

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010324\
 Data File : VX039603.D
 Acq On : 03 Jan 2024 15:36
 Operator : JC/MD
 Sample : P1002-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 04 03:33:20 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)

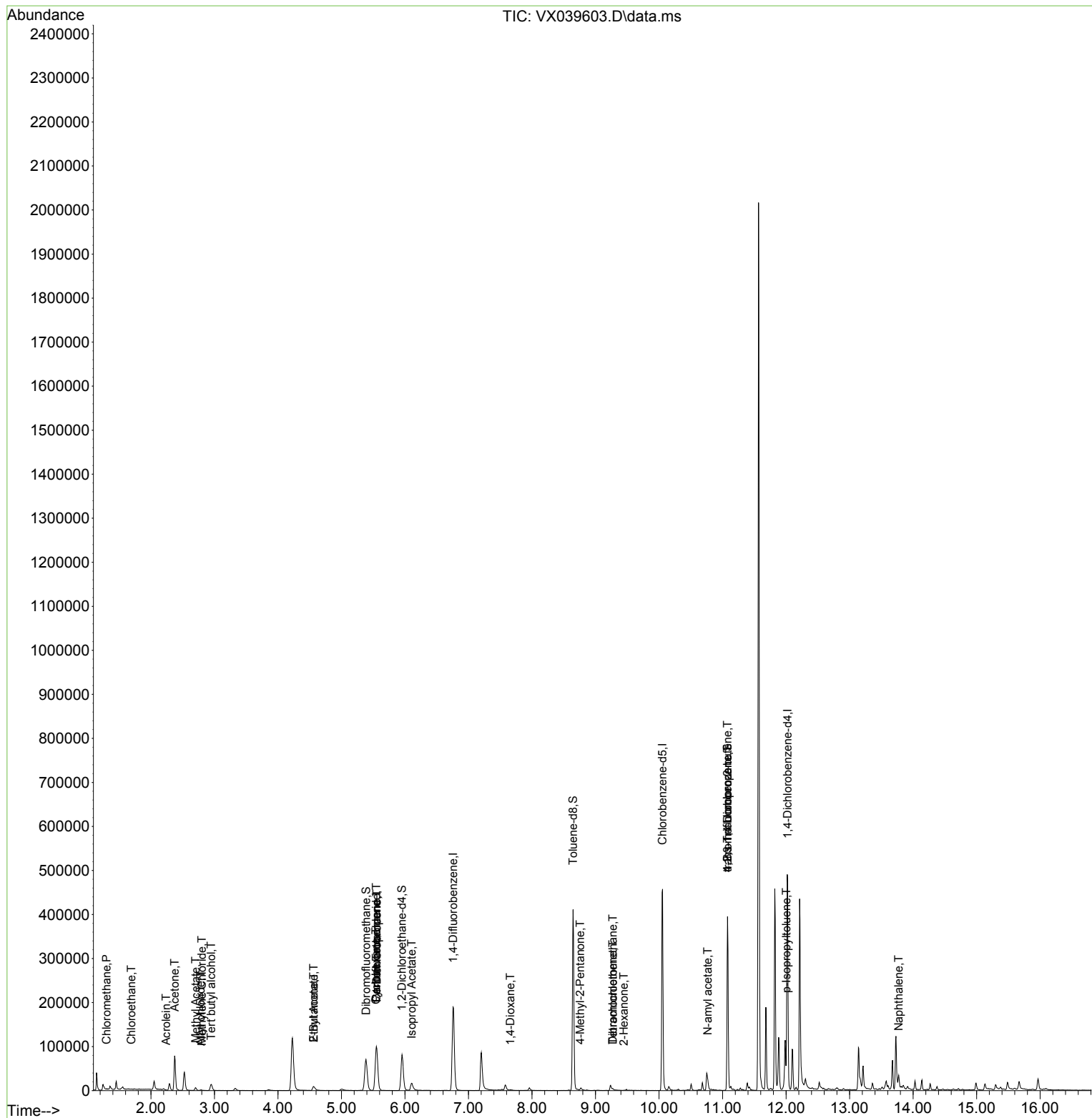
Internal Standards						
1) Pentafluorobenzene	5.550	168	88607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	186789	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	200015	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93164	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	76620	47.203	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.400%
35) Dibromofluoromethane	5.385	113	62514	48.444	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.880%
50) Toluene-d8	8.647	98	238013	49.682	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.360%
62) 4-Bromofluorobenzene	11.079	95	107640	54.456	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	108.920%
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	331	0.240	ug/l #	87
6) Chloroethane	1.691	64	255	0.330	ug/l #	43
11) Tert butyl alcohol	2.947	59	17288	42.412	ug/l #	90
13) Acrolein	2.239	56	292	0.898	ug/l #	14
14) Allyl chloride	2.782	41	595	0.258	ug/l #	60
16) Acetone	2.374	43	81176	69.011	ug/l	96
18) Methyl Acetate	2.703	43	7511	2.139	ug/l	97
20) Methylene Chloride	2.800	84	397	0.293	ug/l #	65
25) 2-Butanone	4.562	43	16457	11.749	ug/l	97
31) Cyclohexane	5.544	56	2383	1.137	ug/l #	10
36) 1,1-Dichloropropene	5.556	75	8718	4.281	ug/l #	51
37) Ethyl Acetate	4.562	43	16457	6.541	ug/l #	69
38) Carbon Tetrachloride	5.550	117	9936	5.113	ug/l #	13
43) Isopropyl Acetate	6.105	43	14904	3.643	ug/l #	62
49) 1,4-Dioxane	7.659	88	461	14.299	ug/l #	82
51) 4-Methyl-2-Pentanone	8.757	43	522	0.200	ug/l	94
59) 2-Hexanone	9.445	43	740	0.329	ug/l #	41
60) Dibromochloromethane	9.275	129	365	0.249	ug/l #	11
64) Tetrachloroethene	9.275	164	391	0.299	ug/l	90
74) N-amyl acetate	10.768	43	15896	4.371	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	58380	24.221	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	58380	68.327	ug/l #	5
86) p-Isopropyltoluene	12.006	119	2432	0.391	ug/l #	72
95) Naphthalene	13.774	128	1631	0.239	ug/l #	95

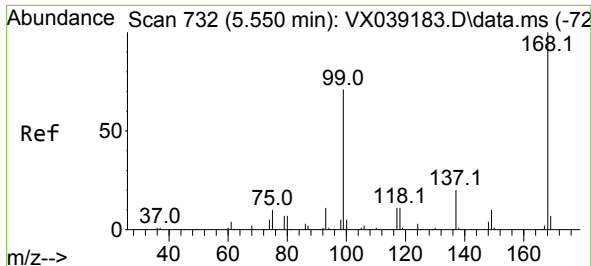
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

Quant Time: Jan 04 03:33:20 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



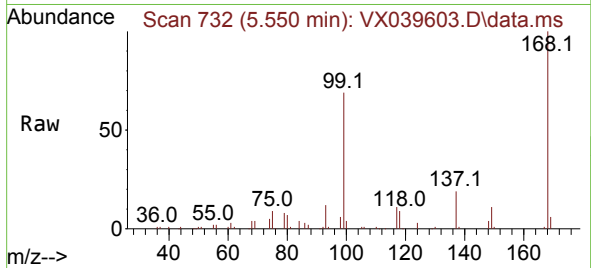


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039603.D
Acq: 03 Jan 2024 15:36

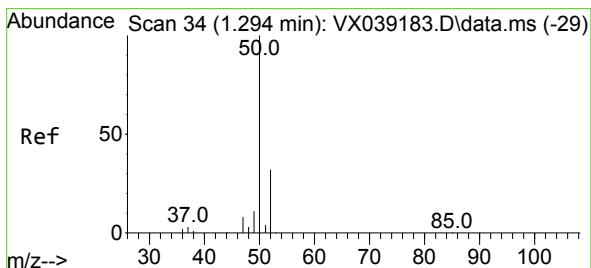
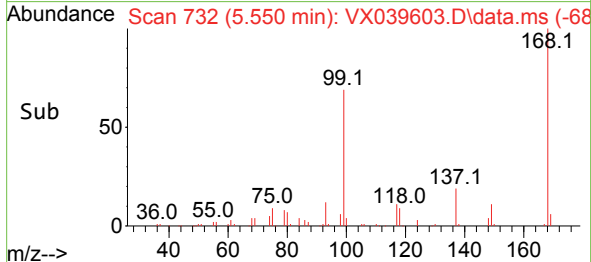
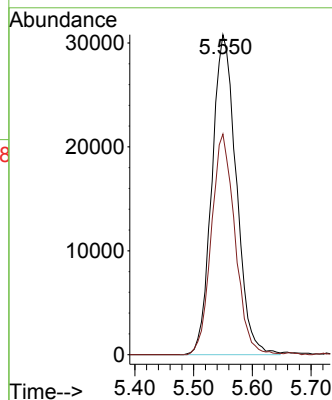
Instrument :

MSVOA_X

ClientSampleId :

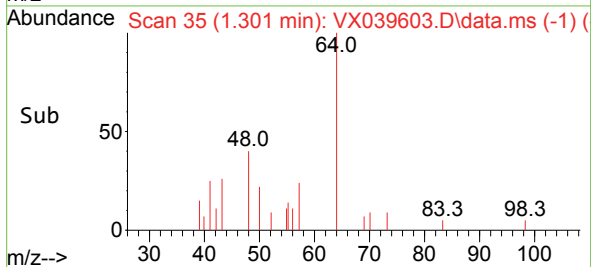
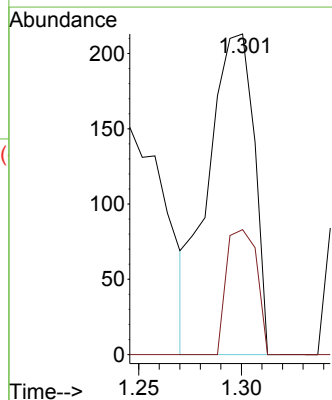
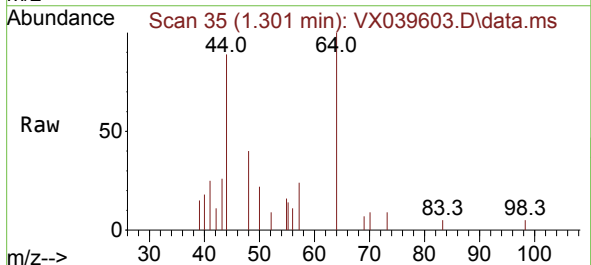


