

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010324\
 Data File : VX039600.D
 Acq On : 03 Jan 2024 14:28
 Operator : JC/MD
 Sample : P1002-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 04 03:32:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

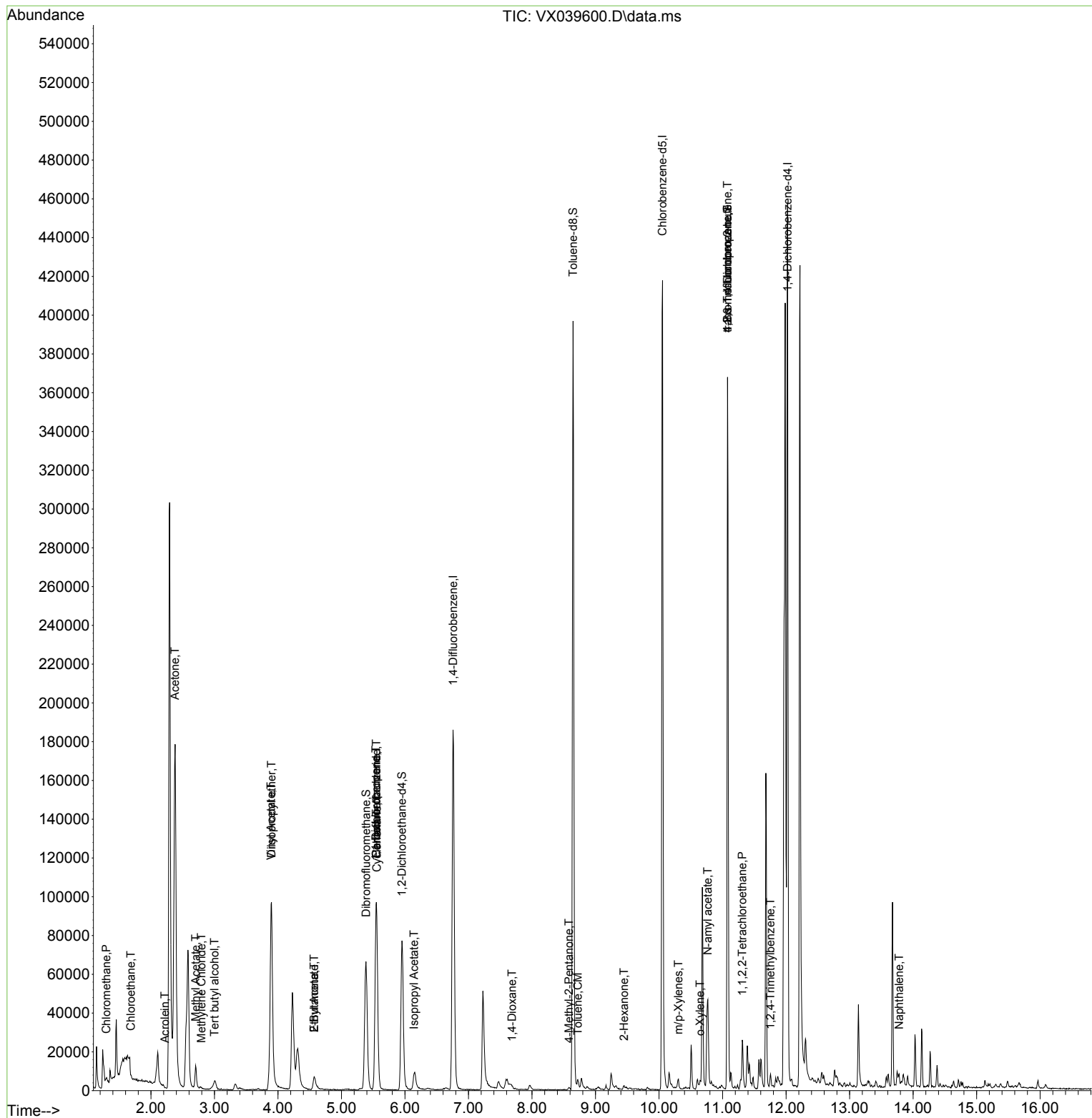
Internal Standards						
1) Pentafluorobenzene	5.550	168	86460	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181376	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	182197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83117	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75069	47.395	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.800%
35) Dibromofluoromethane	5.385	113	59484	47.472	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.940%
50) Toluene-d8	8.647	98	228395	49.097	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.200%
62) 4-Bromofluorobenzene	11.079	95	98642	51.393	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.780%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	404	0.300	ug/l	98
6) Chloroethane	1.684	64	874	1.158	ug/l #	85
11) Tert butyl alcohol	3.001	59	7624	19.168	ug/l #	86
13) Acrolein	2.221	56	191	0.602	ug/l #	14
16) Acetone	2.379	43	109079	104.812	ug/l #	1
18) Methyl Acetate	2.703	43	13426	3.919	ug/l	99
20) Methylene Chloride	2.794	84	337	0.255	ug/l #	48
22) Diisopropyl ether	3.897	45	7173	1.750	ug/l #	1
23) Vinyl Acetate	3.891	43	18280	5.989	ug/l #	73
25) 2-Butanone	4.568	43	14065	10.291	ug/l #	87
31) Cyclohexane	5.556	56	2307	1.128	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	8091	4.092	ug/l #	50
37) Ethyl Acetate	4.568	43	14065	5.758	ug/l #	69
38) Carbon Tetrachloride	5.550	117	9572	5.073	ug/l #	15
43) Isopropyl Acetate	6.141	43	9024	2.272	ug/l #	62
49) 1,4-Dioxane	7.683	88	1037	33.126	ug/l #	64
51) 4-Methyl-2-Pentanone	8.580	43	1186	0.469	ug/l	95
52) Toluene	8.720	92	1384	0.410	ug/l	82
59) 2-Hexanone	9.451	43	2171	0.994	ug/l	79
68) m/p-Xylenes	10.305	106	1213	0.457	ug/l	78
69) o-Xylene	10.646	106	625	0.244	ug/l	98
74) N-amyl acetate	10.768	43	23882	7.361	ug/l #	35
75) 1,1,2,2-Tetrachloroethane	11.311	83	14838	6.220	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	52633	24.476	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	52633	69.047	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	2966	0.529	ug/l	92
95) Naphthalene	13.780	128	2773	0.456	ug/l	96

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

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Quant Title : SW846 8260
QLast Update : Thu Dec 14 01:28:15 2023
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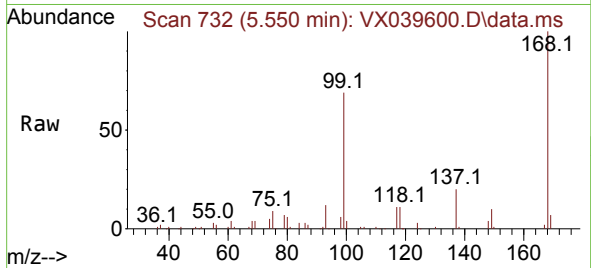


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039600.D
Acq: 03 Jan 2024 14:28

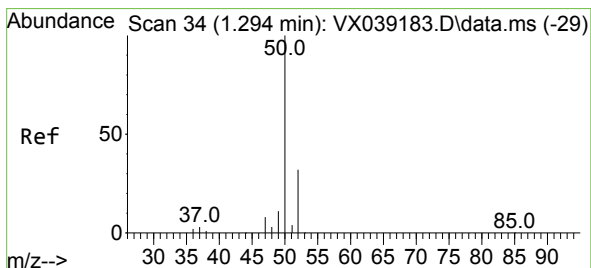
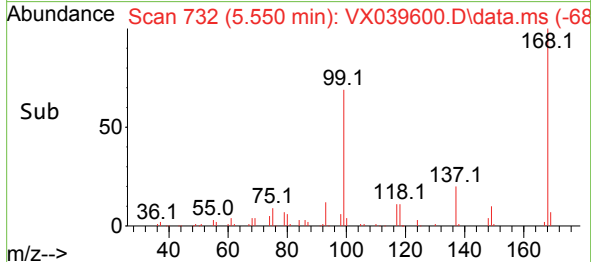
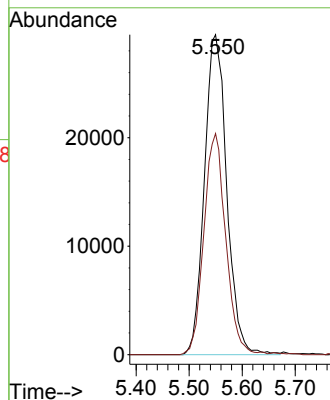
Instrument :

MSVOA_X

ClientSampleId :

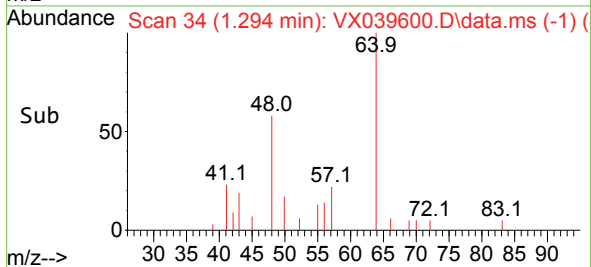
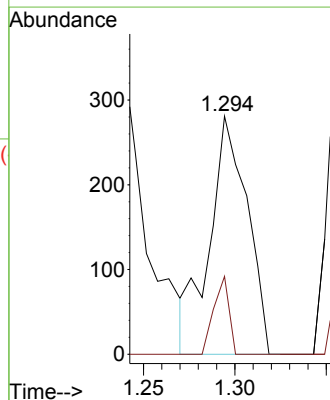
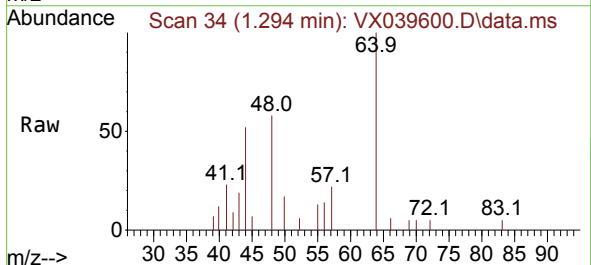


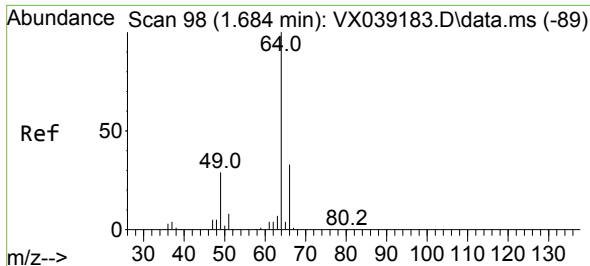
Tgt Ion:168 Resp: 86460
Ion Ratio Lower Upper
168 100
99 69.1 56.6 85.0



#3
Chloromethane
Concen: 0.300 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX039600.D
Acq: 03 Jan 2024 14:28

