

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101723\
 Data File : VX038327.D
 Acq On : 17 Oct 2023 14:21
 Operator : JC/MD
 Sample : PB156409TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 18 03:59:03 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	130135	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	235579	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	250402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	125684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91508	43.718	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.440%
35) Dibromofluoromethane	5.385	113	73455	43.273	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.540%
50) Toluene-d8	8.647	98	304033	46.871	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.740%
62) 4-Bromofluorobenzene	11.079	95	118212	48.071	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.140%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	283	0.221	ug/l #	43
5) Bromomethane	1.618	94	85	Below Cal	#	3
6) Chloroethane	1.685	64	101	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	1367	Below Cal	#	78
16) Acetone	2.380	43	23262	26.629	ug/l	90
17) Carbon Disulfide	2.508	76	696	0.203	ug/l #	76
18) Methyl Acetate	2.709	43	1218	0.325	ug/l	92
20) Methylene Chloride	2.788	84	12279	7.473	ug/l	90
25) 2-Butanone	4.580	43	3432	2.435	ug/l #	80
29) Tetrahydrofuran	5.007	42	192	0.209	ug/l #	77
31) Cyclohexane	5.556	56	3360	1.482	ug/l #	18
36) 1,1-Dichloropropene	5.550	75	10708	4.574	ug/l #	47
37) Ethyl Acetate	4.727	43	3206	1.153	ug/l #	86
38) Carbon Tetrachloride	5.550	117	13771	5.980	ug/l #	14
41) Methacrylonitrile	5.025	41	330	0.239	ug/l #	41
43) Isopropyl Acetate	6.342	43	104729	25.235	ug/l	97
48) Methyl methacrylate	7.799	41	108251	54.639	ug/l #	50
49) 1,4-Dioxane	7.793	88	154	3.154	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	84931	29.669	ug/l #	53
54) cis-1,3-Dichloropropene	8.549	75	38888	14.749	ug/l #	59
56) Ethyl methacrylate	9.244	69	900	0.322	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	5789	1.962	ug/l #	42
59) 2-Hexanone	9.482	43	73802	32.070	ug/l #	54
74) N-amyl acetate	10.823	43	880	0.244	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	62955	22.033	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	62955	63.179	ug/l #	5

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

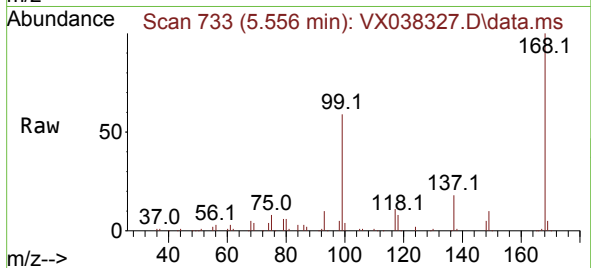
Quant Time: Oct 18 03:59:03 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration



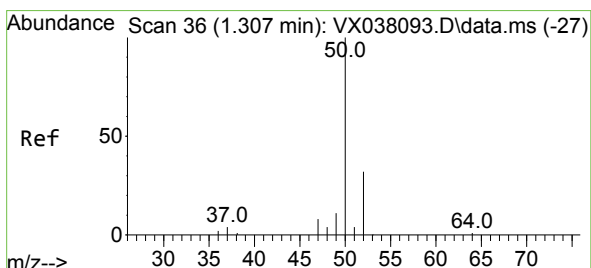
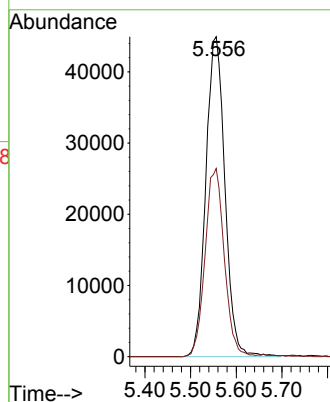
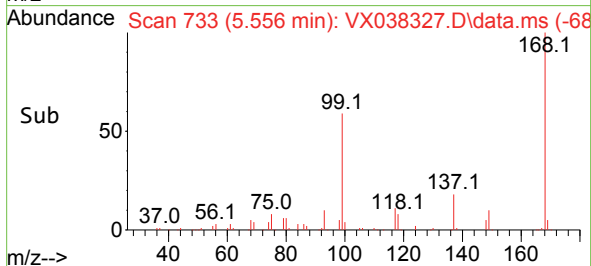


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038327.D
Acq: 17 Oct 2023 14:21

Instrument :
MSVOA_X
ClientSampleId :

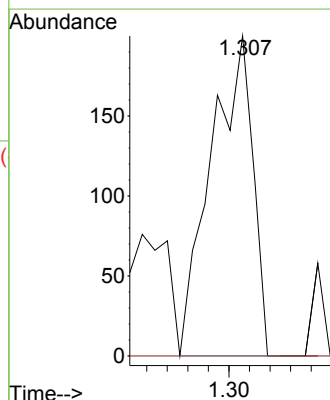
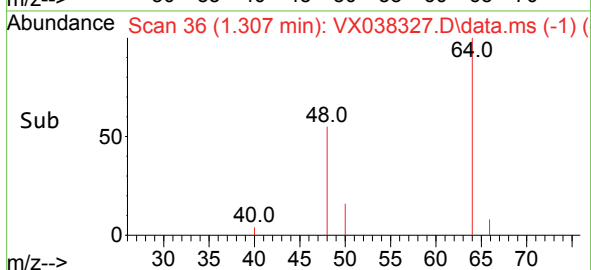
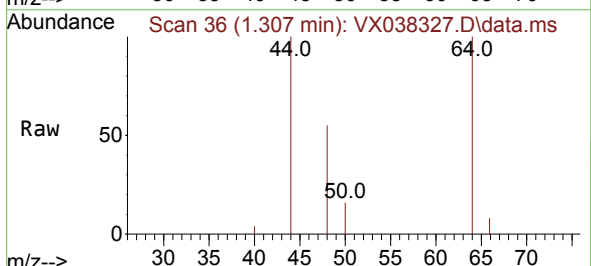


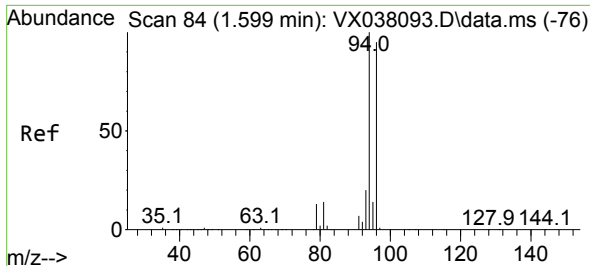
Tgt Ion:168 Resp: 130135
Ion Ratio Lower Upper
168 100
99 58.8 56.6 85.0



#3
Chloromethane
Concen: 0.221 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX038327.D
Acq: 17 Oct 2023 14:21

Tgt Ion: 50 Resp: 283
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

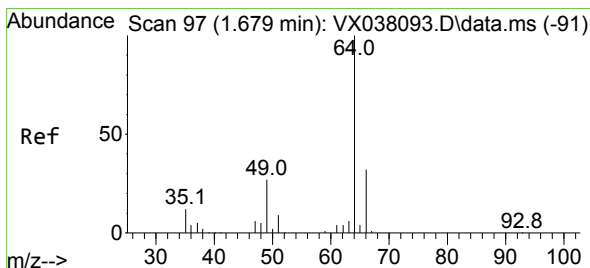
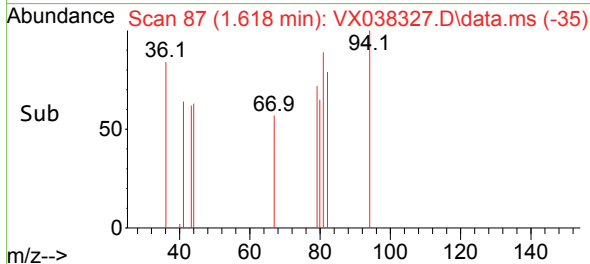
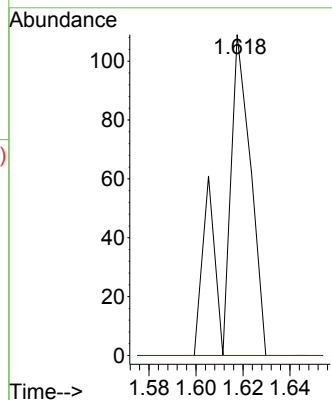
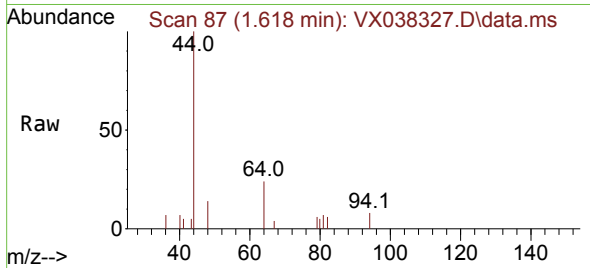




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX038327.D
Acq: 17 Oct 2023 14:21

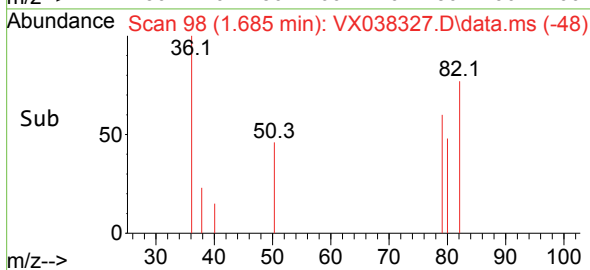
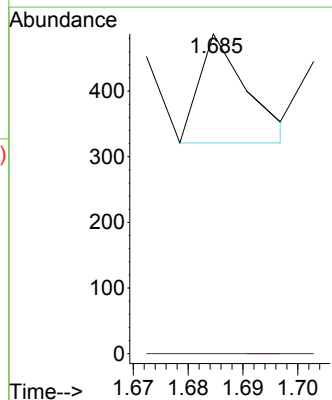
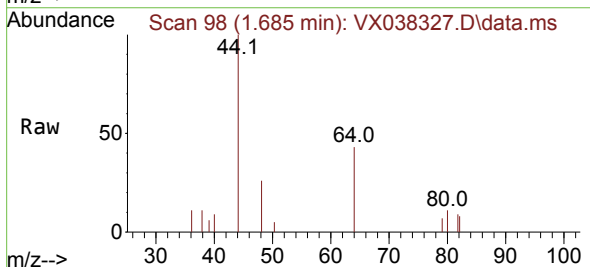
Instrument :
MSVOA_X
ClientSampleId :