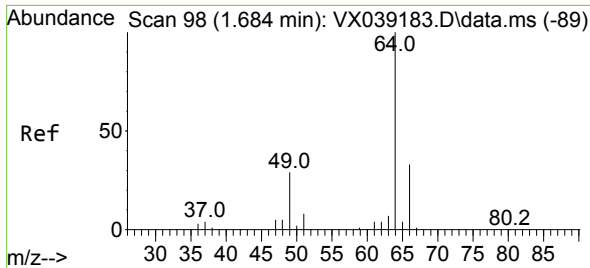
Tgt Ion:168 Resp: 88607
Ion Ratio Lower Upper
168 100
99 69.0 56.6 85.0



#3
Chloromethane
Concen: 0.240 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX039603.D
Acq: 03 Jan 2024 15:36

Tgt Ion: 50 Resp: 331
Ion Ratio Lower Upper
50 100
52 39.0 25.5 38.3#

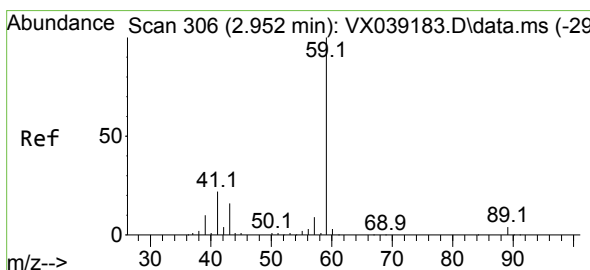
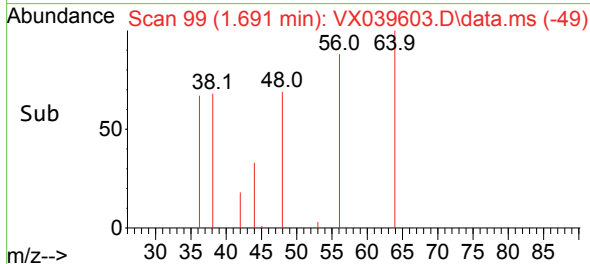
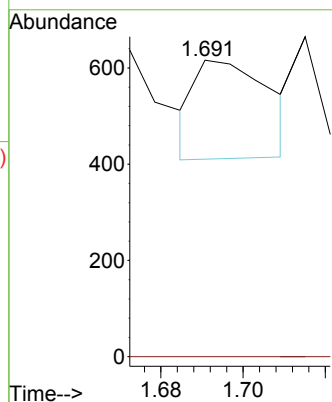
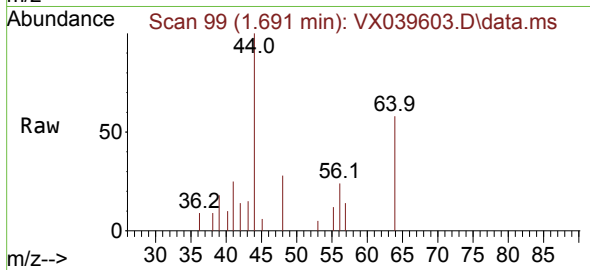




#6
Chloroethane
Concen: 0.330 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX039603.D
Acq: 03 Jan 2024 15:36

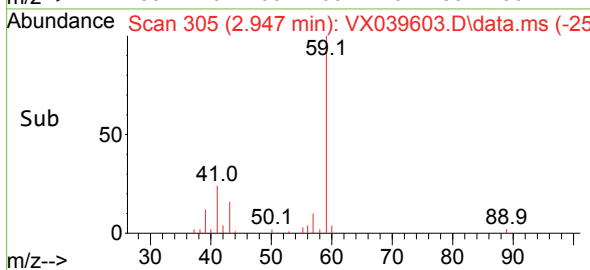
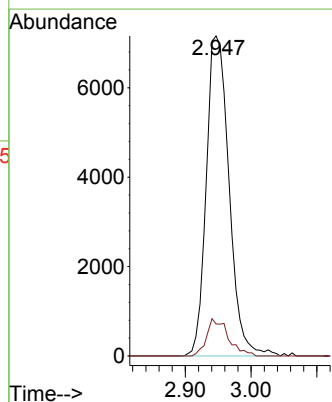
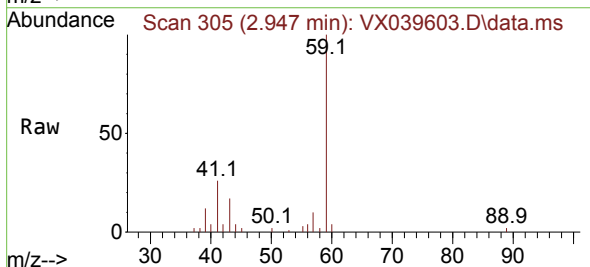
Instrument :
MSVOA_X
ClientSampleId :

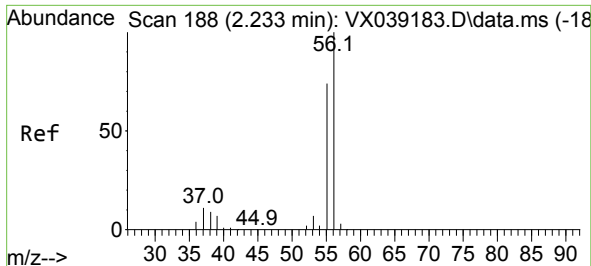
Tgt Ion: 64 Resp: 255
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 42.412 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX039603.D
Acq: 03 Jan 2024 15:36

Tgt Ion: 59 Resp: 17288
Ion Ratio Lower Upper
59 100
57 11.0 6.0 9.0#





#13

Acrolein

Concen: 0.898 ug/l

RT: 2.239 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX039603.D

Acq: 03 Jan 2024 15:36

Instrument :

MSVOA_X

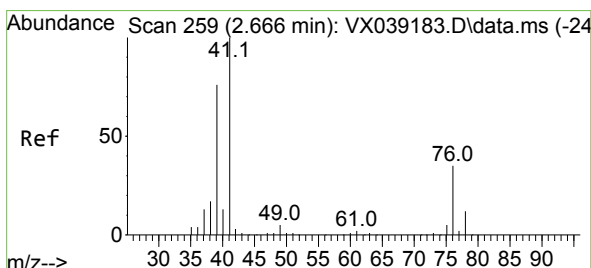
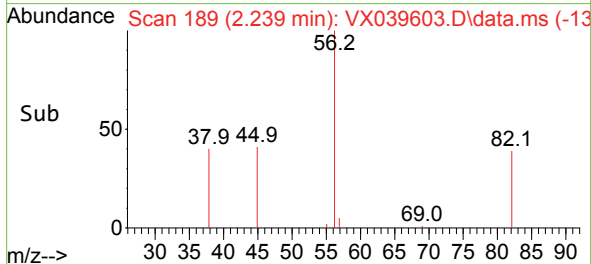
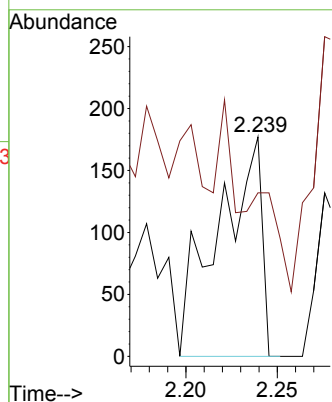
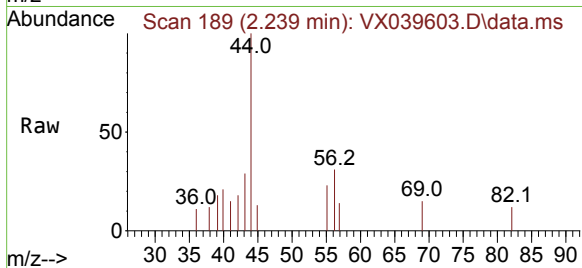
ClientSampleId :

Tgt Ion: 56 Resp: 292

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#14

Allyl chloride

Concen: 0.258 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.116 min

Lab File: VX039603.D

Acq: 03 Jan 2024 15:36

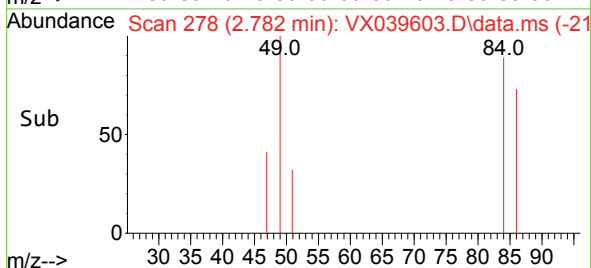
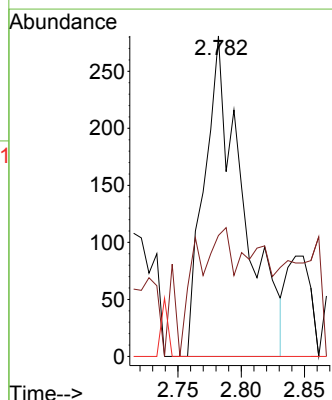
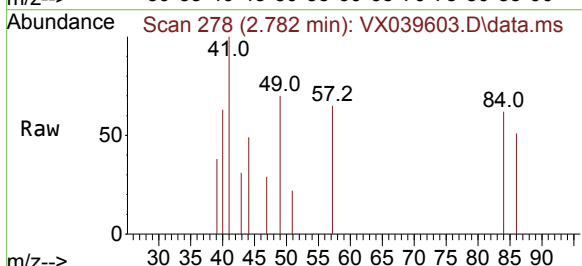
Tgt Ion: 41 Resp: 595

