

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102523\
 Data File : VX038490.D
 Acq On : 25 Oct 2023 19:11
 Operator : JC/MD
 Sample : 05010-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 26 04:10:44 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)

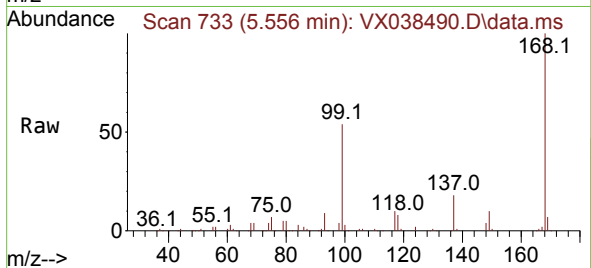
Internal Standards						
1) Pentafluorobenzene	5.556	168	179619	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	310830	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	320791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	171430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	110788	38.347	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	76.700%	#	
35) Dibromofluoromethane	5.385	113	100630	44.930	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.860%		
50) Toluene-d8	8.647	98	385762	45.073	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.140%	#	
62) 4-Bromofluorobenzene	11.079	95	148829	45.869	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.740%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	77	Below Cal	#	3
6) Chloroethane	1.666	64	305	Below Cal	#	43
11) Tert butyl alcohol	2.953	59	1269	Below Cal	#	78
16) Acetone	2.380	43	25257	20.947	ug/l	93
17) Carbon Disulfide	2.514	76	1317	0.278	ug/l	# 88
18) Methyl Acetate	2.709	43	1557	0.301	ug/l	# 89
20) Methylene Chloride	2.794	84	6204	2.735	ug/l	# 80
25) 2-Butanone	4.568	43	2308	1.186	ug/l	95
29) Tetrahydrofuran	5.032	42	436	0.344	ug/l	# 54
31) Cyclohexane	5.550	56	3908	1.249	ug/l	# 1
37) Ethyl Acetate	4.733	43	2865	0.781	ug/l	# 93
38) Carbon Tetrachloride	5.550	117	18215	5.995	ug/l	# 15
43) Isopropyl Acetate	6.342	43	113008	20.638	ug/l	96
48) Methyl methacrylate	7.793	41	98854	37.816	ug/l	# 50
49) 1,4-Dioxane	7.793	88	148	2.298	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	90314	23.912	ug/l	# 52
53) t-1,3-Dichloropropene	8.952	75	827	0.250	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	44214	12.709	ug/l	# 60
56) Ethyl methacrylate	9.244	69	1043	0.283	ug/l	# 1
57) 1,3-Dichloropropane	9.482	76	5373	1.380	ug/l	# 42
59) 2-Hexanone	9.482	43	65427	21.547	ug/l	# 56
76) 1,2,3-Trichloropropane	11.079	75	77000	19.758	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	77000	57.071	ug/l	# 5
93) 1,2,4-Trichlorobenzene	13.591	180	1305	0.359	ug/l	96
94) Hexachlorobutadiene	13.719	225	303	0.207	ug/l	88
96) 1,2,3-Trichlorobenzene	13.963	180	779	0.221	ug/l	92

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

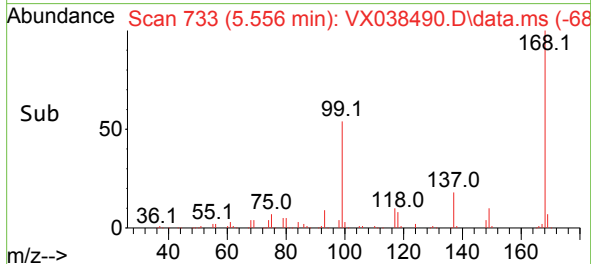
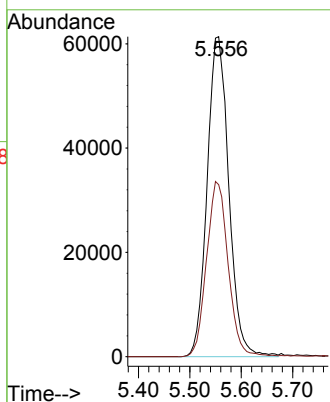


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038490.D
Acq: 25 Oct 2023 19:11

Instrument :
MSVOA_X
ClientSampleId :

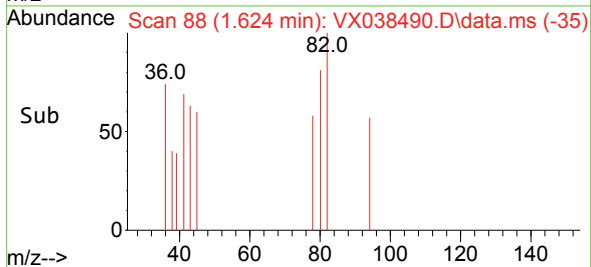
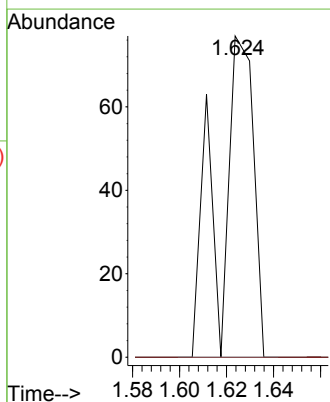
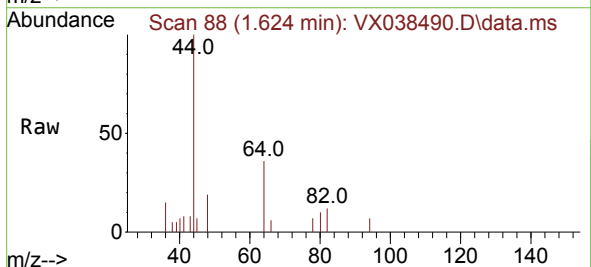


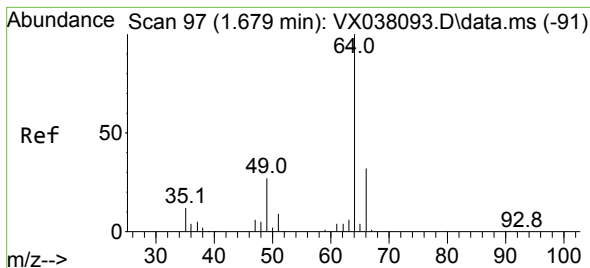
Tgt Ion:168 Resp: 179619
Ion Ratio Lower Upper
168 100
99 53.7 56.6 85.0#



#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX038490.D
Acq: 25 Oct 2023 19:11

Tgt Ion: 94 Resp: 77
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#





#6

Chloroethane

Concen: Below Cal

RT: 1.666 min Scan# 91

Delta R.T. -0.013 min

Lab File: VX038490.D

Acq: 25 Oct 2023 19:11

Instrument :

MSVOA_X

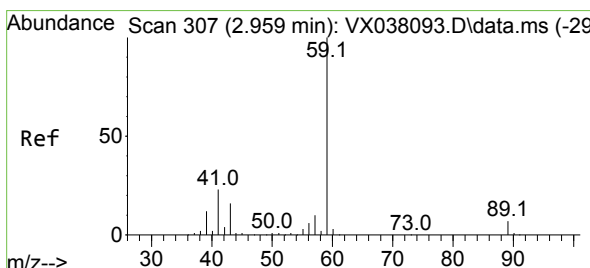
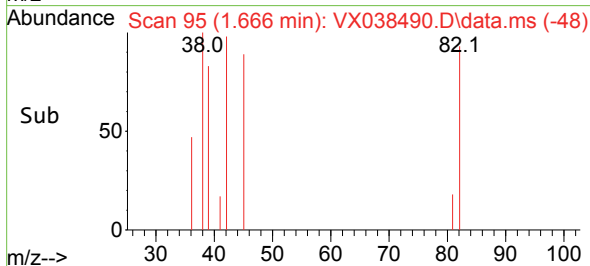
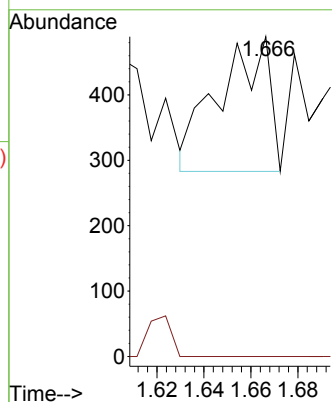
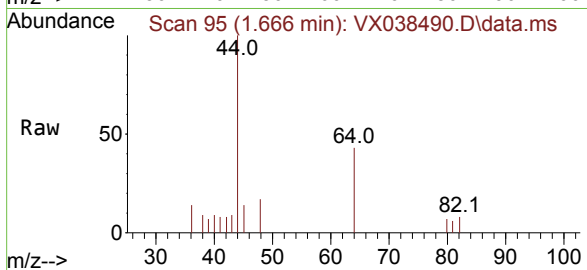
ClientSampleId :

Tgt Ion: 64 Resp: 305

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 306

Delta R.T. -0.006 min

Lab File: VX038490.D

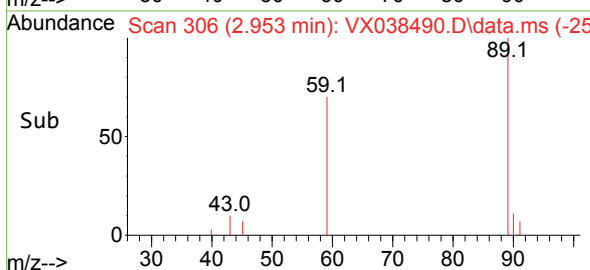
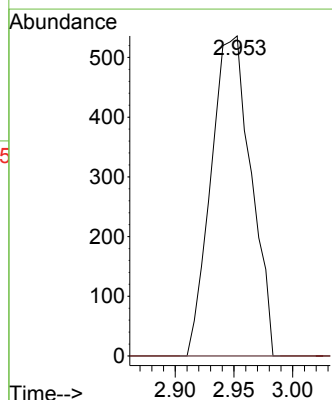
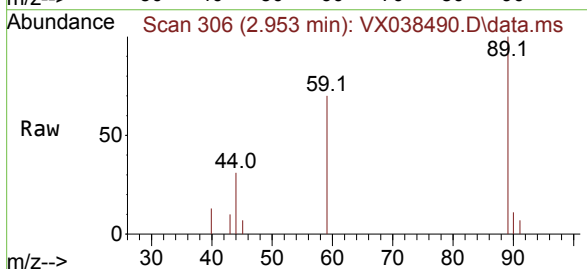
Acq: 25 Oct 2023 19:11

