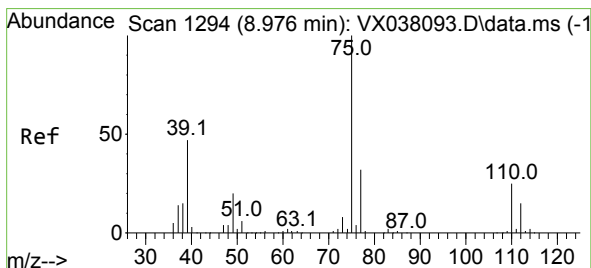
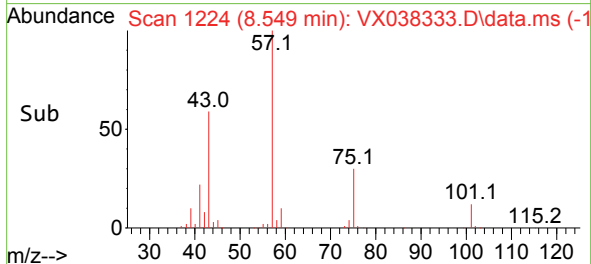
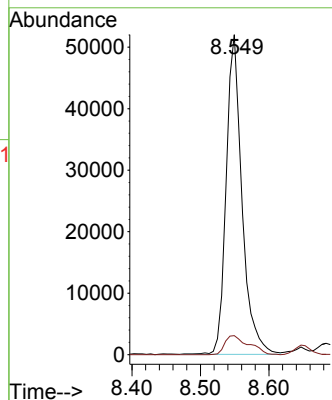
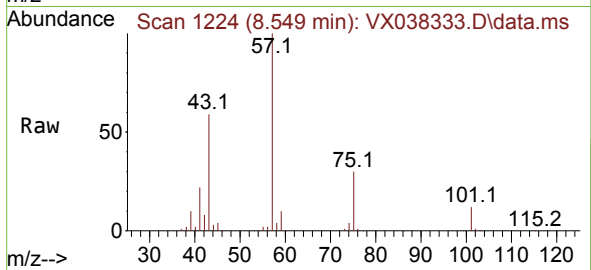




#51
4-Methyl-2-Pentanone
Concen: 30.252 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX038333.D
Acq: 17 Oct 2023 16:41

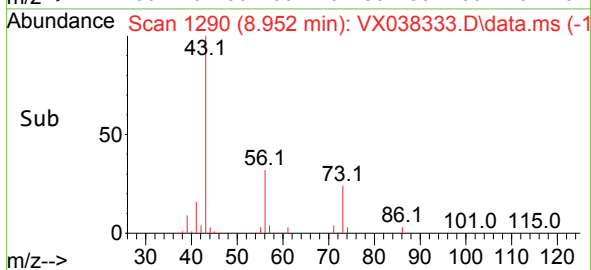
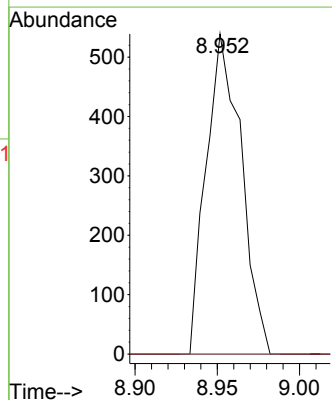
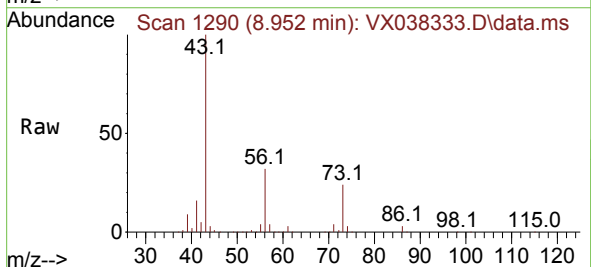
Instrument :
MSVOA_X
ClientSampleId :