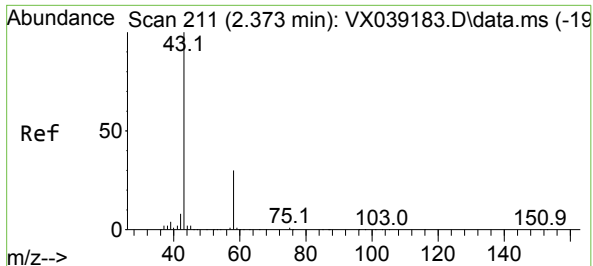
Ion Ratio Lower Upper

41 100

39 42.9 55.8 83.6#

76 0.0 24.3 36.5#

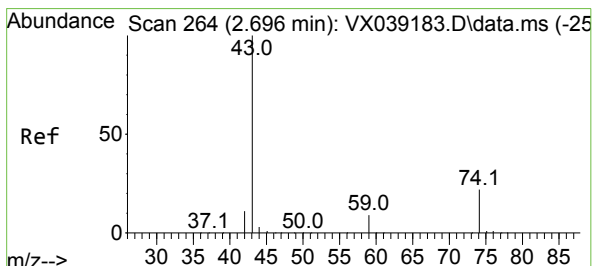
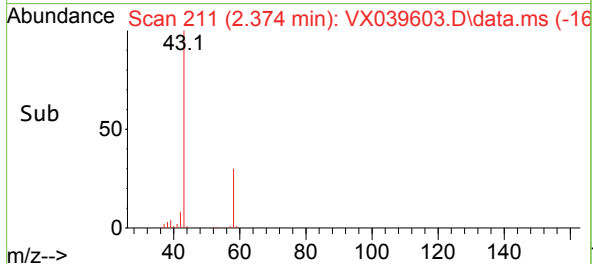
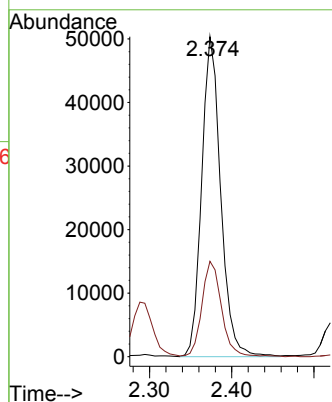
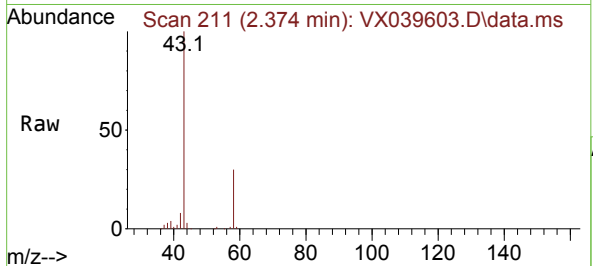




#16
Acetone
Concen: 69.011 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.001 min
Lab File: VX039603.D
Acq: 03 Jan 2024 15:36

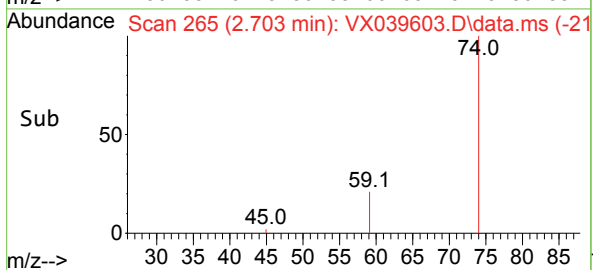
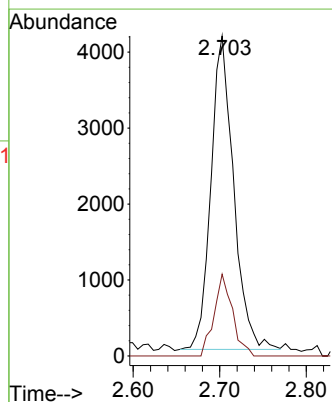
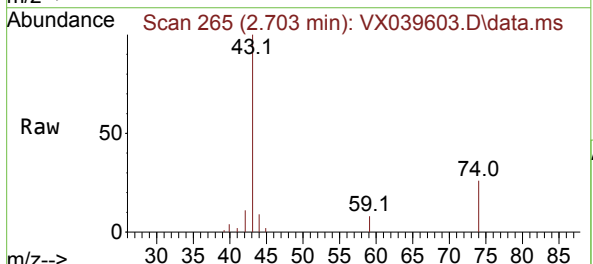
Instrument :
MSVOA_X
ClientSampleId :

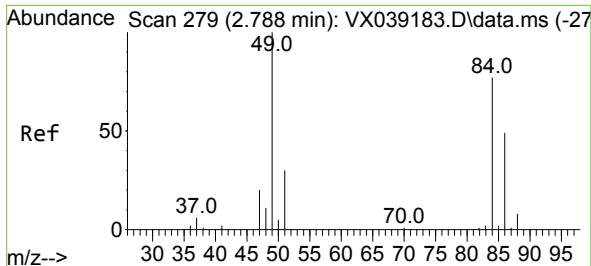
Tgt Ion: 43 Resp: 81176
Ion Ratio Lower Upper
43 100
58 29.7 21.9 32.9



#18
Methyl Acetate
Concen: 2.139 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX039603.D
Acq: 03 Jan 2024 15:36

Tgt Ion: 43 Resp: 7511
Ion Ratio Lower Upper
43 100
74 21.1 17.8 26.8





#20

Methylene Chloride

Concen: 0.293 ug/l

RT: 2.800 min Scan# 21

Delta R.T. 0.012 min

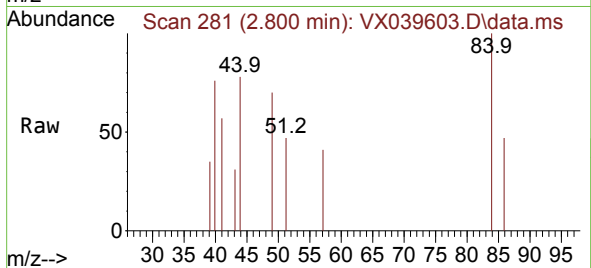
Lab File: VX039603.D

Acq: 03 Jan 2024 15:36

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 397

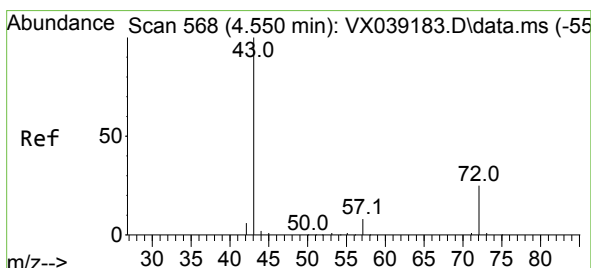
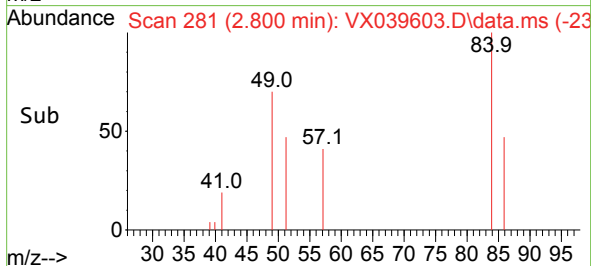
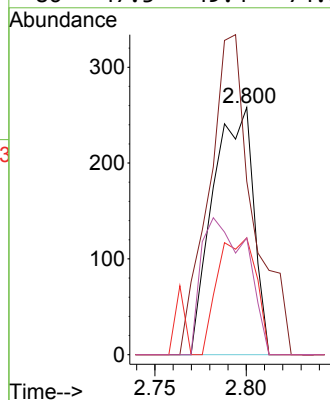
Ion	Ratio	Lower	Upper
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84	100		
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49	70.2	103.6	155.4#
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51	47.3	33.8	50.6
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86	47.3	49.4	74.0#
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#25

2-Butanone

Concen: 11.749 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.012 min

Lab File: VX039603.D

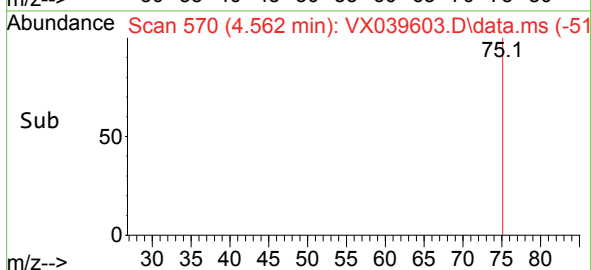
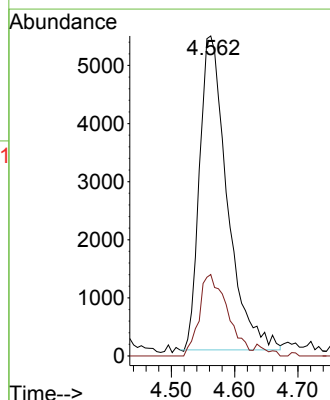
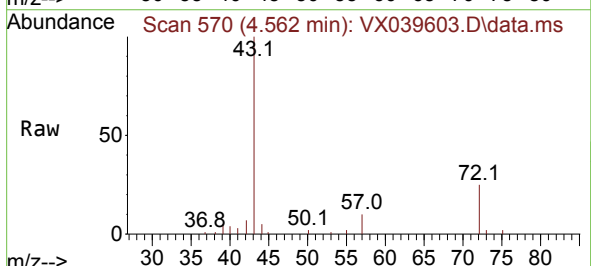
Acq: 03 Jan 2024 15:36