Tgt Ion: 59 Resp: 1269

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

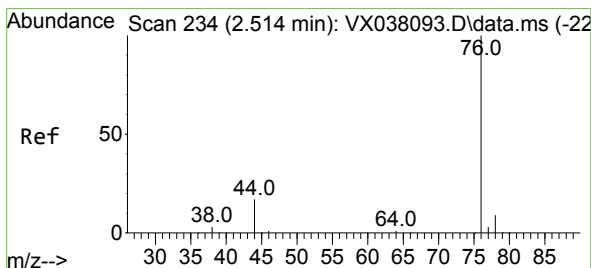
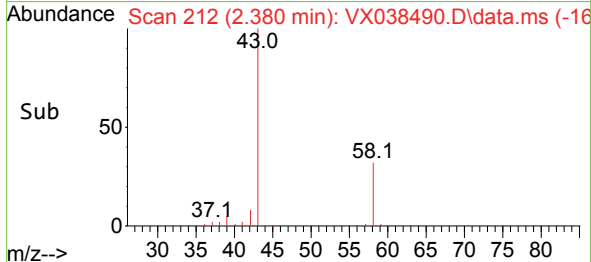
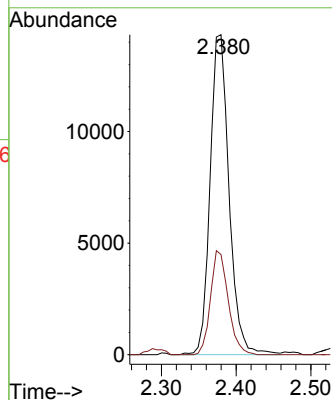
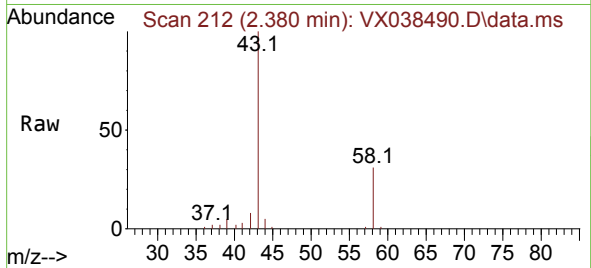




#16
Acetone
Concen: 20.947 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038490.D
Acq: 25 Oct 2023 19:11

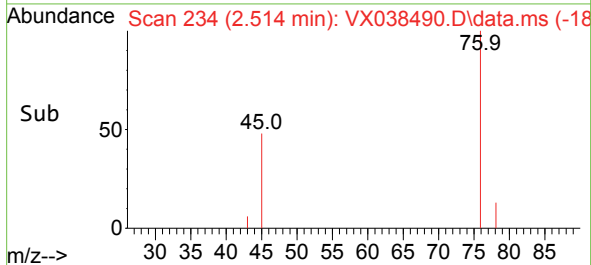
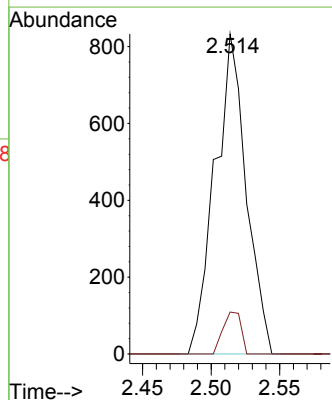
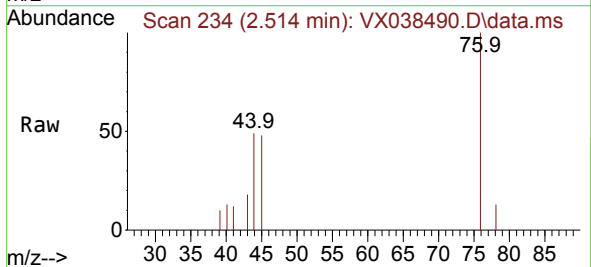
Instrument :
MSVOA_X
ClientSampleId :

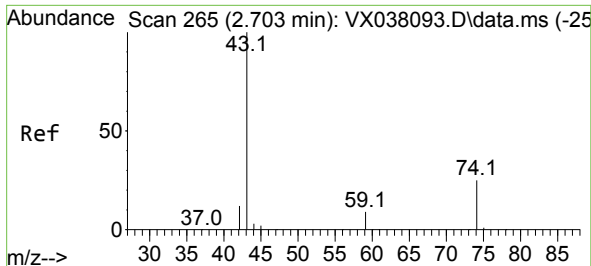
Tgt Ion: 43 Resp: 25257
Ion Ratio Lower Upper
43 100
58 31.3 21.9 32.9



#17
Carbon Disulfide
Concen: 0.278 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX038490.D
Acq: 25 Oct 2023 19:11

Tgt Ion: 76 Resp: 1317
Ion Ratio Lower Upper
76 100
78 13.1 7.0 10.6#

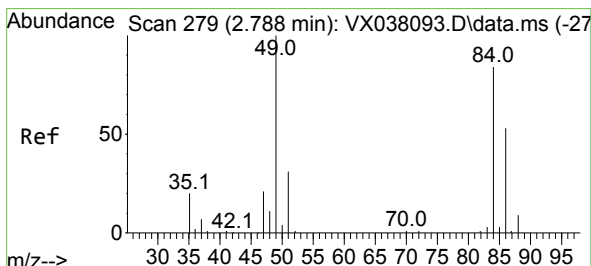
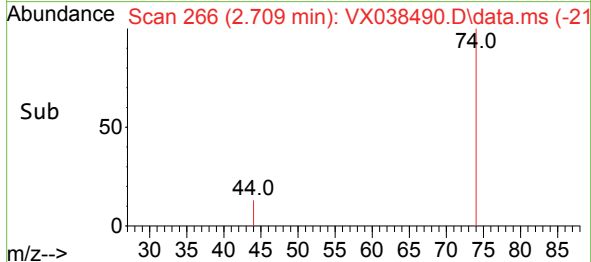
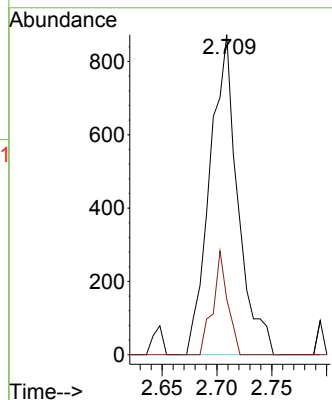
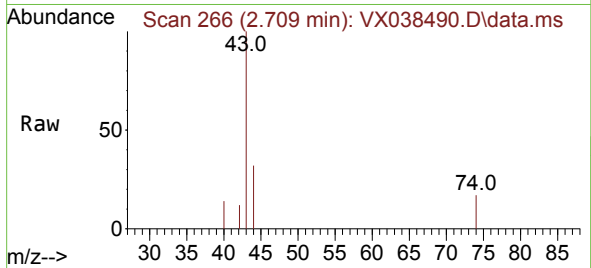




#18
Methyl Acetate
Concen: 0.301 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038490.D
Acq: 25 Oct 2023 19:11

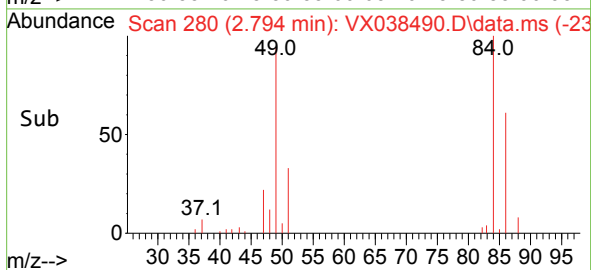
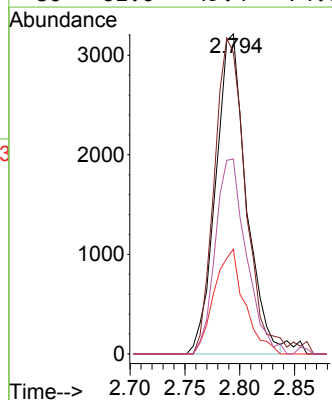
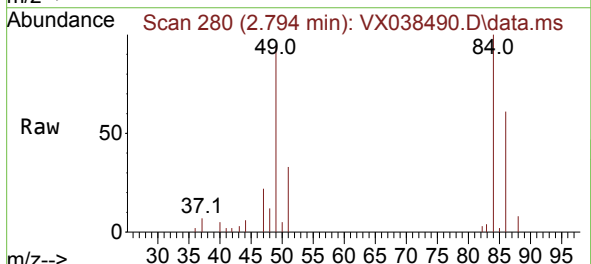
Instrument :
MSVOA_X
ClientSampleId :

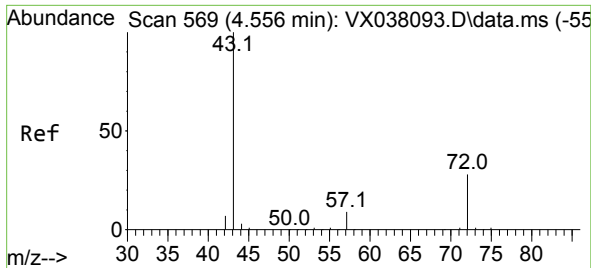
Tgt Ion: 43 Resp: 1557
Ion Ratio Lower Upper
43 100
74 17.0 17.8 26.8#