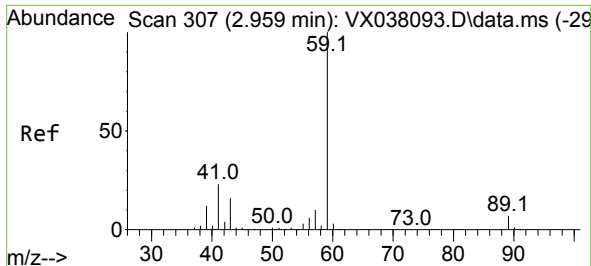
Tgt Ion: 94 Resp: 85
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX038327.D
Acq: 17 Oct 2023 14:21

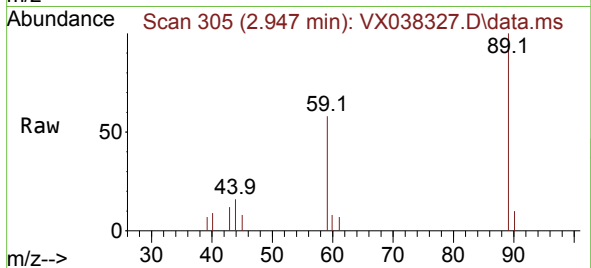
Tgt Ion: 64 Resp: 101
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



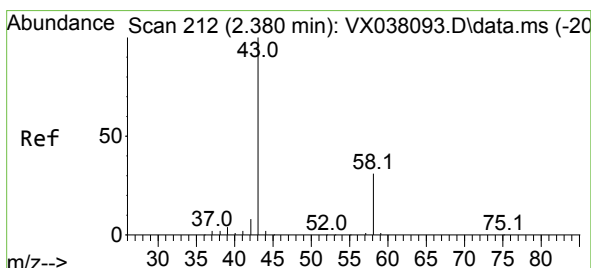
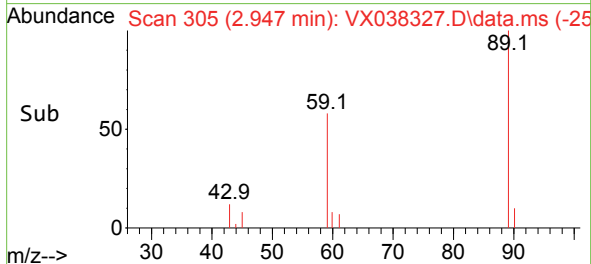
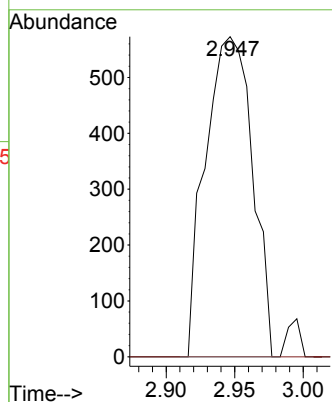


#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 30
Delta R.T. -0.012 min
Lab File: VX038327.D
Acq: 17 Oct 2023 14:21

Instrument :
MSVOA_X
ClientSampleId :

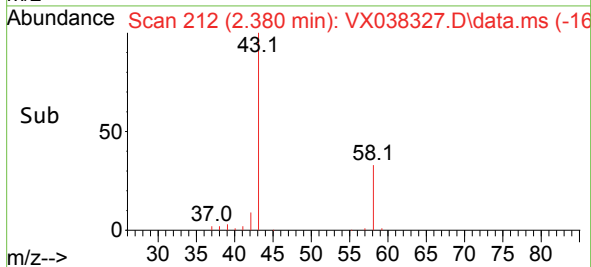
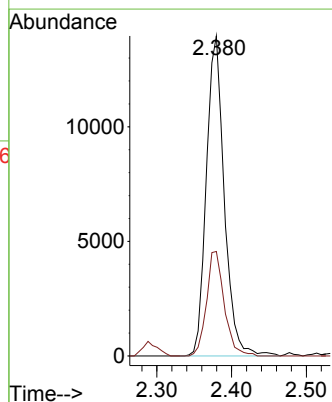
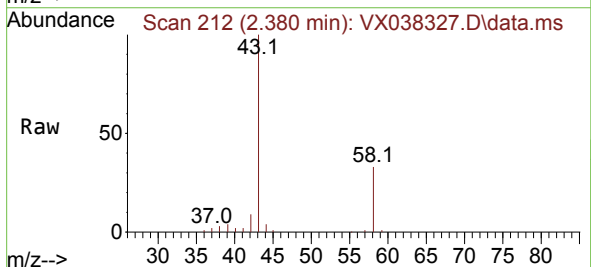


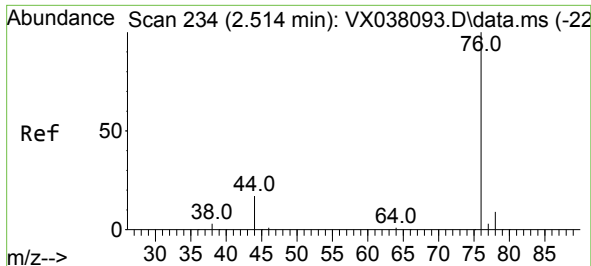
Tgt Ion: 59 Resp: 1367
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 26.629 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038327.D
Acq: 17 Oct 2023 14:21

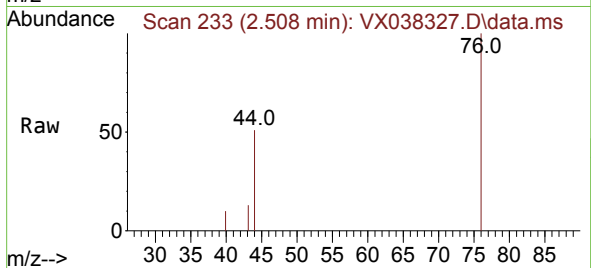
Tgt Ion: 43 Resp: 23262
Ion Ratio Lower Upper
43 100
58 32.6 21.9 32.9



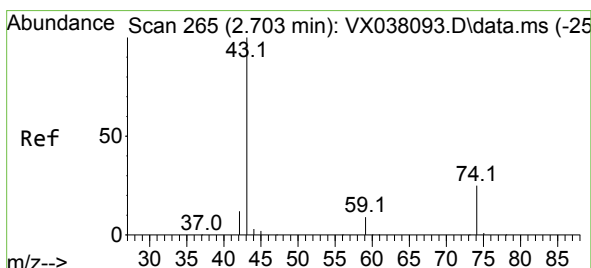
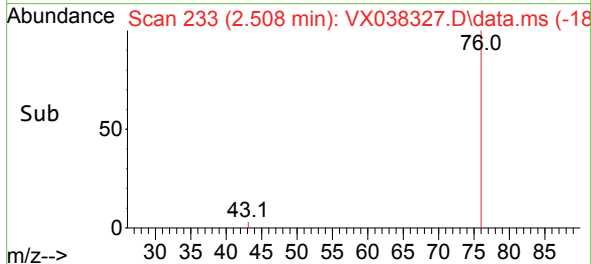
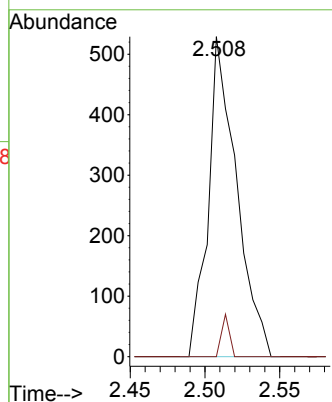


#17
Carbon Disulfide
Concen: 0.203 ug/l
RT: 2.508 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX038327.D
Acq: 17 Oct 2023 14:21

Instrument :
MSVOA_X
ClientSampleId :

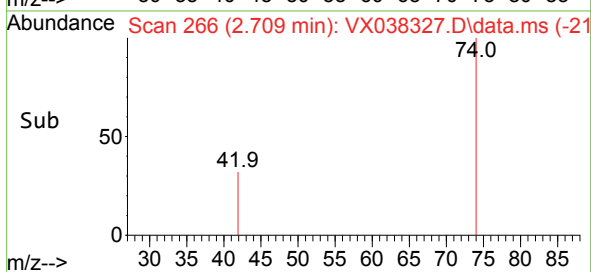
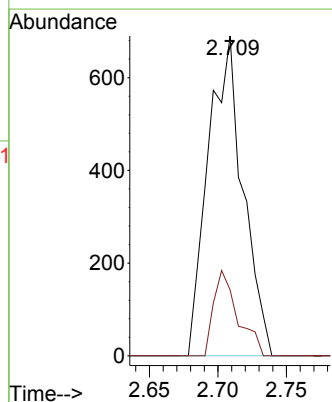
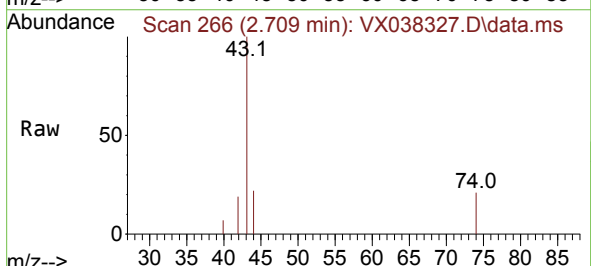