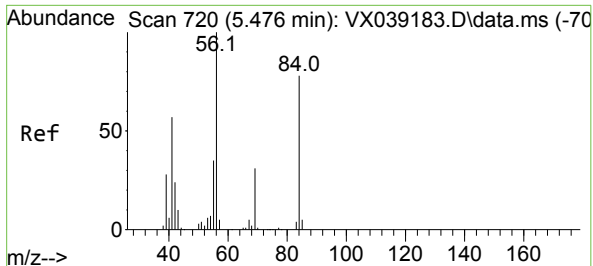
Tgt Ion: 43 Resp: 16457

Ion	Ratio	Lower	Upper
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43	100		
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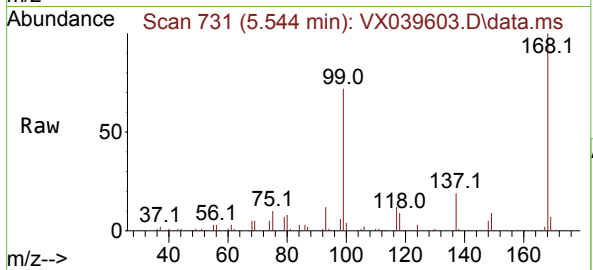
72	25.9	19.4	29.2
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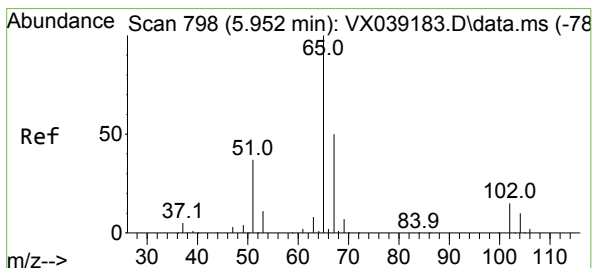
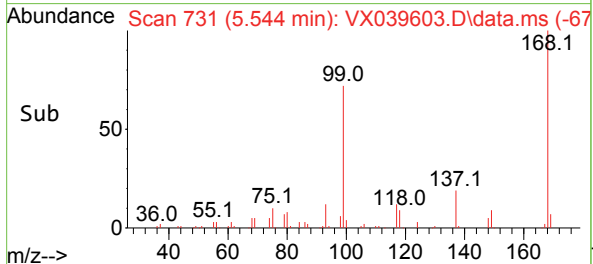
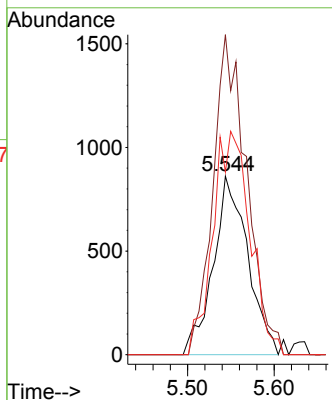


#31
Cyclohexane
Concen: 1.137 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.067 min
Lab File: VX039603.D
Acq: 03 Jan 2024 15:36

Instrument :
MSVOA_X
ClientSampleId :

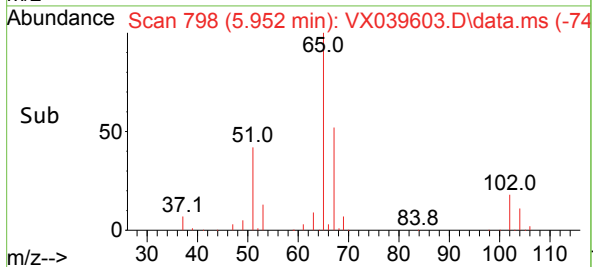
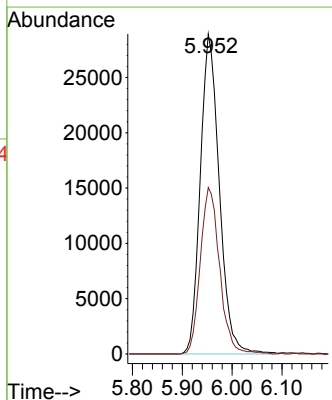
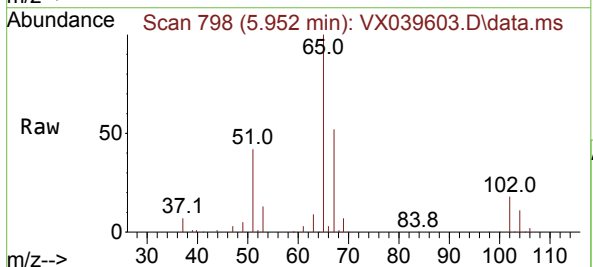


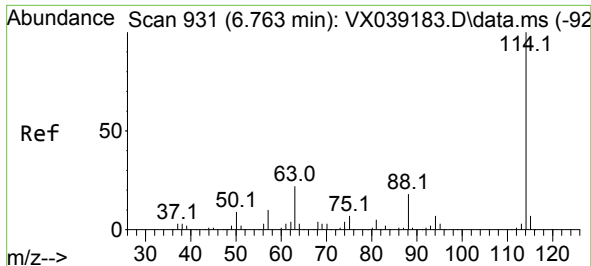
Tgt Ion: 56 Resp: 2383
Ion Ratio Lower Upper
56 100
69 179.1 23.4 35.2#
84 102.2 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.203 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039603.D
Acq: 03 Jan 2024 15:36

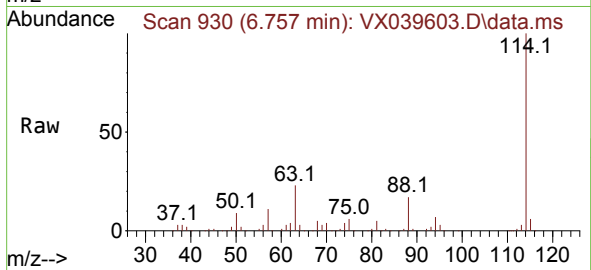
Tgt Ion: 65 Resp: 76620
Ion Ratio Lower Upper
65 100
67 52.7 0.0 100.2



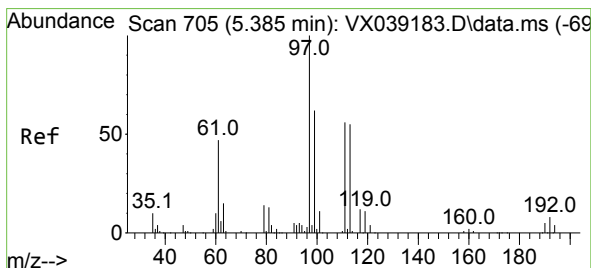
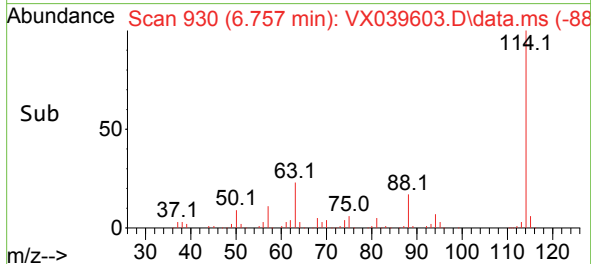
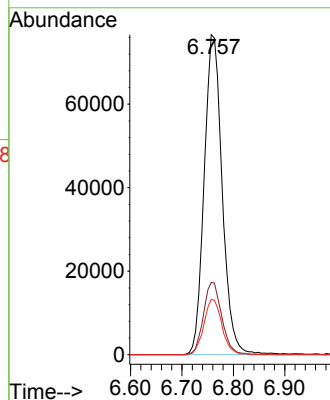


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX039603.D
Acq: 03 Jan 2024 15:36

Instrument :
MSVOA_X
ClientSampleId :

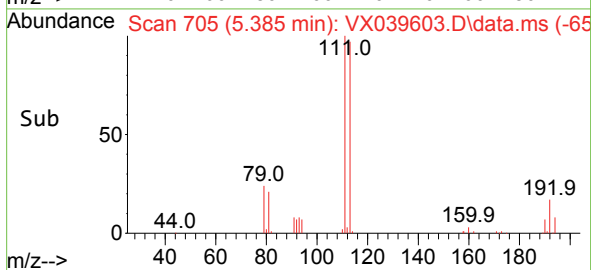
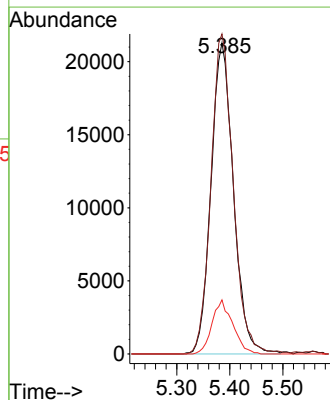
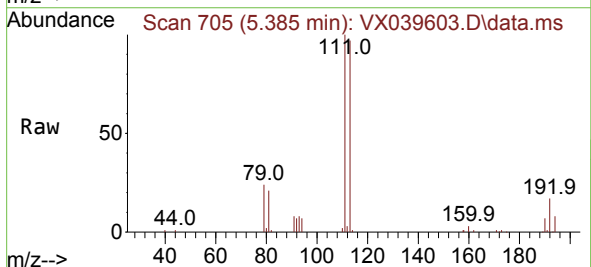


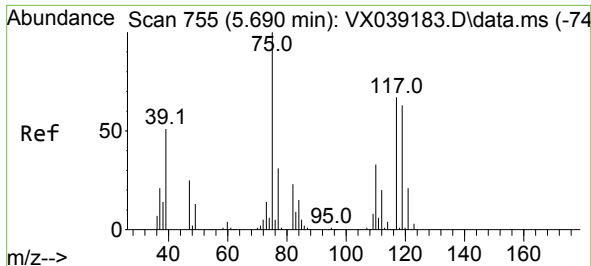
Tgt Ion:114 Resp: 186789
Ion Ratio Lower Upper
114 100
63 22.6 0.0 45.0
88 17.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.444 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039603.D
Acq: 03 Jan 2024 15:36

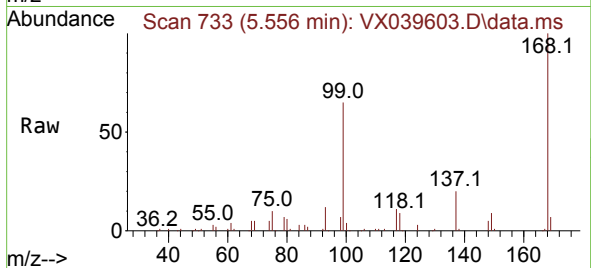
Tgt Ion:113 Resp: 62514
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 16.1 13.3 19.9



