

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052224\
 Data File : VX041609.D
 Acq On : 22 May 2024 17:38
 Operator : JC/MD
 Sample : P2494-37 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 17

Quant Time: May 23 03:46:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 06:03:16 2024
 Response via : Initial Calibration

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

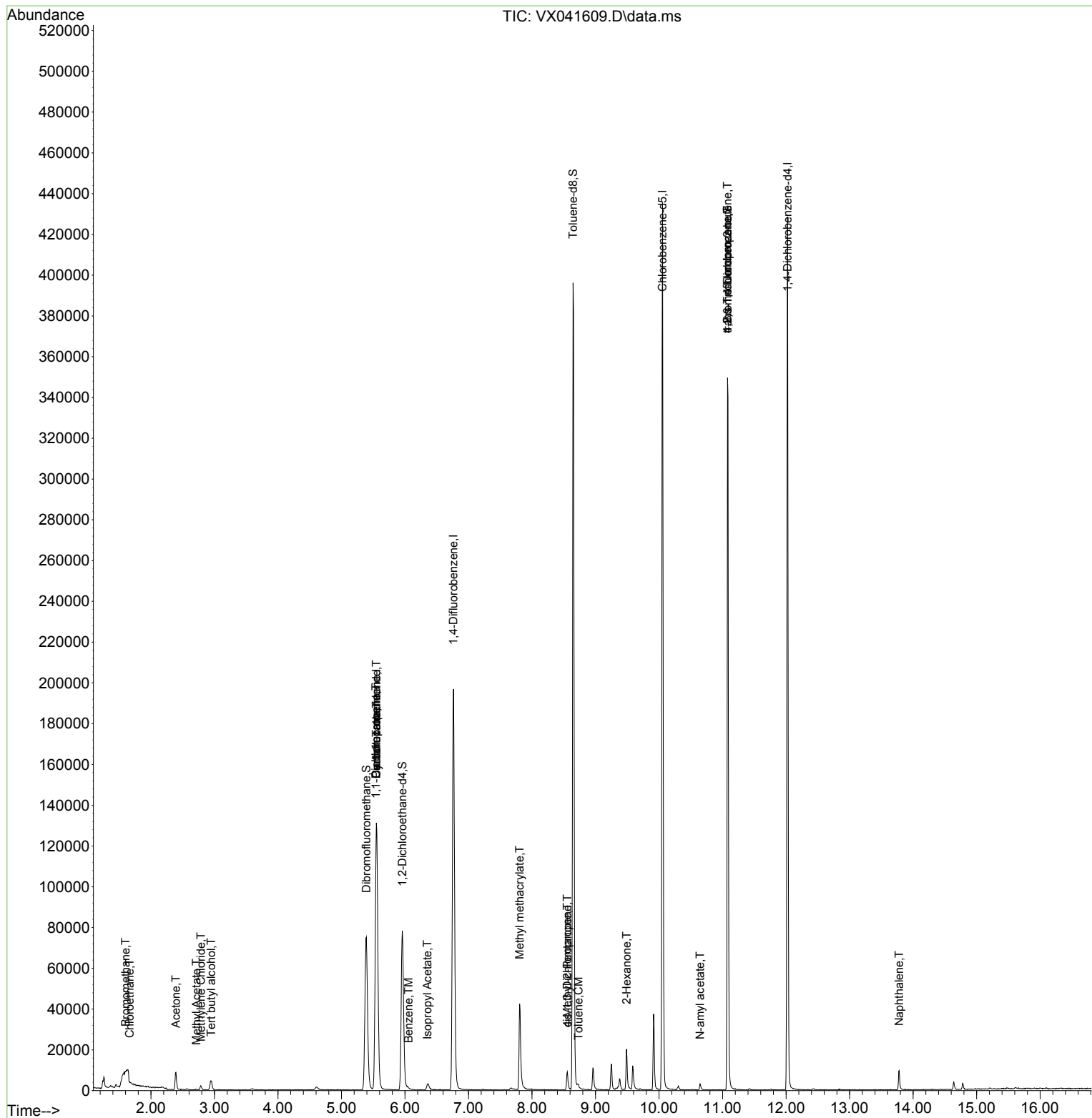
Internal Standards						
1) Pentafluorobenzene	5.550	168	139699	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	205216	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	198013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98387	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77514	50.969	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.940%	
35) Dibromofluoromethane	5.391	113	64087	46.083	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 92.160%	
50) Toluene-d8	8.647	98	241952	54.968	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 109.940%	
62) 4-Bromofluorobenzene	11.079	95	89875	52.746	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.500%	
Target Compounds						
						Qvalue
5) Bromomethane	1.599	94	177	0.249	ug/l	# 58
6) Chloroethane	1.666	64	196	0.373	ug/l	# 43
11) Tert butyl alcohol	2.946	59	2932	9.632	ug/l	# 78
16) Acetone	2.392	43	9745	10.809	ug/l	92
18) Methyl Acetate	2.715	43	349	0.224	ug/l	# 53
20) Methylene Chloride	2.788	84	983	0.745	ug/l	# 74
31) Cyclohexane	5.550	56	2434	1.326	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	8991	5.407	ug/l	# 52
38) Carbon Tetrachloride	5.550	117	12405	6.512	ug/l	# 15
40) Benzene	6.056	78	1182	0.231	ug/l	# 78
43) Isopropyl Acetate	6.354	43	4634	1.485	ug/l	97
48) Methyl methacrylate	7.805	41	4718	3.299	ug/l	# 49
51) 4-Methyl-2-Pentanone	8.555	43	3673	1.962	ug/l	# 47
52) Toluene	8.732	92	964	0.307	ug/l	98
54) cis-1,3-Dichloropropene	8.555	75	1527	0.855	ug/l	# 70
59) 2-Hexanone	9.488	43	2565	1.714	ug/l	# 54
74) N-amyl acetate	10.646	43	909	0.346	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	45293	28.248	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	45293	76.944	ug/l	# 5
95) Naphthalene	13.780	128	7713	1.144	ug/l	98