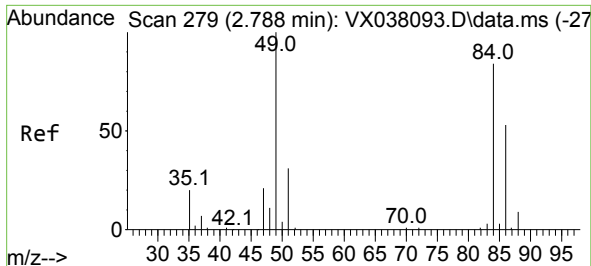
Tgt Ion: 76 Resp: 696
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 0.325 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX038327.D
Acq: 17 Oct 2023 14:21

Tgt Ion: 43 Resp: 1218
Ion Ratio Lower Upper
43 100
74 18.5 17.8 26.8





#20

Methylene Chloride

Concen: 7.473 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

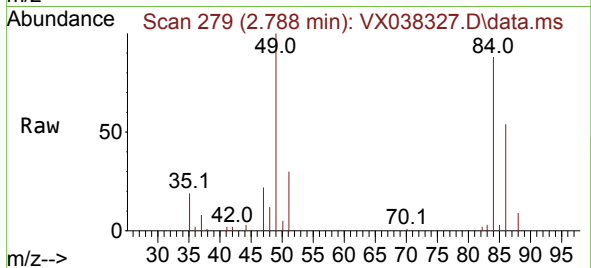
Lab File: VX038327.D

Acq: 17 Oct 2023 14:21

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 12279

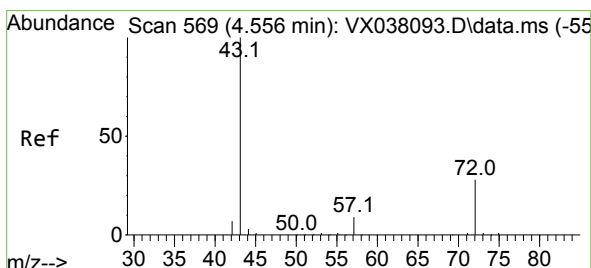
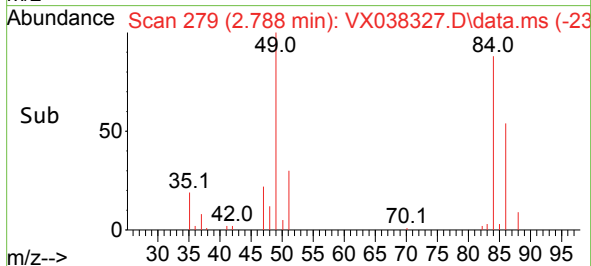
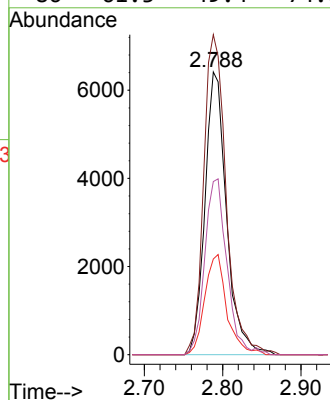
Ion Ratio Lower Upper

84 100

49 113.2 103.6 155.4

51 33.8 33.8 50.6

86 61.3 49.4 74.0



#25

2-Butanone

Concen: 2.435 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.024 min

Lab File: VX038327.D

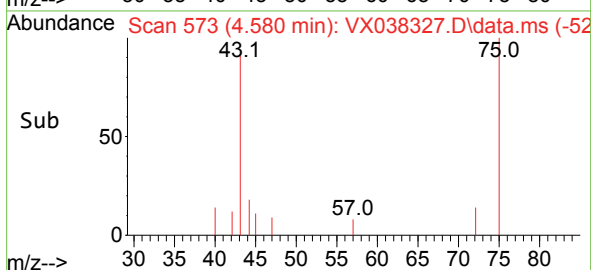
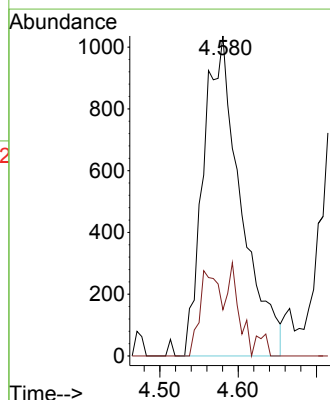
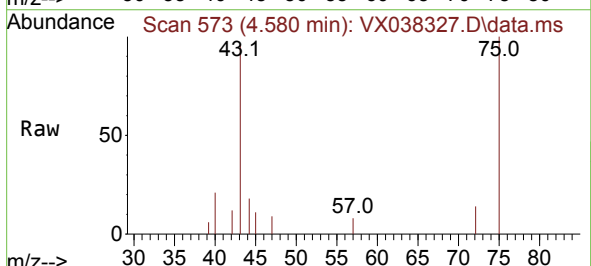
Acq: 17 Oct 2023 14:21

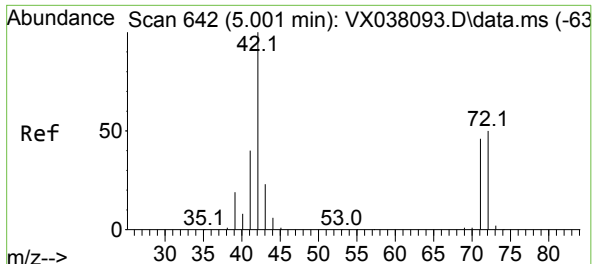
Tgt Ion: 43 Resp: 3432

Ion Ratio Lower Upper

43 100

72 14.5 19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.209 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.006 min

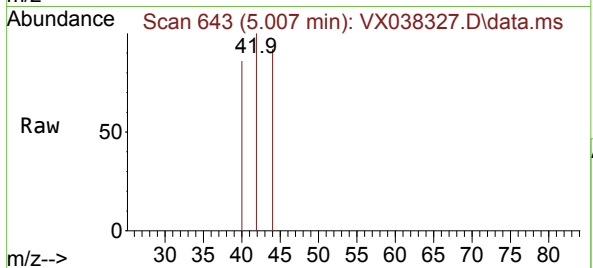
Lab File: VX038327.D

Acq: 17 Oct 2023 14:21

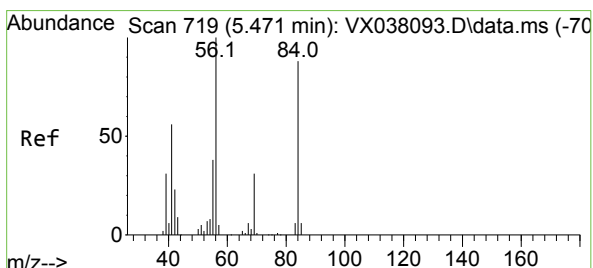
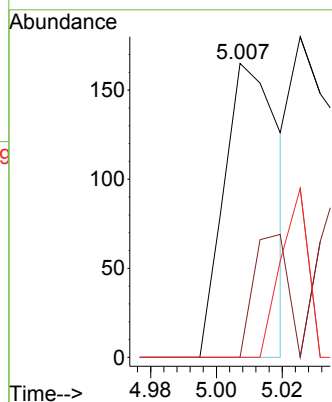
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	192
Ion	Ratio	Lower	Upper
42	100		
72	25.5	34.2	51.4#
71	28.6	32.2	48.2#



#31

Cyclohexane

Concen: 1.482 ug/l

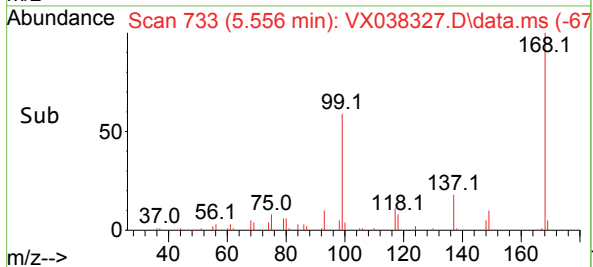
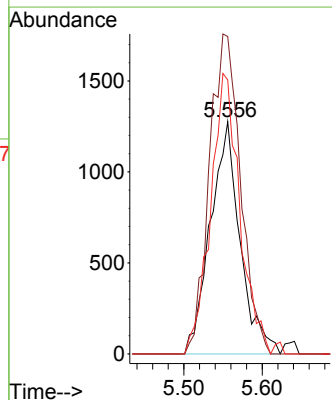
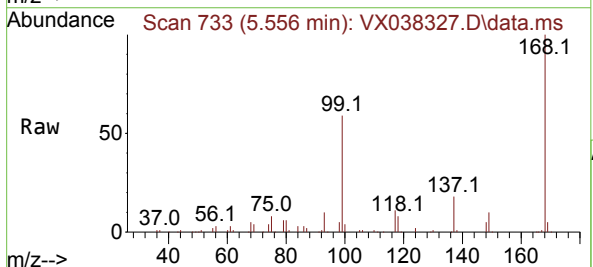
RT: 5.556 min Scan# 733

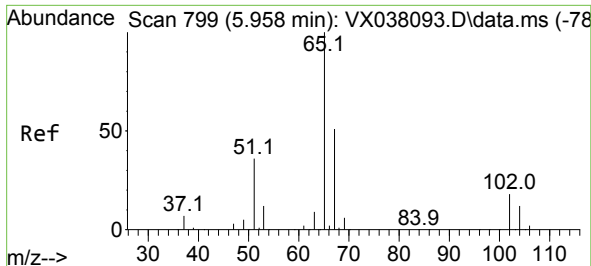
Delta R.T. 0.085 min

Lab File: VX038327.D

Acq: 17 Oct 2023 14:21

Tgt Ion:	56	Resp:	3360
Ion	Ratio	Lower	Upper
56	100		
69	136.7	23.4	35.2#
84	118.0	65.9	98.9#