Tgt Ion: 50 Resp: 404
Ion Ratio Lower Upper
50 100
52 32.7 25.5 38.3

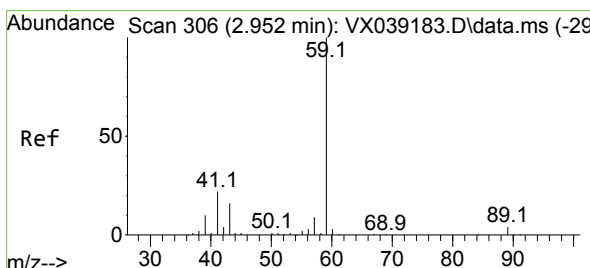
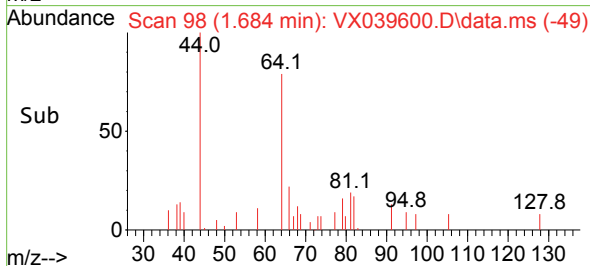
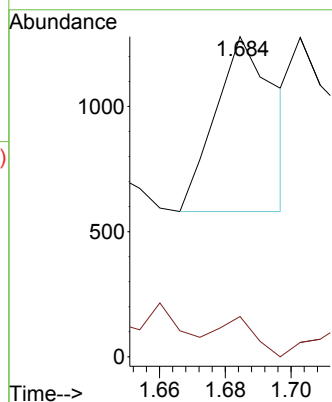
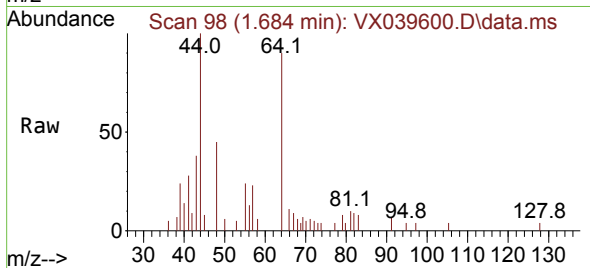




#6
Chloroethane
Concen: 1.158 ug/l
RT: 1.684 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX039600.D
Acq: 03 Jan 2024 14:28

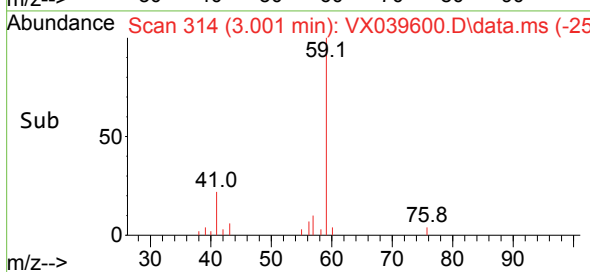
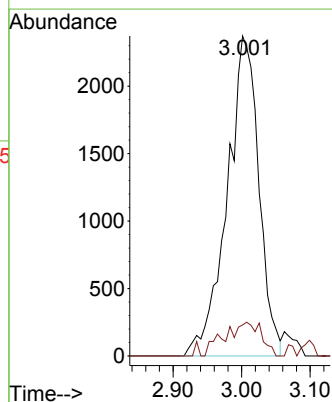
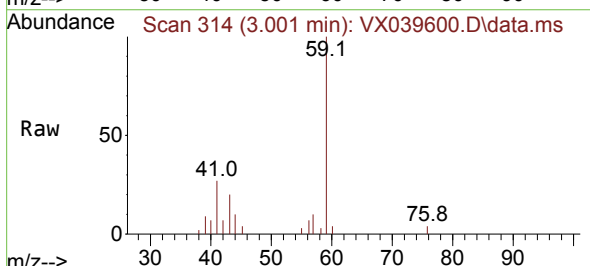
Instrument :
MSVOA_X
ClientSampleId :

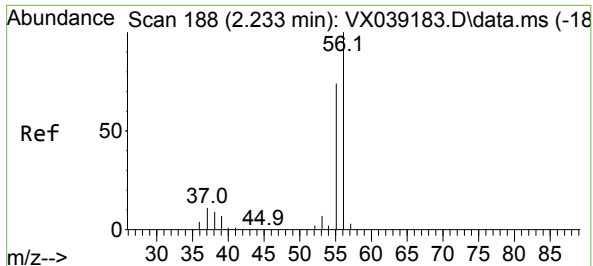
Tgt Ion: 64 Resp: 874
Ion Ratio Lower Upper
64 100
66 23.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 19.168 ug/l
RT: 3.001 min Scan# 314
Delta R.T. 0.049 min
Lab File: VX039600.D
Acq: 03 Jan 2024 14:28

Tgt Ion: 59 Resp: 7624
Ion Ratio Lower Upper
59 100
57 12.3 6.0 9.0#





#13

Acrolein

Concen: 0.602 ug/l

RT: 2.221 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX039600.D

Acq: 03 Jan 2024 14:28

Instrument :

MSVOA_X

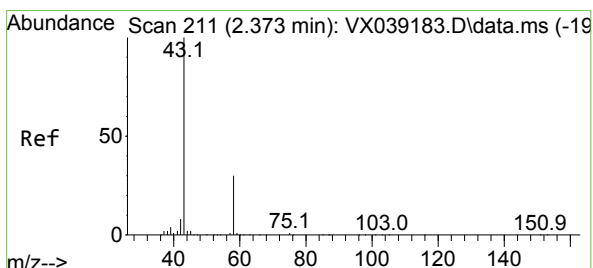
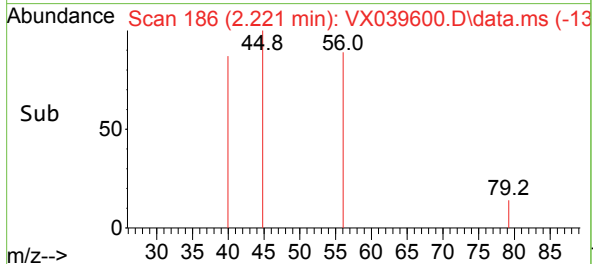
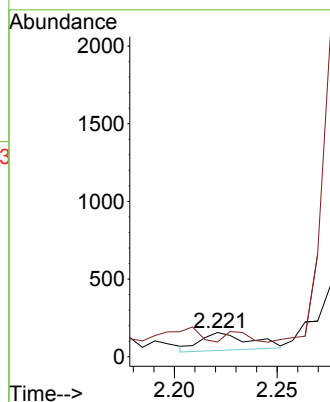
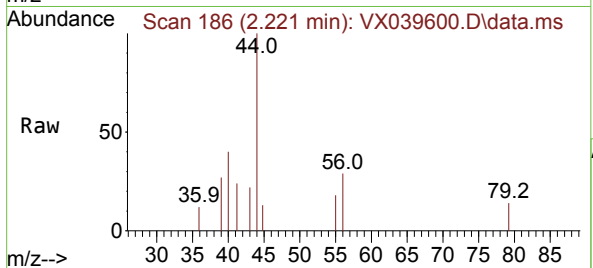
ClientSampleId :

Tgt Ion: 56 Resp: 191

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#16

Acetone

Concen: 104.812 ug/l

RT: 2.379 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX039600.D

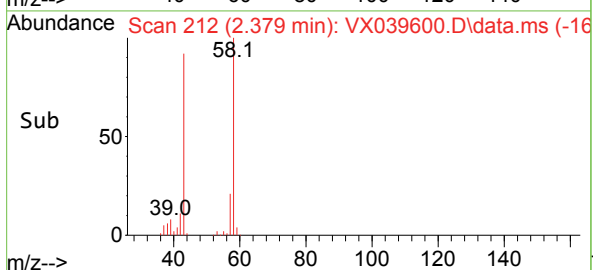
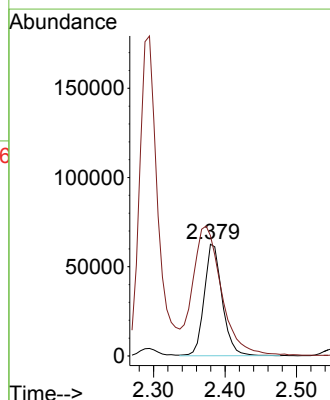
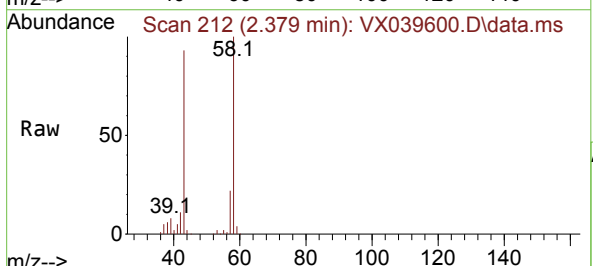
Acq: 03 Jan 2024 14:28

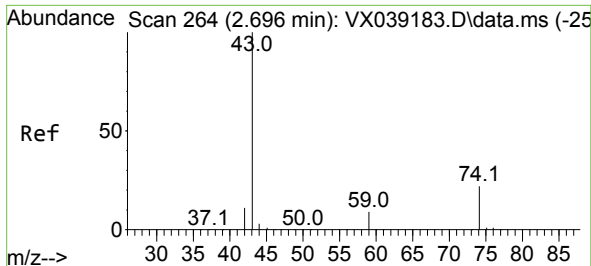
Tgt Ion: 43 Resp: 109079

Ion Ratio Lower Upper

43 100

58 106.5 21.9 32.9#

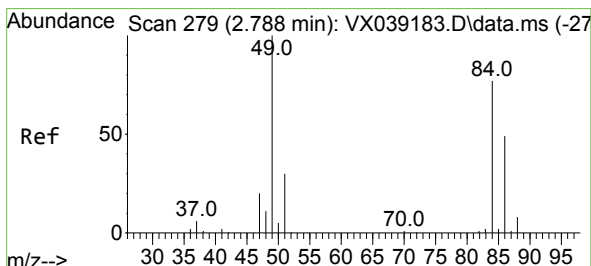
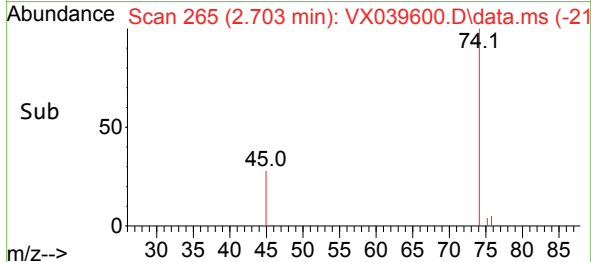
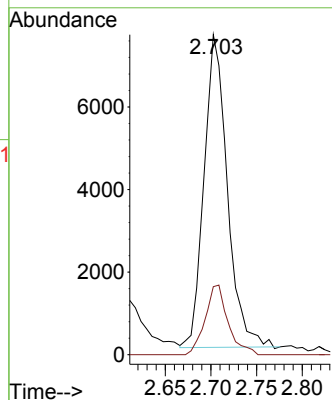
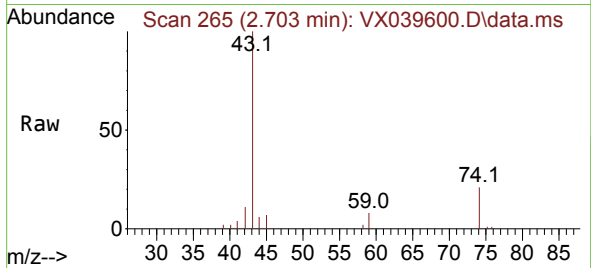