#20
Methylene Chloride
Concen: 2.735 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX038490.D
Acq: 25 Oct 2023 19:11

Tgt Ion: 84 Resp: 6204
Ion Ratio Lower Upper
84 100
49 94.3 103.6 155.4#
51 32.7 33.8 50.6#
86 61.0 49.4 74.0

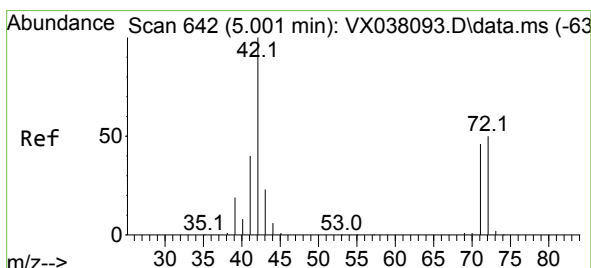
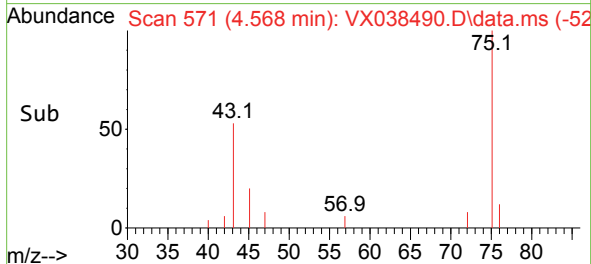
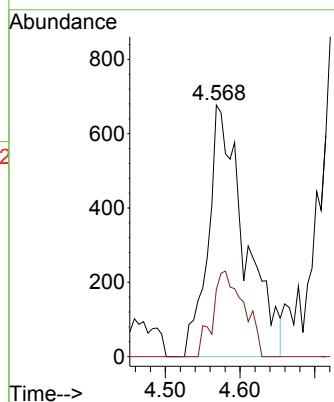
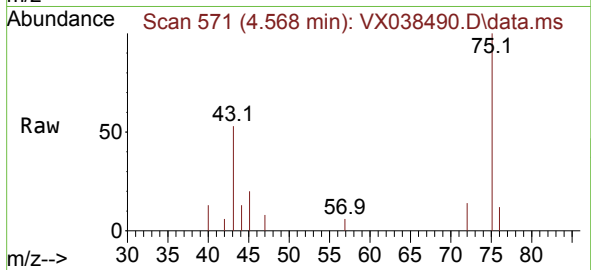




#25
2-Butanone
Concen: 1.186 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX038490.D
Acq: 25 Oct 2023 19:11

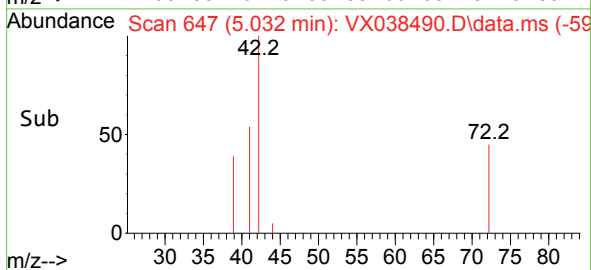
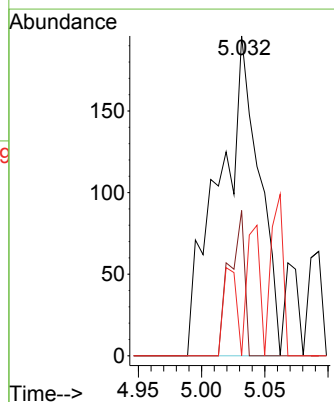
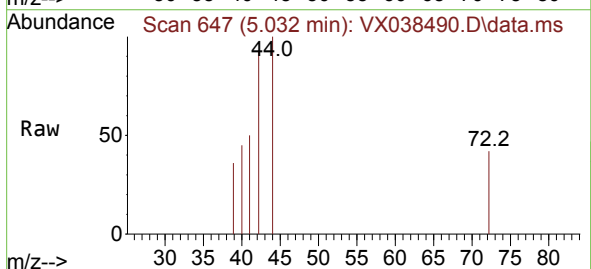
Instrument :
MSVOA_X
ClientSampleId :

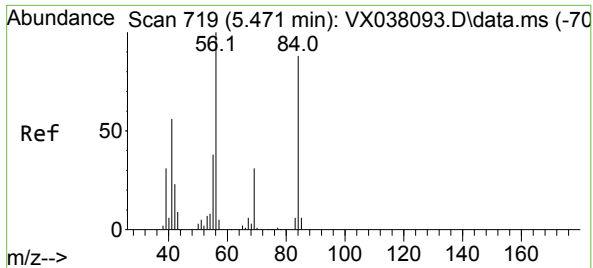
Tgt Ion: 43 Resp: 2308
Ion Ratio Lower Upper
43 100
72 26.7 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.344 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.031 min
Lab File: VX038490.D
Acq: 25 Oct 2023 19:11

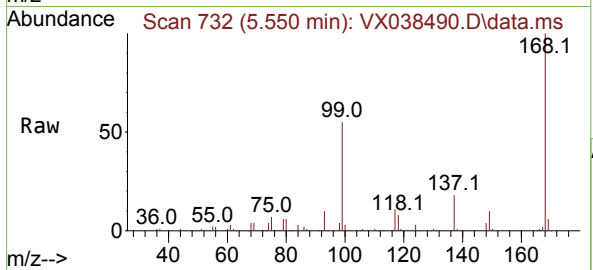
Tgt Ion: 42 Resp: 436
Ion Ratio Lower Upper
42 100
72 16.7 34.2 51.4#
71 8.7 32.2 48.2#



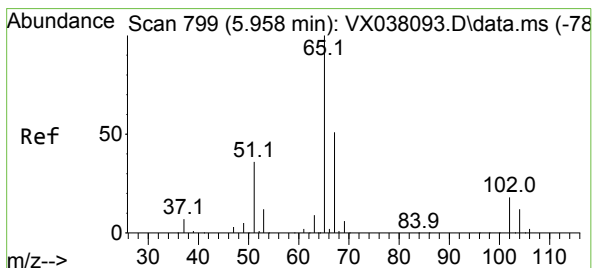
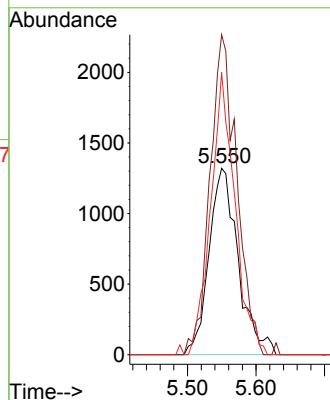
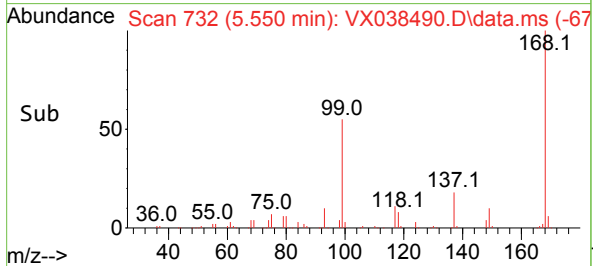


#31
Cyclohexane
Concen: 1.249 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX038490.D
Acq: 25 Oct 2023 19:11

Instrument :
MSVOA_X
ClientSampleId :

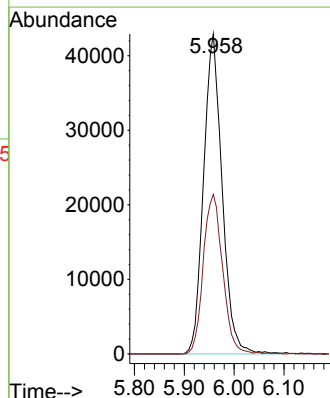
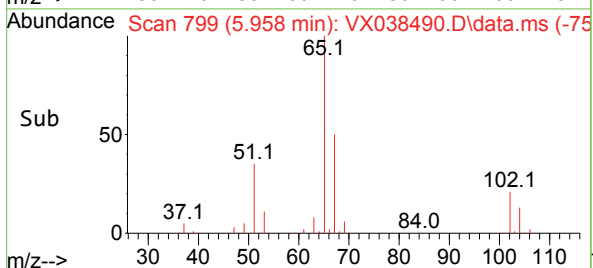
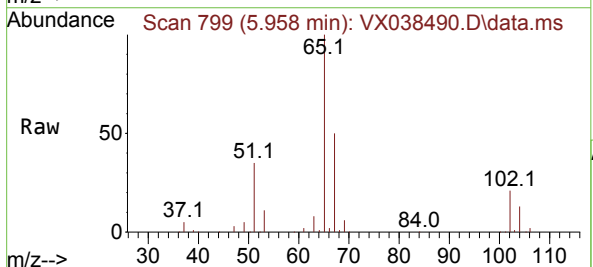


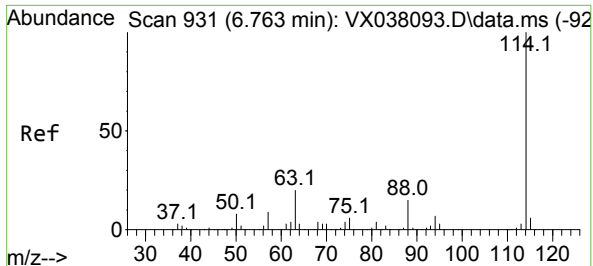
Tgt Ion: 56 Resp: 3908
Ion Ratio Lower Upper
56 100
69 171.6 23.4 35.2#
84 151.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 38.347 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038490.D
Acq: 25 Oct 2023 19:11