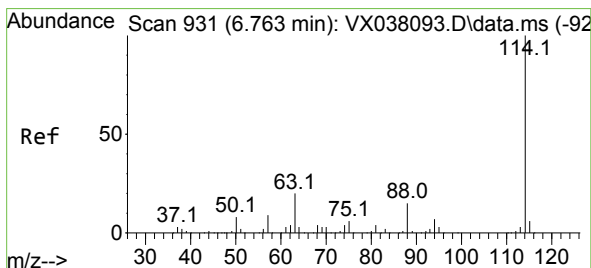
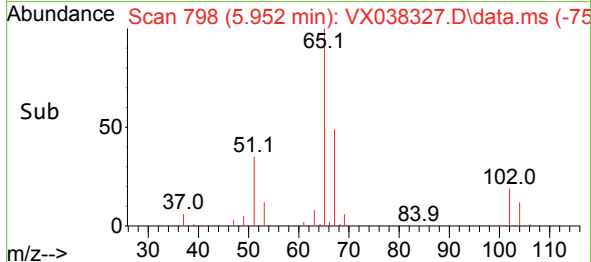
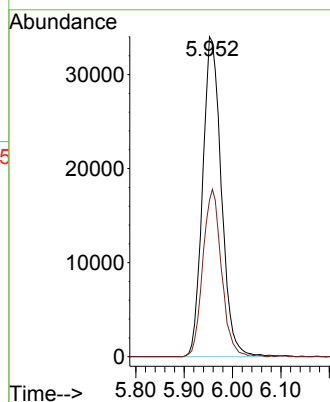
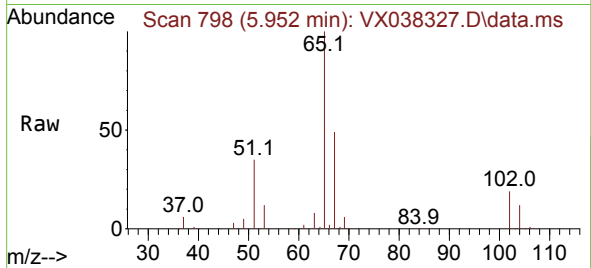




#33
1,2-Dichloroethane-d4
Concen: 43.718 ug/l
RT: 5.952 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX038327.D
Acq: 17 Oct 2023 14:21

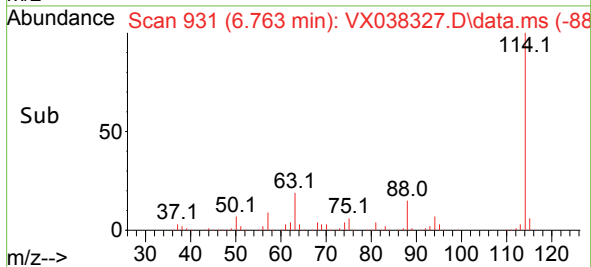
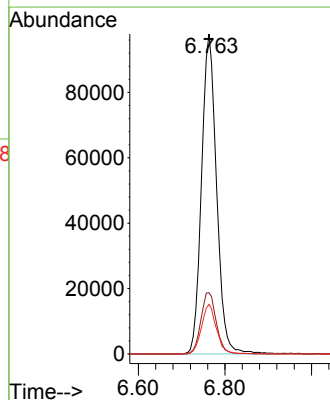
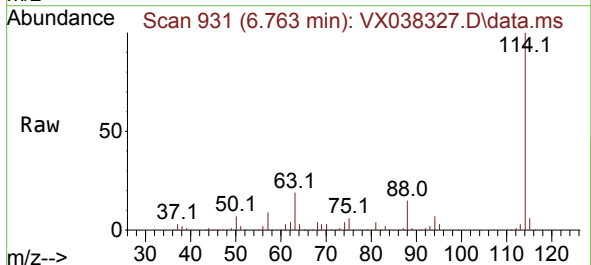
Instrument :
MSVOA_X
ClientSampleId :

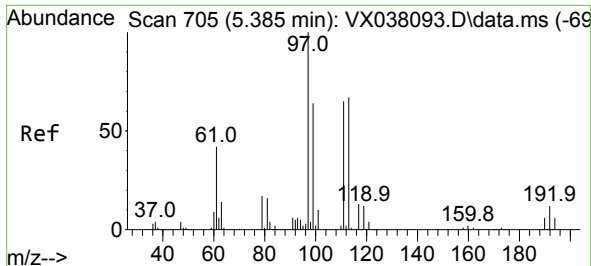
Tgt Ion: 65 Resp: 91508
Ion Ratio Lower Upper
65 100
67 51.8 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX038327.D
Acq: 17 Oct 2023 14:21

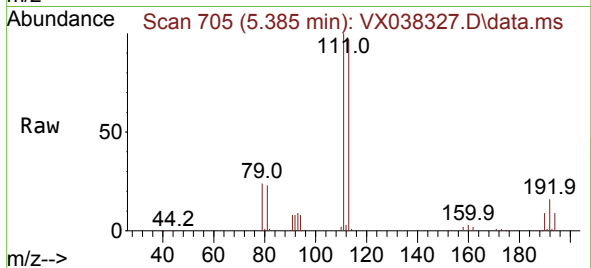
Tgt Ion:114 Resp: 235579
Ion Ratio Lower Upper
114 100
63 19.1 0.0 45.0
88 15.5 0.0 36.6



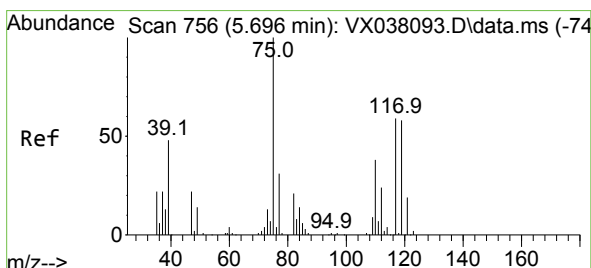
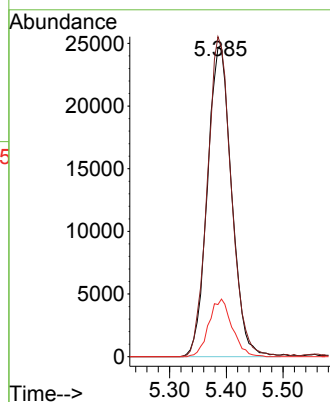
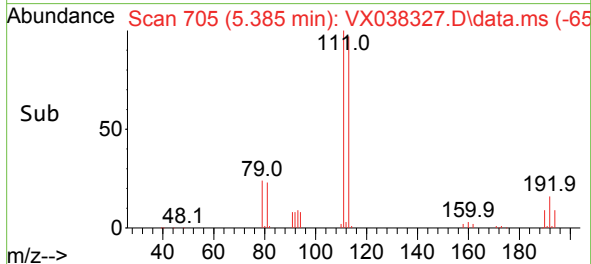


#35
Dibromofluoromethane
Concen: 43.273 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038327.D
Acq: 17 Oct 2023 14:21

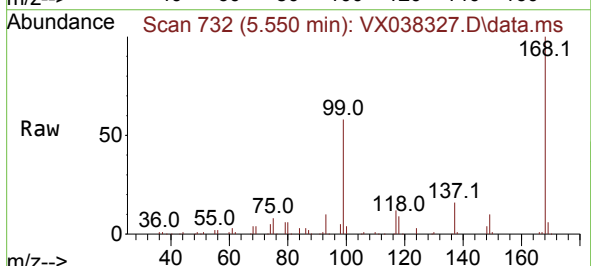
Instrument :
MSVOA_X
ClientSampleId :



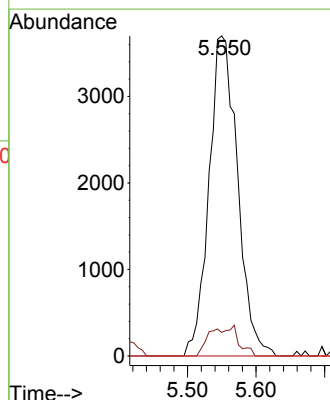
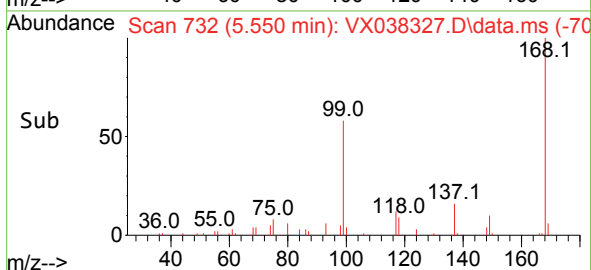
Tgt Ion:113 Resp: 73455
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 17.8 13.3 19.9

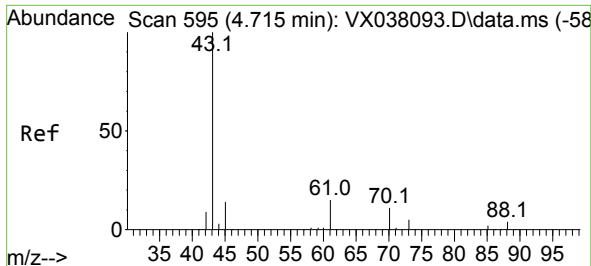


#36
1,1-Dichloropropene
Concen: 4.574 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038327.D
Acq: 17 Oct 2023 14:21



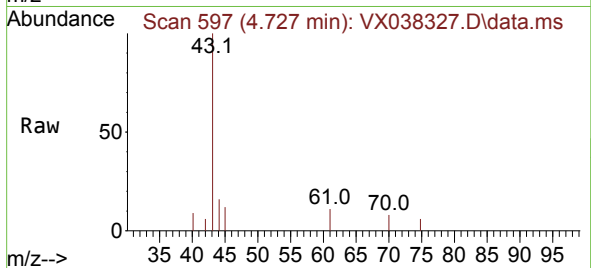
Tgt Ion: 75 Resp: 10708
Ion Ratio Lower Upper
75 100
110 4.8 17.0 50.9#
77 0.0 24.7 37.1#