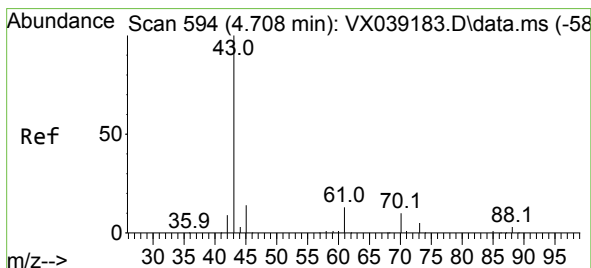
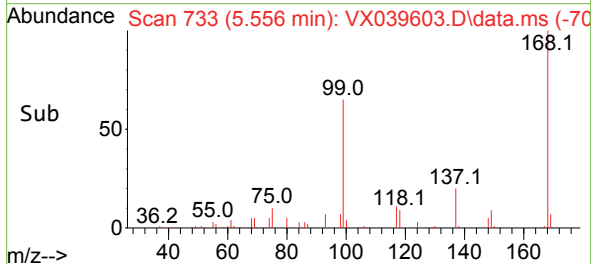
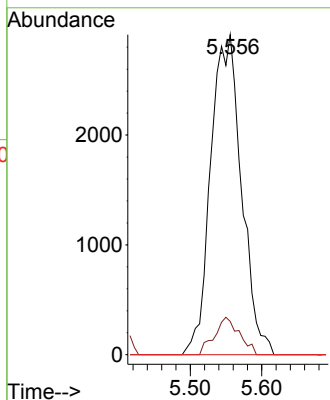


#36
1,1-Dichloropropene
Concen: 4.281 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX039603.D
Acq: 03 Jan 2024 15:36

Instrument :
MSVOA_X
ClientSampleId :

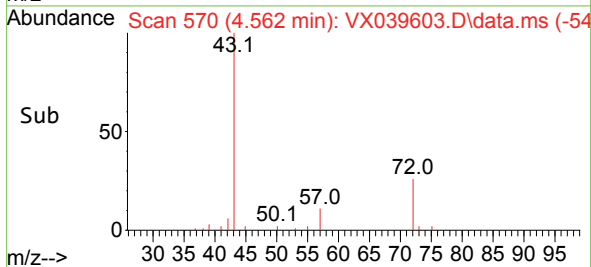
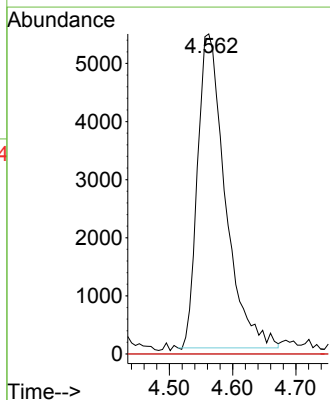
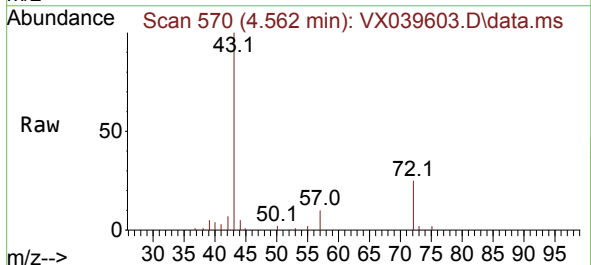


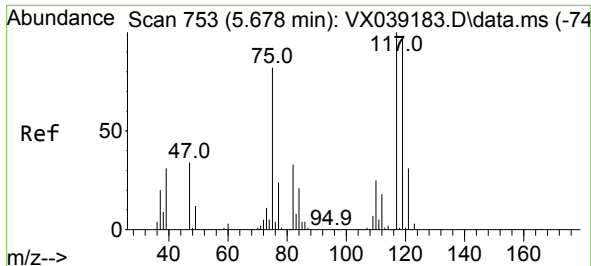
Tgt Ion: 75 Resp: 8718
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 6.541 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.146 min
Lab File: VX039603.D
Acq: 03 Jan 2024 15:36

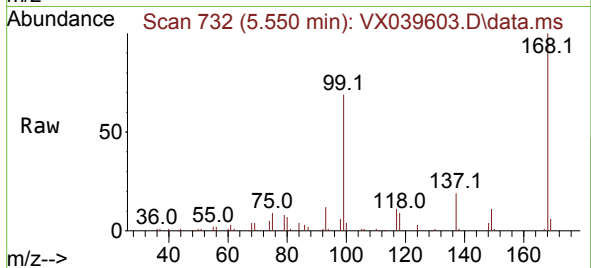
Tgt Ion: 43 Resp: 16457
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



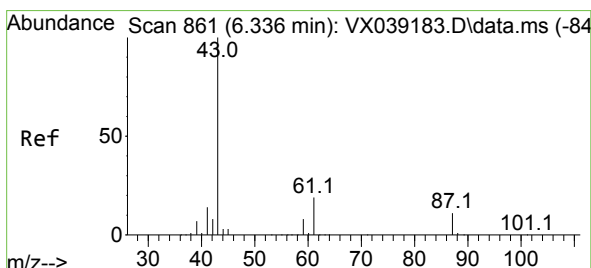
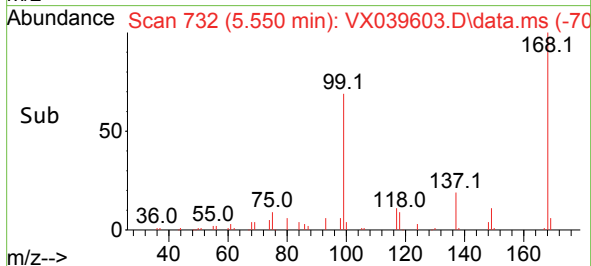
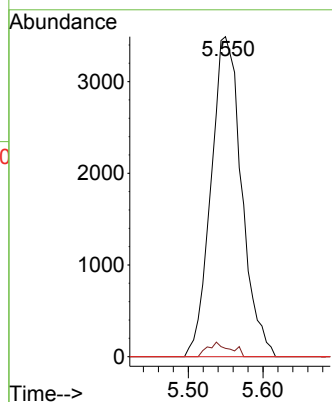


#38
Carbon Tetrachloride
Concen: 5.113 ug/l
RT: 5.550 min Scan# 713
Delta R.T. -0.128 min
Lab File: VX039603.D
Acq: 03 Jan 2024 15:36

Instrument :
MSVOA_X
ClientSampleId :

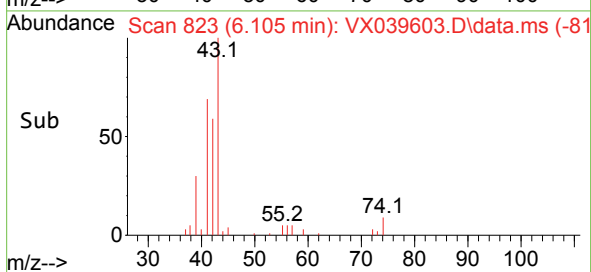
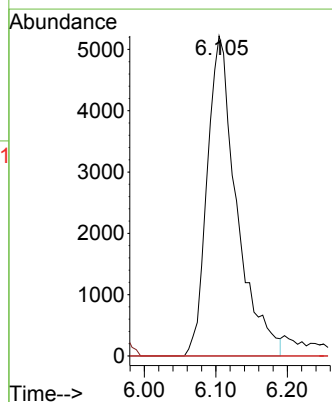
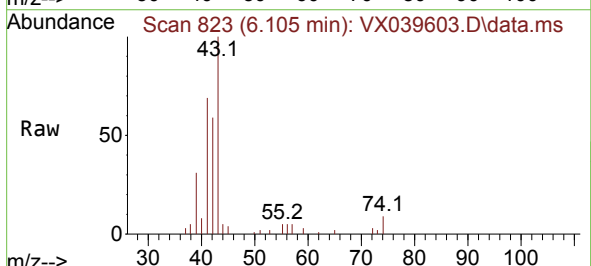


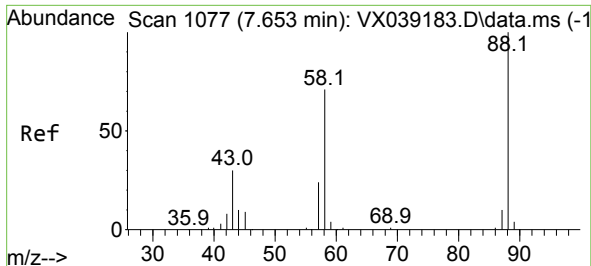
Tgt Ion:117 Resp: 9936
Ion Ratio Lower Upper
117 100
119 2.6 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 3.643 ug/l
RT: 6.105 min Scan# 823
Delta R.T. -0.231 min
Lab File: VX039603.D
Acq: 03 Jan 2024 15:36

Tgt Ion: 43 Resp: 14904
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: 14.299 ug/l

RT: 7.659 min Scan# 1077

Delta R.T. 0.006 min

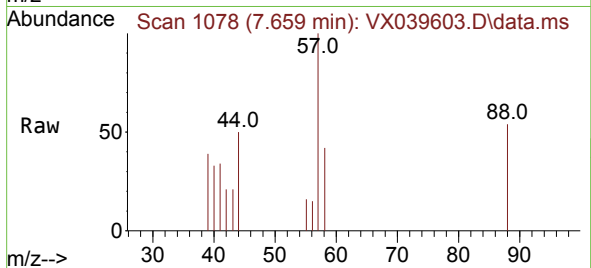
Lab File: VX039603.D

Acq: 03 Jan 2024 15:36

Instrument :

MSVOA_X

ClientSampleId :