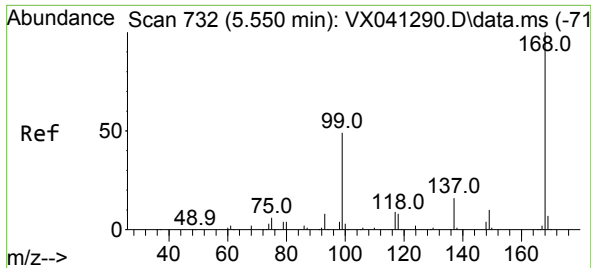
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 08 06:03:16 2024
Response via : Initial Calibration

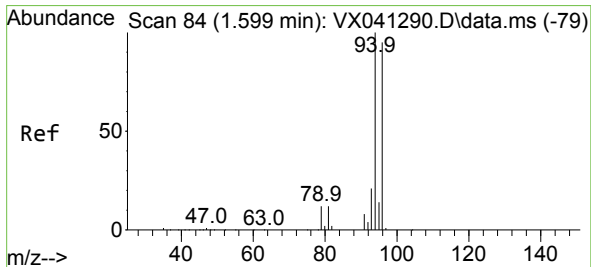
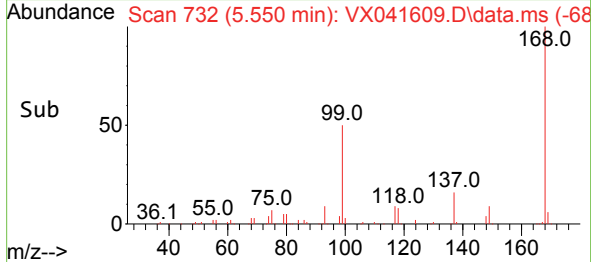
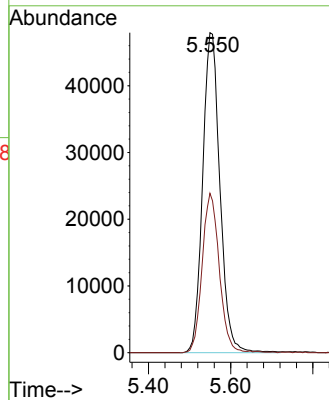
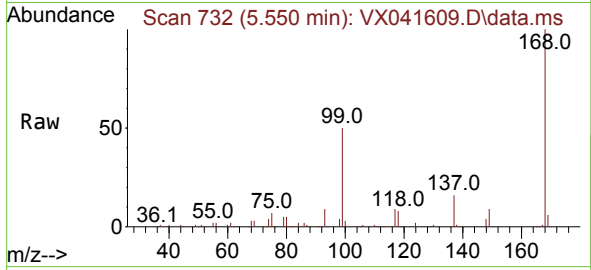