#18
Methyl Acetate
Concen: 3.919 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX039600.D
Acq: 03 Jan 2024 14:28

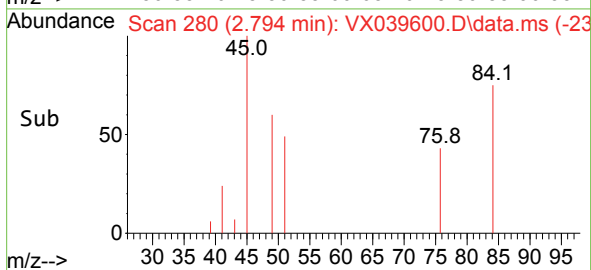
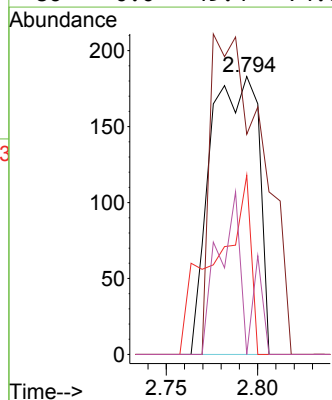
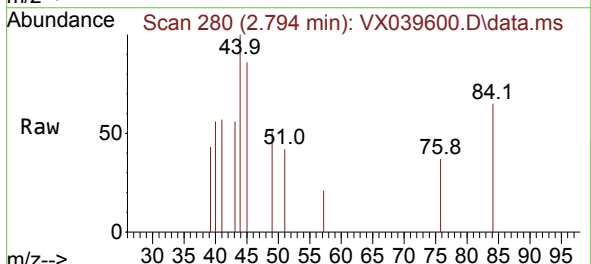
Instrument :
MSVOA_X
ClientSampleId :

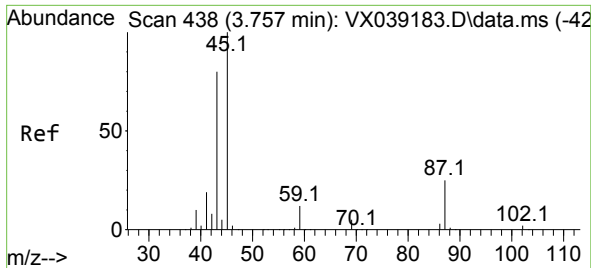
Tgt Ion: 43 Resp: 13426
Ion Ratio Lower Upper
43 100
74 21.7 17.8 26.8



#20
Methylene Chloride
Concen: 0.255 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX039600.D
Acq: 03 Jan 2024 14:28

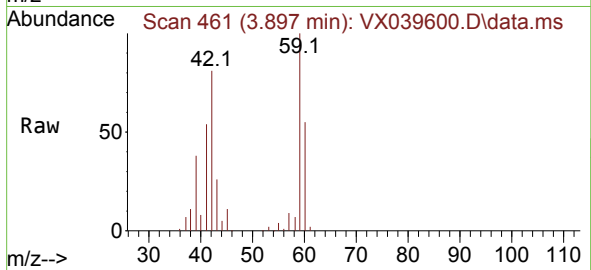
Tgt Ion: 84 Resp: 337
Ion Ratio Lower Upper
84 100
49 79.2 103.6 155.4#
51 64.5 33.8 50.6#
86 0.0 49.4 74.0#



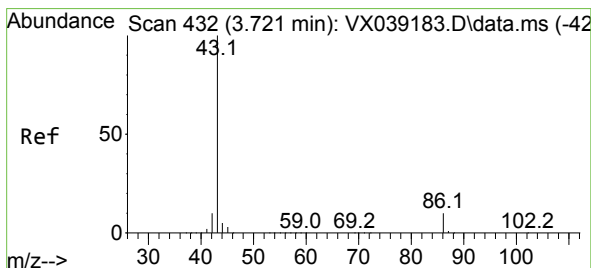
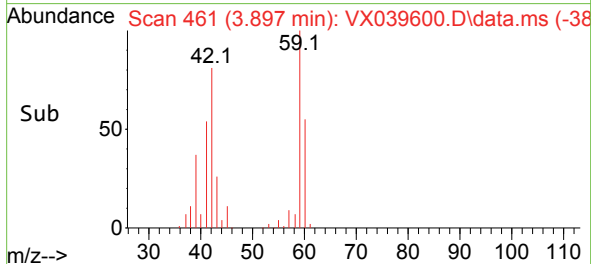
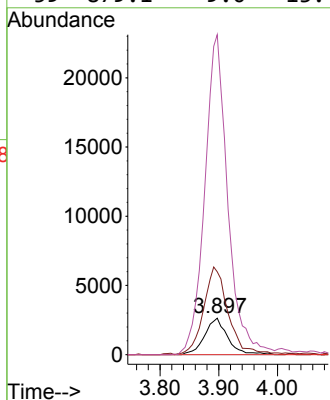


#22
Diisopropyl ether
Concen: 1.750 ug/l
RT: 3.897 min Scan# 41
Delta R.T. 0.140 min
Lab File: VX039600.D
Acq: 03 Jan 2024 14:28

Instrument :
MSVOA_X
ClientSampleId :

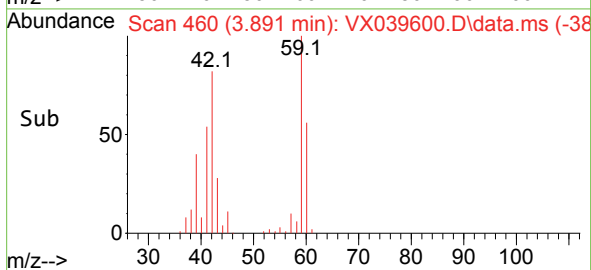
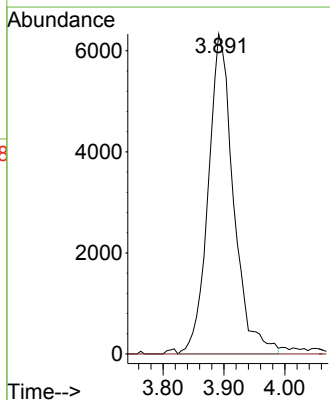
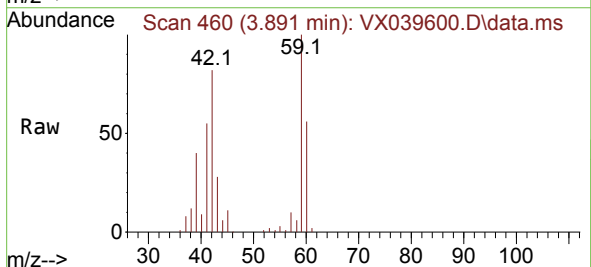


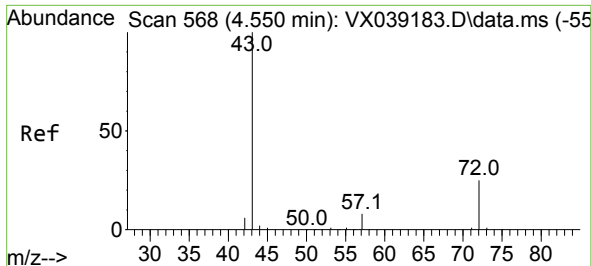
Tgt Ion: 45 Resp: 7173
Ion Ratio Lower Upper
45 100
43 225.3 69.7 104.5#
87 0.0 20.8 31.2#
59 879.1 9.0 13.4#



#23
Vinyl Acetate
Concen: 5.989 ug/l
RT: 3.891 min Scan# 460
Delta R.T. 0.171 min
Lab File: VX039600.D
Acq: 03 Jan 2024 14:28

Tgt Ion: 43 Resp: 18280
Ion Ratio Lower Upper
43 100
86 0.0 7.8 11.8#

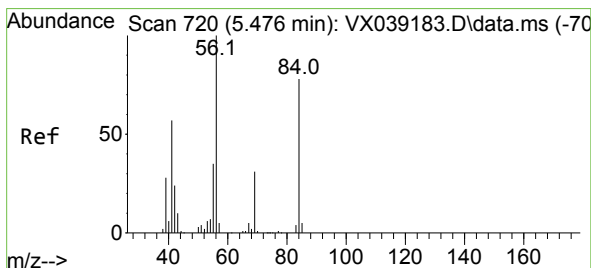
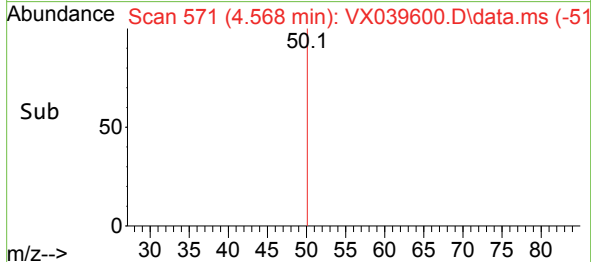
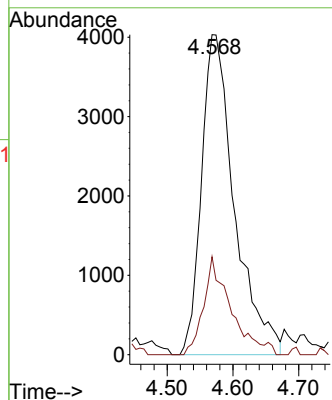
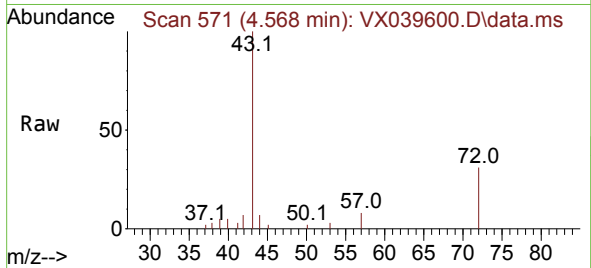




#25
2-Butanone
Concen: 10.291 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX039600.D
Acq: 03 Jan 2024 14:28

