

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111023\
 Data File : VX038740.D
 Acq On : 10 Nov 2023 19:38
 Operator : JC/MD
 Sample : 05351-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 11 01:59:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

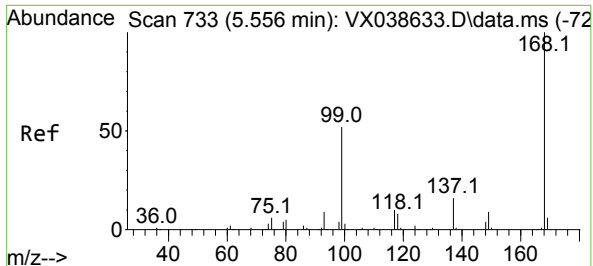
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	260763	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	436221	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	462575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	258914	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	153692	47.342	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.680%
35) Dibromofluoromethane	5.391	113	143665	45.727	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.460%
50) Toluene-d8	8.647	98	532311	47.348	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.700%
62) 4-Bromofluorobenzene	11.079	95	223776	51.338	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.680%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.946	59	999	1.505	ug/l	# 78
16) Acetone	2.379	43	45661	33.397	ug/l	# 88
18) Methyl Acetate	2.709	43	2170	0.373	ug/l	98
20) Methylene Chloride	2.788	84	7697	2.793	ug/l	# 82
25) 2-Butanone	4.568	43	3097	1.564	ug/l	94
29) Tetrahydrofuran	5.025	42	290	0.235	ug/l	# 25
31) Cyclohexane	5.550	56	4125	1.148	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	16806	4.306	ug/l	# 51
37) Ethyl Acetate	4.739	43	4351	1.092	ug/l	100
38) Carbon Tetrachloride	5.556	117	24099	5.524	ug/l	# 15
43) Isopropyl Acetate	6.336	43	147401	24.062	ug/l	# 91
44) Trichloroethene	7.129	130	6481	1.853	ug/l	87
48) Methyl methacrylate	7.799	41	120951	40.970	ug/l	# 48
49) 1,4-Dioxane	7.793	88	229	3.407	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	114396	28.662	ug/l	# 53
54) cis-1,3-Dichloropropene	8.549	75	62214	13.544	ug/l	# 54
57) 1,3-Dichloropropane	9.482	76	6837	1.405	ug/l	# 42
59) 2-Hexanone	9.482	43	78959	24.450	ug/l	# 56
76) 1,2,3-Trichloropropane	11.079	75	106234	20.717	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	106234	63.071	ug/l	# 5

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

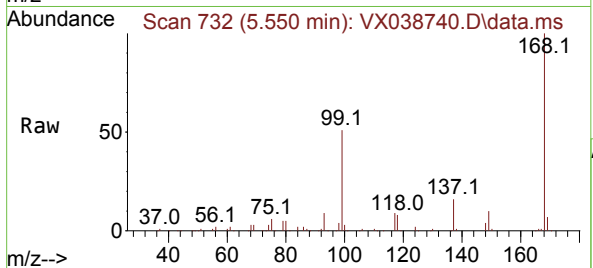
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 08 03:19:07 2023
Response via : Initial Calibration



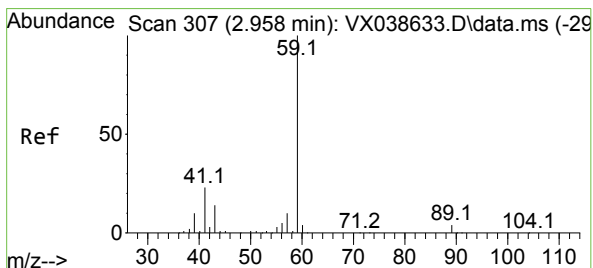
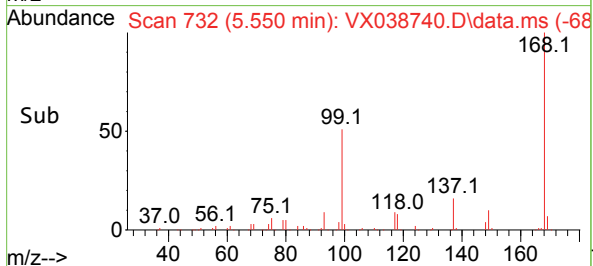
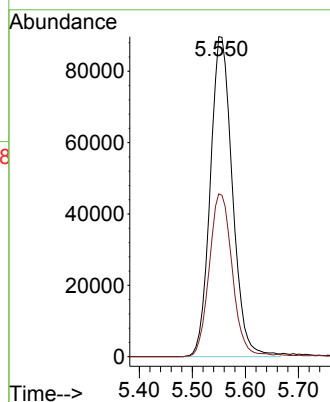


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038740.D
Acq: 10 Nov 2023 19:38

Instrument :
MSVOA_X
ClientSampleId :

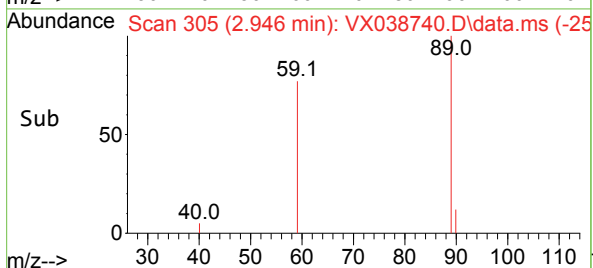
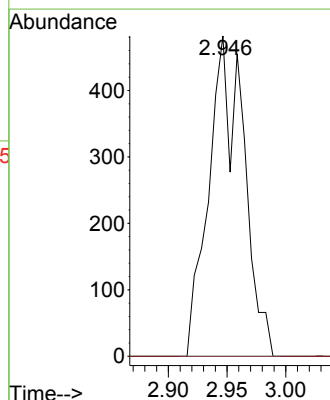
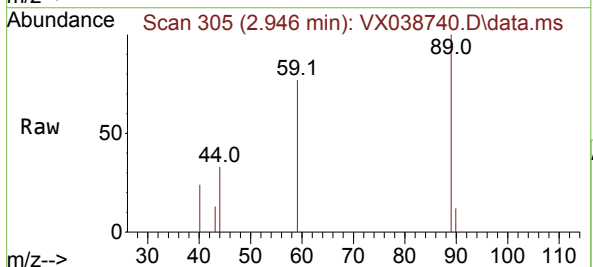


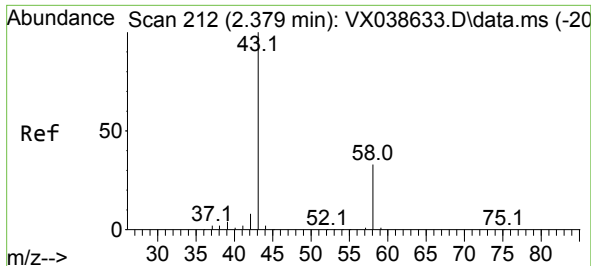
Tgt Ion:168 Resp: 260763
Ion Ratio Lower Upper
168 100
99 50.9 56.6 85.0#



#11
Tert butyl alcohol
Concen: 1.505 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX038740.D
Acq: 10 Nov 2023 19:38

Tgt Ion: 59 Resp: 999
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

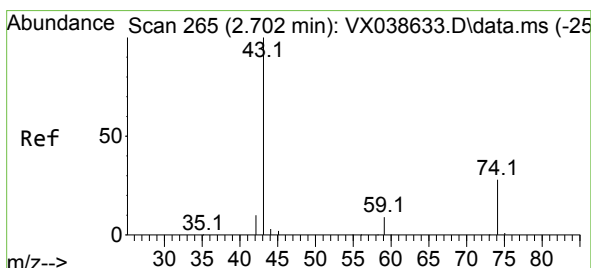
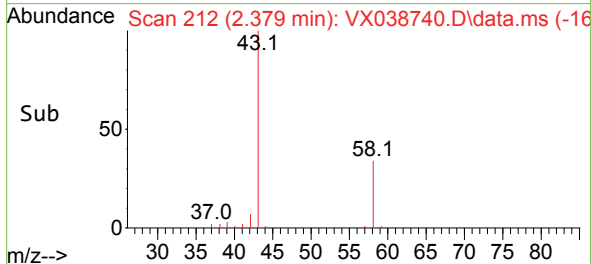
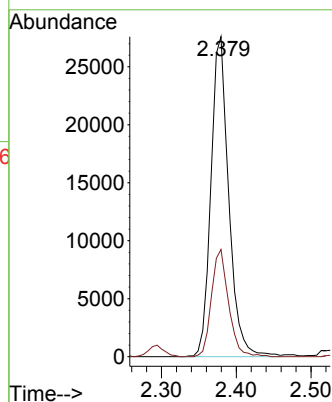
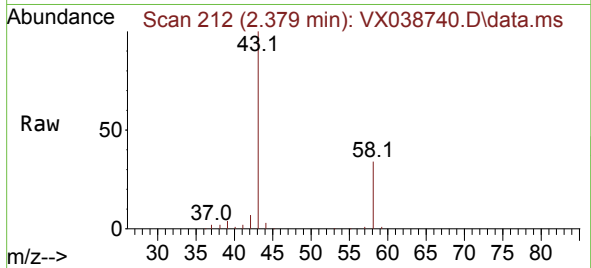