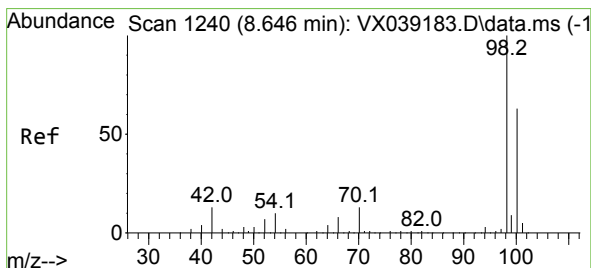
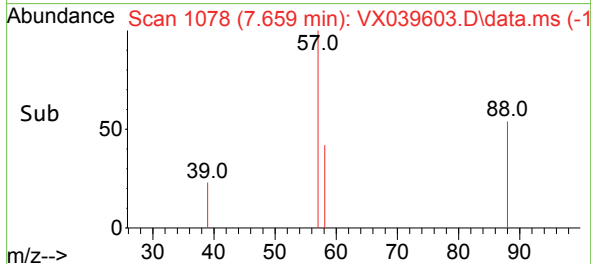
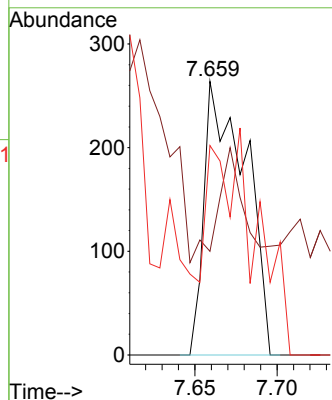
Tgt Ion: 88 Resp: 461

Ion Ratio Lower Upper

88 100

43 18.4 0.0 0.0#

58 90.2 60.1 90.1#



#50

Toluene-d8

Concen: 49.682 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX039603.D

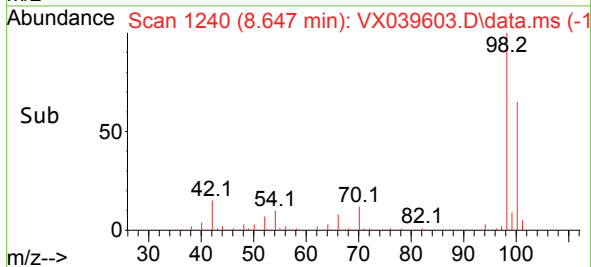
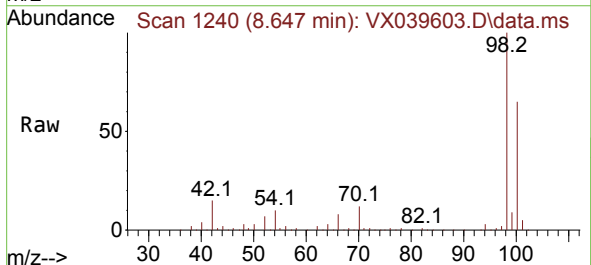
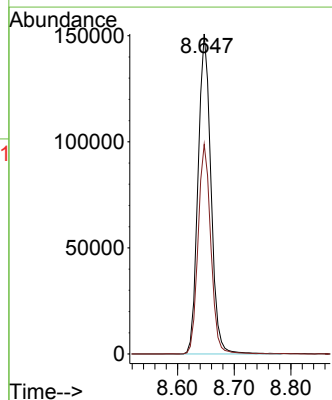
Acq: 03 Jan 2024 15:36

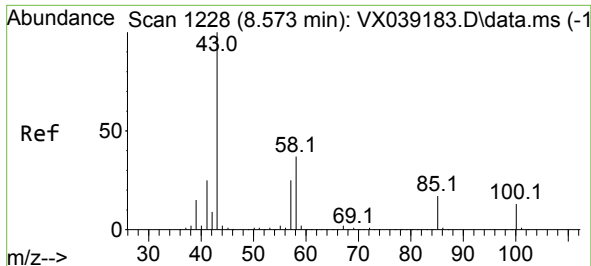
Tgt Ion: 98 Resp: 238013

Ion Ratio Lower Upper

98 100

100 64.6 53.1 79.7

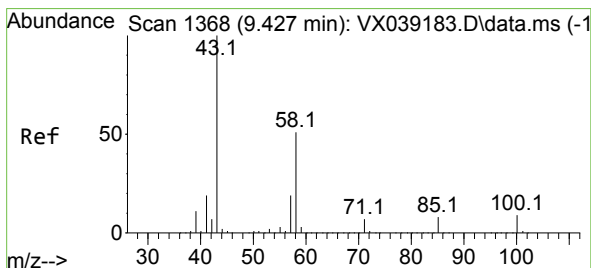
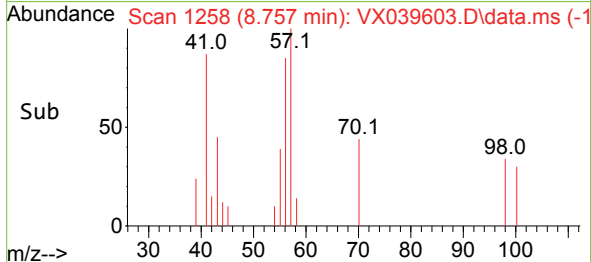
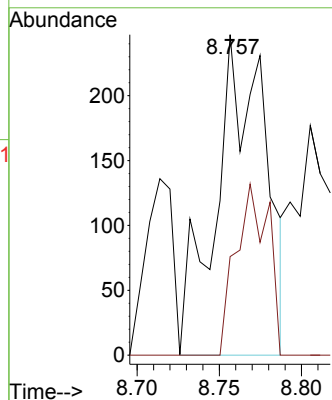
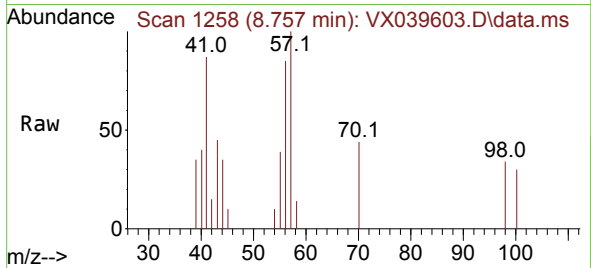




#51
4-Methyl-2-Pentanone
Concen: 0.200 ug/l
RT: 8.757 min Scan# 11
Delta R.T. 0.183 min
Lab File: VX039603.D
Acq: 03 Jan 2024 15:36

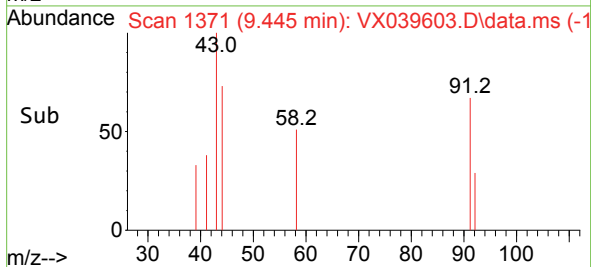
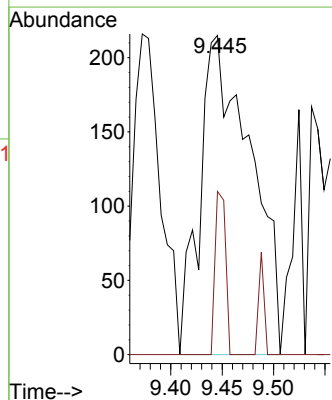
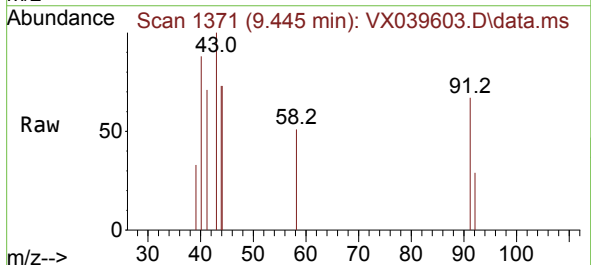
Instrument :
MSVOA_X
ClientSampleId :

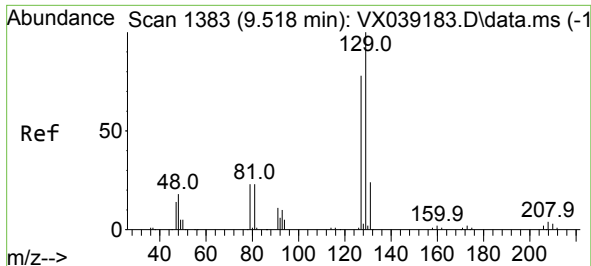
Tgt Ion: 43 Resp: 522
Ion Ratio Lower Upper
43 100
58 34.7 30.4 45.6



#59
2-Hexanone
Concen: 0.329 ug/l
RT: 9.445 min Scan# 1371
Delta R.T. 0.019 min
Lab File: VX039603.D
Acq: 03 Jan 2024 15:36

Tgt Ion: 43 Resp: 740
Ion Ratio Lower Upper
43 100
58 10.5 26.2 78.5#

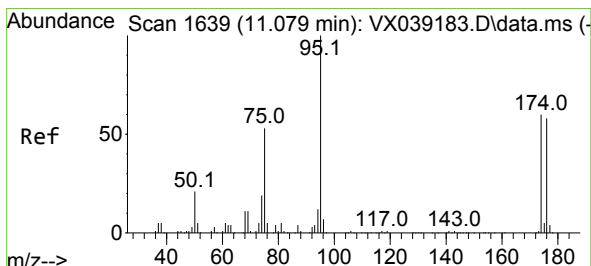
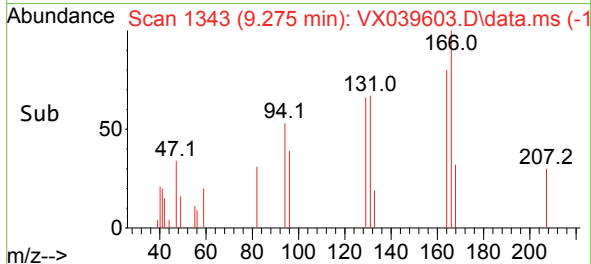
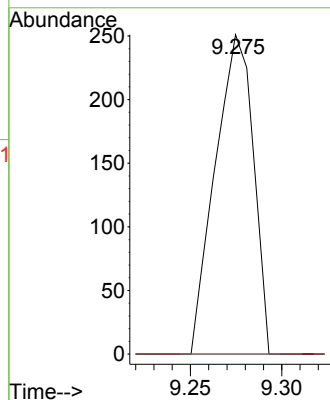
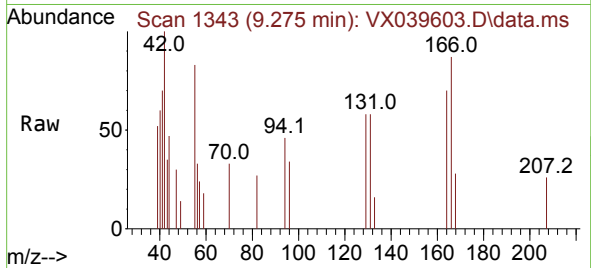