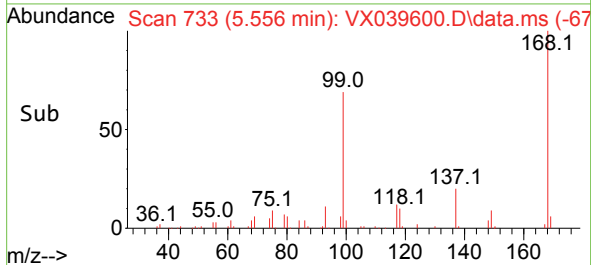
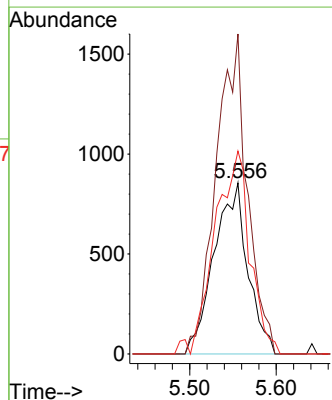
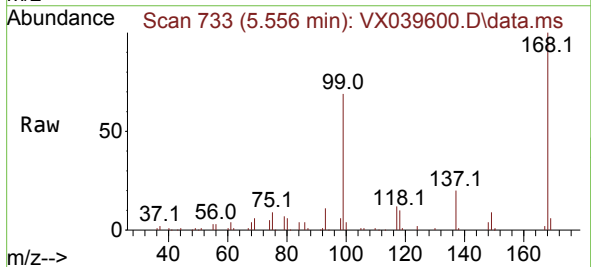
Instrument :
MSVOA_X
ClientSampleId :

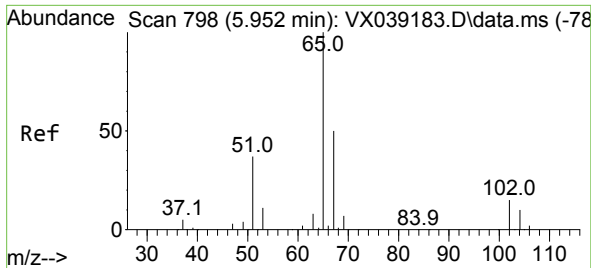
Tgt Ion: 43 Resp: 14065
Ion Ratio Lower Upper
43 100
72 30.6 19.4 29.2#



#31
Cyclohexane
Concen: 1.128 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX039600.D
Acq: 03 Jan 2024 14:28

Tgt Ion: 56 Resp: 2307
Ion Ratio Lower Upper
56 100
69 187.0 23.4 35.2#
84 118.6 65.9 98.9#

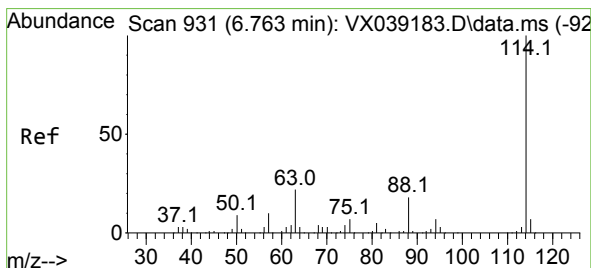
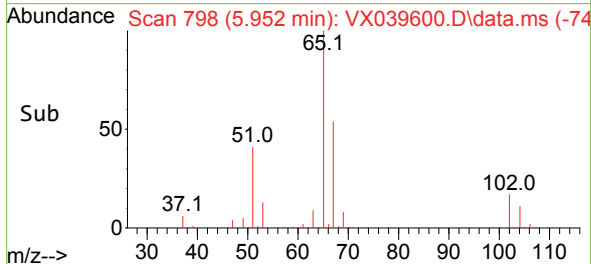
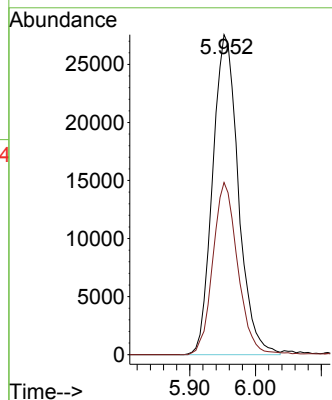
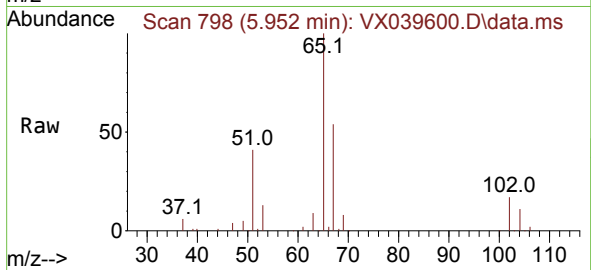




#33
1,2-Dichloroethane-d4
Concen: 47.395 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039600.D
Acq: 03 Jan 2024 14:28

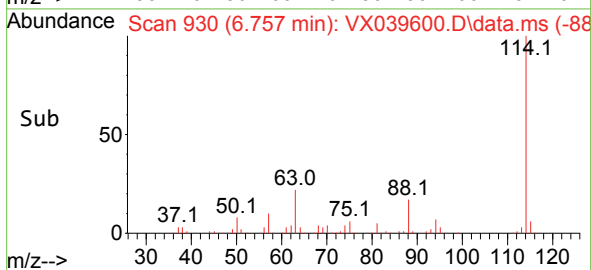
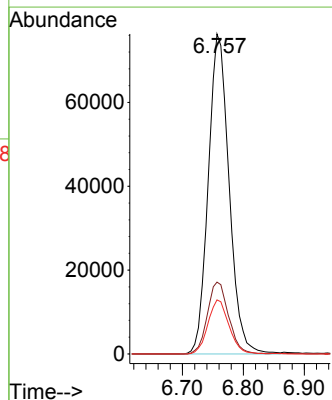
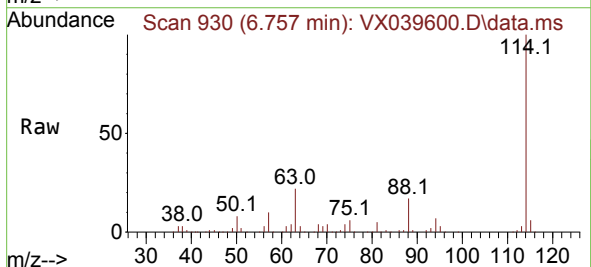
Instrument :
MSVOA_X
ClientSampleId :

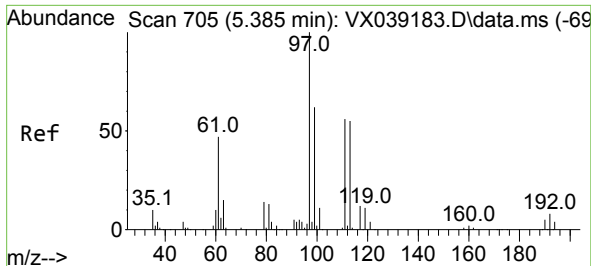
Tgt Ion: 65 Resp: 75069
Ion Ratio Lower Upper
65 100
67 52.1 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.006 min
Lab File: VX039600.D
Acq: 03 Jan 2024 14:28

Tgt Ion: 114 Resp: 181376
Ion Ratio Lower Upper
114 100
63 22.5 0.0 45.0
88 16.9 0.0 36.6





#35

Dibromofluoromethane

Concen: 47.472 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

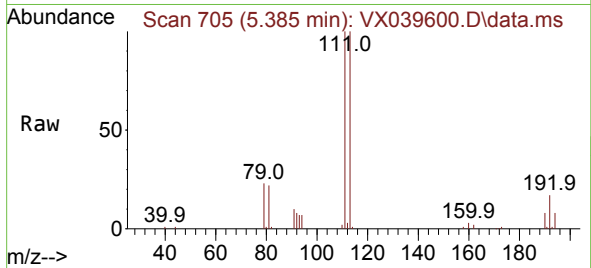
Lab File: VX039600.D

Acq: 03 Jan 2024 14:28

Instrument :

MSVOA_X

ClientSampleId :



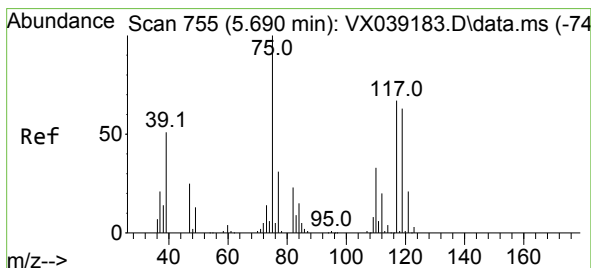
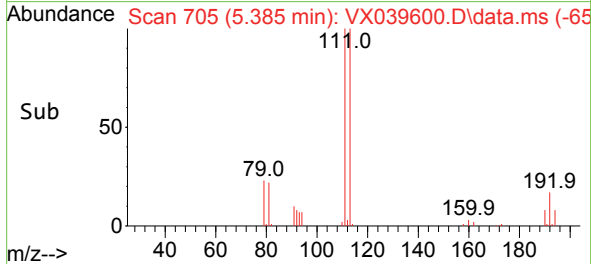
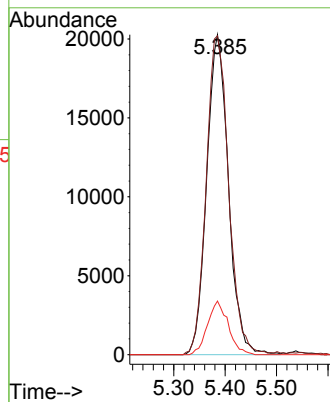
Tgt Ion:113 Resp: 59484

Ion Ratio Lower Upper

113 100

111 103.1 82.9 124.3

192 16.0 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.092 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX039600.D

Acq: 03 Jan 2024 14:28

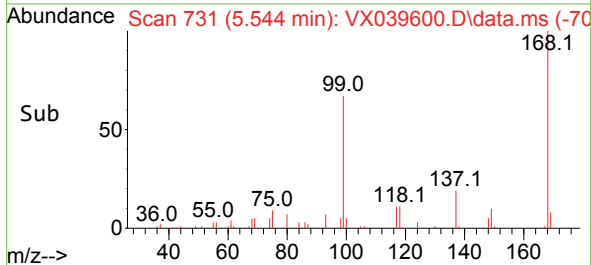
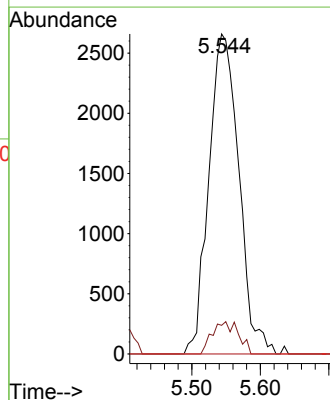
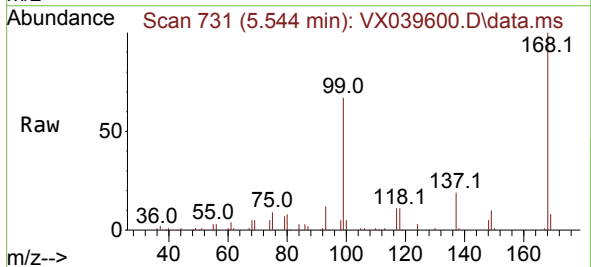
Tgt Ion: 75 Resp: 8091