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041609.D
Acq: 22 May 2024 17:38

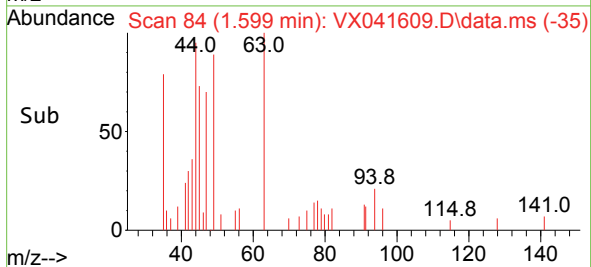
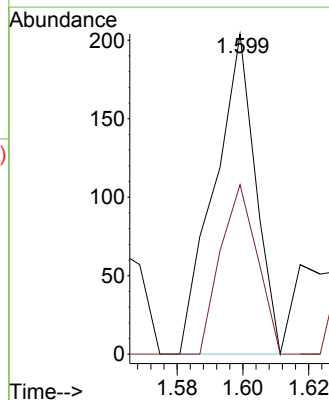
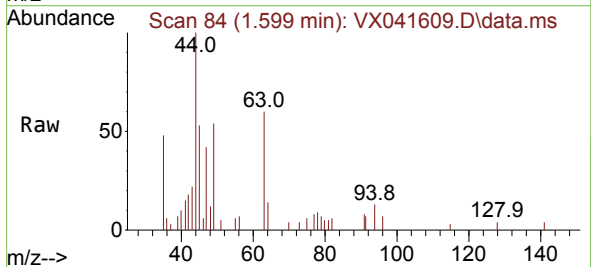
Instrument :
MSVOA_X
ClientSampleId :
17

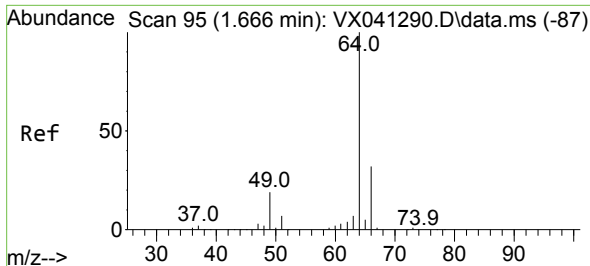
Tgt Ion:168 Resp: 139699
Ion Ratio Lower Upper
168 100
99 49.8 56.6 85.0#



#5
Bromomethane
Concen: 0.249 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041609.D
Acq: 22 May 2024 17:38