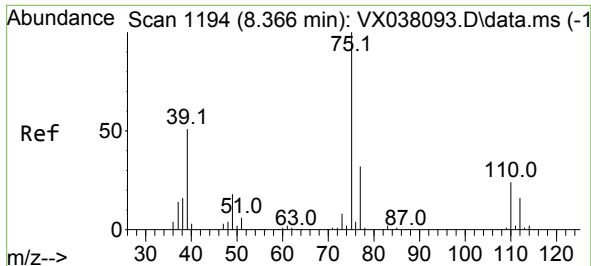
Tgt Ion: 43 Resp: 82991
Ion Ratio Lower Upper
43 100
58 9.1 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.333 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX038333.D
Acq: 17 Oct 2023 16:41

Tgt Ion: 75 Resp: 800
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

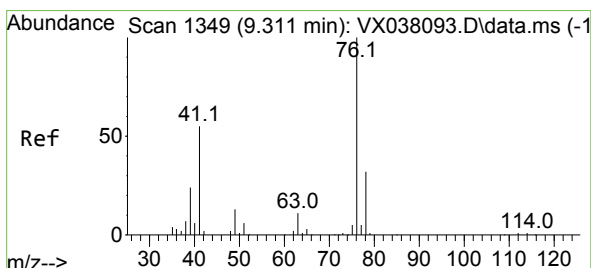
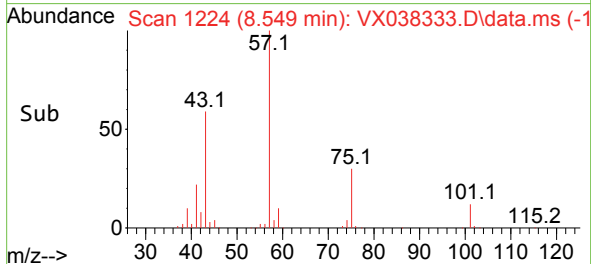
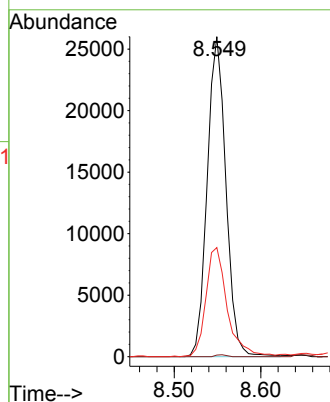
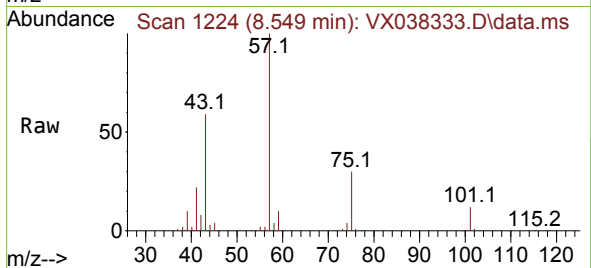




#54
 cis-1,3-Dichloropropene
 Concen: 15.433 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX038333.D
 Acq: 17 Oct 2023 16:41

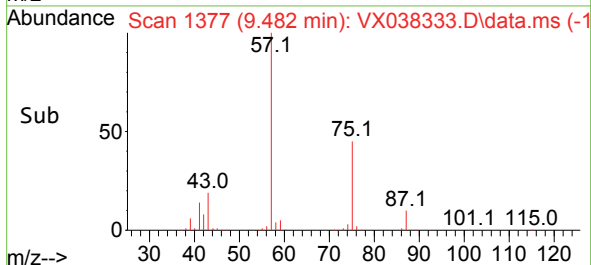
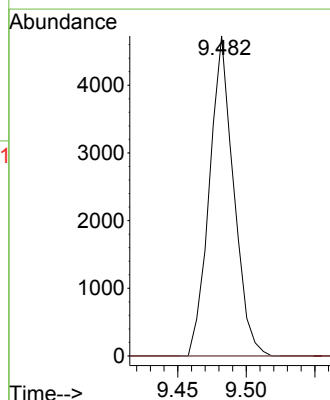
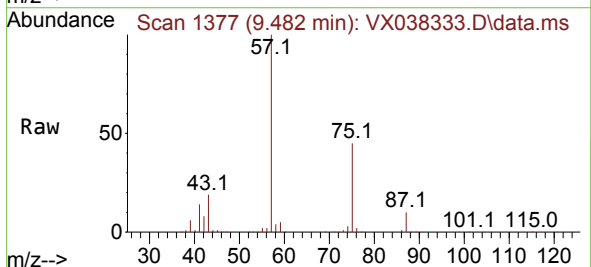
Instrument :
 MSVOA_X
 ClientSampleId :