Tgt Ion: 65 Resp: 110788
Ion Ratio Lower Upper
65 100
67 52.1 0.0 100.2

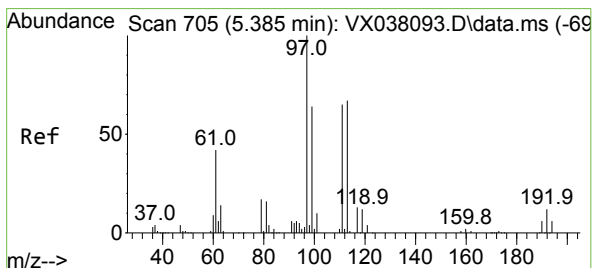
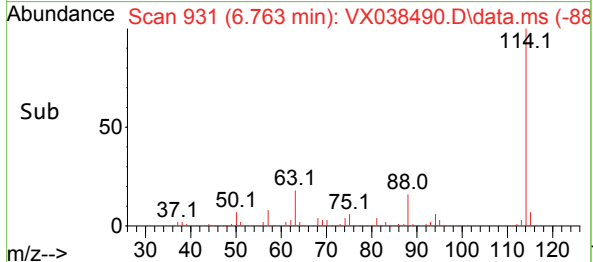
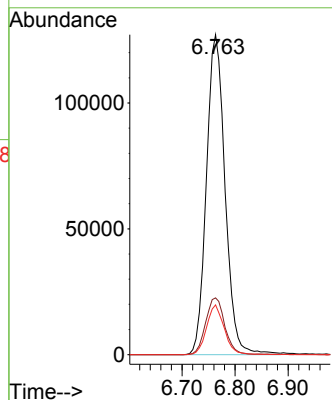
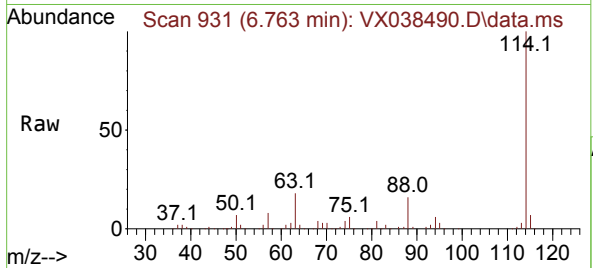




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX038490.D
Acq: 25 Oct 2023 19:11

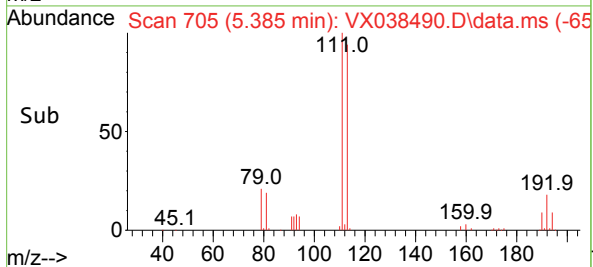
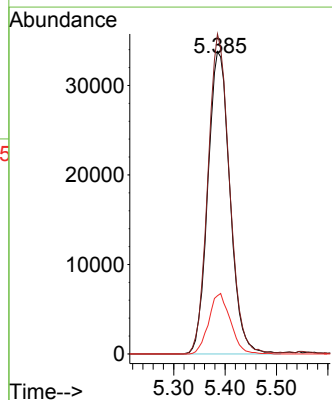
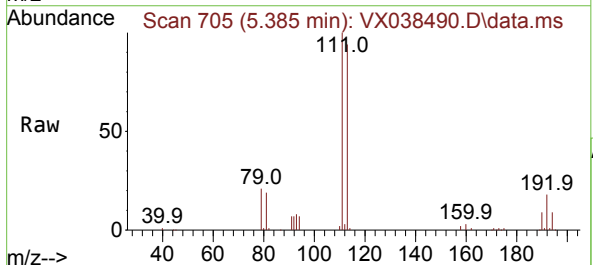
Instrument :
MSVOA_X
ClientSampleId :

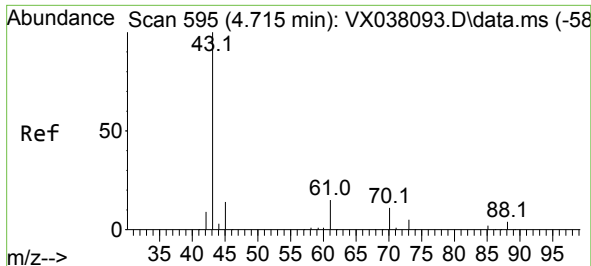
Tgt Ion:114 Resp: 310830
Ion Ratio Lower Upper
114 100
63 17.8 0.0 45.0
88 15.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.930 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038490.D
Acq: 25 Oct 2023 19:11

Tgt Ion:113 Resp: 100630
Ion Ratio Lower Upper
113 100
111 103.9 82.9 124.3
192 19.7 13.3 19.9





#37

Ethyl Acetate

Concen: 0.781 ug/l

RT: 4.733 min Scan# 598

Delta R.T. 0.018 min

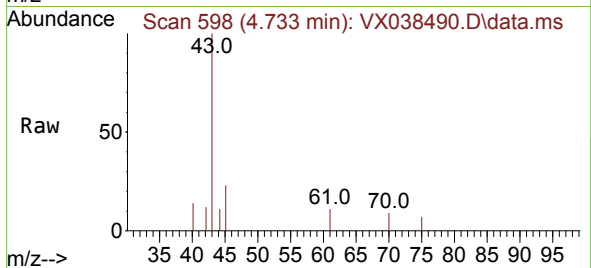
Lab File: VX038490.D

Acq: 25 Oct 2023 19:11

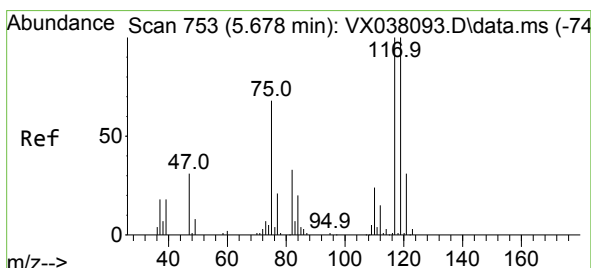
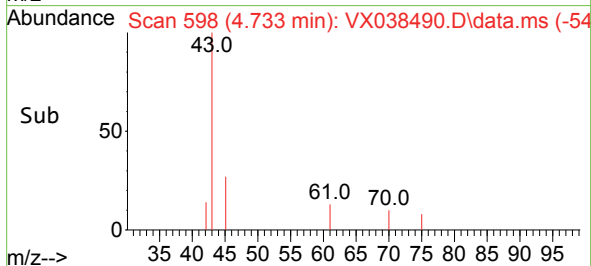
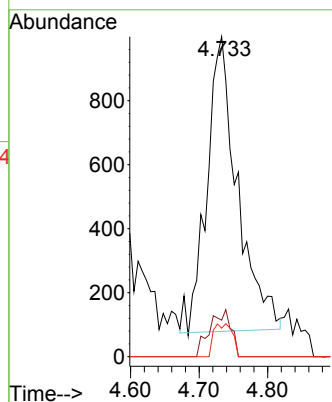
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 2865
Ion Ratio	Lower Upper
43	100
61	11.1 10.6 16.0
70	6.8 8.3 12.5



#38

Carbon Tetrachloride

Concen: 5.995 ug/l

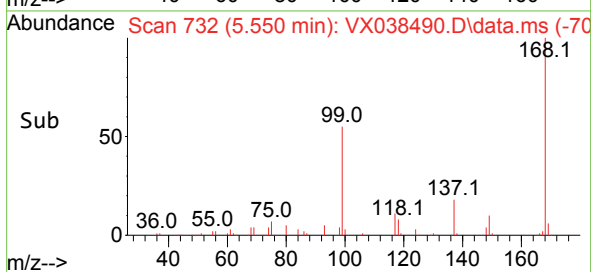
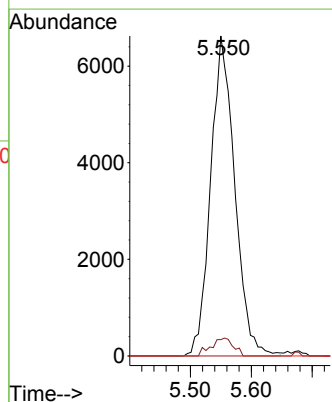
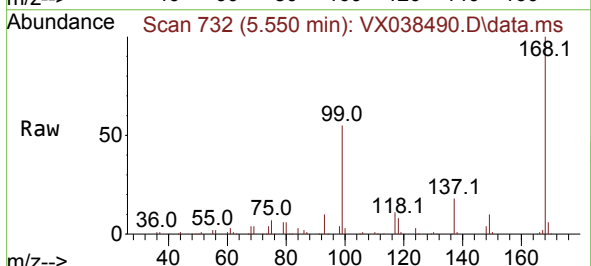
RT: 5.550 min Scan# 732

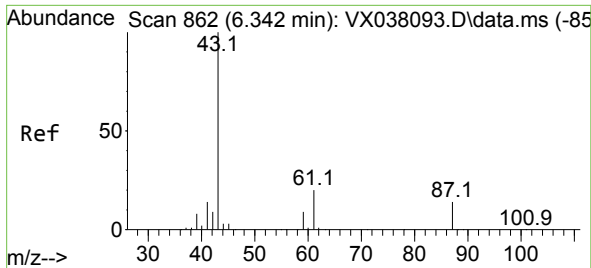
Delta R.T. -0.128 min

Lab File: VX038490.D

Acq: 25 Oct 2023 19:11

Tgt Ion: 117	Resp: 18215
Ion Ratio	Lower Upper
117	100
119	5.1 78.2 117.2
121	0.0 24.4 36.6