Tgt Ion: 94 Resp: 177
Ion Ratio Lower Upper
94 100
96 52.9 74.6 111.8#

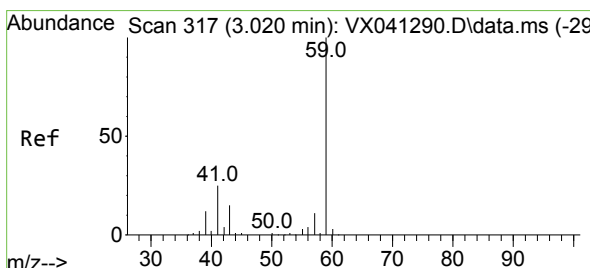
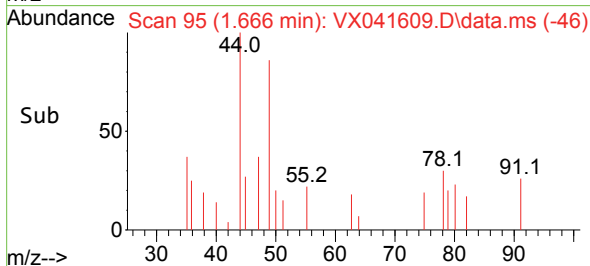
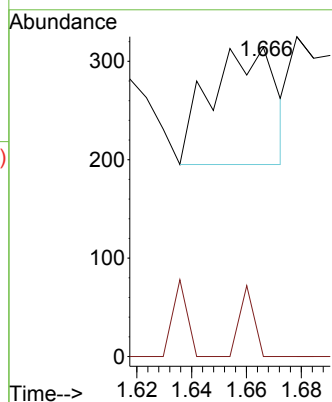
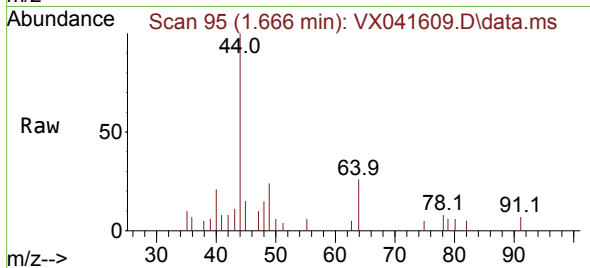




#6
 Chloroethane
 Concen: 0.373 ug/l
 RT: 1.666 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX041609.D
 Acq: 22 May 2024 17:38

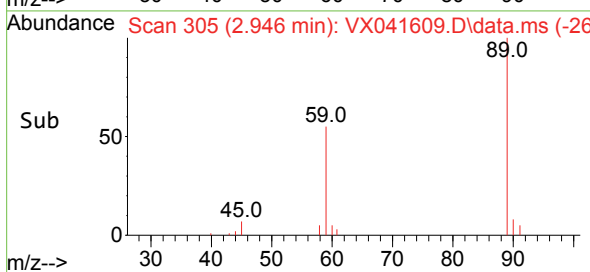
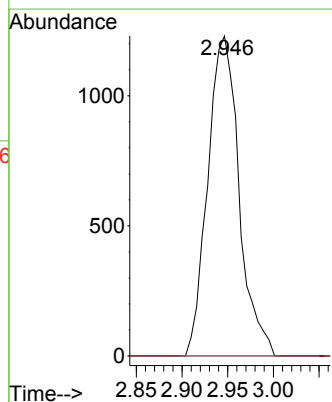
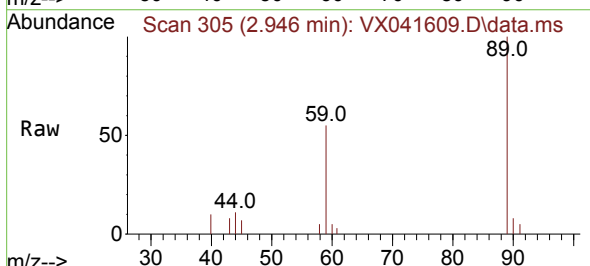
Instrument :
 MSVOA_X
 ClientSampleId :
 17

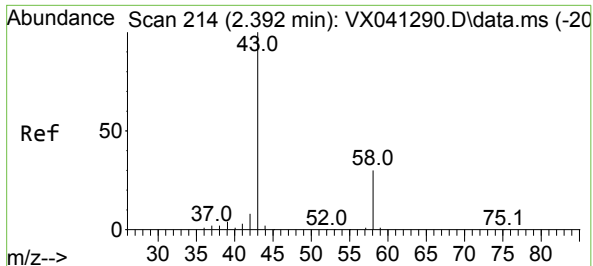
Tgt Ion: 64 Resp: 196
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.1 37.7#



#11
 Tert butyl alcohol
 Concen: 9.632 ug/l
 RT: 2.946 min Scan# 305
 Delta R.T. -0.073 min
 Lab File: VX041609.D
 Acq: 22 May 2024 17:38