#16
Acetone
Concen: 33.397 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX038740.D
Acq: 10 Nov 2023 19:38

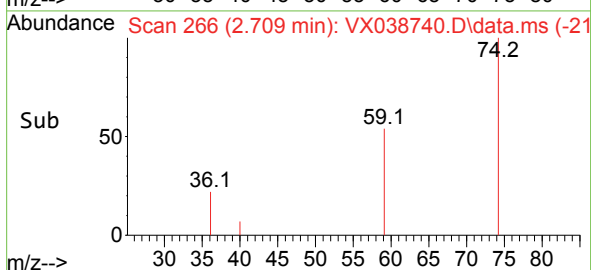
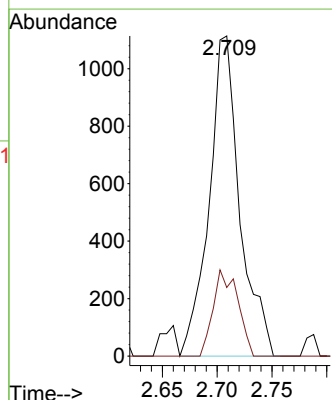
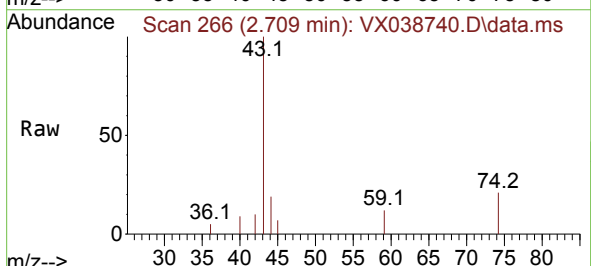
Instrument :
MSVOA_X
ClientSampleId :

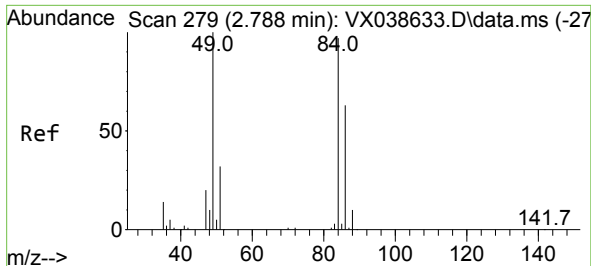
Tgt Ion: 43 Resp: 45661
Ion Ratio Lower Upper
43 100
58 33.5 21.9 32.9#



#18
Methyl Acetate
Concen: 0.373 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX038740.D
Acq: 10 Nov 2023 19:38

Tgt Ion: 43 Resp: 2170
Ion Ratio Lower Upper
43 100
74 21.6 17.8 26.8





#20

Methylene Chloride

Concen: 2.793 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

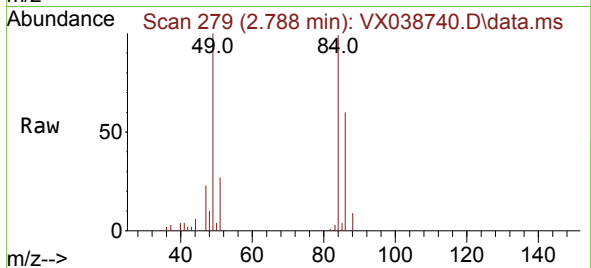
Lab File: VX038740.D

Acq: 10 Nov 2023 19:38

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 7697

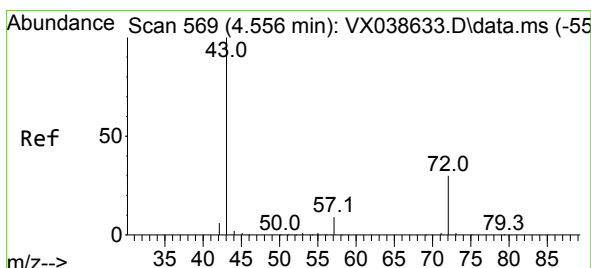
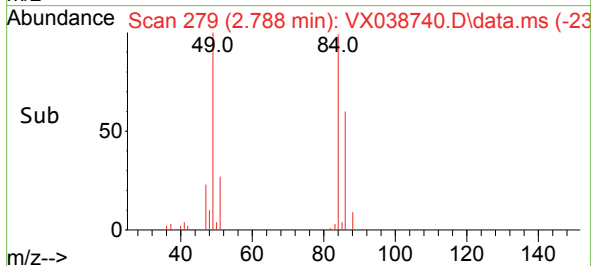
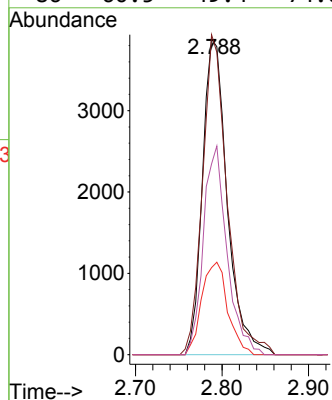
Ion Ratio Lower Upper

84 100

49 101.4 103.6 155.4#

51 27.6 33.8 50.6#

86 60.5 49.4 74.0



#25

2-Butanone

Concen: 1.564 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.012 min

Lab File: VX038740.D

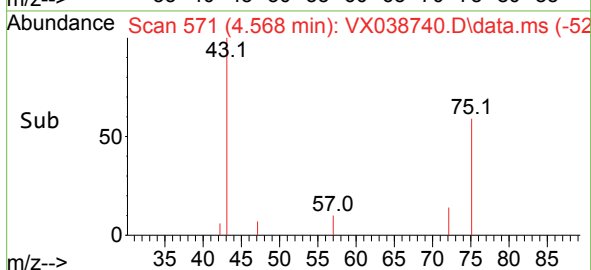
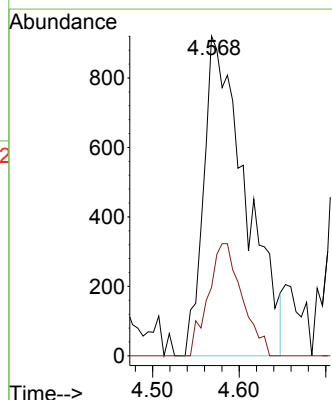
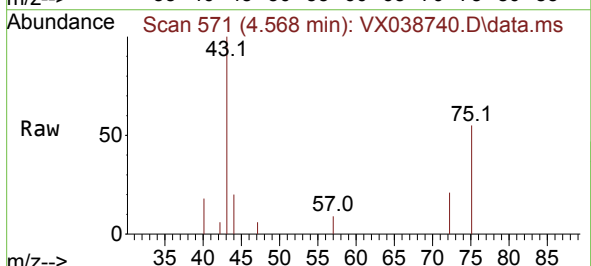
Acq: 10 Nov 2023 19:38

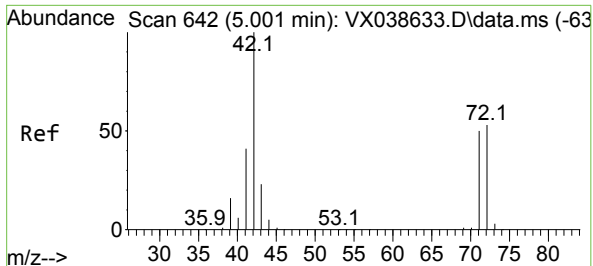
Tgt Ion: 43 Resp: 3097

Ion Ratio Lower Upper

43 100

72 21.4 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.235 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.025 min