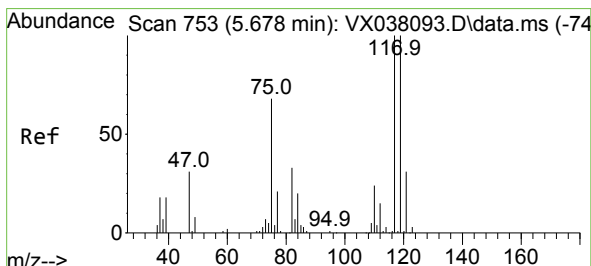
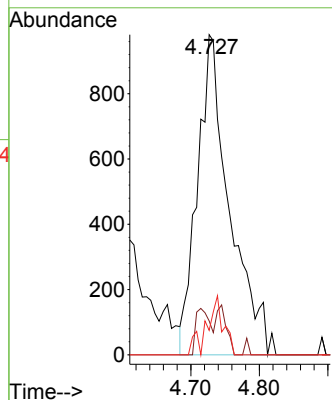
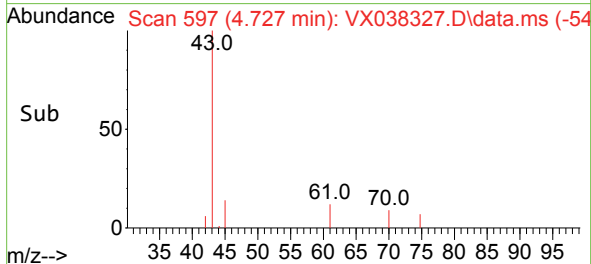


#37
Ethyl Acetate
Concen: 1.153 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.012 min
Lab File: VX038327.D
Acq: 17 Oct 2023 14:21

Instrument :
MSVOA_X
ClientSampleId :

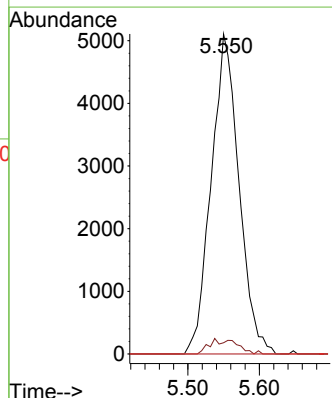
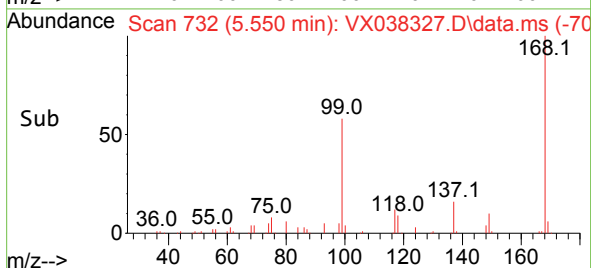
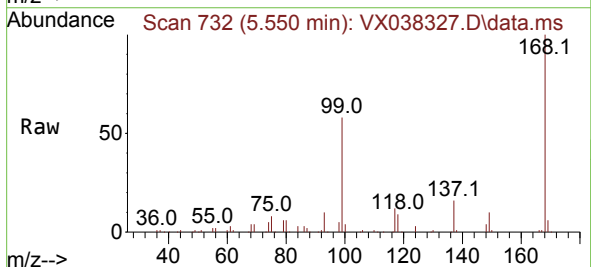


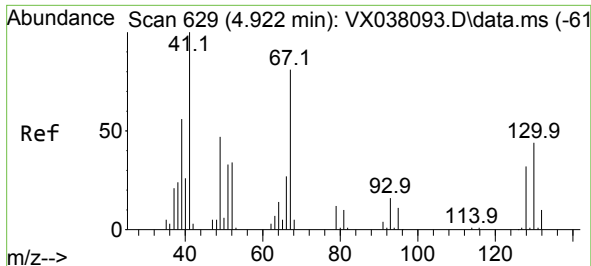
Tgt Ion: 43 Resp: 3206
Ion Ratio Lower Upper
43 100
61 4.9 10.6 16.0#
70 8.2 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 5.980 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX038327.D
Acq: 17 Oct 2023 14:21

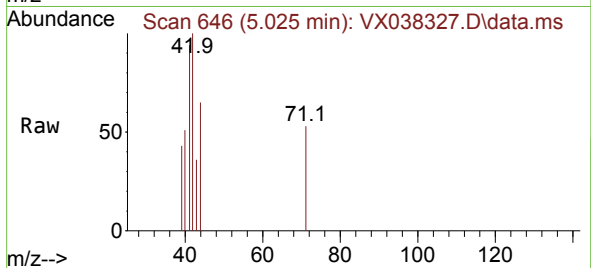
Tgt Ion: 117 Resp: 13771
Ion Ratio Lower Upper
117 100
119 3.5 78.2 117.2#
121 0.0 24.4 36.6#





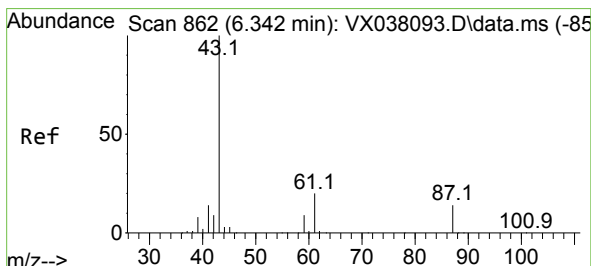
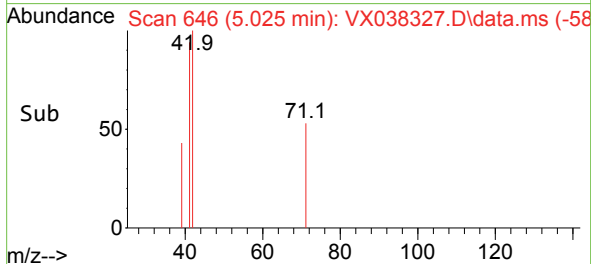
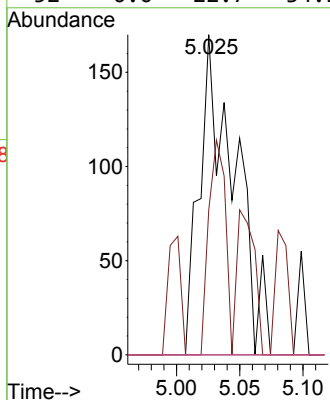
#41
Methacrylonitrile
Concen: 0.239 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.103 min
Lab File: VX038327.D
Acq: 17 Oct 2023 14:21

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 41 Resp: 330

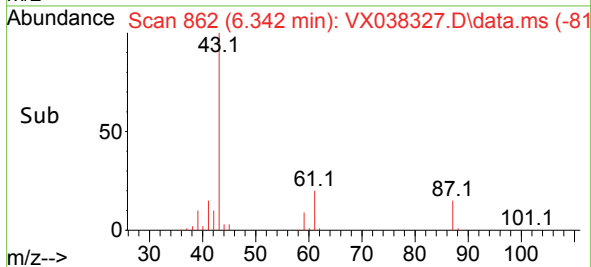
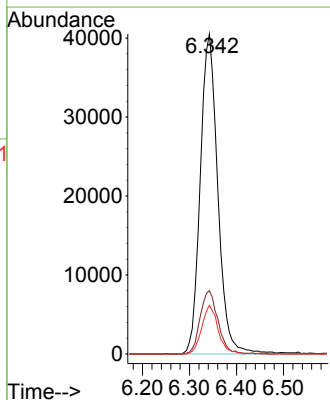
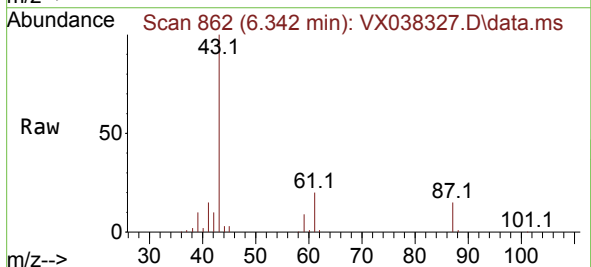
Ion	Ratio	Lower	Upper
41	100		
39	31.8	45.2	67.8#
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#

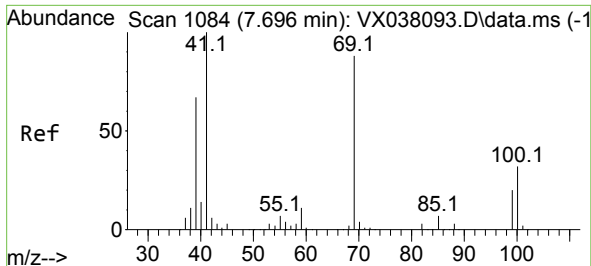


#43
Isopropyl Acetate
Concen: 25.235 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX038327.D
Acq: 17 Oct 2023 14:21