Tgt Ion: 59 Resp: 2932
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.0 9.0#

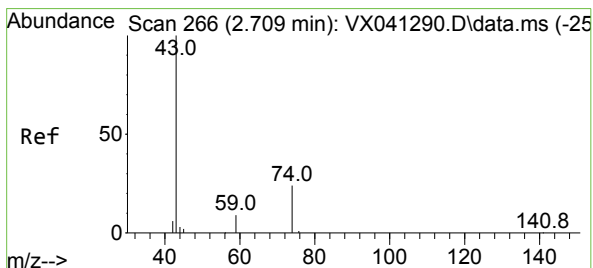
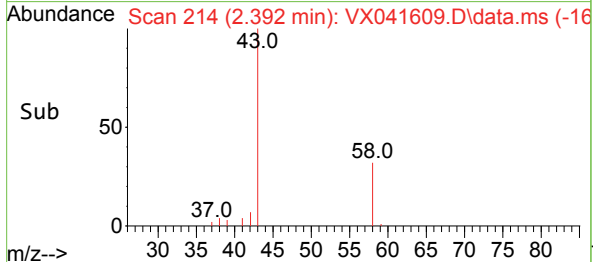
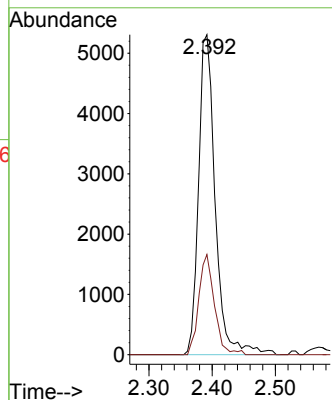
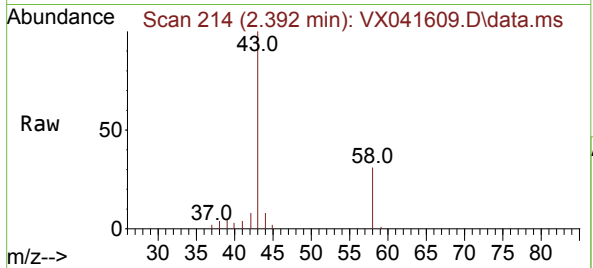




#16
Acetone
Concen: 10.809 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041609.D
Acq: 22 May 2024 17:38

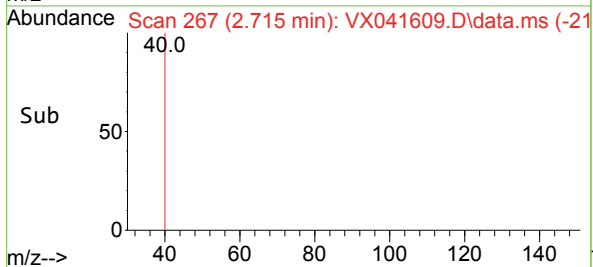
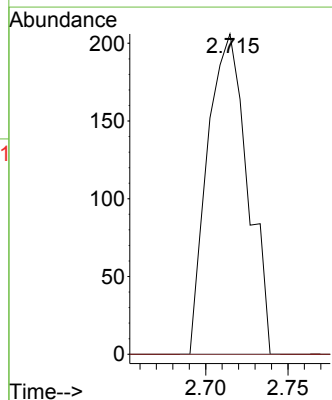
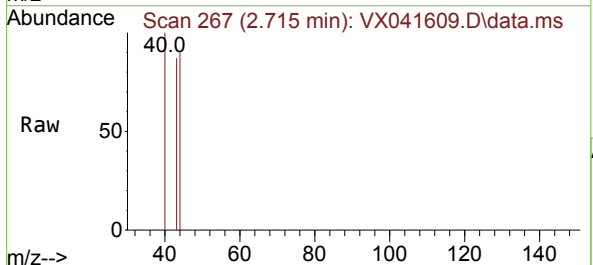
Instrument :
MSVOA_X
ClientSampleId :
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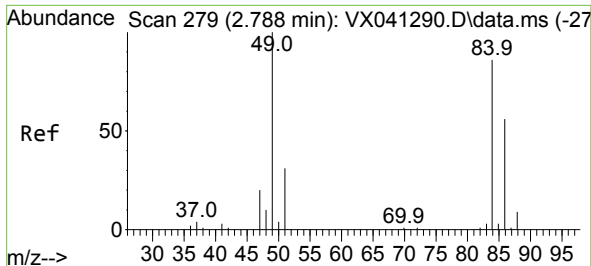
Tgt Ion: 43 Resp: 9745
Ion Ratio Lower Upper
43 100
58 31.3 21.9 32.9