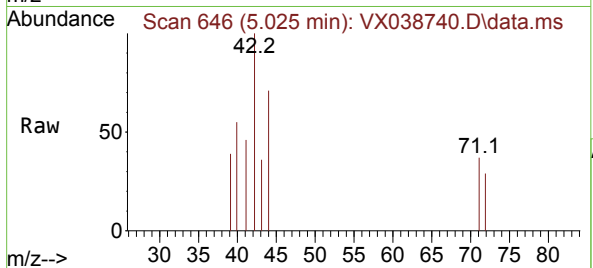
Lab File: VX038740.D

Acq: 10 Nov 2023 19:38

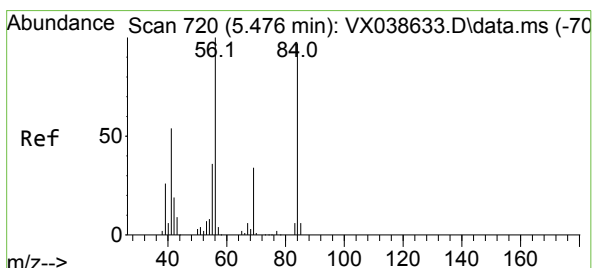
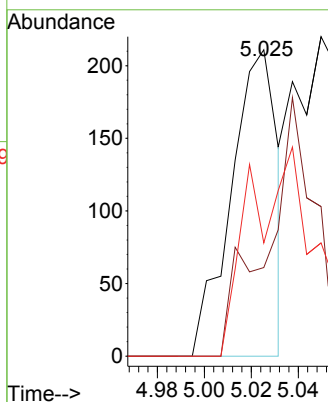
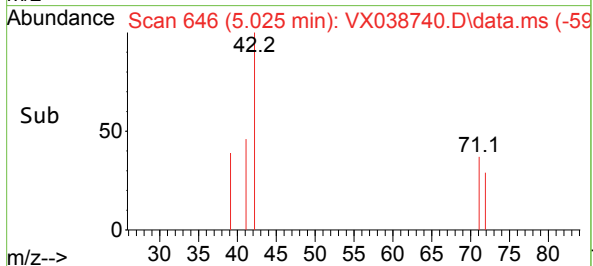
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	290
Ion Ratio	Lower	Upper	
42	100		
72	84.5	34.2	51.4#
71	92.4	32.2	48.2#



#31

Cyclohexane

Concen: 1.148 ug/l

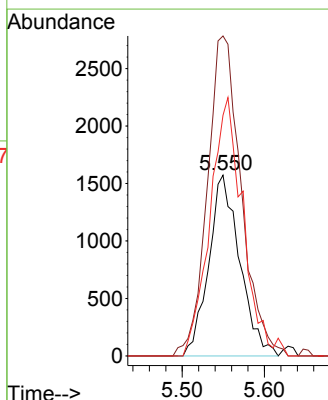
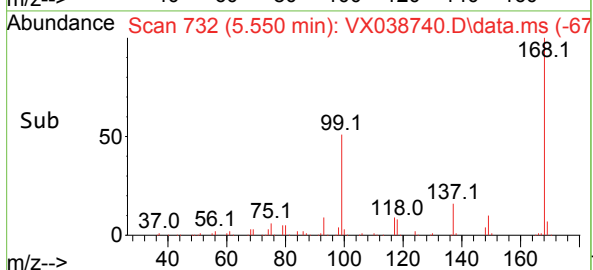
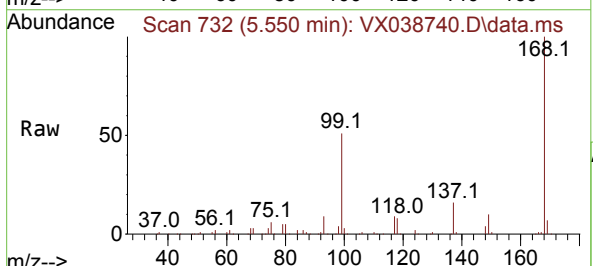
RT: 5.550 min Scan# 732

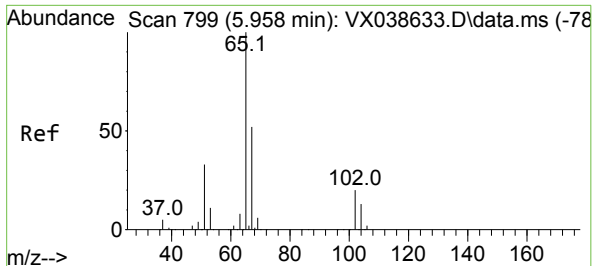
Delta R.T. 0.073 min

Lab File: VX038740.D

Acq: 10 Nov 2023 19:38

Tgt Ion:	56	Resp:	4125
Ion Ratio	Lower	Upper	
56	100		
69	172.4	23.4	35.2#
84	133.1	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 47.342 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038740.D

Acq: 10 Nov 2023 19:38

Instrument :

MSVOA_X

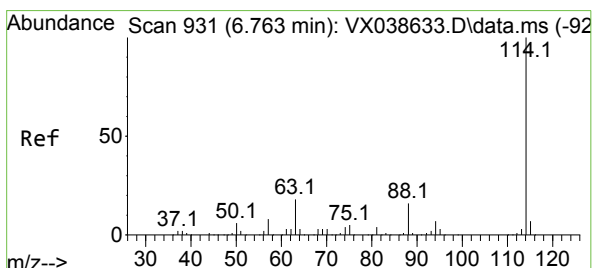
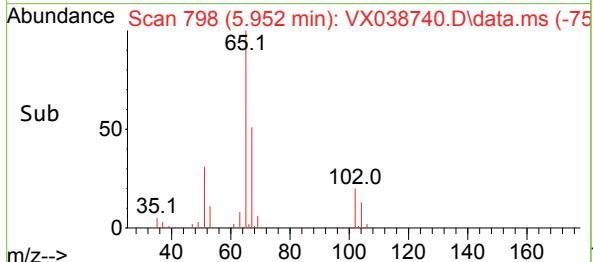
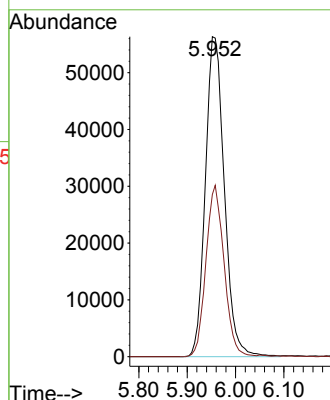
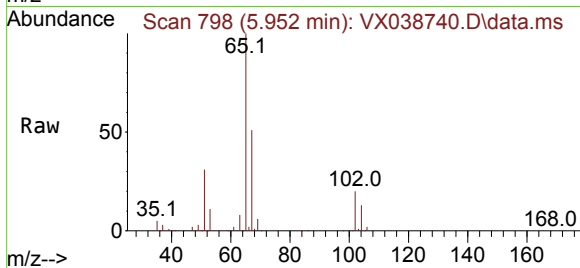
ClientSampleId :

Tgt Ion: 65 Resp: 153692

Ion Ratio Lower Upper

65 100

67 51.2 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: VX038740.D

Acq: 10 Nov 2023 19:38

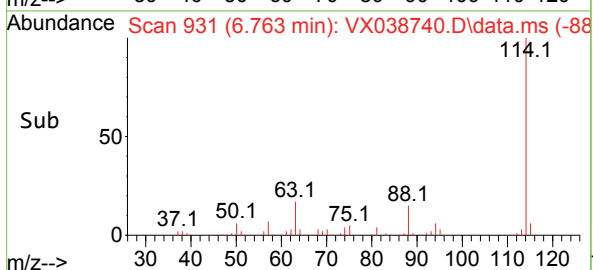
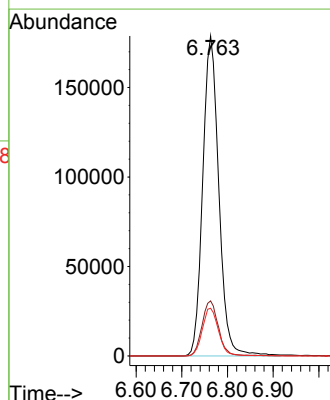
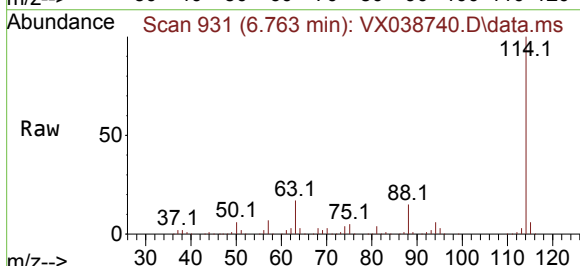
Tgt Ion: 114 Resp: 436221