Tgt Ion: 43 Resp: 104729

Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.2	22.8
87	14.1	9.8	14.6

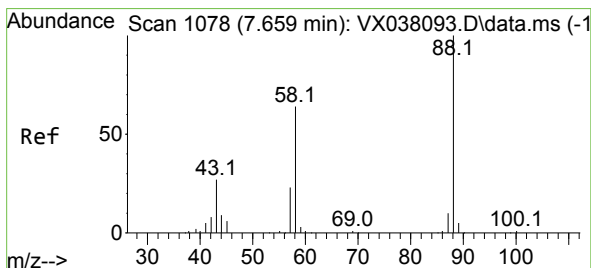
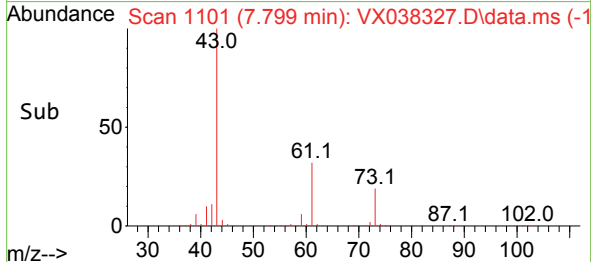
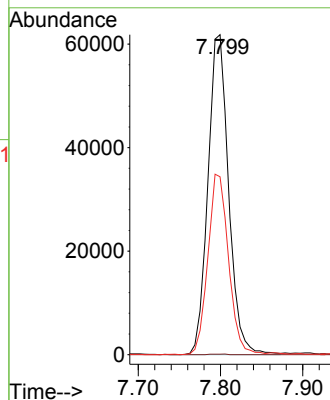
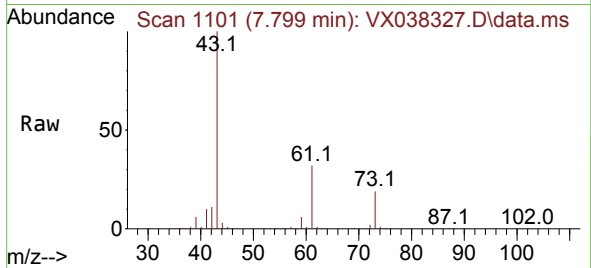




#48
Methyl methacrylate
Concen: 54.639 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX038327.D
Acq: 17 Oct 2023 14:21

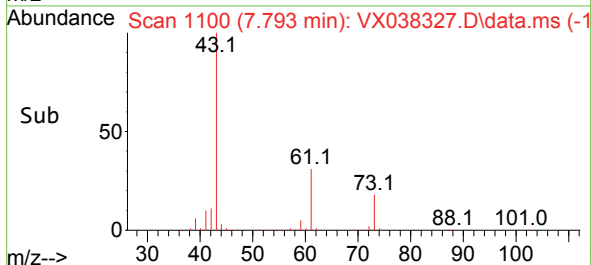
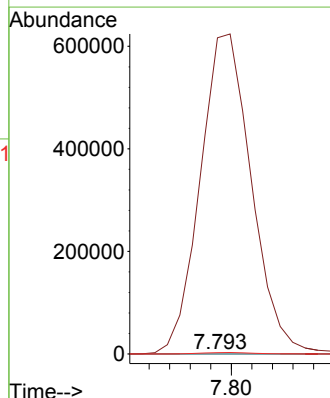
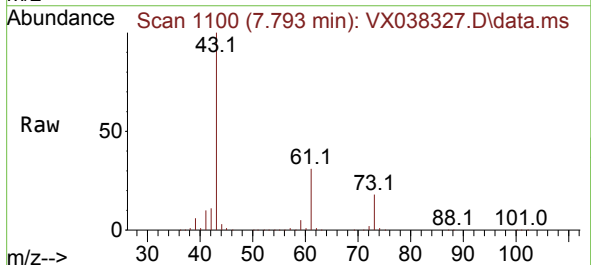
Instrument :
MSVOA_X
ClientSampleId :

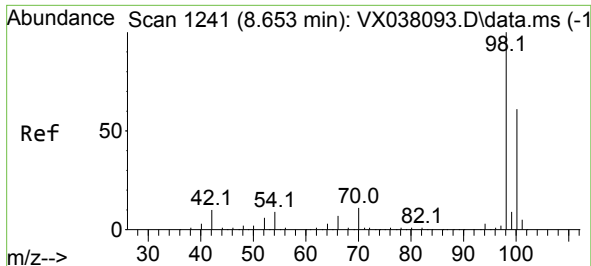
Tgt Ion: 41 Resp: 108251
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 56.2 47.7 71.5



#49
1,4-Dioxane
Concen: 3.154 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX038327.D
Acq: 17 Oct 2023 14:21

Tgt Ion: 88 Resp: 154
Ion Ratio Lower Upper
88 100
43 710037.0 0.0 0.0#
58 3220.1 60.1 90.1#

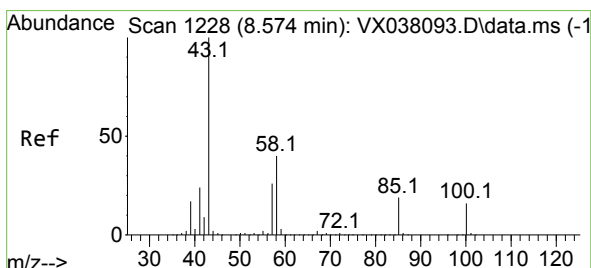
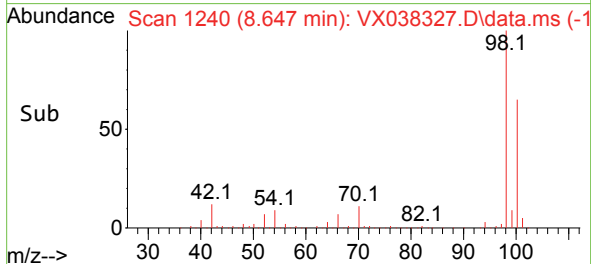
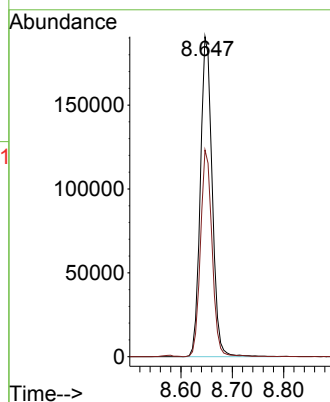
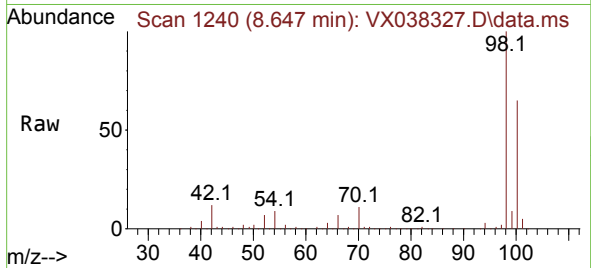




#50
Toluene-d8
Concen: 46.871 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038327.D
Acq: 17 Oct 2023 14:21

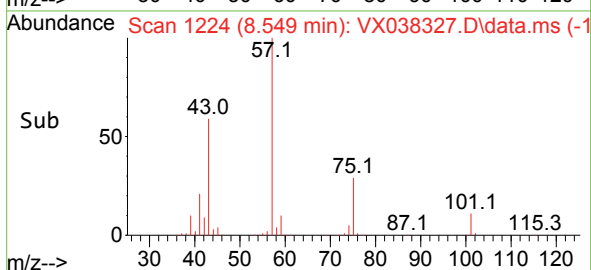
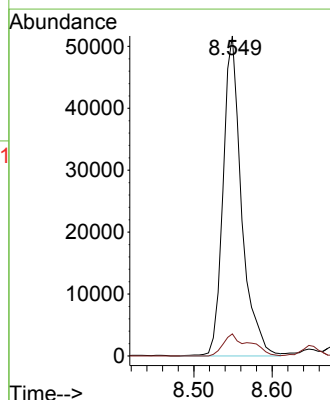
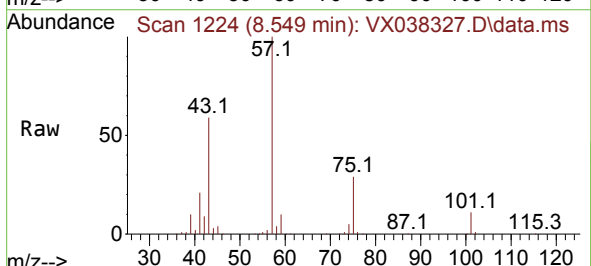
Instrument :
MSVOA_X
ClientSampleId :

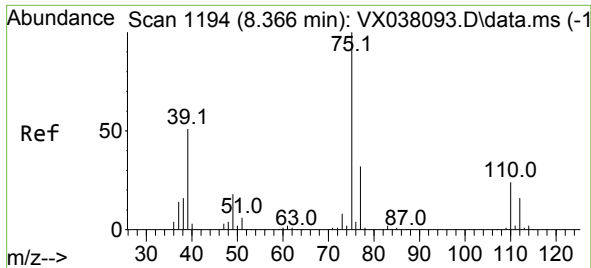
Tgt Ion: 98 Resp: 304033
Ion Ratio Lower Upper
98 100
100 63.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 29.669 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX038327.D
Acq: 17 Oct 2023 14:21

Tgt Ion: 43 Resp: 84931
Ion Ratio Lower Upper
43 100
58 9.8 30.4 45.6#

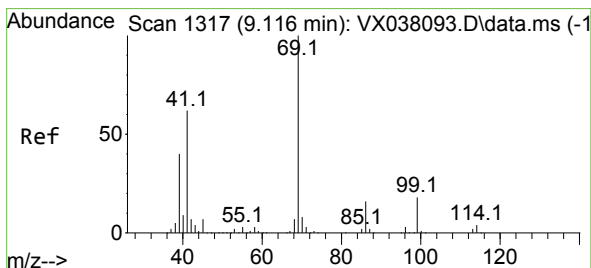
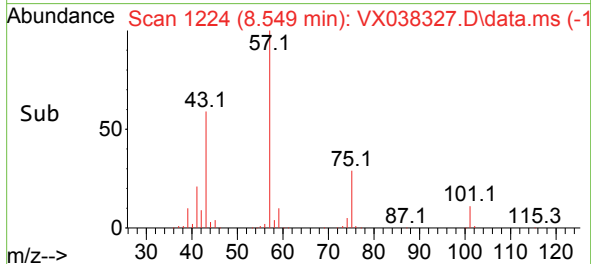
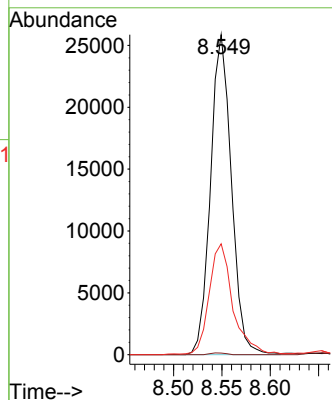
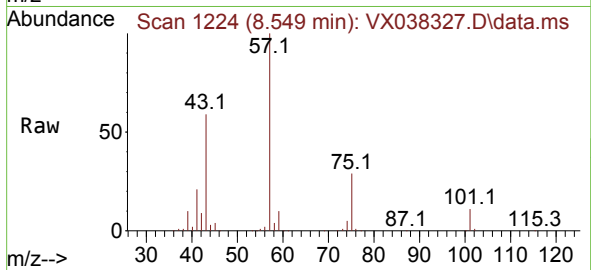