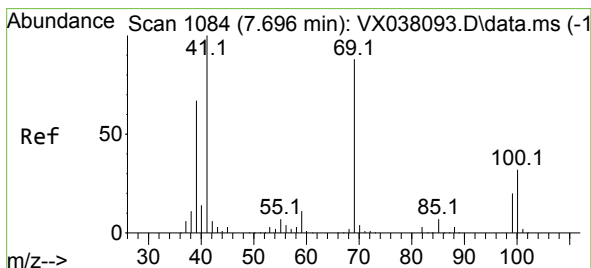
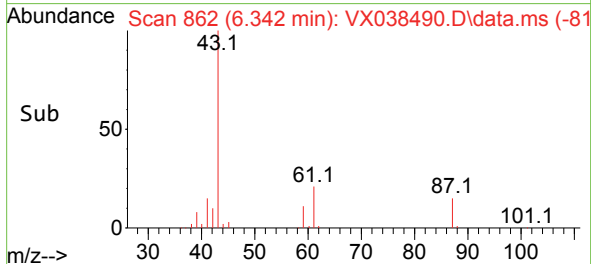
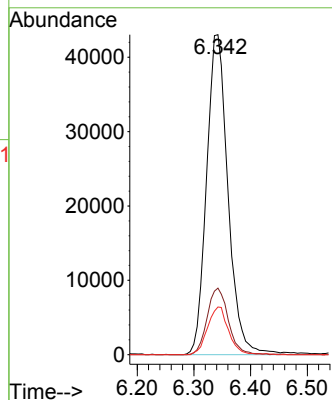
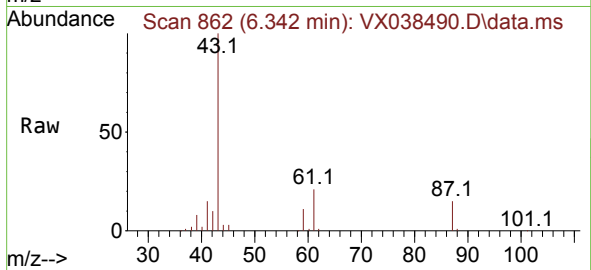




#43
Isopropyl Acetate
Concen: 20.638 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX038490.D
Acq: 25 Oct 2023 19:11

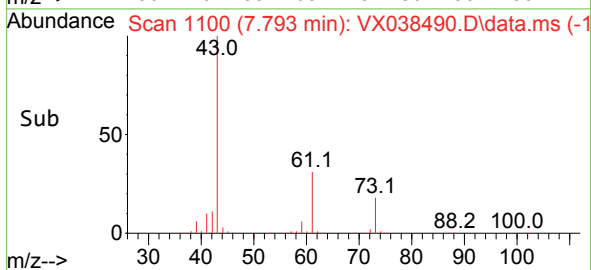
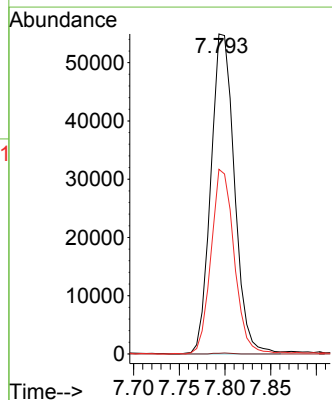
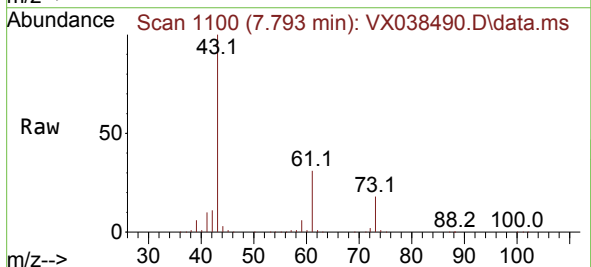
Instrument :
MSVOA_X
ClientSampleId :

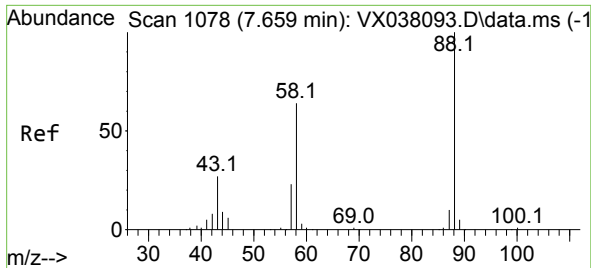
Tgt Ion: 43 Resp: 113008
Ion Ratio Lower Upper
43 100
61 20.5 15.2 22.8
87 14.5 9.8 14.6



#48
Methyl methacrylate
Concen: 37.816 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX038490.D
Acq: 25 Oct 2023 19:11

Tgt Ion: 41 Resp: 98854
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 57.0 47.7 71.5

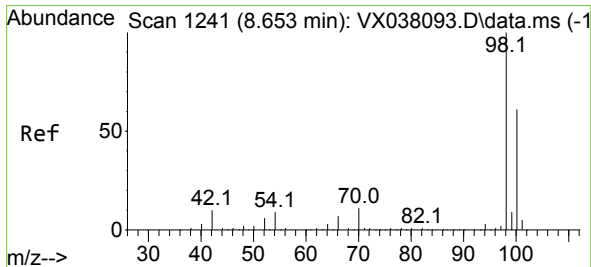
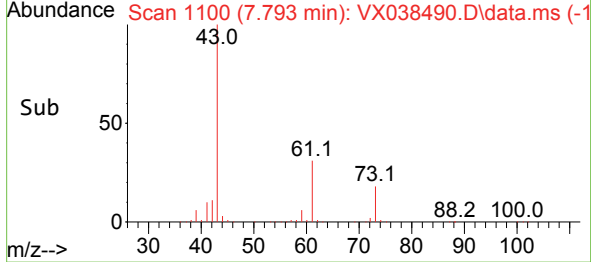
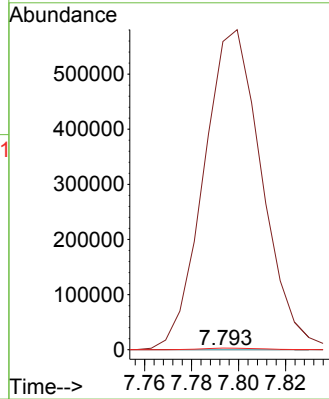
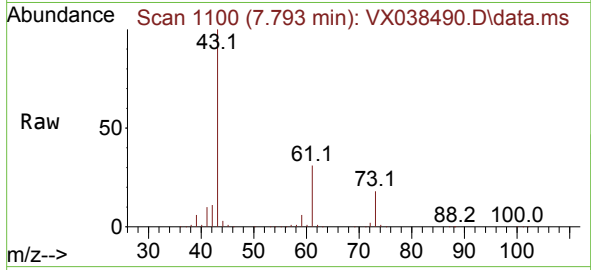




#49
1,4-Dioxane
Concen: 2.298 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX038490.D
Acq: 25 Oct 2023 19:11

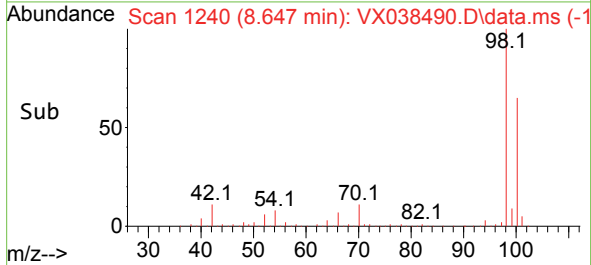
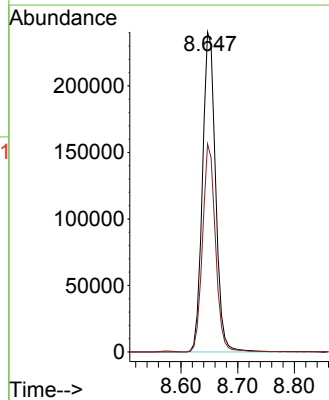
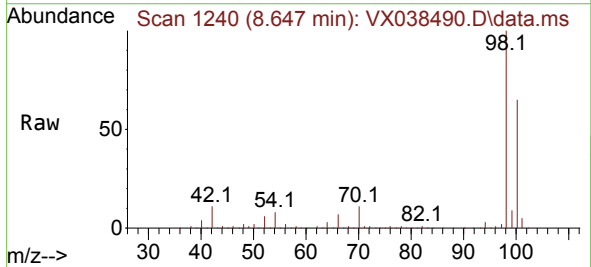
Instrument :
MSVOA_X
ClientSampleId :

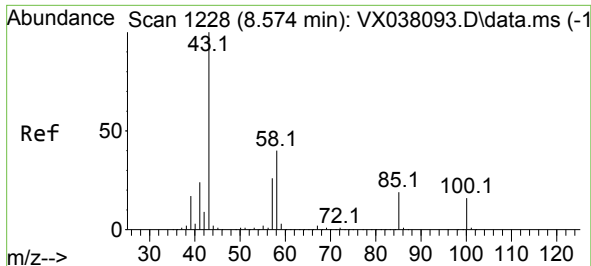
Tgt Ion: 88 Resp: 148
Ion Ratio Lower Upper
88 100
43 686765.5 0.0 0.0#
58 3323.6 60.1 90.1#



#50
Toluene-d8
Concen: 45.073 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038490.D
Acq: 25 Oct 2023 19:11