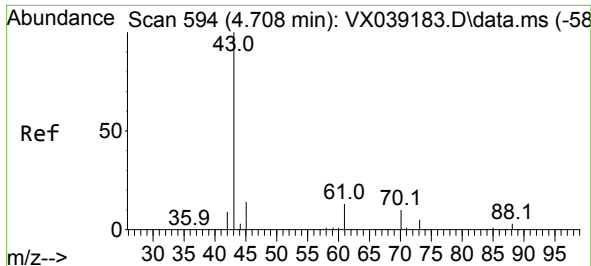
Ion Ratio Lower Upper

75 100

110 8.8 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 5.758 ug/l

RT: 4.568 min Scan# 51

Delta R.T. -0.140 min

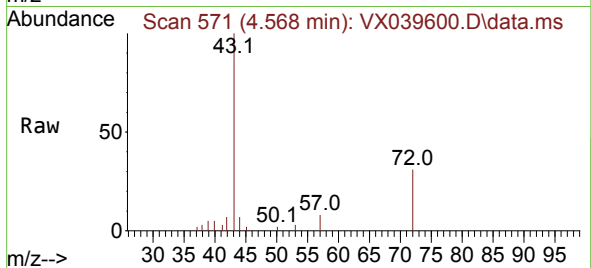
Lab File: VX039600.D

Acq: 03 Jan 2024 14:28

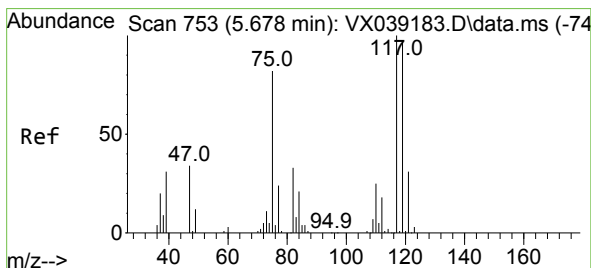
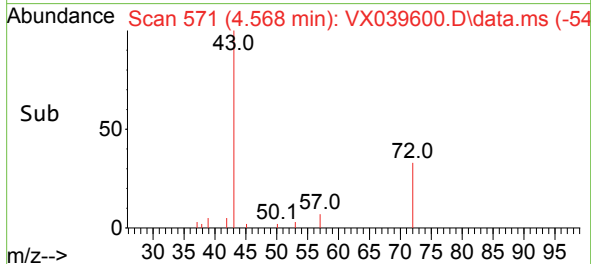
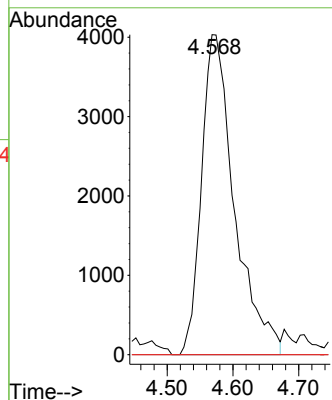
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 14065
Ion Ratio	Lower Upper
43	100
61	0.0 10.6 16.0#
70	0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.073 ug/l

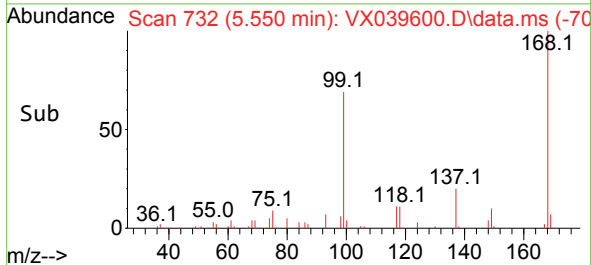
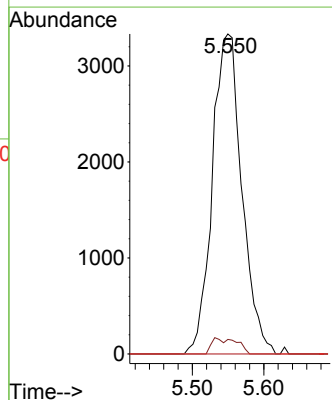
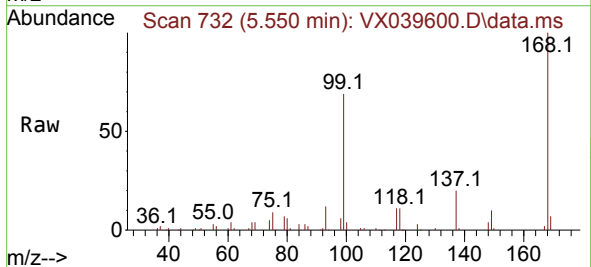
RT: 5.550 min Scan# 732

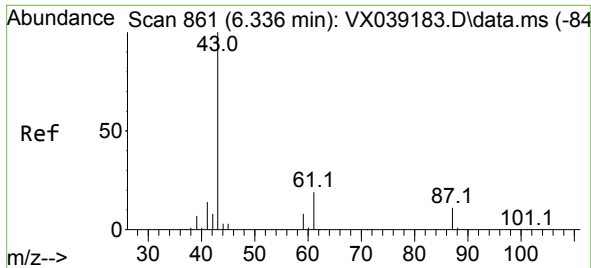
Delta R.T. -0.128 min

Lab File: VX039600.D

Acq: 03 Jan 2024 14:28

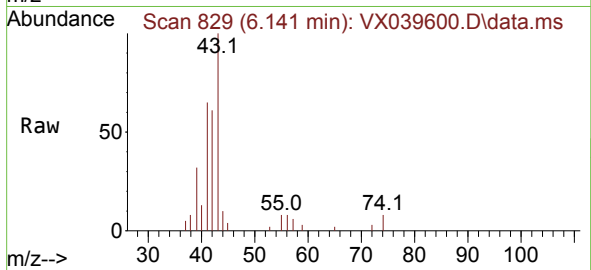
Tgt Ion: 117	Resp: 9572
Ion Ratio	Lower Upper
117	100
119	4.6 78.2 117.2#
121	0.0 24.4 36.6#



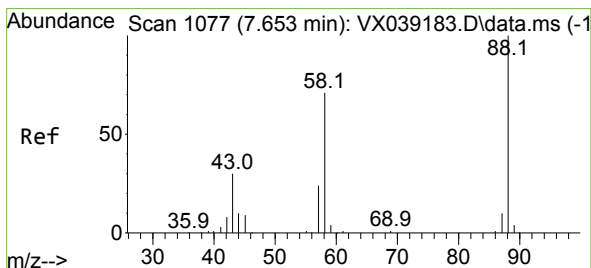
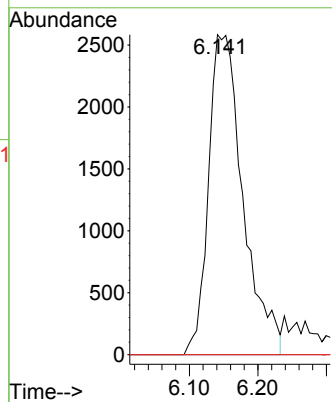
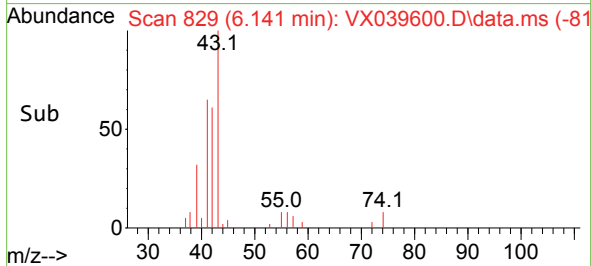


#43
Isopropyl Acetate
Concen: 2.272 ug/l
RT: 6.141 min Scan# 81
Delta R.T. -0.195 min
Lab File: VX039600.D
Acq: 03 Jan 2024 14:28

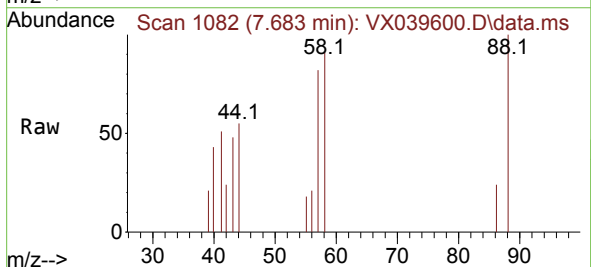
Instrument :
MSVOA_X
ClientSampleId :



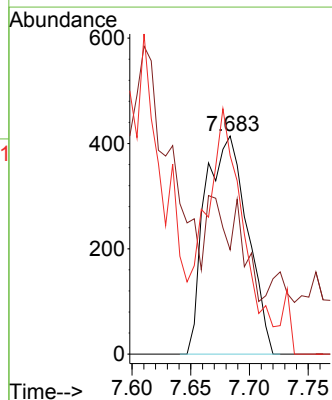
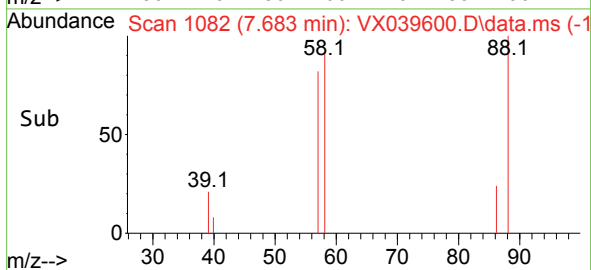
Tgt Ion: 43 Resp: 9024
Ion Ratio Lower Upper
43 100
61 0.0 15.2 22.8#
87 0.0 9.8 14.6#

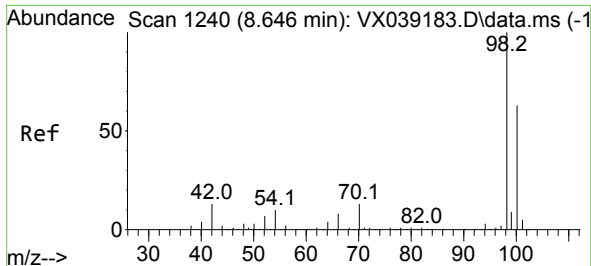


#49
1,4-Dioxane
Concen: 33.126 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.031 min
Lab File: VX039600.D
Acq: 03 Jan 2024 14:28



Tgt Ion: 88 Resp: 1037
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 106.2 60.1 90.1#





#50

Toluene-d8

Concen: 49.097 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX039600.D

Acq: 03 Jan 2024 14:28

Instrument :