#54
 cis-1,3-Dichloropropene
 Concen: 14.749 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX038327.D
 Acq: 17 Oct 2023 14:21

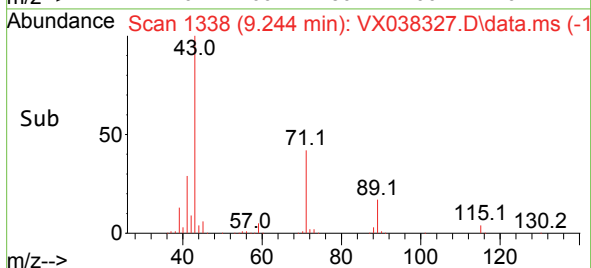
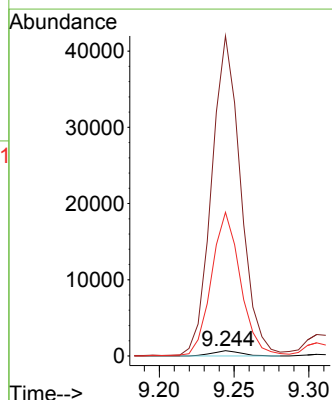
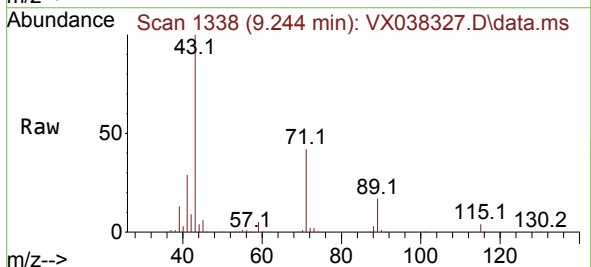
Instrument :
 MSVOA_X
 ClientSampleId :

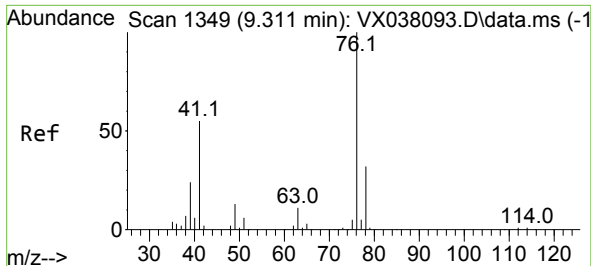
Tgt Ion: 75 Resp: 38888
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 34.5 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.322 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX038327.D
 Acq: 17 Oct 2023 14:21

Tgt Ion: 69 Resp: 900
 Ion Ratio Lower Upper
 69 100
 41 6274.4 56.8 85.2#
 39 2862.1 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.962 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX038327.D

Acq: 17 Oct 2023 14:21

Instrument :

MSVOA_X

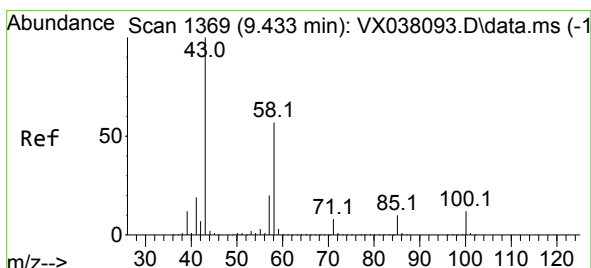
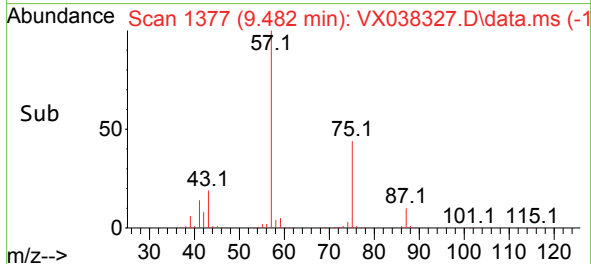
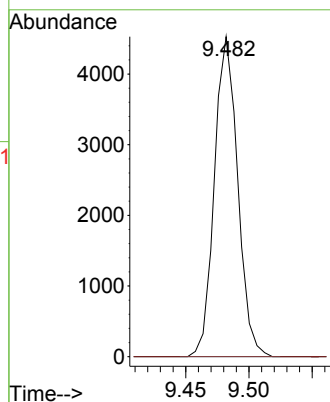
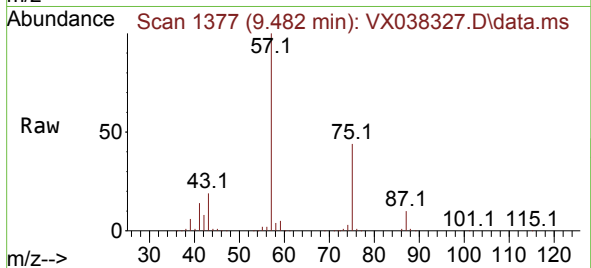
ClientSampleId :

Tgt Ion: 76 Resp: 5789

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 32.070 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX038327.D

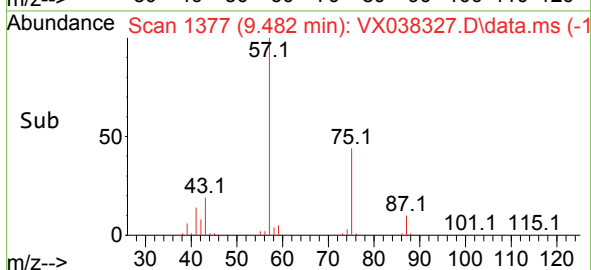
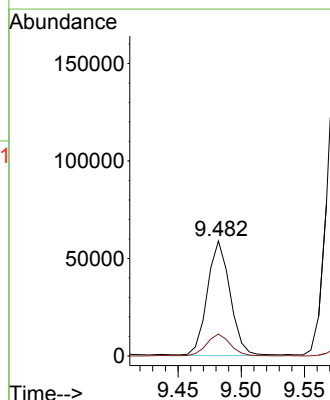
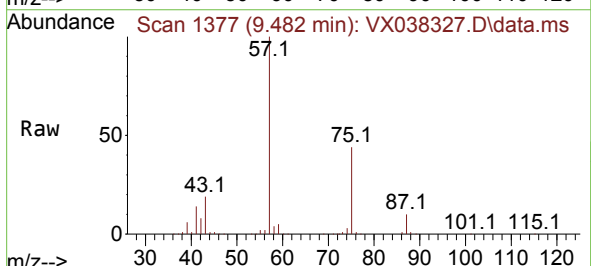
Acq: 17 Oct 2023 14:21

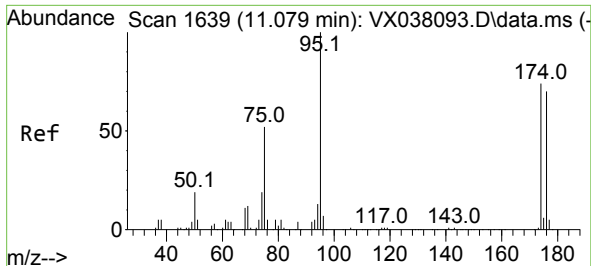
Tgt Ion: 43 Resp: 73802

Ion Ratio Lower Upper

43 100

58 20.1 26.2 78.5#

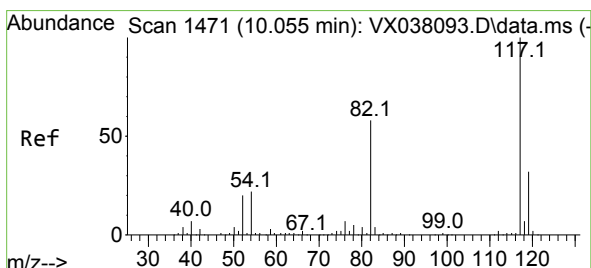
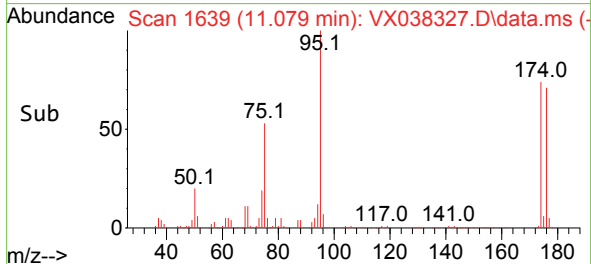
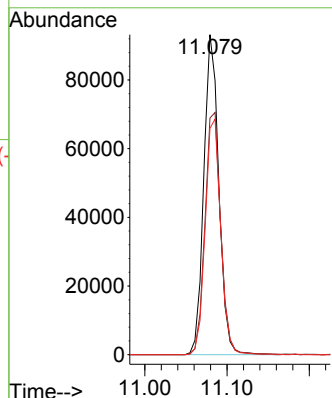
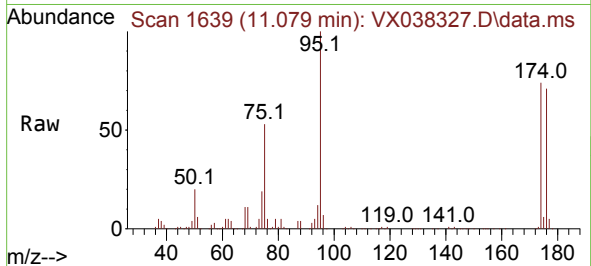