#60
Dibromochloromethane
Concen: 0.249 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX039603.D
Acq: 03 Jan 2024 15:36

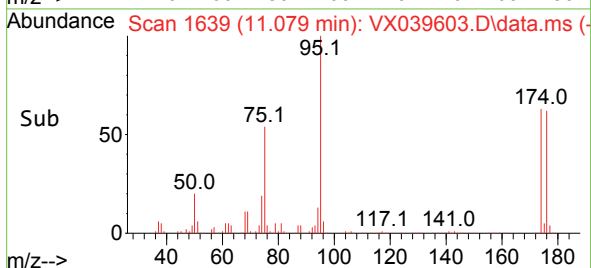
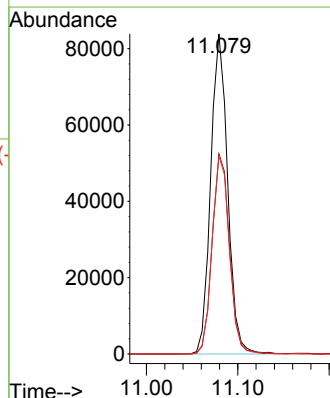
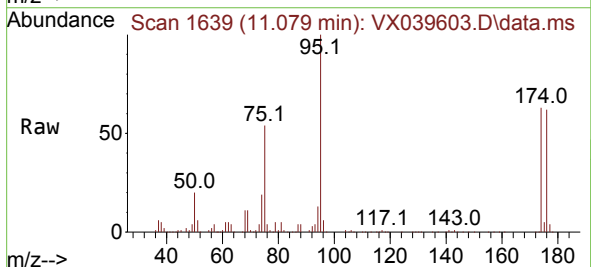
Instrument :
MSVOA_X
ClientSampleId :

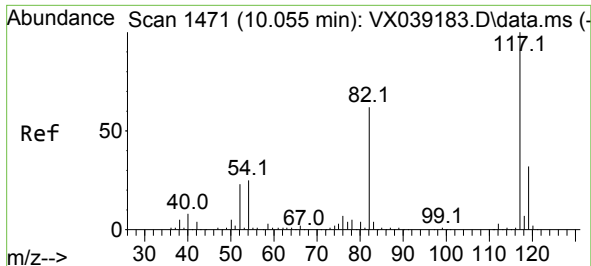
Tgt Ion:129 Resp: 365
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 54.456 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039603.D
Acq: 03 Jan 2024 15:36

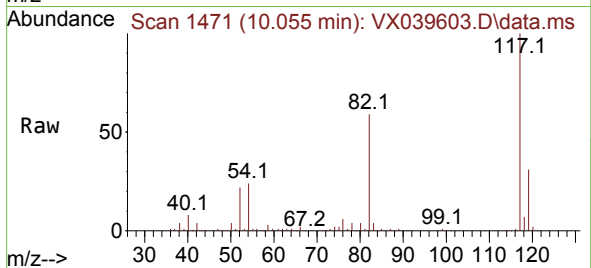
Tgt Ion: 95 Resp: 107640
Ion Ratio Lower Upper
95 100
174 63.7 0.0 135.6
176 63.2 0.0 131.0



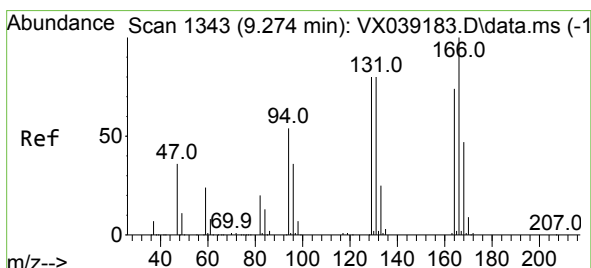
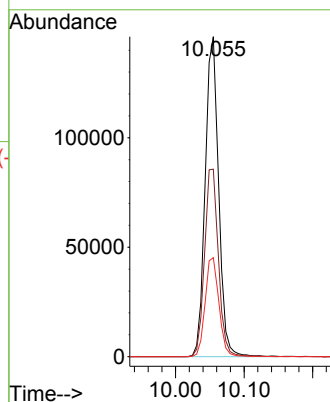
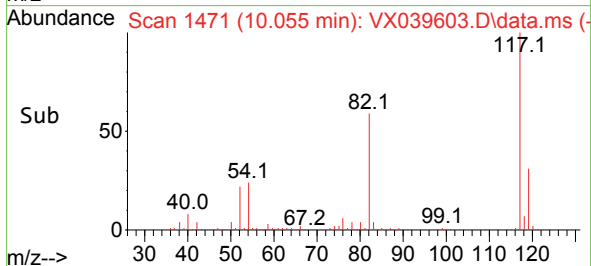


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039603.D
Acq: 03 Jan 2024 15:36

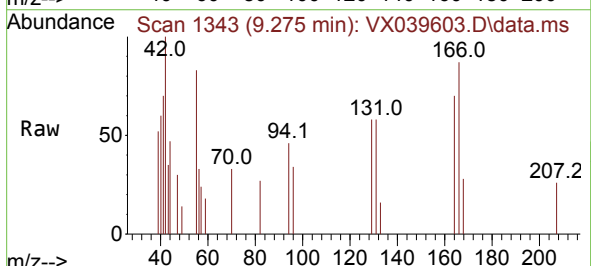
Instrument :
MSVOA_X
ClientSampleId :



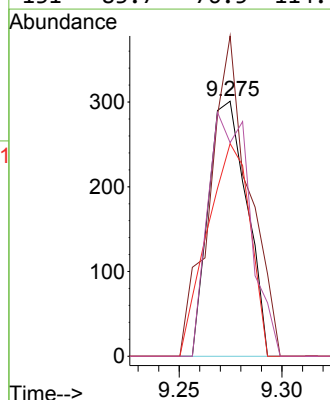
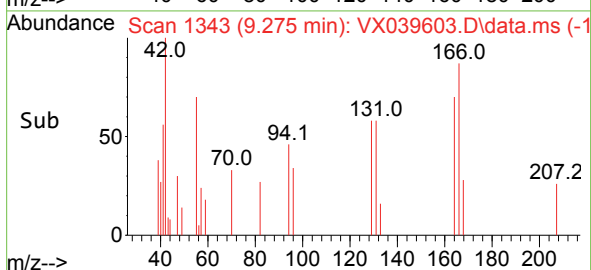
Tgt Ion:117 Resp: 200015
Ion Ratio Lower Upper
117 100
82 58.6 46.2 69.4
119 30.9 25.5 38.3

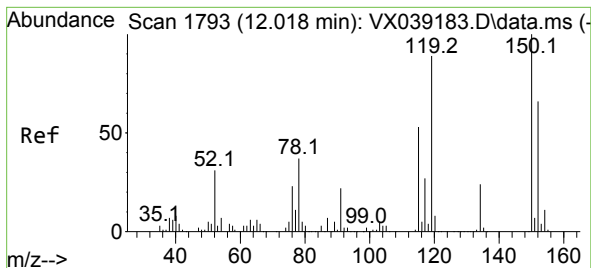


#64
Tetrachloroethene
Concen: 0.299 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX039603.D
Acq: 03 Jan 2024 15:36



Tgt Ion:164 Resp: 391
Ion Ratio Lower Upper
164 100
166 125.6 102.7 154.1
129 83.4 80.4 120.6
131 83.7 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039603.D

Acq: 03 Jan 2024 15:36

Instrument :

MSVOA_X

ClientSampleId :

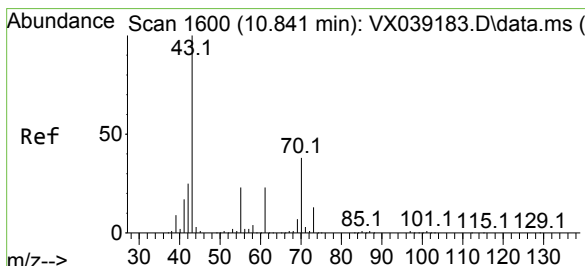
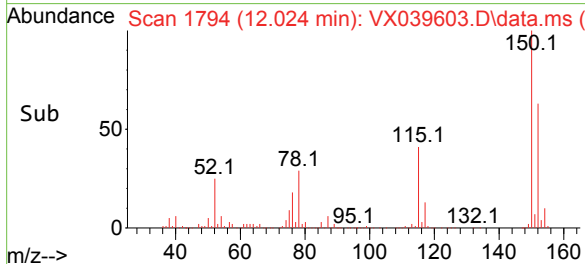
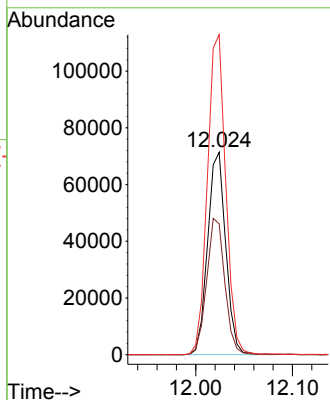
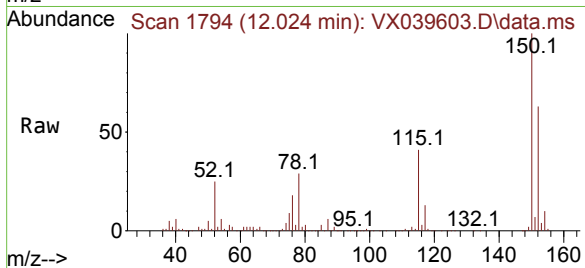
Tgt Ion:152 Resp: 93164