MSVOA_X

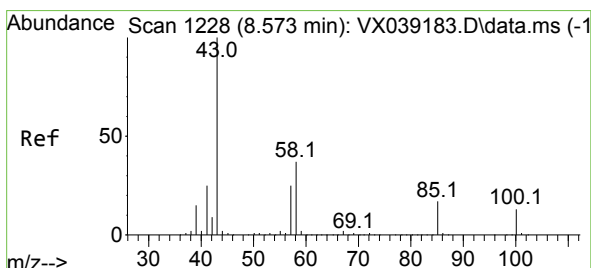
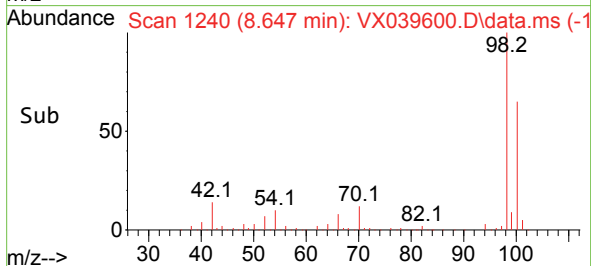
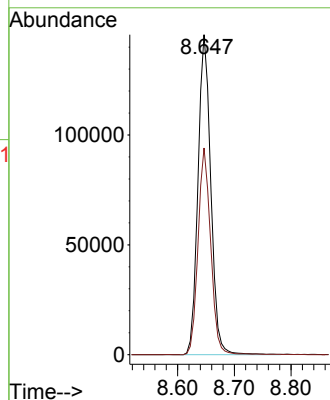
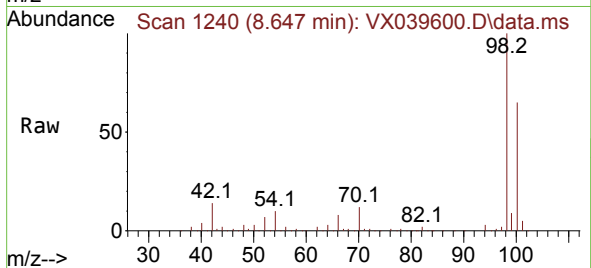
ClientSampleId :

Tgt Ion: 98 Resp: 228395

Ion Ratio Lower Upper

98 100

100 63.7 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.469 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX039600.D

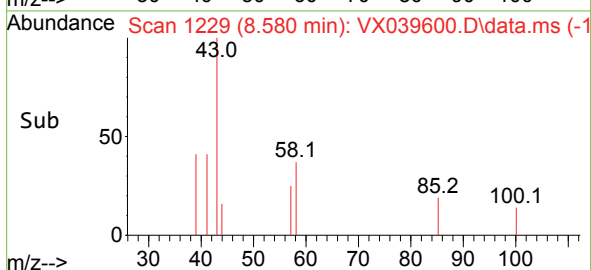
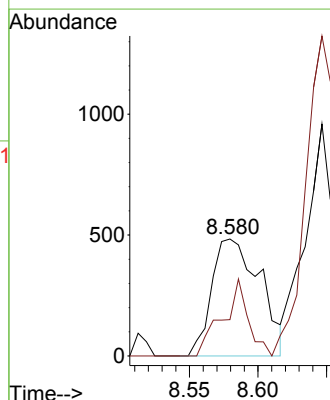
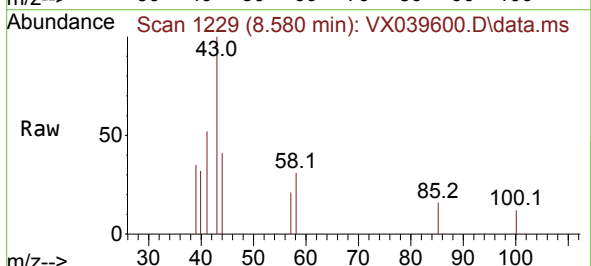
Acq: 03 Jan 2024 14:28

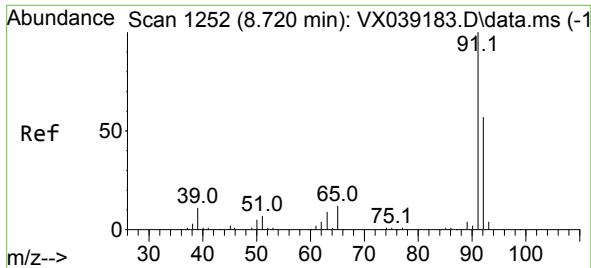
Tgt Ion: 43 Resp: 1186

Ion Ratio Lower Upper

43 100

58 34.8 30.4 45.6

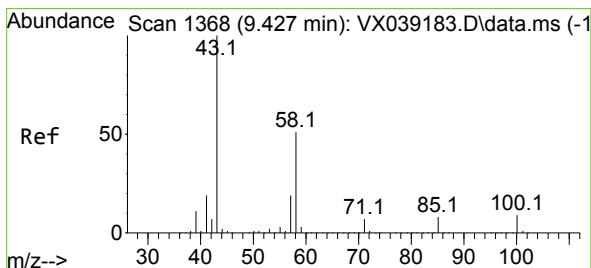
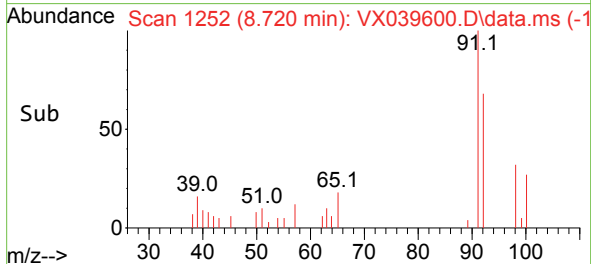
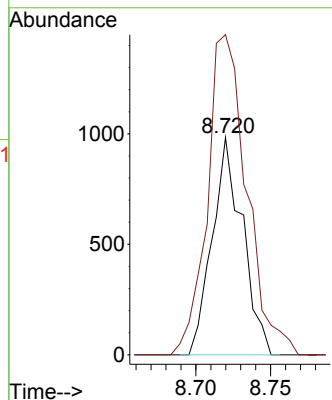
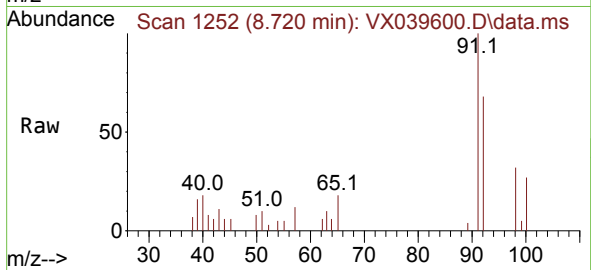




#52
Toluene
Concen: 0.410 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039600.D
Acq: 03 Jan 2024 14:28

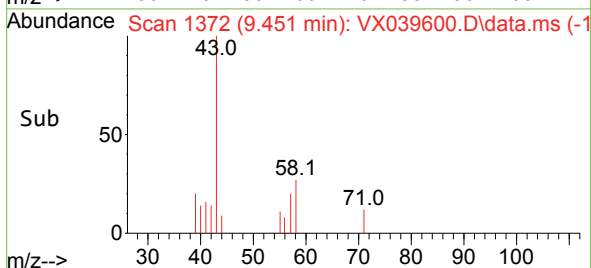
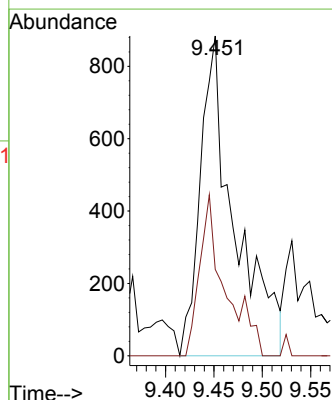
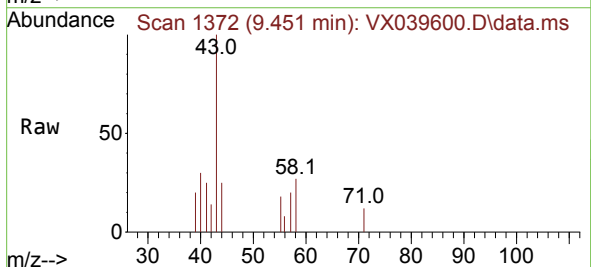
Instrument :
MSVOA_X
ClientSampleId :

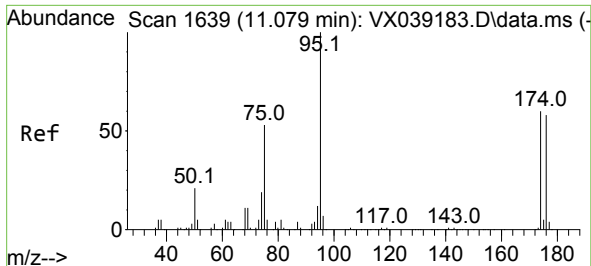
Tgt Ion: 92 Resp: 1384
Ion Ratio Lower Upper
92 100
91 191.5 134.2 201.2



#59
2-Hexanone
Concen: 0.994 ug/l
RT: 9.451 min Scan# 1372
Delta R.T. 0.025 min
Lab File: VX039600.D
Acq: 03 Jan 2024 14:28

Tgt Ion: 43 Resp: 2171
Ion Ratio Lower Upper
43 100
58 37.5 26.2 78.5

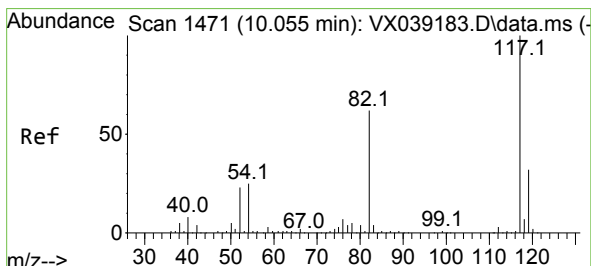
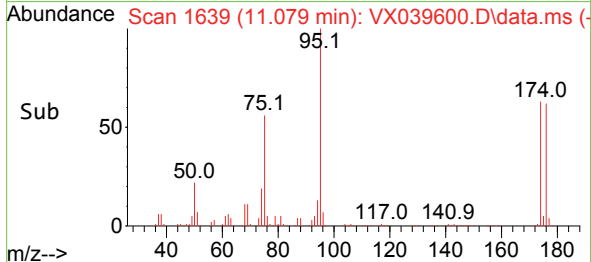
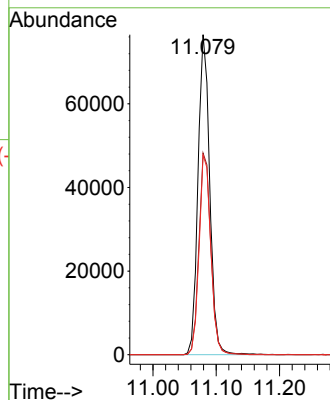
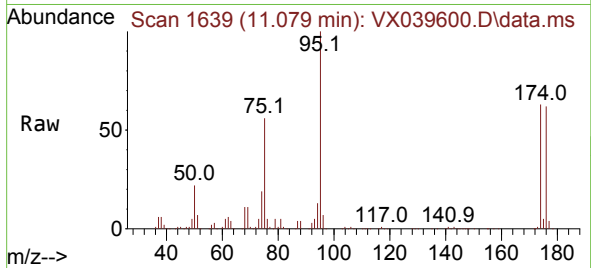




#62
4-Bromofluorobenzene
Concen: 51.393 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039600.D
Acq: 03 Jan 2024 14:28