#18
Methyl Acetate
Concen: 0.224 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX041609.D
Acq: 22 May 2024 17:38

Tgt Ion: 43 Resp: 349
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#

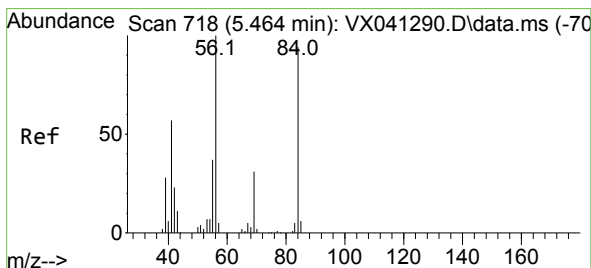
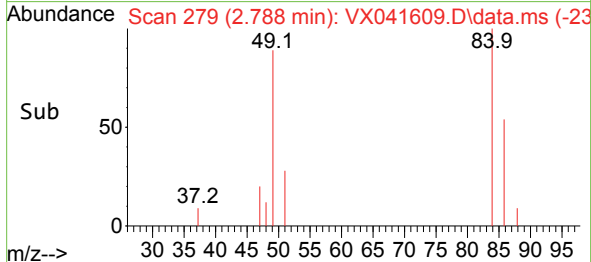
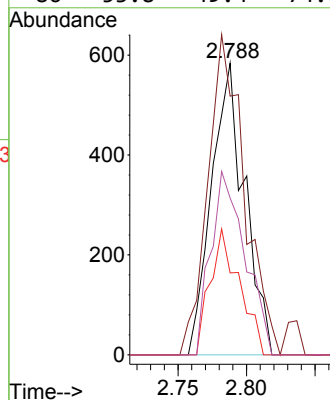
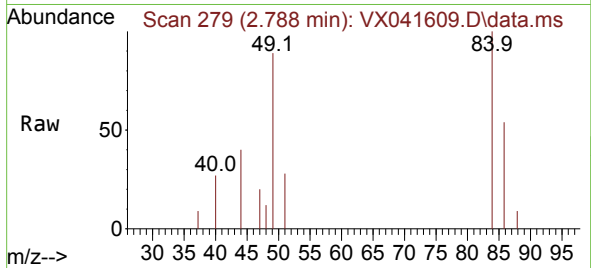




#20
Methylene Chloride
Concen: 0.745 ug/l
RT: 2.788 min Scan# 217
Delta R.T. -0.000 min
Lab File: VX041609.D
Acq: 22 May 2024 17:38

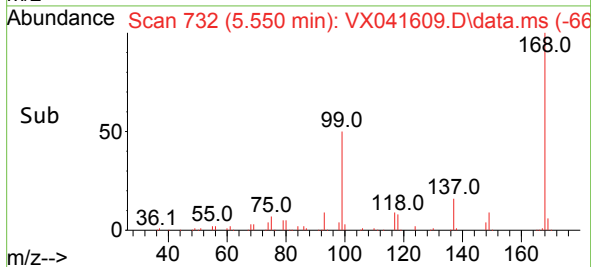
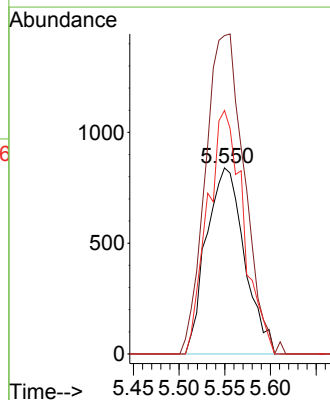
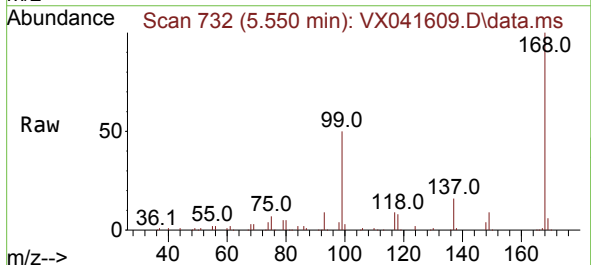
Instrument :
MSVOA_X
ClientSampleId :
17