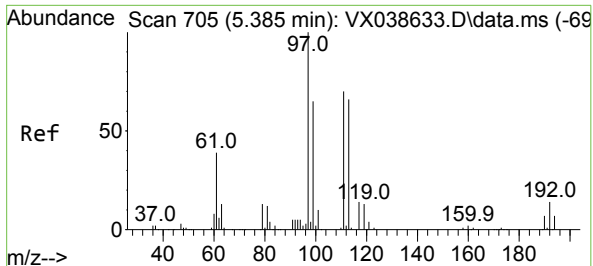
Ion Ratio Lower Upper

114 100

63 17.2 0.0 45.0

88 14.9 0.0 36.6





#35

Dibromofluoromethane

Concen: 45.727 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

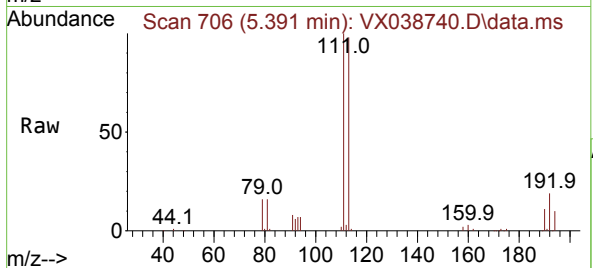
Lab File: VX038740.D

Acq: 10 Nov 2023 19:38

Instrument :

MSVOA_X

ClientSampleId :



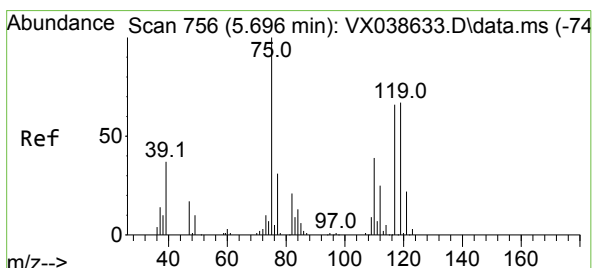
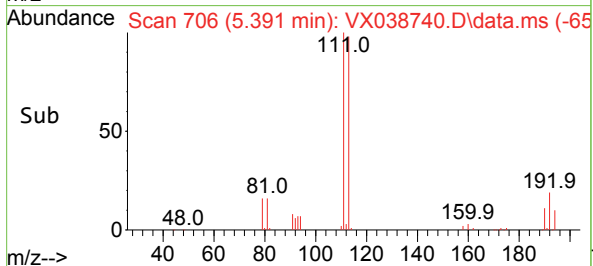
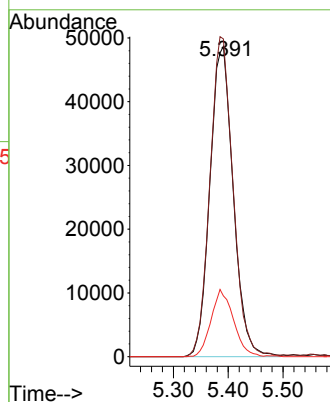
Tgt Ion:113 Resp: 143665

Ion Ratio Lower Upper

113 100

111 102.1 82.9 124.3

192 20.9 13.3 19.9#



#36

1,1-Dichloropropene

Concen: 4.306 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX038740.D

Acq: 10 Nov 2023 19:38

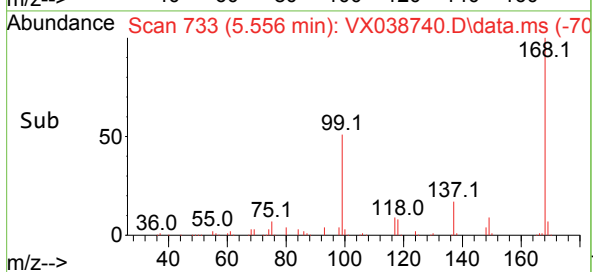
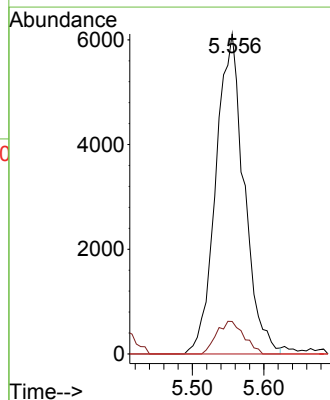
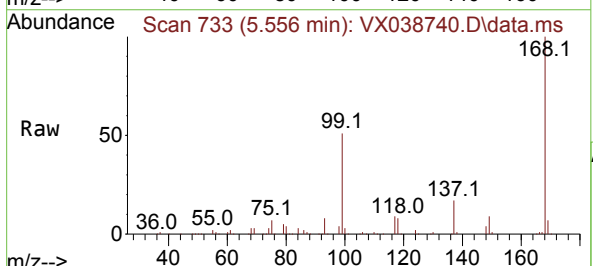
Tgt Ion: 75 Resp: 16806

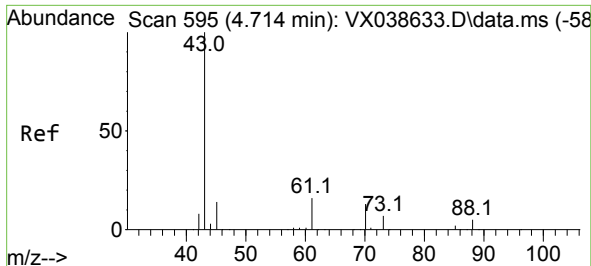
Ion Ratio Lower Upper

75 100

110 9.8 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.092 ug/l

RT: 4.739 min Scan# 595

Delta R.T. 0.025 min

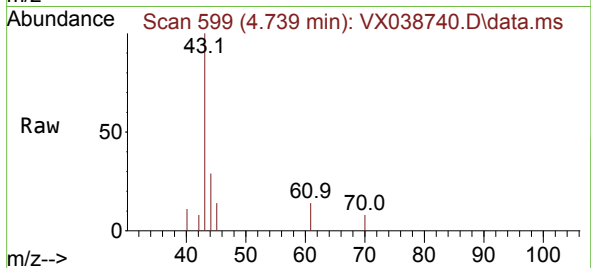
Lab File: VX038740.D

Acq: 10 Nov 2023 19:38

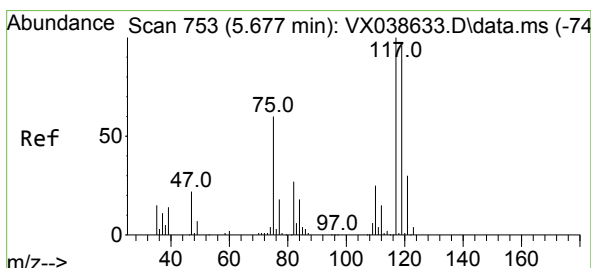
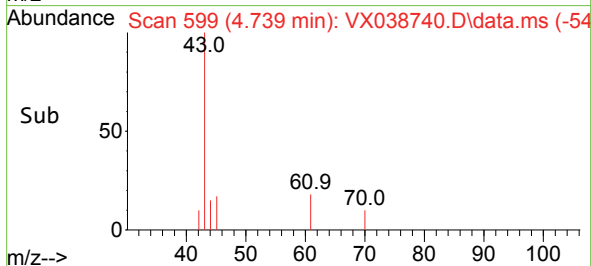
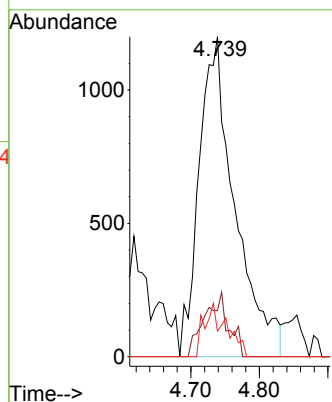
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 4351
Ion Ratio	Lower Upper
43	100
61	13.4 10.6 16.0
70	10.4 8.3 12.5