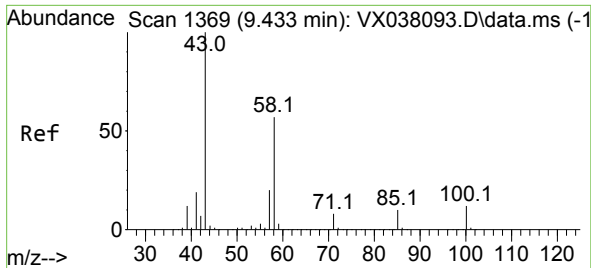
Tgt Ion: 75 Resp: 38997
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 34.1 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 2.059 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX038333.D
 Acq: 17 Oct 2023 16:41

Tgt Ion: 76 Resp: 5823
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

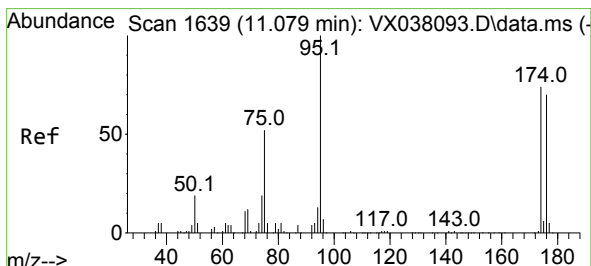
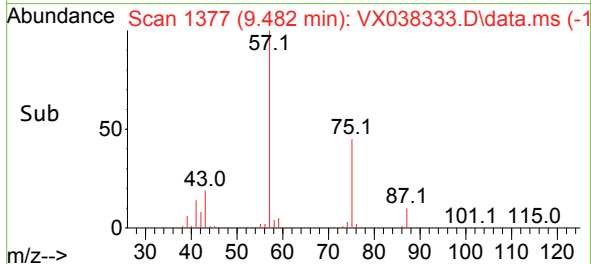
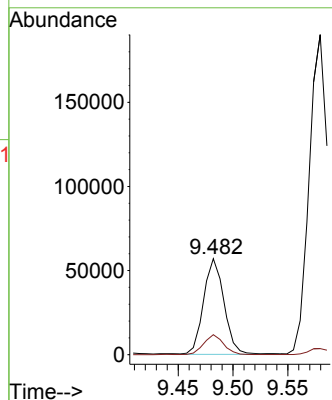
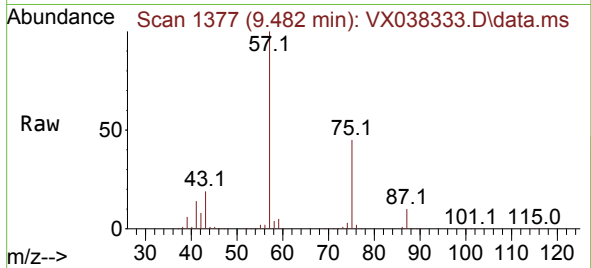




#59
2-Hexanone
Concen: 33.702 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX038333.D
Acq: 17 Oct 2023 16:41