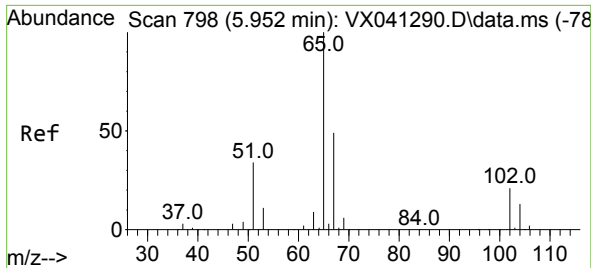
Tgt Ion:	84	Resp:	983
Ion	Ratio	Lower	Upper
84	100		
49	88.7	103.6	155.4#
51	28.1	33.8	50.6#
86	53.8	49.4	74.0



#31
Cyclohexane
Concen: 1.326 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX041609.D
Acq: 22 May 2024 17:38

Tgt Ion:	56	Resp:	2434
Ion	Ratio	Lower	Upper
56	100		
69	171.1	23.4	35.2#
84	130.8	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 50.969 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041609.D

Acq: 22 May 2024 17:38

Instrument :

MSVOA_X

ClientSampleId :

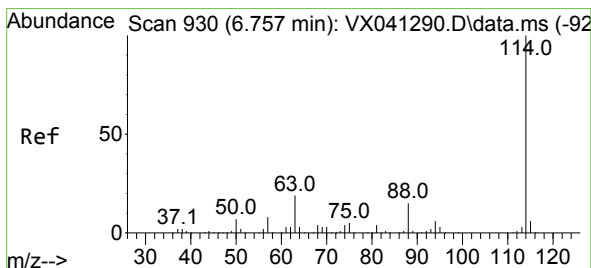
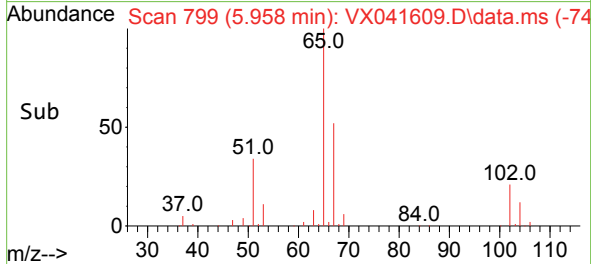
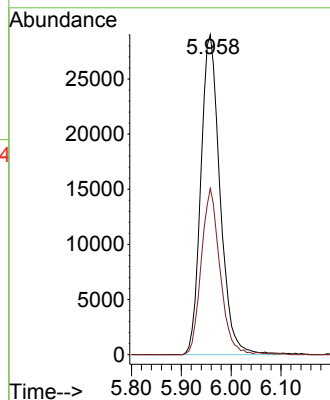
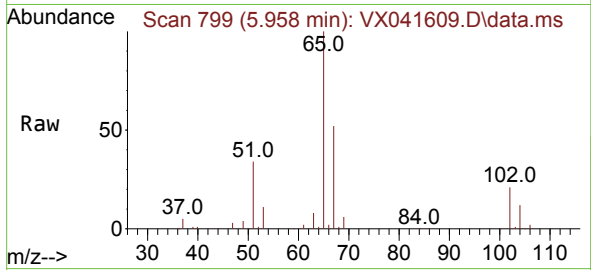
17