Tgt Ion: 98 Resp: 385762
Ion Ratio Lower Upper
98 100
100 64.4 53.1 79.7

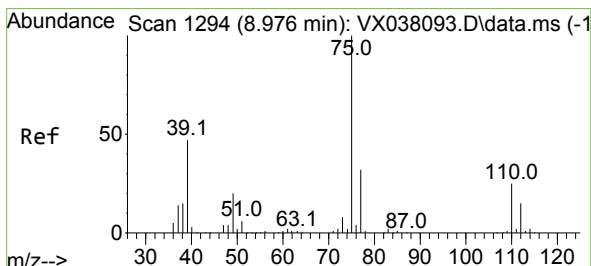
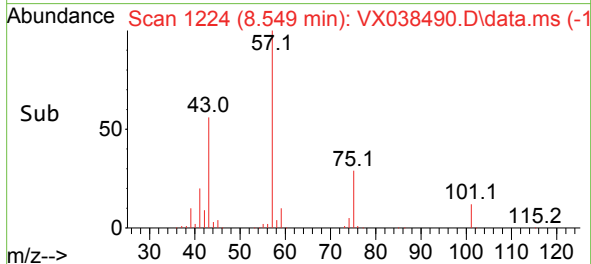
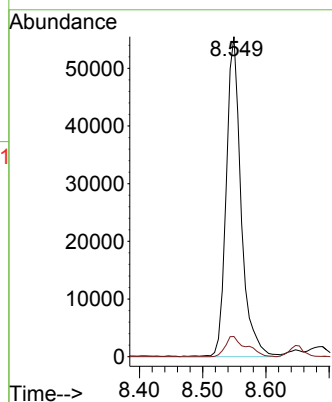
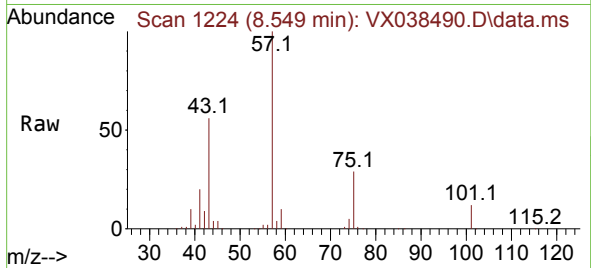




#51
4-Methyl-2-Pentanone
Concen: 23.912 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX038490.D
Acq: 25 Oct 2023 19:11

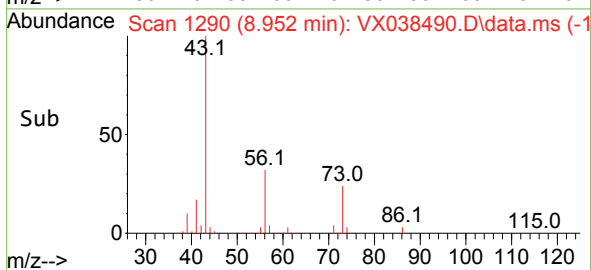
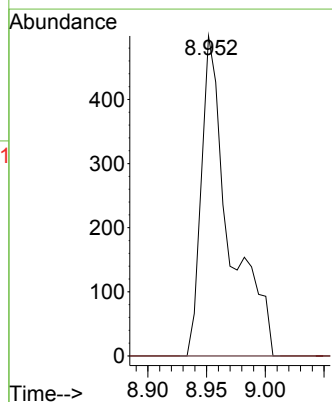
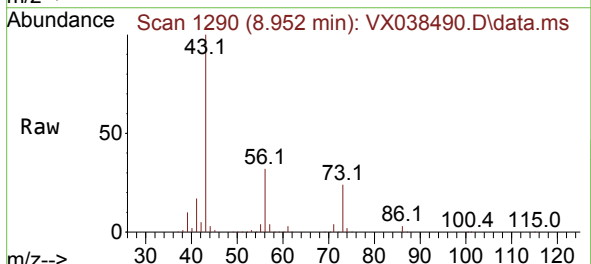
Instrument :
MSVOA_X
ClientSampleId :

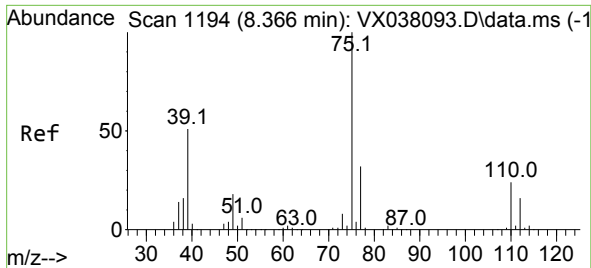
Tgt Ion: 43 Resp: 90314
Ion Ratio Lower Upper
43 100
58 8.8 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.250 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX038490.D
Acq: 25 Oct 2023 19:11

Tgt Ion: 75 Resp: 827
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

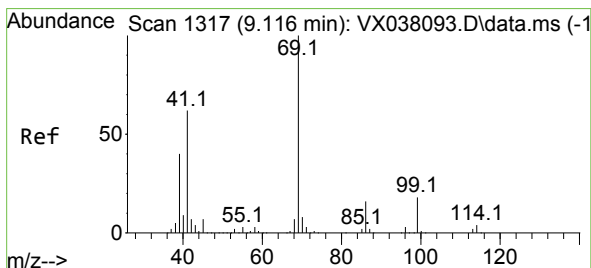
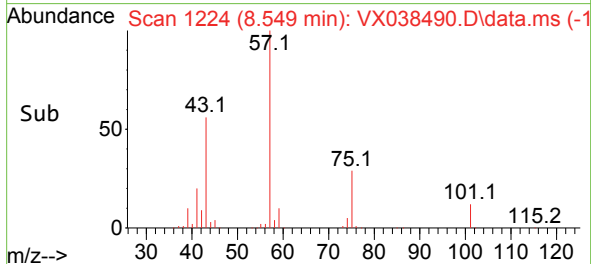
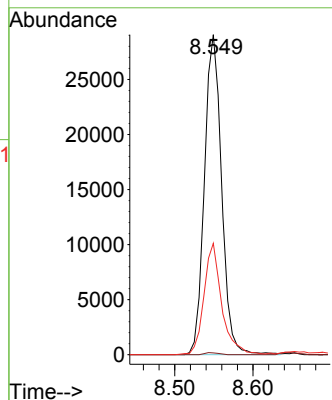
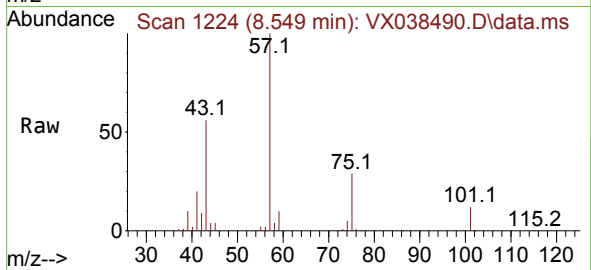




#54
cis-1,3-Dichloropropene
Concen: 12.709 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX038490.D
Acq: 25 Oct 2023 19:11

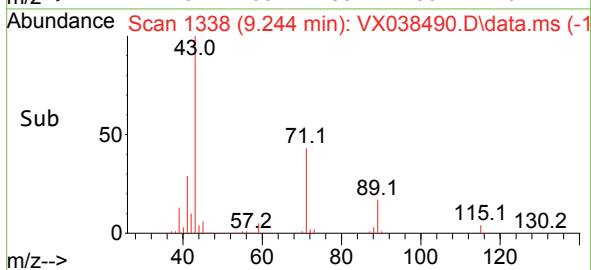
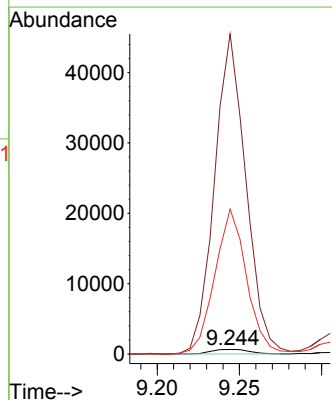
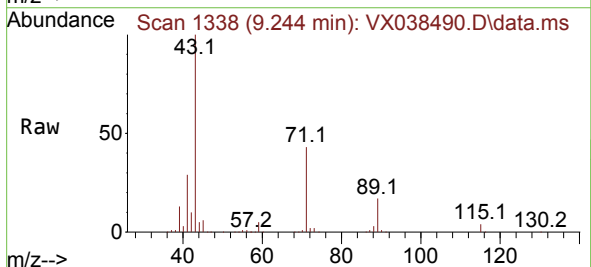
Instrument :
MSVOA_X
ClientSampleId :

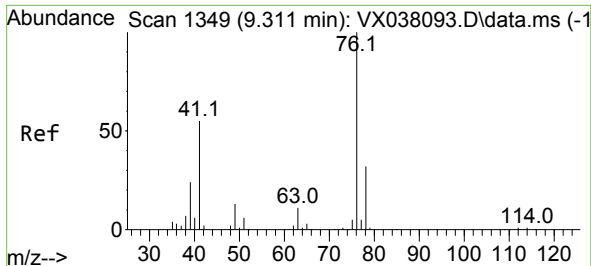
Tgt Ion: 75 Resp: 44214
Ion Ratio Lower Upper
75 100
77 0.6 25.3 37.9#
39 34.6 46.7 70.1#



#56
Ethyl methacrylate
Concen: 0.283 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX038490.D
Acq: 25 Oct 2023 19:11

Tgt Ion: 69 Resp: 1043
Ion Ratio Lower Upper
69 100
41 5803.9 56.8 85.2#
39 2659.9 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.380 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX038490.D

Acq: 25 Oct 2023 19:11

Instrument :

MSVOA_X

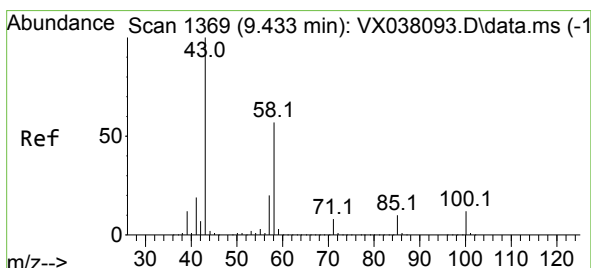
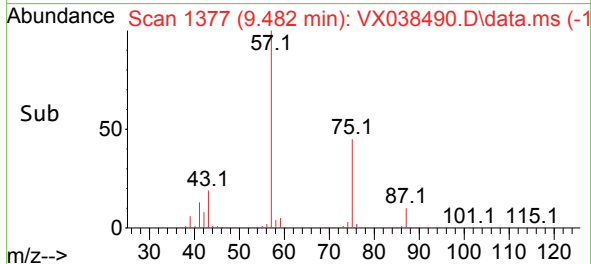
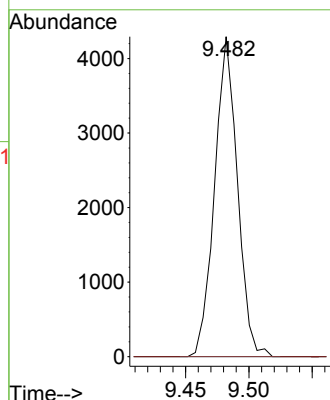
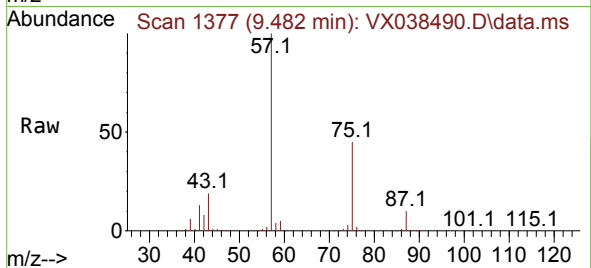
ClientSampleId :