Ion Ratio Lower Upper

152 100

115 67.6 43.3 129.9

150 159.9 0.0 345.0



#74

N-ethyl acetate

Concen: 4.371 ug/l

RT: 10.768 min Scan# 1588

Delta R.T. -0.073 min

Lab File: VX039603.D

Acq: 03 Jan 2024 15:36

Tgt Ion: 43 Resp: 15896

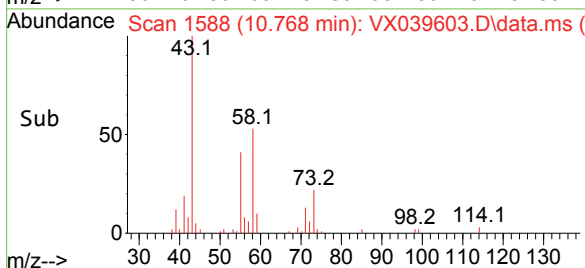
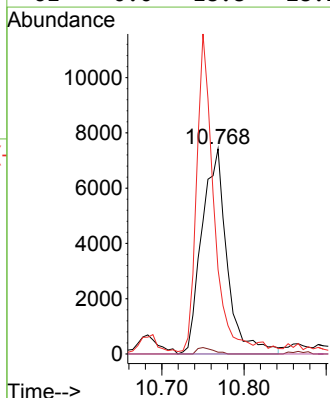
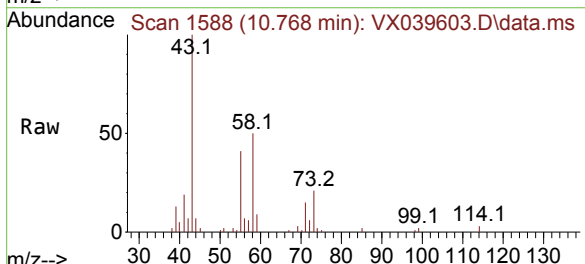
Ion Ratio Lower Upper

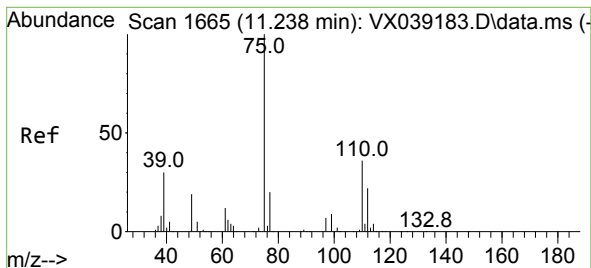
43 100

70 2.0 32.9 49.3#

55 103.2 19.3 28.9#

61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 24.221 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039603.D

Acq: 03 Jan 2024 15:36

Instrument :

MSVOA_X

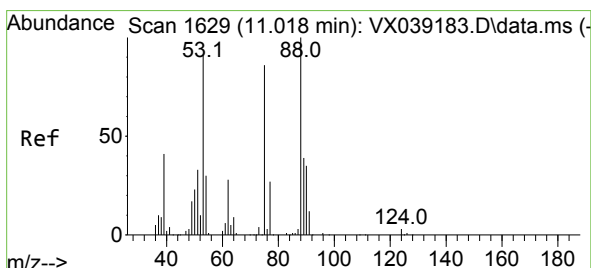
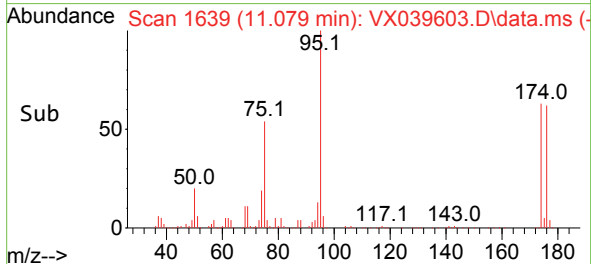
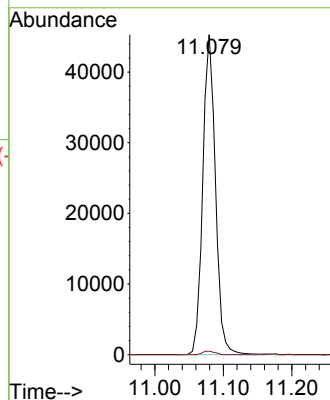
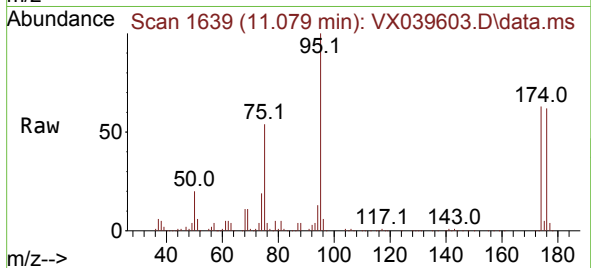
ClientSampleId :

Tgt Ion: 75 Resp: 58380

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.327 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039603.D

Acq: 03 Jan 2024 15:36

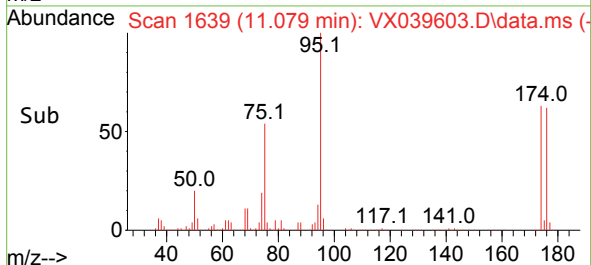
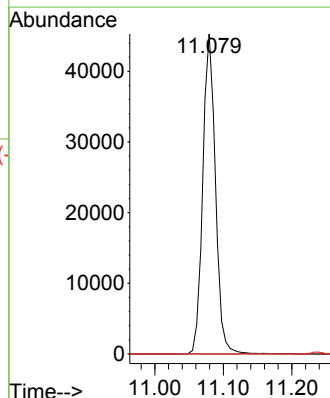
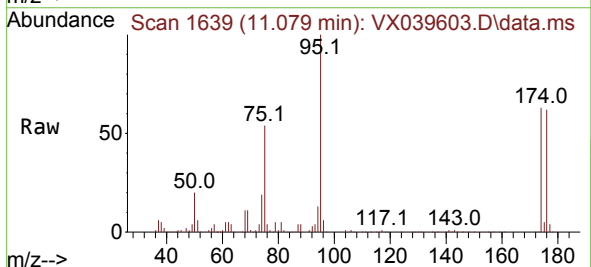
Tgt Ion: 75 Resp: 58380

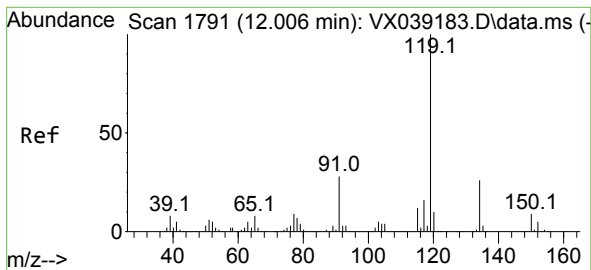
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

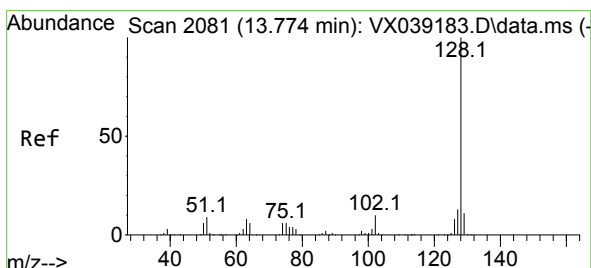
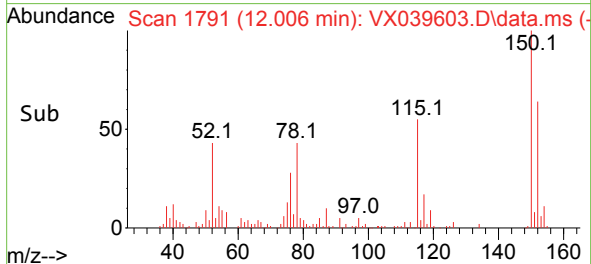
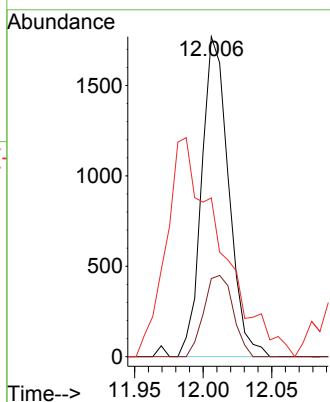
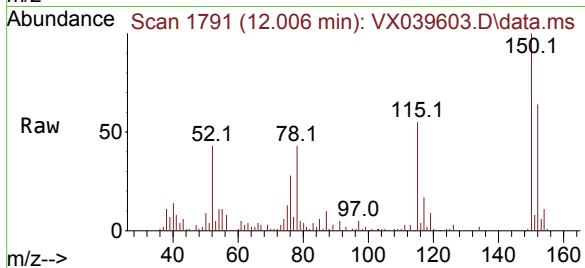




#86
p-Isopropyltoluene
Concen: 0.391 ug/l
RT: 12.006 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039603.D
Acq: 03 Jan 2024 15:36

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:	119	Resp:	2432
Ion Ratio	Lower	Upper	
119	100		
134	27.5	12.8	38.3
91	0.0	13.1	39.3#



#95
Naphthalene
Concen: 0.239 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX039603.D
Acq: 03 Jan 2024 15:36

Tgt Ion:	128	Resp:	1631
Ion Ratio	Lower	Upper	
128	100		
127	16.1	10.3	15.5#
129	11.5	8.8	13.2