#38

Carbon Tetrachloride

Concen: 5.524 ug/l

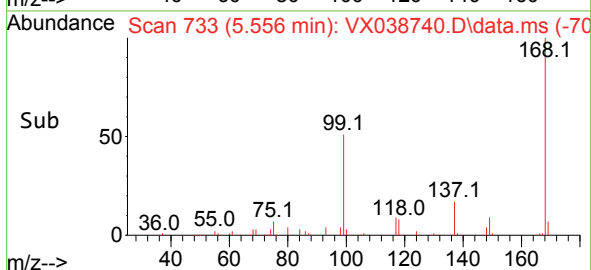
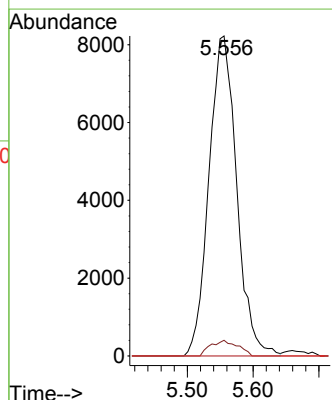
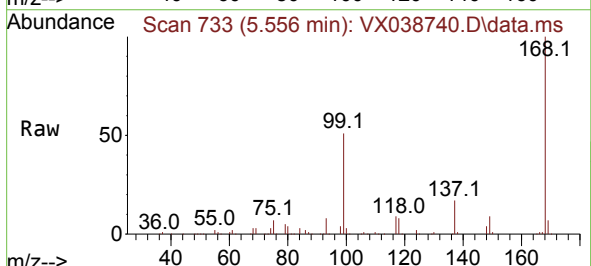
RT: 5.556 min Scan# 733

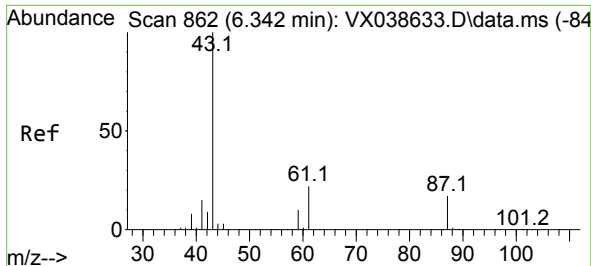
Delta R.T. -0.122 min

Lab File: VX038740.D

Acq: 10 Nov 2023 19:38

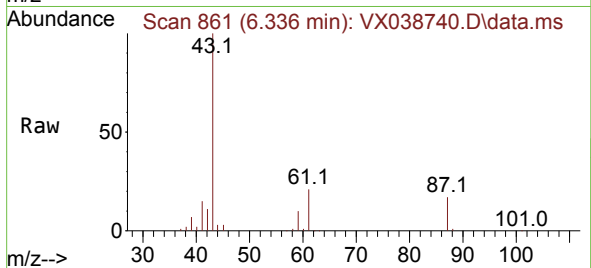
Tgt Ion: 117	Resp: 24099
Ion Ratio	Lower Upper
117	100
119	4.9 78.2 117.2#
121	0.0 24.4 36.6#



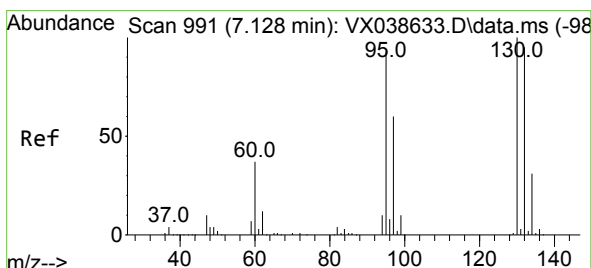
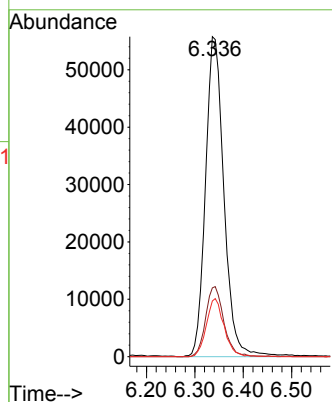
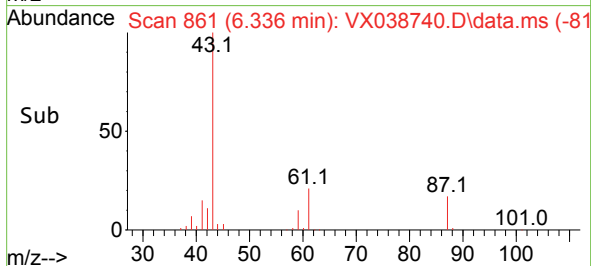


#43
Isopropyl Acetate
Concen: 24.062 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX038740.D
Acq: 10 Nov 2023 19:38

Instrument :
MSVOA_X
ClientSampleId :

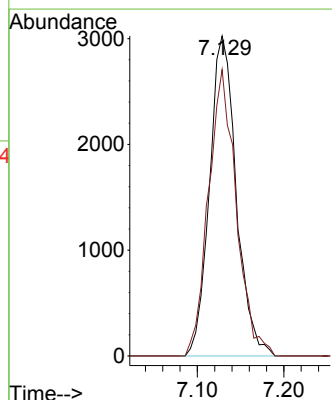
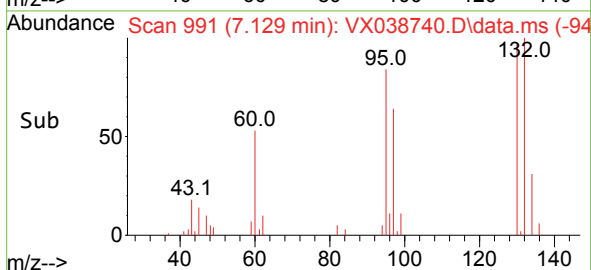
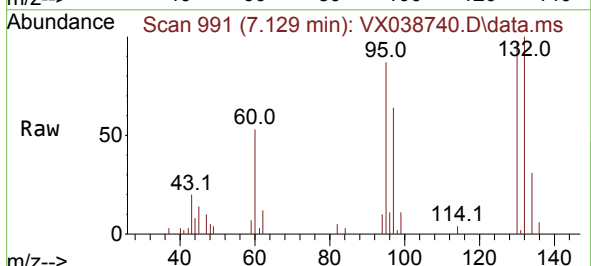


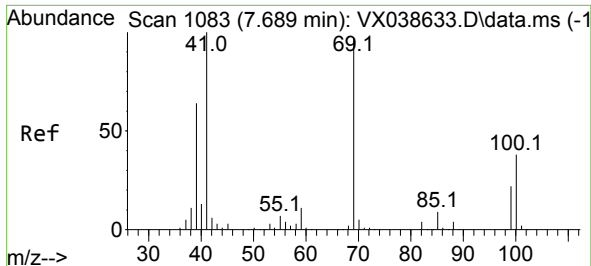
Tgt Ion: 43 Resp: 147401
Ion Ratio Lower Upper
43 100
61 21.5 15.2 22.8
87 17.5 9.8 14.6#



#44
Trichloroethene
Concen: 1.853 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX038740.D
Acq: 10 Nov 2023 19:38