Tgt Ion: 76 Resp: 5373

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 21.547 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX038490.D

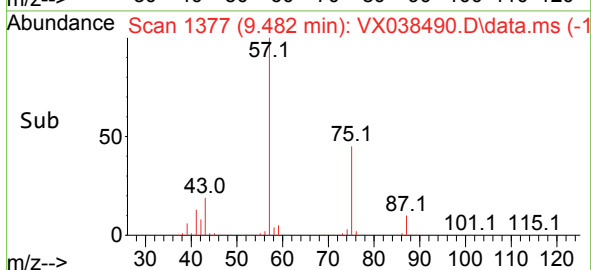
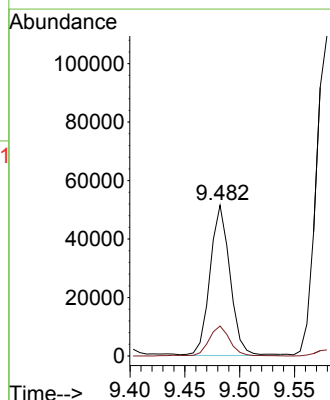
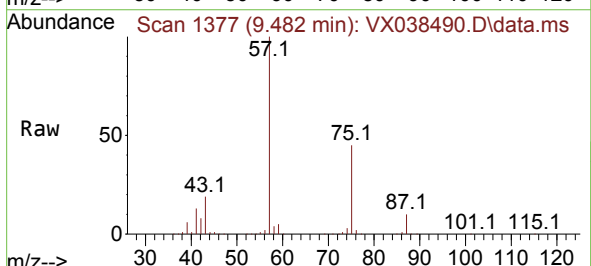
Acq: 25 Oct 2023 19:11

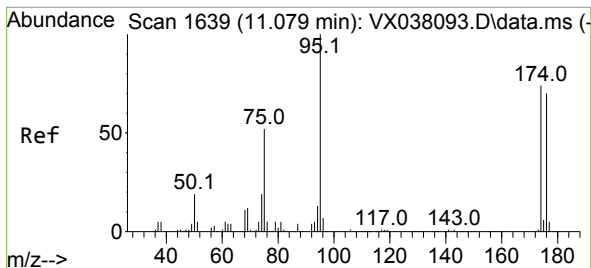
Tgt Ion: 43 Resp: 65427

Ion Ratio Lower Upper

43 100

58 20.9 26.2 78.5#

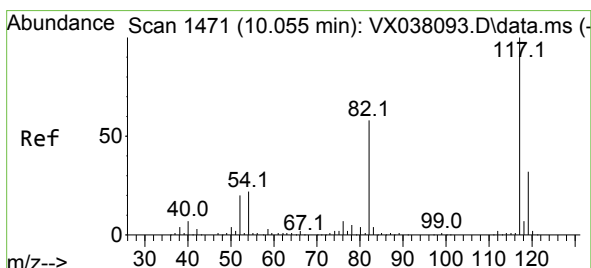
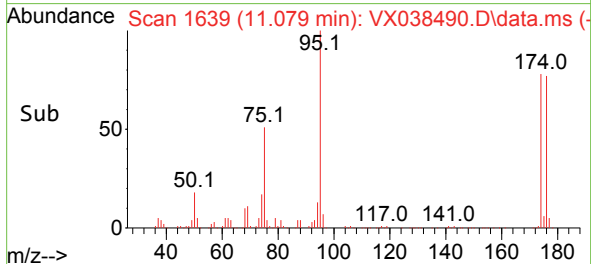
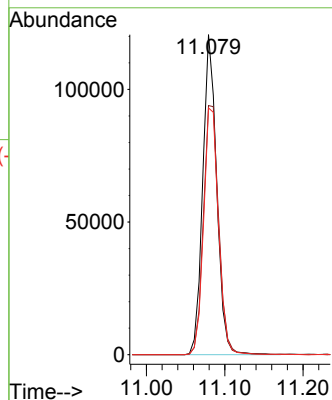
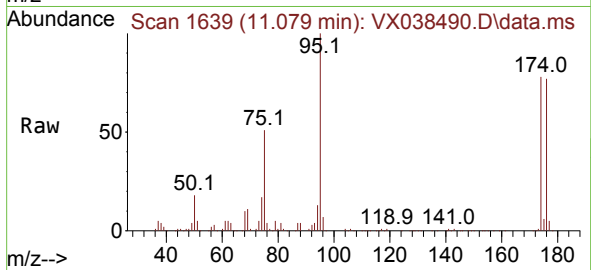




#62
4-Bromofluorobenzene
Concen: 45.869 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038490.D
Acq: 25 Oct 2023 19:11

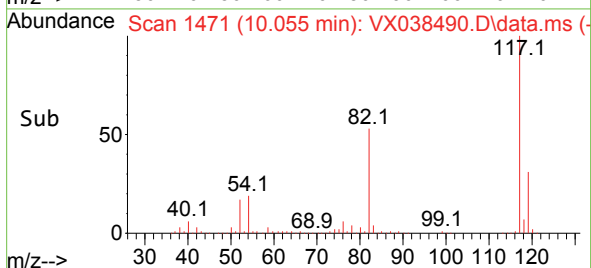
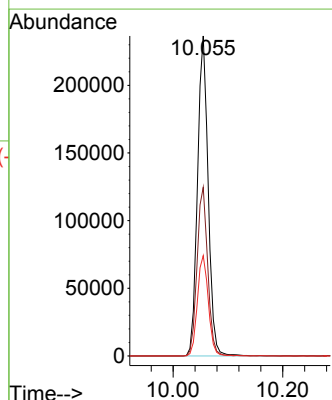
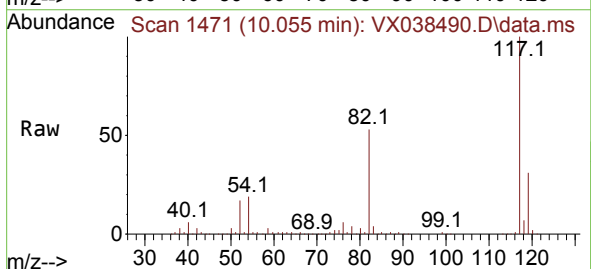
Instrument :
MSVOA_X
ClientSampleId :

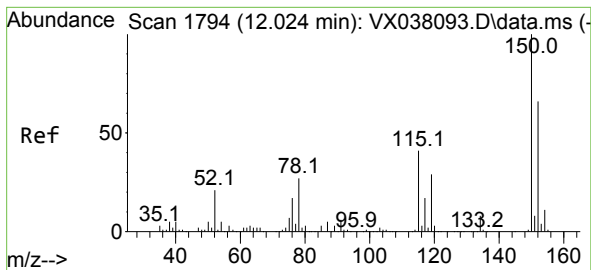
Tgt Ion: 95 Resp: 148829
Ion Ratio Lower Upper
95 100
174 85.8 0.0 135.6
176 82.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038490.D
Acq: 25 Oct 2023 19:11

Tgt Ion: 117 Resp: 320791
Ion Ratio Lower Upper
117 100
82 52.7 46.2 69.4
119 31.3 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038490.D

Acq: 25 Oct 2023 19:11

Instrument :

MSVOA_X

ClientSampleId :

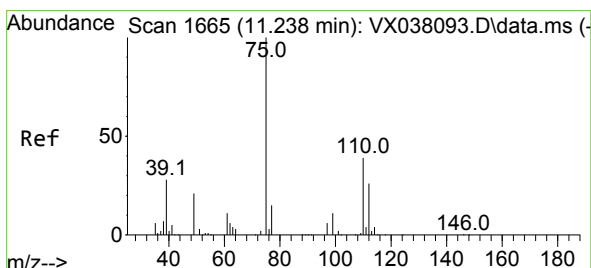
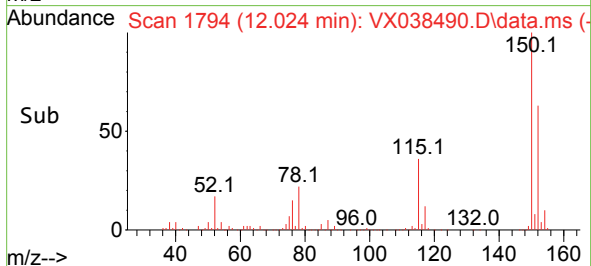
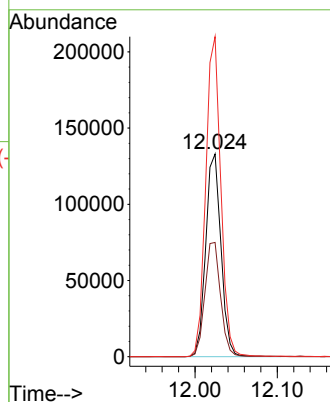
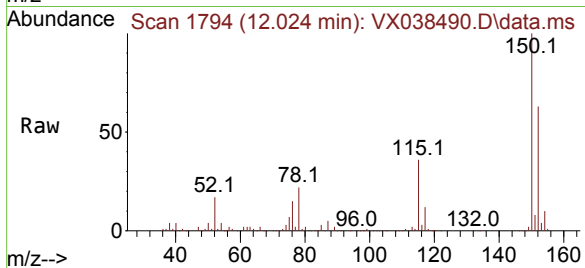
Tgt Ion:152 Resp: 171430