#62
4-Bromofluorobenzene
Concen: 48.071 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038327.D
Acq: 17 Oct 2023 14:21

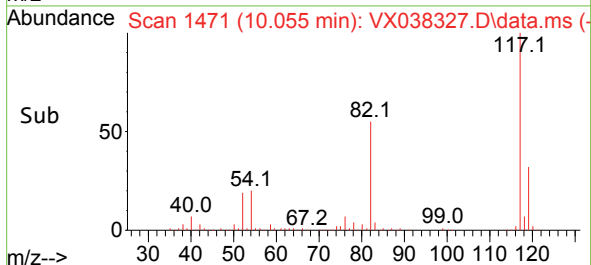
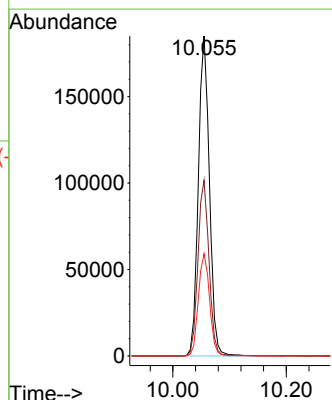
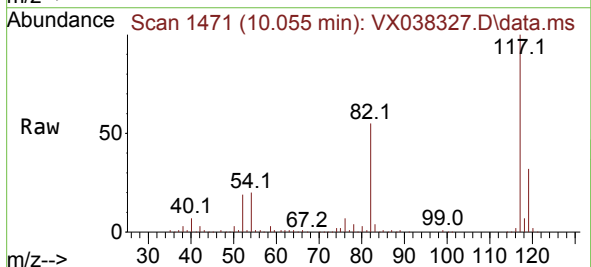
Instrument :
MSVOA_X
ClientSampleId :

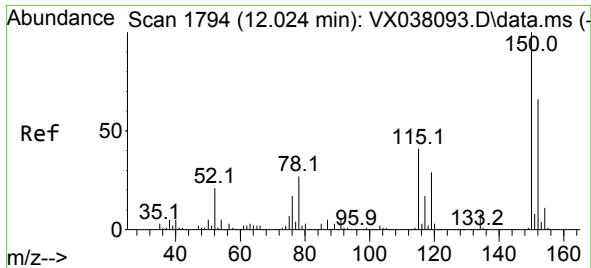
Tgt Ion: 95 Resp: 118212
Ion Ratio Lower Upper
95 100
174 79.6 0.0 135.6
176 76.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038327.D
Acq: 17 Oct 2023 14:21

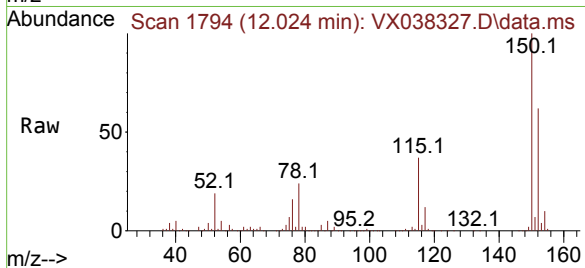
Tgt Ion: 117 Resp: 250402
Ion Ratio Lower Upper
117 100
82 54.9 46.2 69.4
119 32.0 25.5 38.3



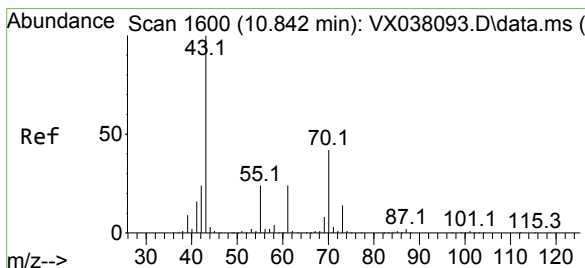
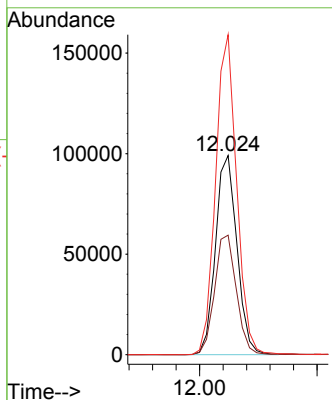
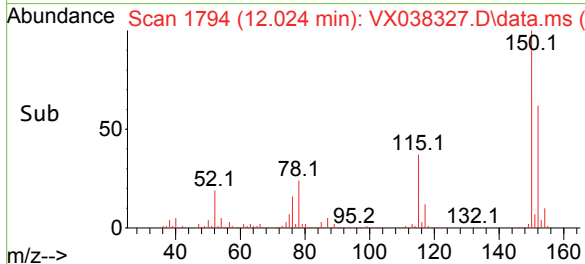


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX038327.D
 Acq: 17 Oct 2023 14:21

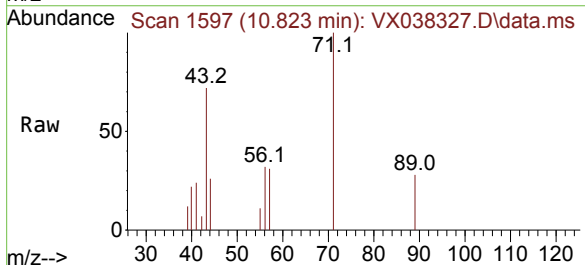
Instrument :
 MSVOA_X
 ClientSampleId :



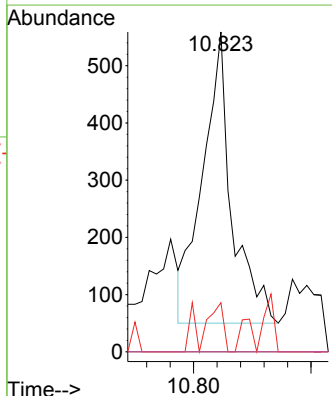
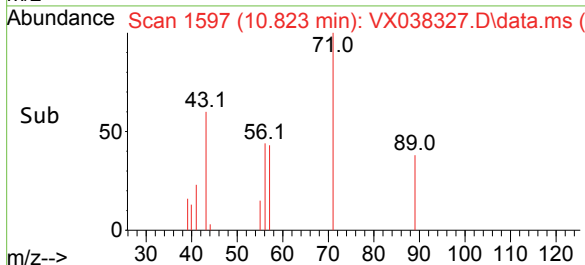
Tgt Ion:152 Resp: 125684
 Ion Ratio Lower Upper
 152 100
 115 61.2 43.3 129.9
 150 158.1 0.0 345.0

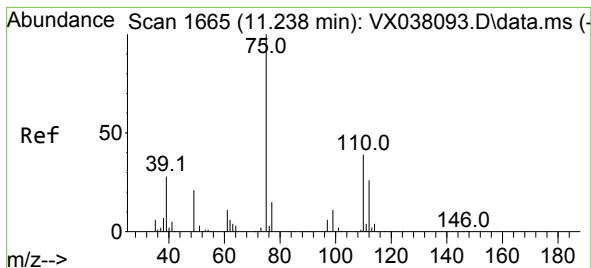


#74
 N-ethyl acetate
 Concen: 0.244 ug/l
 RT: 10.823 min Scan# 1597
 Delta R.T. -0.019 min
 Lab File: VX038327.D
 Acq: 17 Oct 2023 14:21



Tgt Ion: 43 Resp: 880
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.9 49.3#
 55 8.8 19.3 28.9#
 61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 22.033 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX038327.D

Acq: 17 Oct 2023 14:21

Instrument :

MSVOA_X

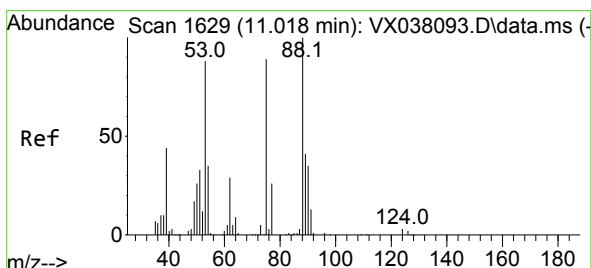
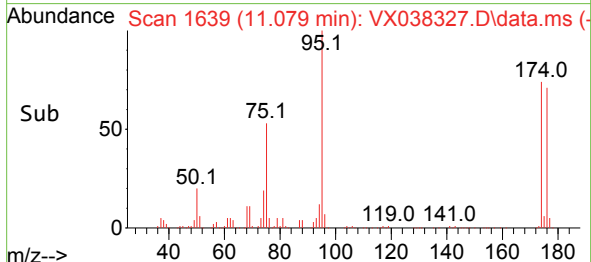
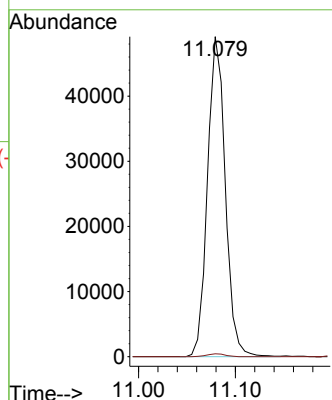
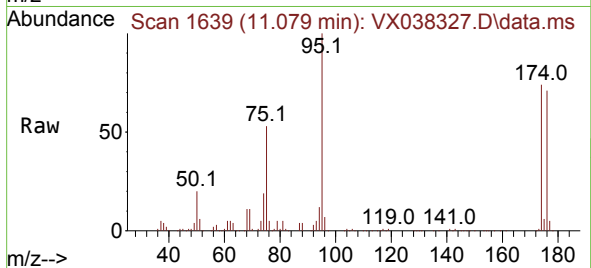
ClientSampleId :

Tgt Ion: 75 Resp: 62955

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.179 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038327.D

Acq: 17 Oct 2023 14:21

Tgt Ion: 75 Resp: 62955

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