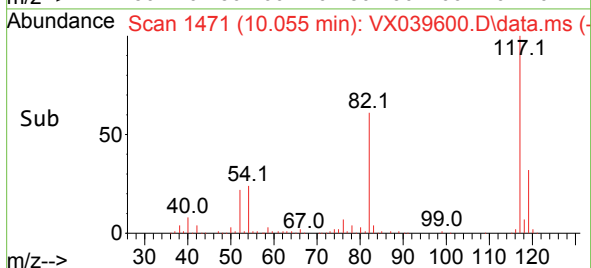
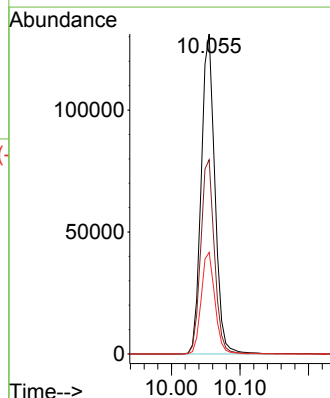
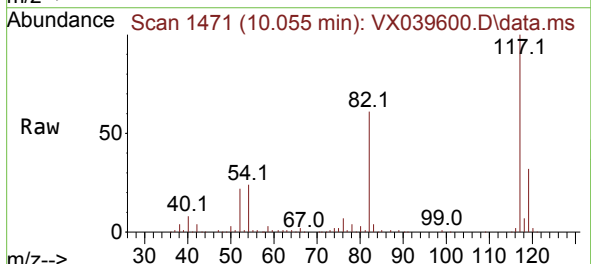
Instrument :
MSVOA_X
ClientSampleId :

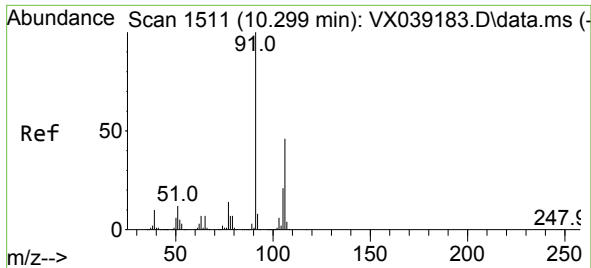
Tgt Ion: 95 Resp: 98642
Ion Ratio Lower Upper
95 100
174 64.2 0.0 135.6
176 62.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039600.D
Acq: 03 Jan 2024 14:28

Tgt Ion: 117 Resp: 182197
Ion Ratio Lower Upper
117 100
82 60.7 46.2 69.4
119 31.8 25.5 38.3

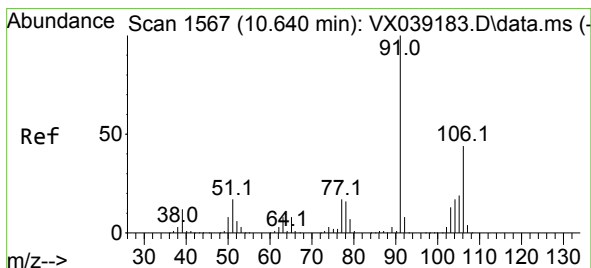
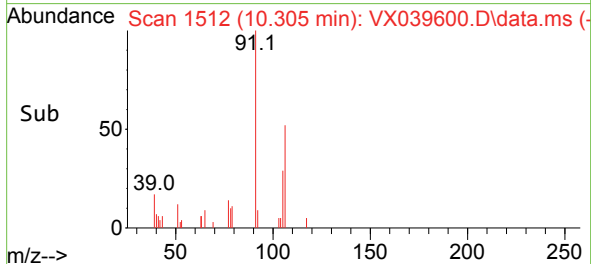
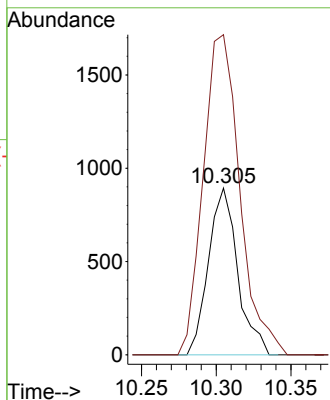
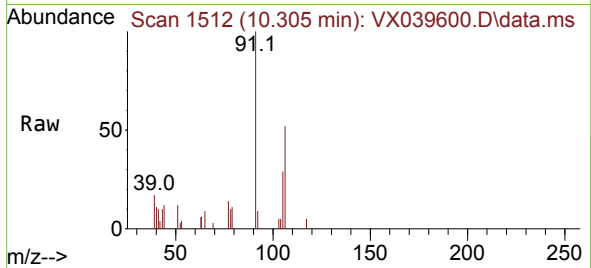




#68
m/p-Xylenes
Concen: 0.457 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX039600.D
Acq: 03 Jan 2024 14:28

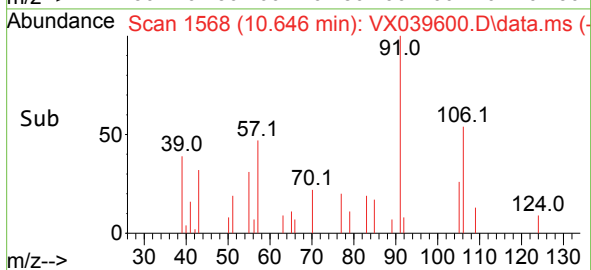
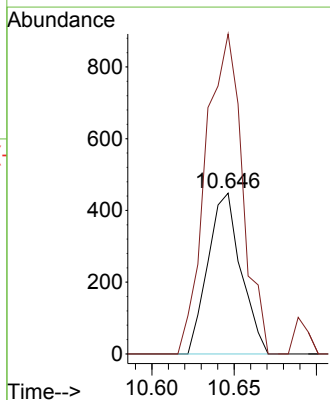
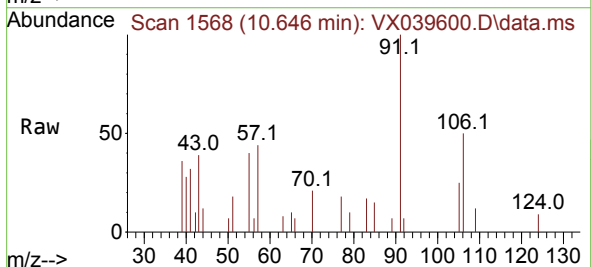
Instrument :
MSVOA_X
ClientSampleId :

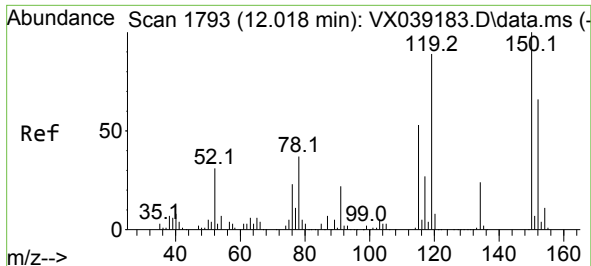
Tgt Ion:106 Resp: 1213
Ion Ratio Lower Upper
106 100
91 240.3 165.5 248.3



#69
o-Xylene
Concen: 0.244 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX039600.D
Acq: 03 Jan 2024 14:28

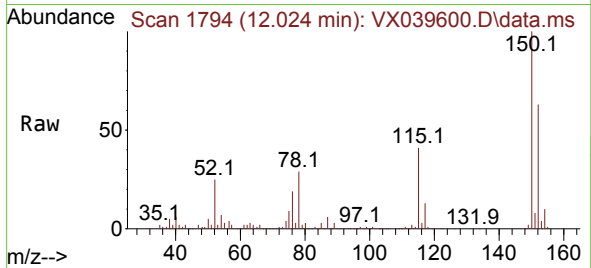
Tgt Ion:106 Resp: 625
Ion Ratio Lower Upper
106 100
91 221.8 108.9 326.8



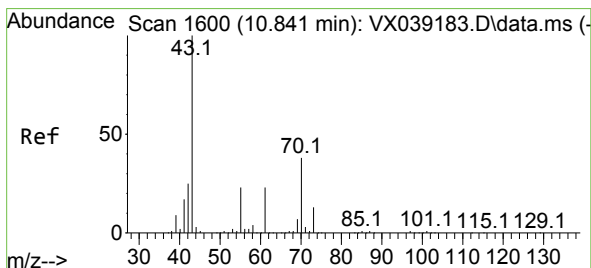
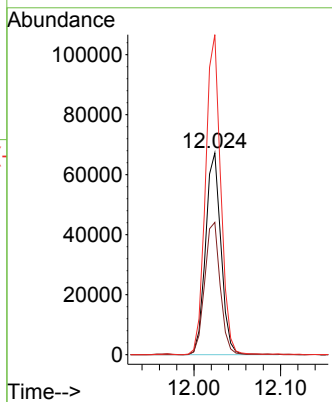
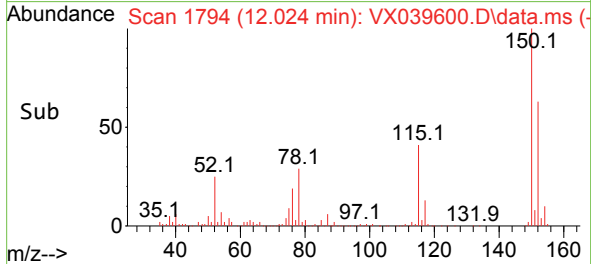


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.006 min
 Lab File: VX039600.D
 Acq: 03 Jan 2024 14:28

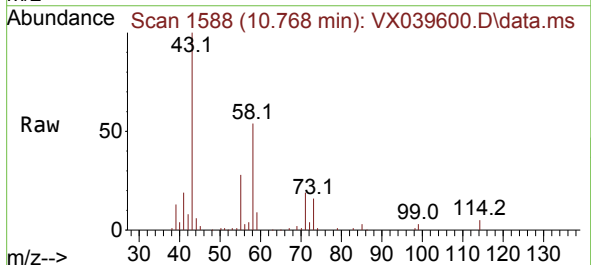
Instrument :
 MSVOA_X
 ClientSampleId :



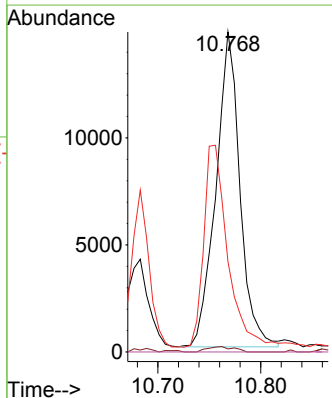
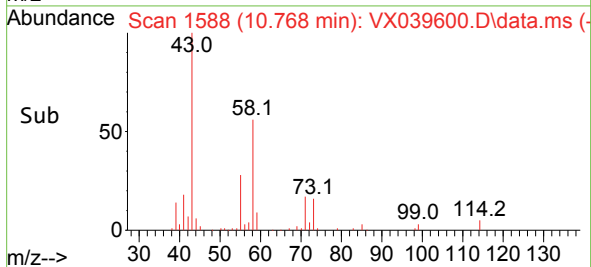
Tgt Ion:152 Resp: 83117
 Ion Ratio Lower Upper
 152 100
 115 66.0 43.3 129.9
 150 156.2 0.0 345.0