Tgt Ion:130 Resp: 6481
Ion Ratio Lower Upper
130 100
95 89.5 0.0 204.4

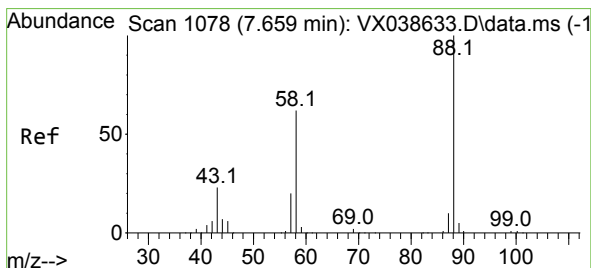
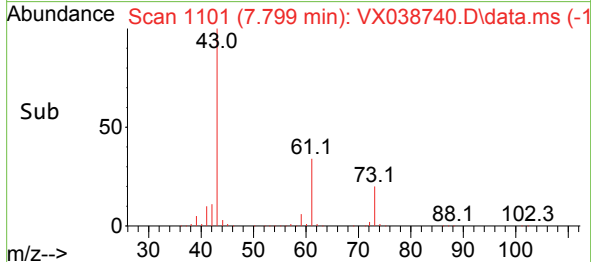
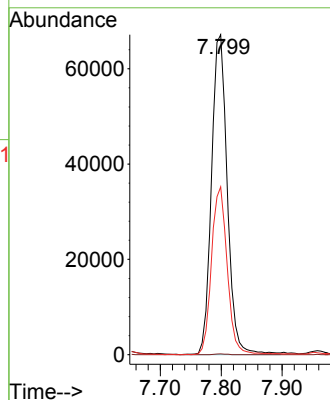
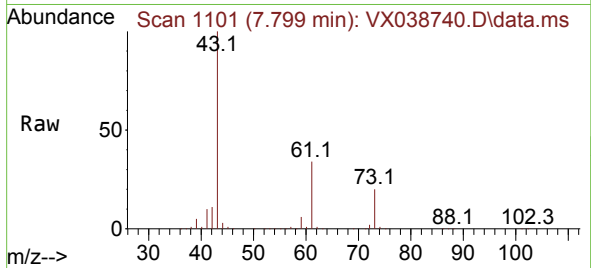




#48
Methyl methacrylate
Concen: 40.970 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX038740.D
Acq: 10 Nov 2023 19:38

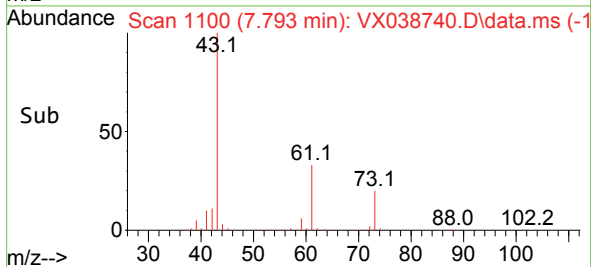
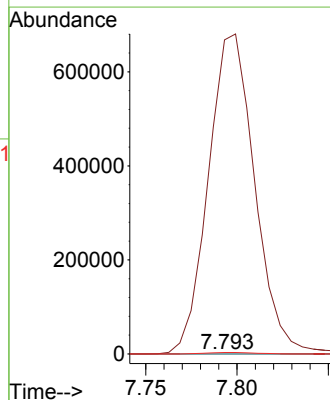
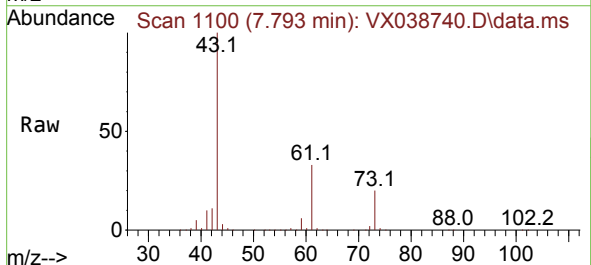
Instrument :
MSVOA_X
ClientSampleId :

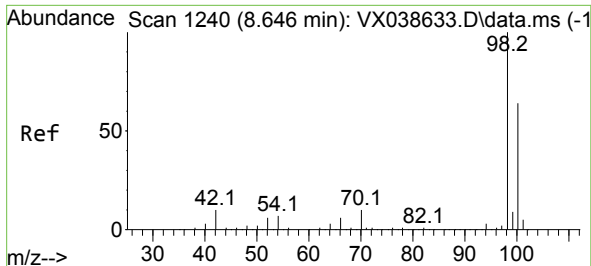
Tgt Ion: 41 Resp: 120951
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 52.7 47.7 71.5



#49
1,4-Dioxane
Concen: 3.407 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX038740.D
Acq: 10 Nov 2023 19:38

Tgt Ion: 88 Resp: 229
Ion Ratio Lower Upper
88 100
43 531494.8 0.0 0.0#
58 2650.2 60.1 90.1#

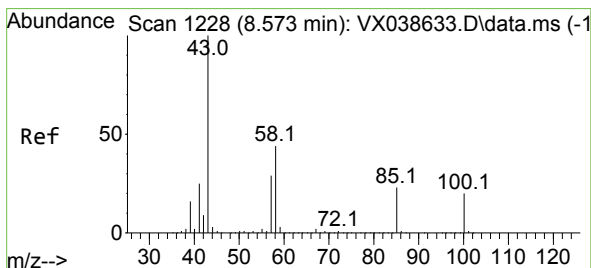
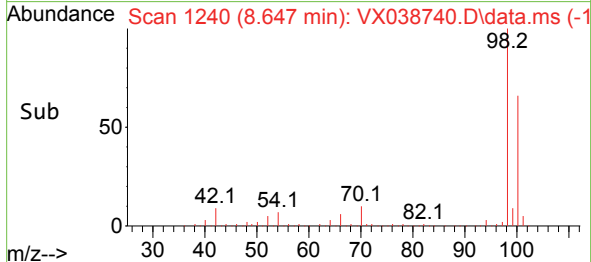
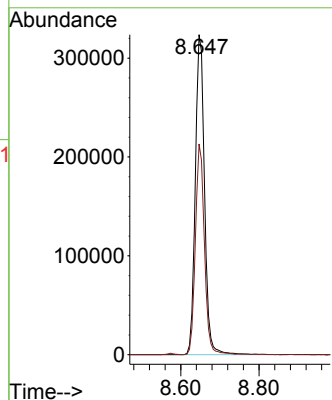
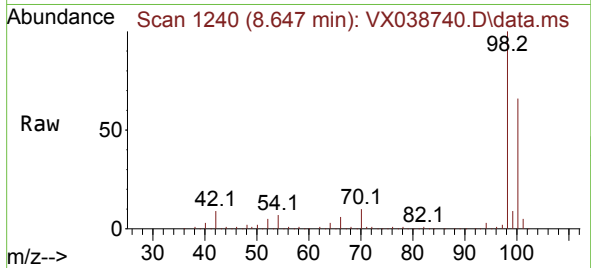




#50
Toluene-d8
Concen: 47.348 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038740.D
Acq: 10 Nov 2023 19:38

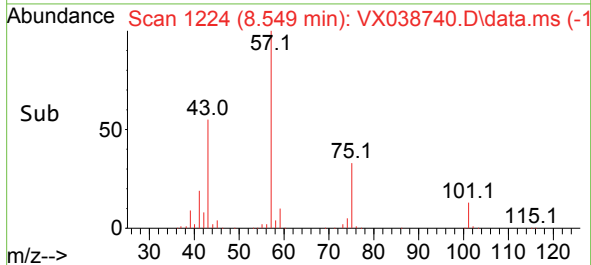
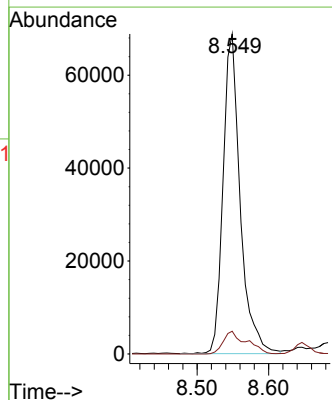
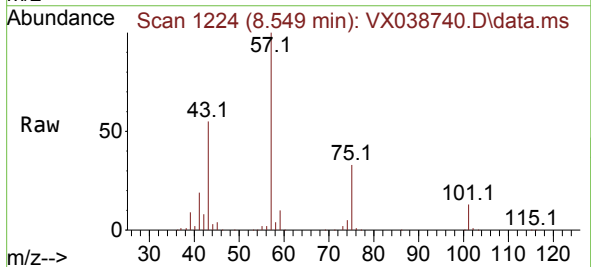
Instrument :
MSVOA_X
ClientSampleId :

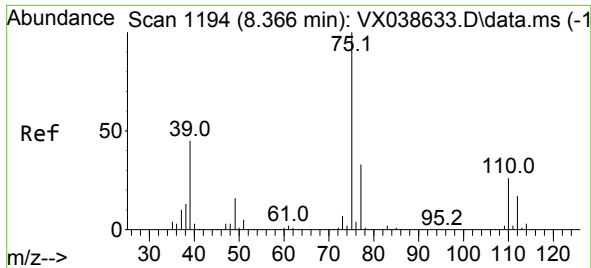
Tgt Ion: 98 Resp: 532311
Ion Ratio Lower Upper
98 100
100 64.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 28.662 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX038740.D
Acq: 10 Nov 2023 19:38