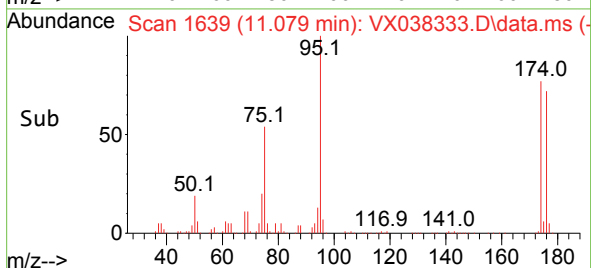
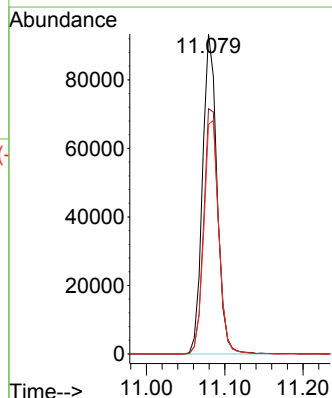
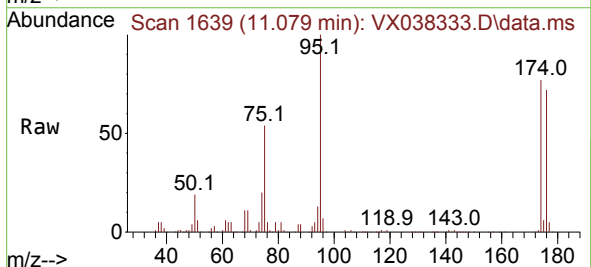
Instrument :
MSVOA_X
ClientSampleId :

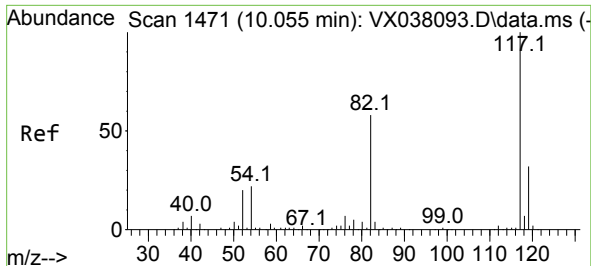
Tgt Ion: 43 Resp: 74326
Ion Ratio Lower Upper
43 100
58 20.1 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 50.850 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038333.D
Acq: 17 Oct 2023 16:41

Tgt Ion: 95 Resp: 119835
Ion Ratio Lower Upper
95 100
174 79.0 0.0 135.6
176 75.4 0.0 131.0

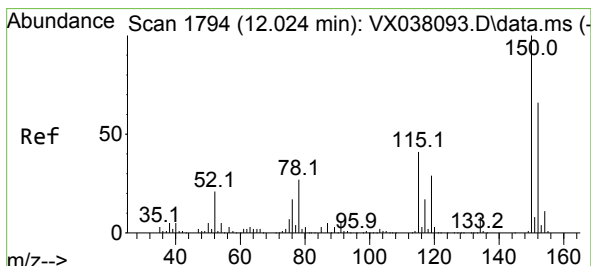
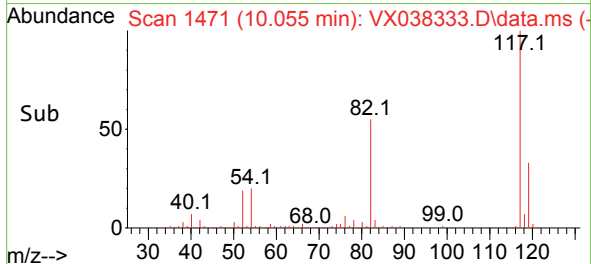
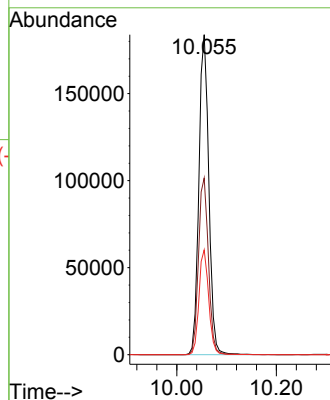
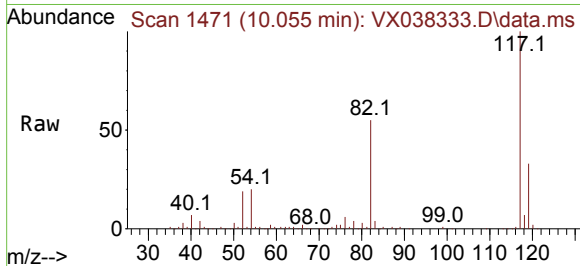