Ion Ratio Lower Upper

152 100

115 58.3 43.3 129.9

150 156.0 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 19.758 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038490.D

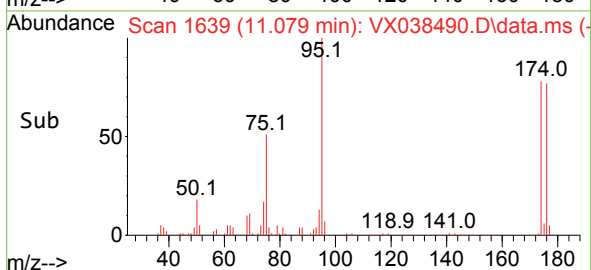
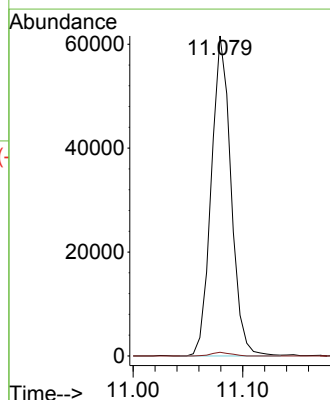
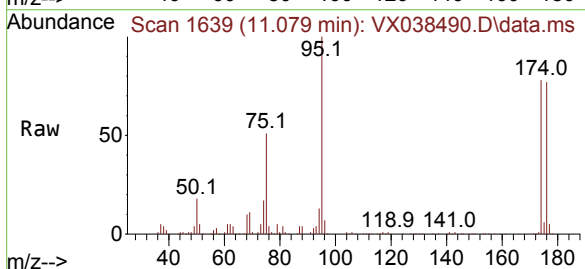
Acq: 25 Oct 2023 19:11

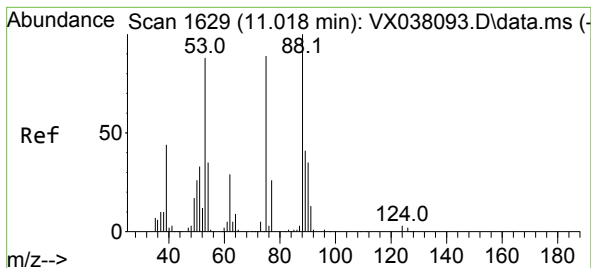
Tgt Ion: 75 Resp: 77000

Ion Ratio Lower Upper

75 100

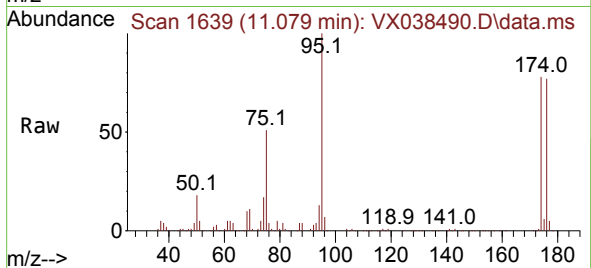
77 1.2 19.1 57.5#



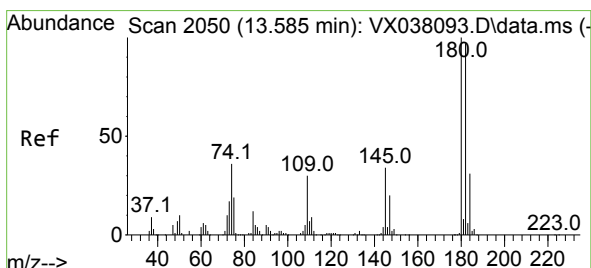
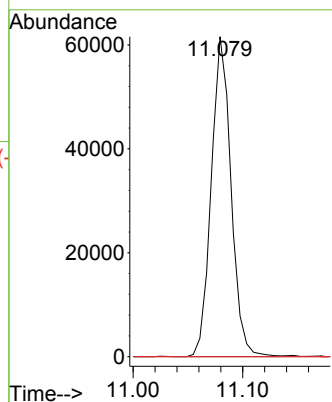
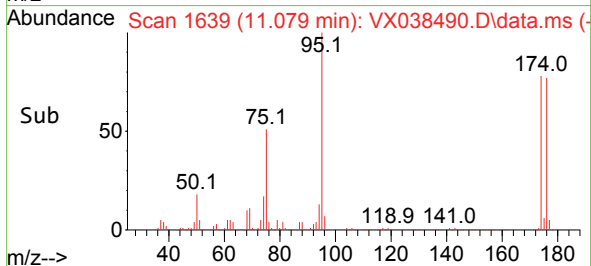


#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.071 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038490.D
 Acq: 25 Oct 2023 19:11

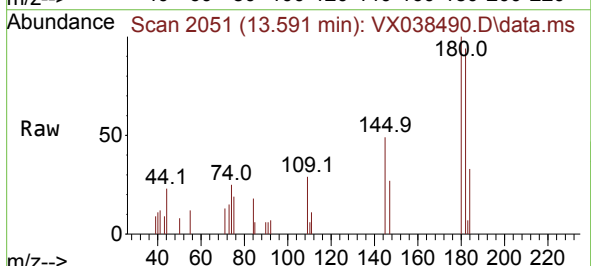
Instrument :
 MSVOA_X
 ClientSampleId :



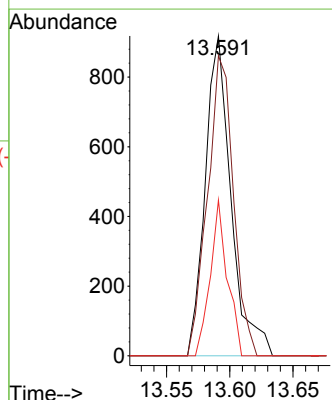
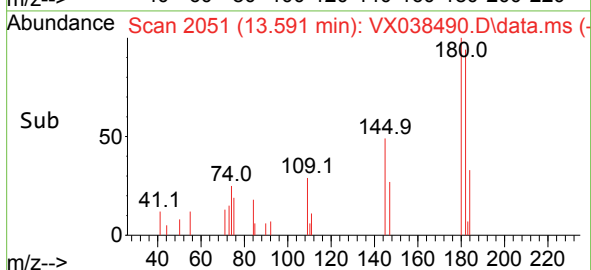
Tgt Ion: 75 Resp: 77000
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

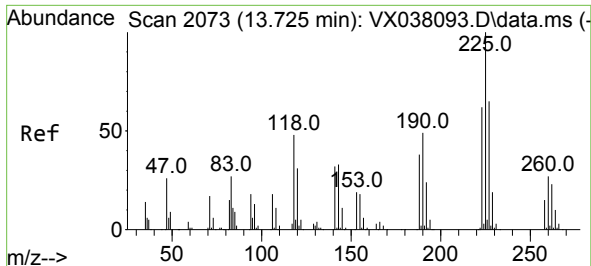


#93
 1,2,4-Trichlorobenzene
 Concen: 0.359 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.006 min
 Lab File: VX038490.D
 Acq: 25 Oct 2023 19:11



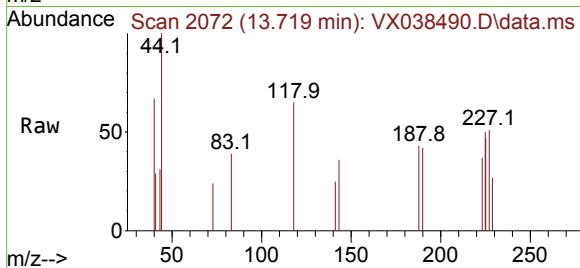
Tgt Ion: 180 Resp: 1305
 Ion Ratio Lower Upper
 180 100
 182 93.8 48.3 144.8
 145 32.3 18.0 54.0



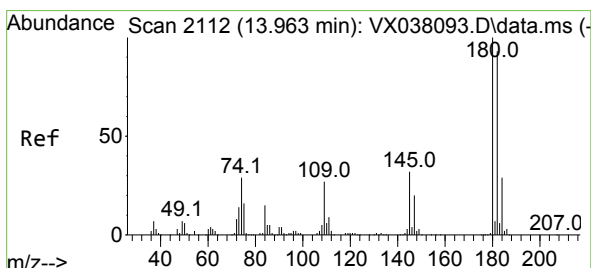
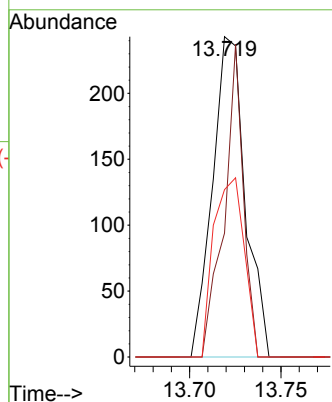
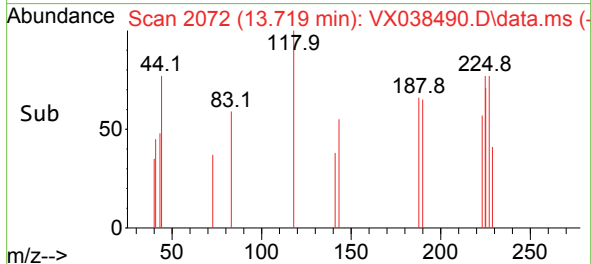


#94
Hexachlorobutadiene
Concen: 0.207 ug/l
RT: 13.719 min Scan# 2073
Delta R.T. -0.006 min
Lab File: VX038490.D
Acq: 25 Oct 2023 19:11

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:225 Resp: 303
Ion Ratio Lower Upper
225 100
223 57.1 31.1 93.2
227 52.1 32.5 97.5



#96
1,2,3-Trichlorobenzene
Concen: 0.221 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX038490.D
Acq: 25 Oct 2023 19:11

Tgt Ion:180 Resp: 779
Ion Ratio Lower Upper
180 100
182 86.0 46.9 140.6
145 31.1 17.8 53.5