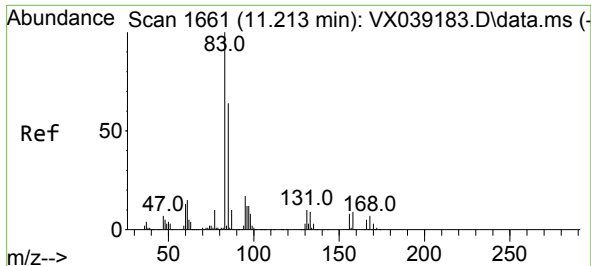


#74
 N-ethyl acetate
 Concen: 7.361 ug/l
 RT: 10.768 min Scan# 1588
 Delta R.T. -0.073 min
 Lab File: VX039600.D
 Acq: 03 Jan 2024 14:28



Tgt Ion: 43 Resp: 23882
 Ion Ratio Lower Upper
 43 100
 70 1.9 32.9 49.3#
 55 65.9 19.3 28.9#
 61 0.0 18.8 28.2#

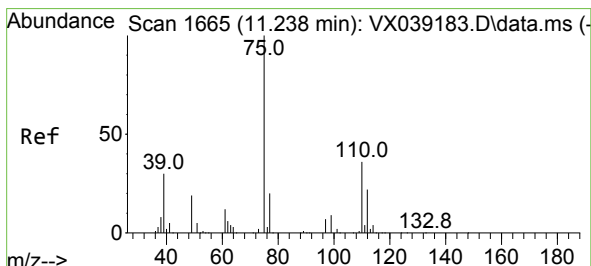
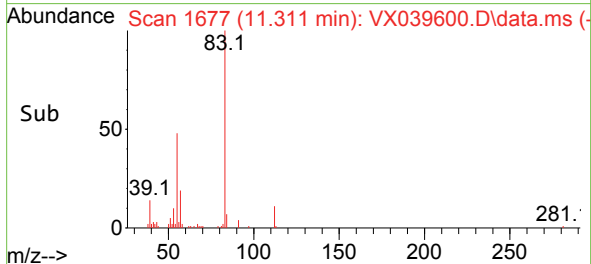
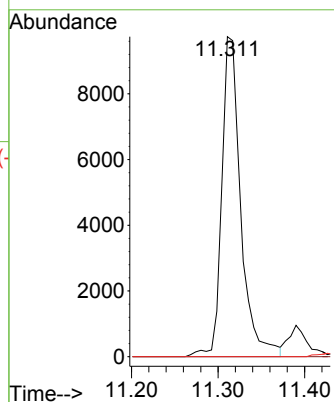
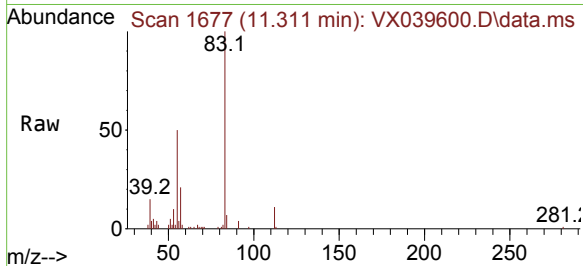




#75
1,1,2,2-Tetrachloroethane
Concen: 6.220 ug/l
RT: 11.311 min Scan# 1639
Delta R.T. 0.098 min
Lab File: VX039600.D
Acq: 03 Jan 2024 14:28

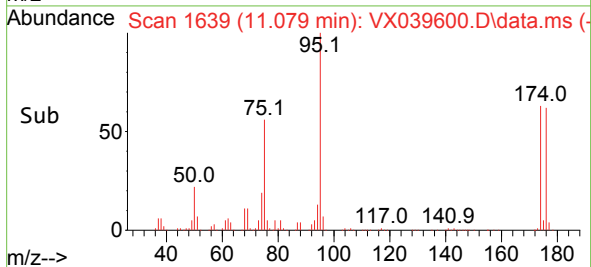
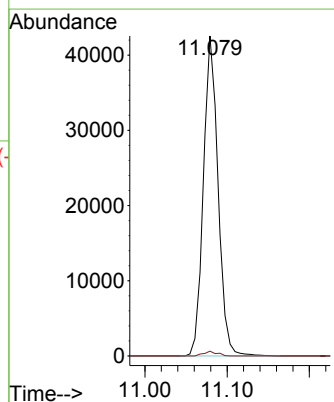
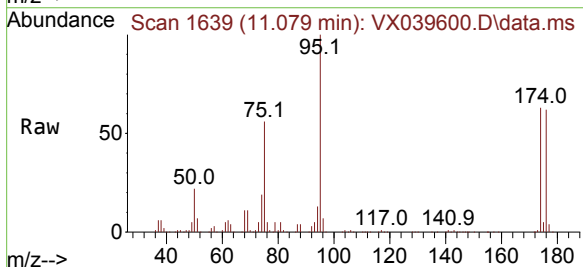
Instrument :
MSVOA_X
ClientSampleId :

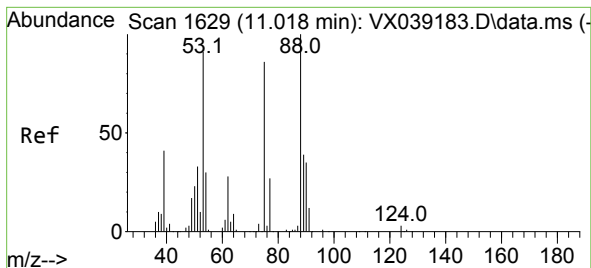
Tgt Ion: 83 Resp: 14838
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.8#
85 0.0 32.0 96.2#



#76
1,2,3-Trichloropropane
Concen: 24.476 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX039600.D
Acq: 03 Jan 2024 14:28

Tgt Ion: 75 Resp: 52633
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#

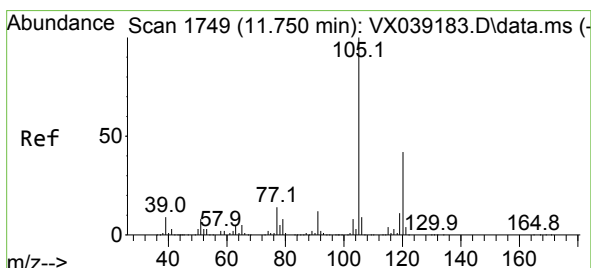
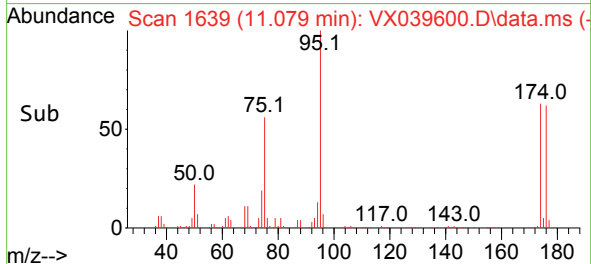
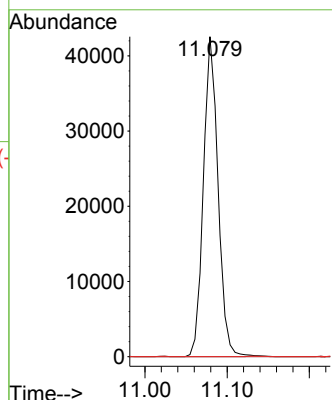
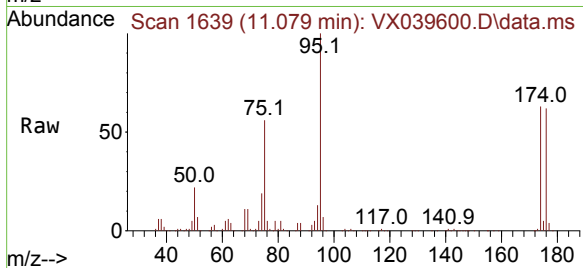




#81
trans-1,4-Dichloro-2-butene
Concen: 69.047 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX039600.D
Acq: 03 Jan 2024 14:28

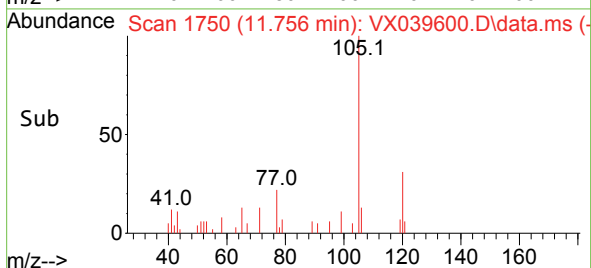
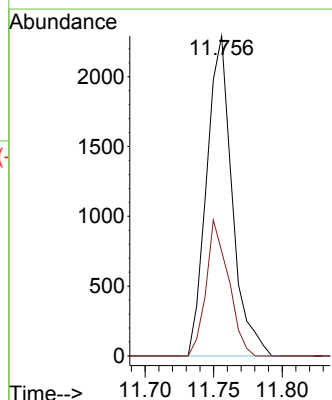
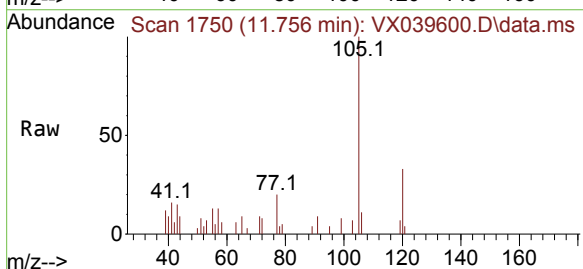
Instrument :
MSVOA_X
ClientSampleId :

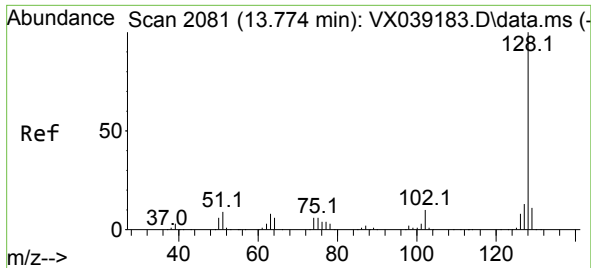
Tgt Ion: 75 Resp: 52633
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.529 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX039600.D
Acq: 03 Jan 2024 14:28

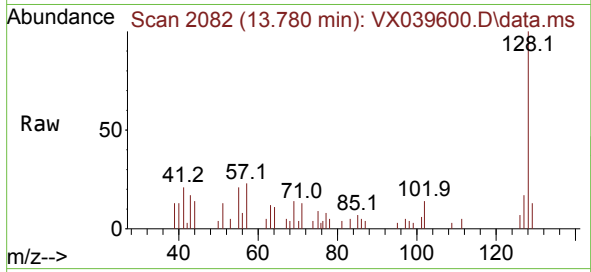
Tgt Ion: 105 Resp: 2966
Ion Ratio Lower Upper
105 100
120 37.3 21.2 63.6





#95
Naphthalene
Concen: 0.456 ug/l
RT: 13.780 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX039600.D
Acq: 03 Jan 2024 14:28

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	2773
Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.3	15.5
129	9.1	8.8	13.2