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038333.D
Acq: 17 Oct 2023 16:41

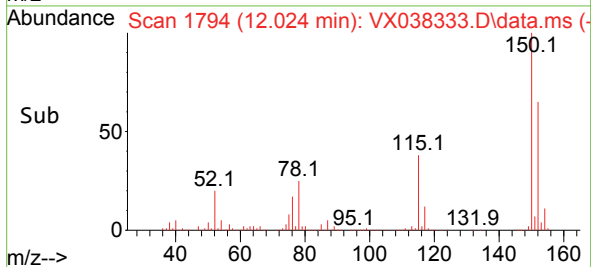
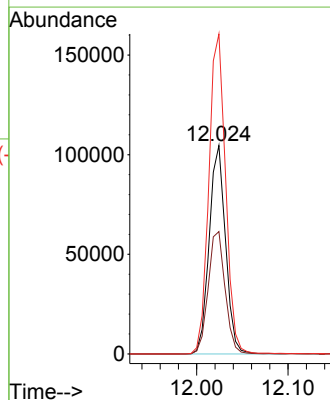
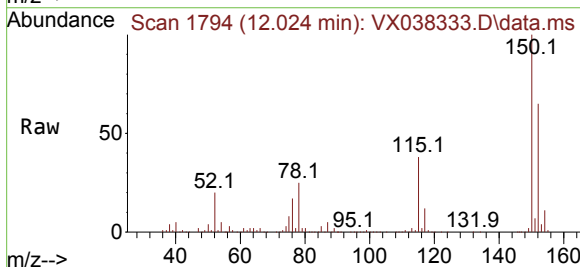
Instrument :
MSVOA_X
ClientSampleId :

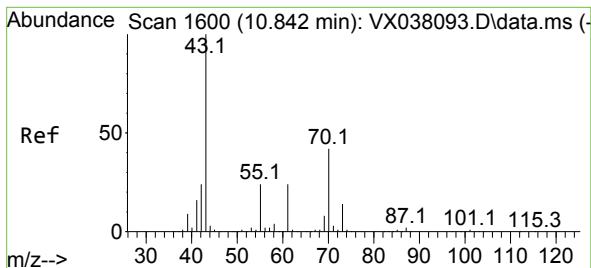
Tgt Ion:117 Resp: 253122
Ion Ratio Lower Upper
117 100
82 55.2 46.2 69.4
119 32.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038333.D
Acq: 17 Oct 2023 16:41

Tgt Ion:152 Resp: 129874
Ion Ratio Lower Upper
152 100
115 60.8 43.3 129.9
150 157.1 0.0 345.0