Tgt Ion: 43 Resp: 114396
Ion Ratio Lower Upper
43 100
58 9.7 30.4 45.6#

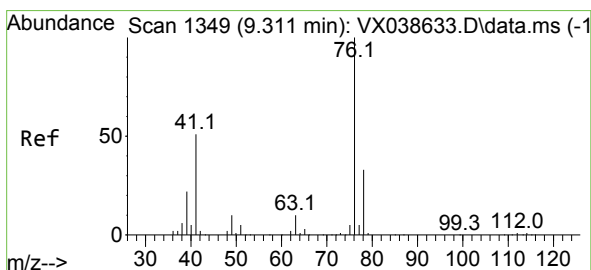
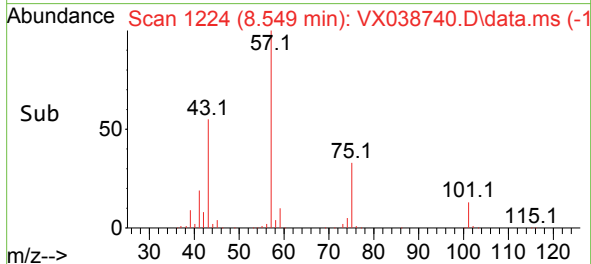
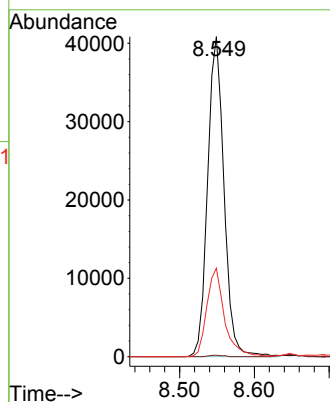
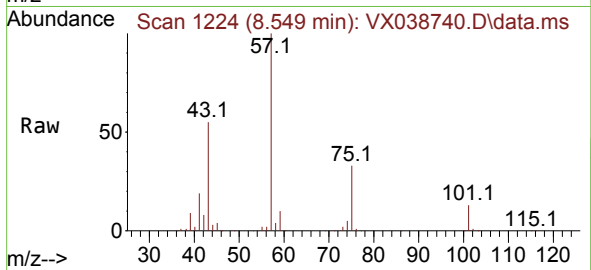




#54
 cis-1,3-Dichloropropene
 Concen: 13.544 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX038740.D
 Acq: 10 Nov 2023 19:38

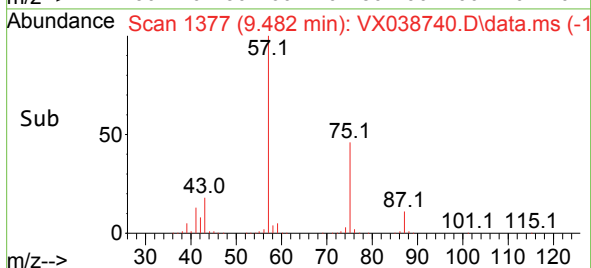
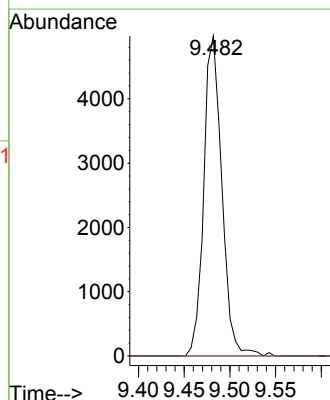
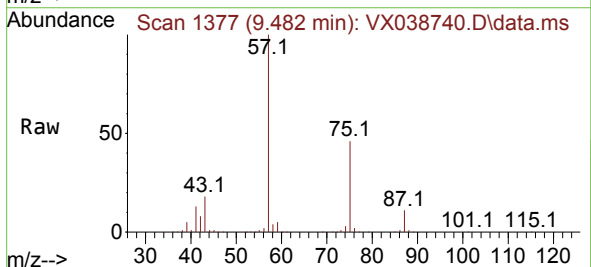
Instrument :
 MSVOA_X
 ClientSampleId :

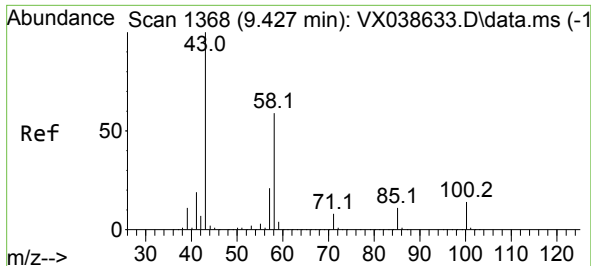
Tgt Ion: 75 Resp: 62214
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 27.7 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.405 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX038740.D
 Acq: 10 Nov 2023 19:38

Tgt Ion: 76 Resp: 6837
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 24.450 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX038740.D

Acq: 10 Nov 2023 19:38

Instrument :

MSVOA_X

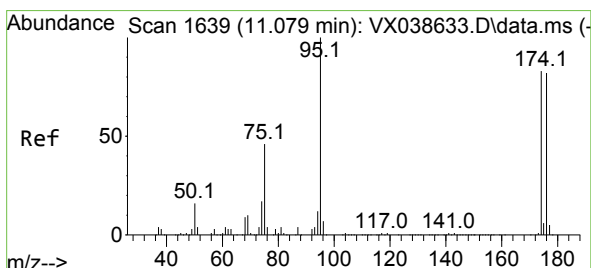
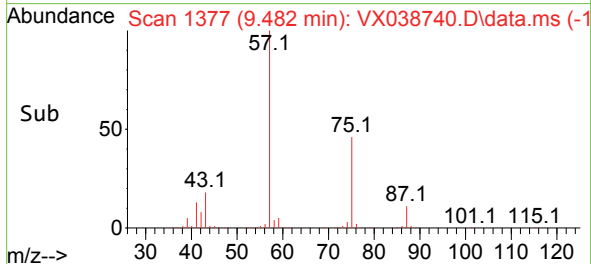
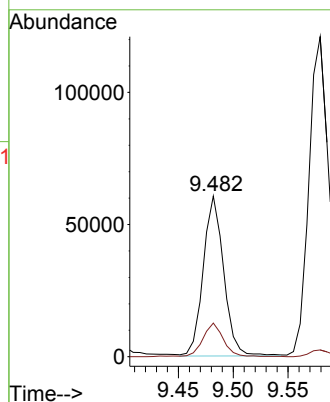
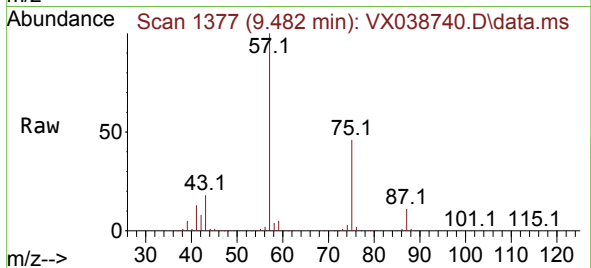
ClientSampleId :

Tgt Ion: 43 Resp: 78959

Ion Ratio Lower Upper

43 100

58 21.4 26.2 78.5#



#62

4-Bromofluorobenzene

Concen: 51.338 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX038740.D

Acq: 10 Nov 2023 19:38

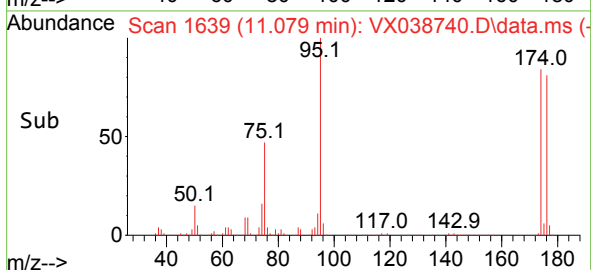
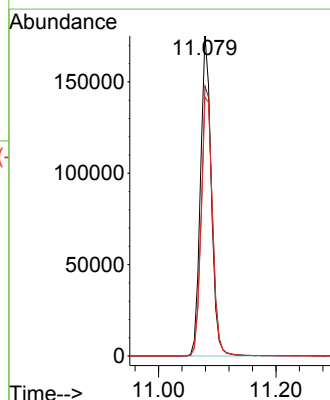
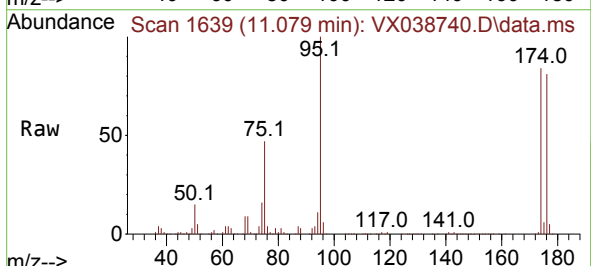
Tgt Ion: 95 Resp: 223776