#74

N-amy1 acetate

Concen: 0.218 ug/l

RT: 10.823 min Scan# 1597

Delta R.T. -0.019 min

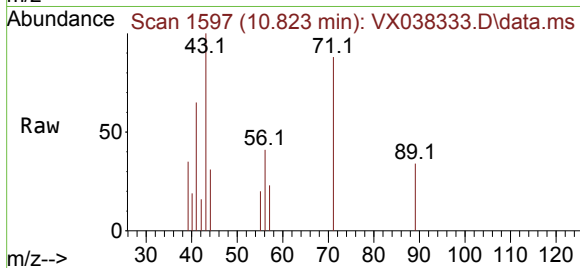
Lab File: VX038333.D

Acq: 17 Oct 2023 16:41

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 811

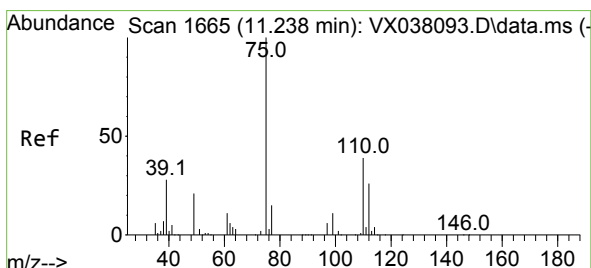
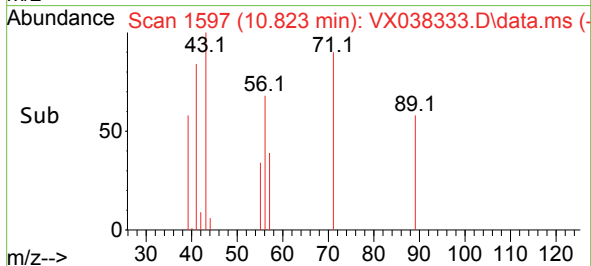
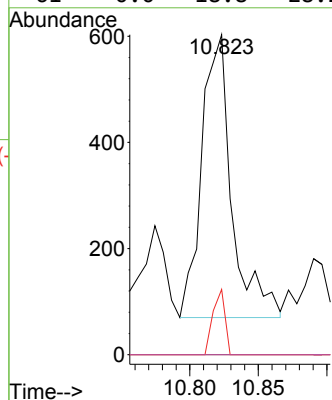
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 9.2 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 21.838 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038333.D

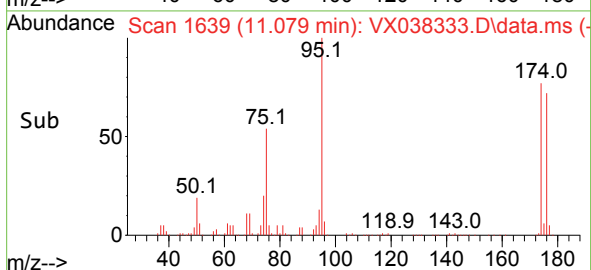
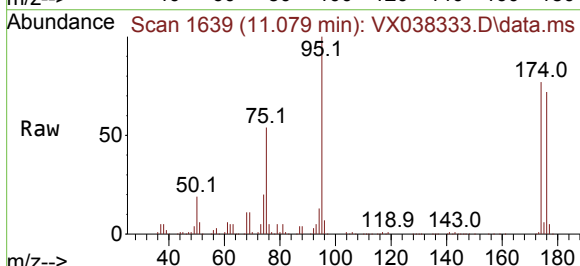
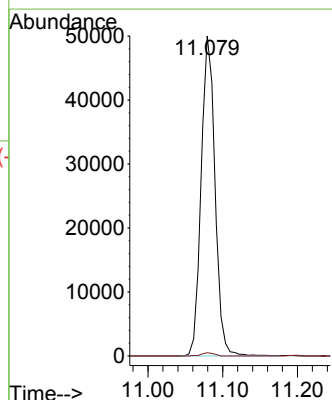
Acq: 17 Oct 2023 16:41

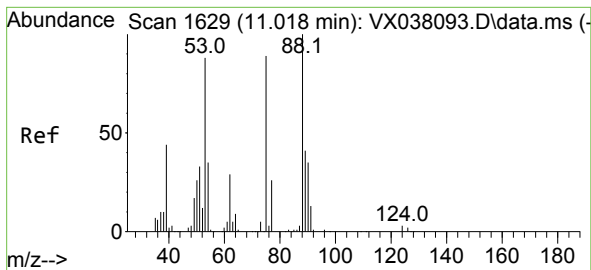
Tgt Ion: 75 Resp: 64477

Ion Ratio Lower Upper

75 100

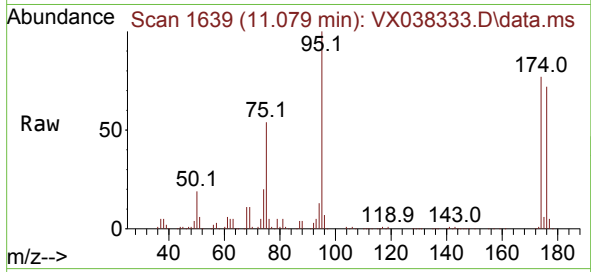
77 0.9 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.655 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038333.D
 Acq: 17 Oct 2023 16:41

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 64477
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