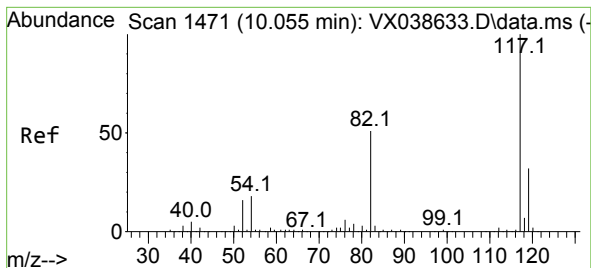
Ion Ratio Lower Upper

95 100

174 87.5 0.0 135.6

176 85.3 0.0 131.0

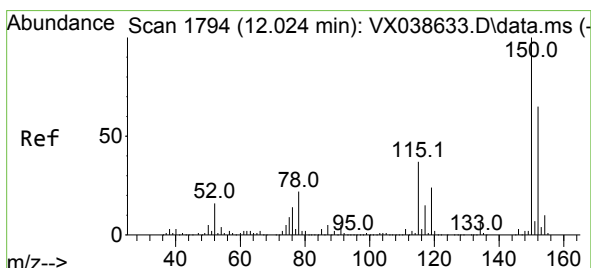
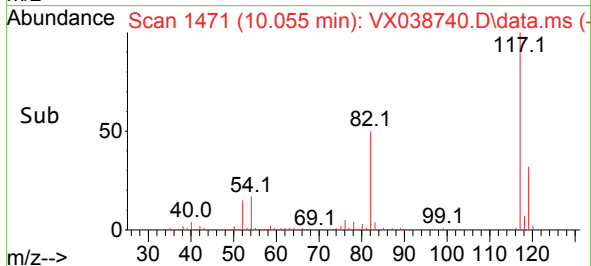
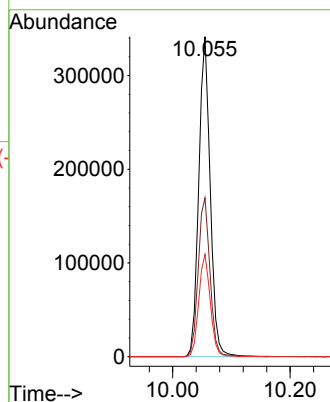
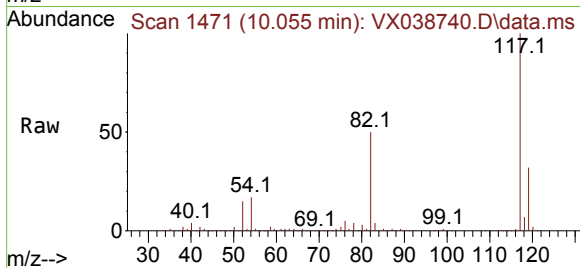




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038740.D
Acq: 10 Nov 2023 19:38

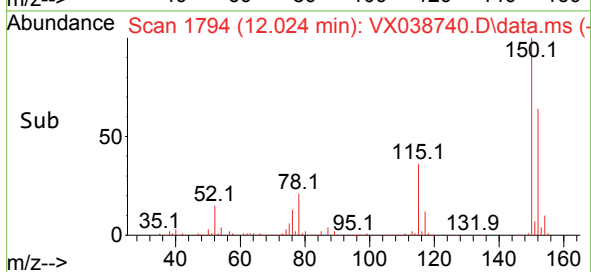
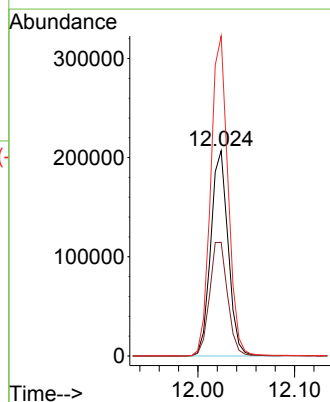
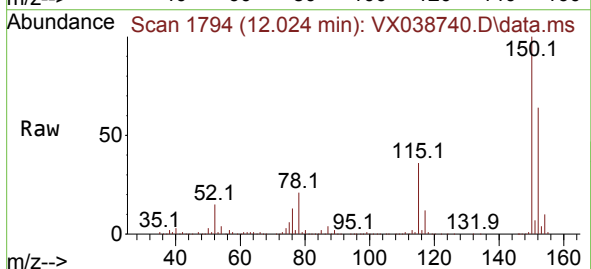
Instrument :
MSVOA_X
ClientSampleId :

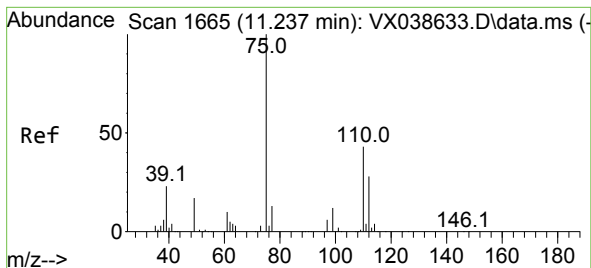
Tgt Ion:117 Resp: 462575
Ion Ratio Lower Upper
117 100
82 49.7 46.2 69.4
119 32.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038740.D
Acq: 10 Nov 2023 19:38

Tgt Ion:152 Resp: 258914
Ion Ratio Lower Upper
152 100
115 57.5 43.3 129.9
150 155.8 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 20.717 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038740.D

Acq: 10 Nov 2023 19:38

Instrument :

MSVOA_X

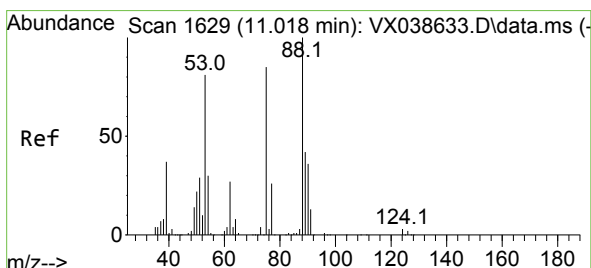
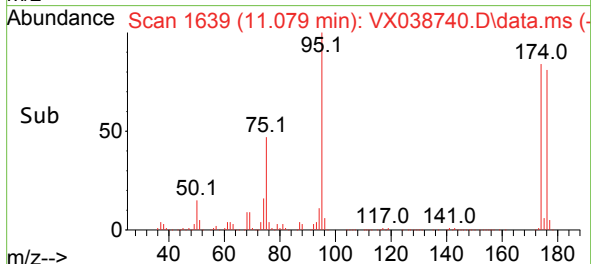
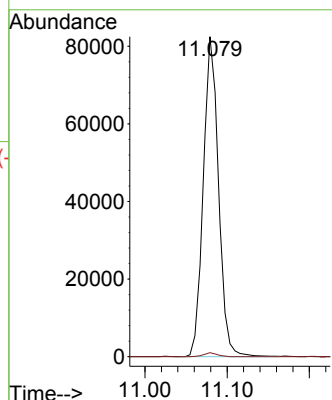
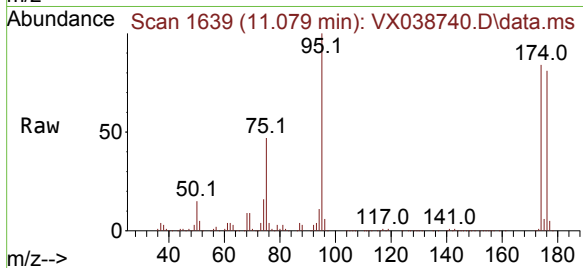
ClientSampleId :

Tgt Ion: 75 Resp: 106234

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.071 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038740.D

Acq: 10 Nov 2023 19:38

Tgt Ion: 75 Resp: 106234

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