Tgt Ion: 65 Resp: 77514

Ion Ratio Lower Upper

65 100

67 50.6 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX041609.D

Acq: 22 May 2024 17:38

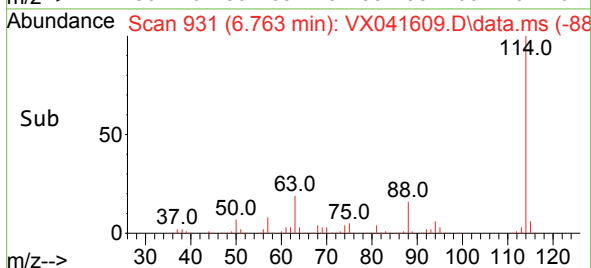
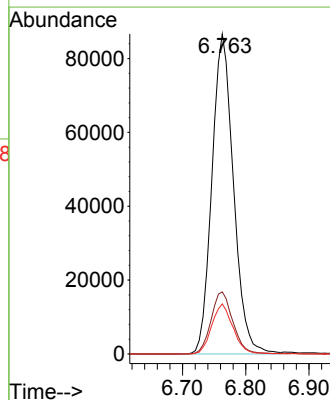
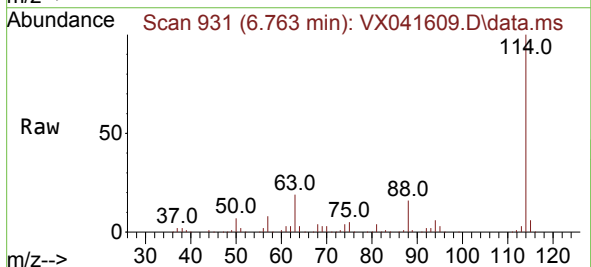
Tgt Ion: 114 Resp: 205216

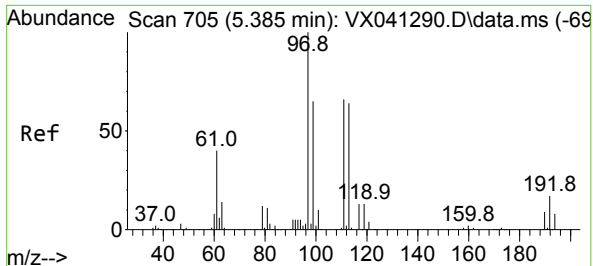
Ion Ratio Lower Upper

114 100

63 19.4 0.0 45.0

88 15.6 0.0 36.6

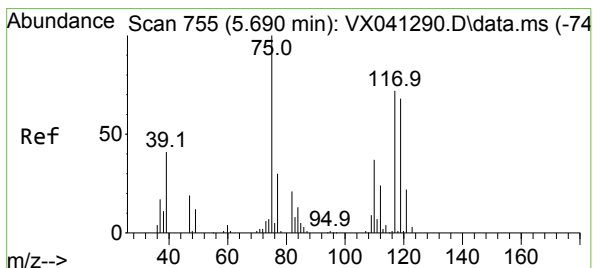
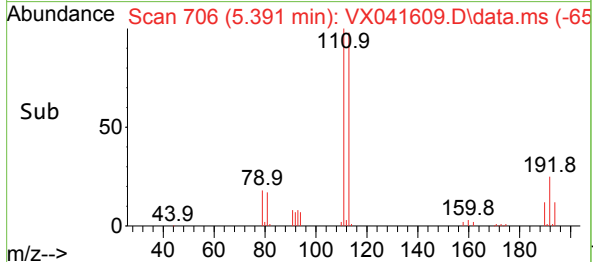
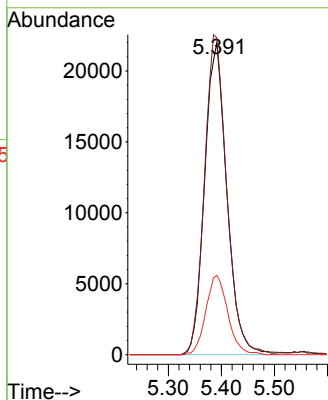
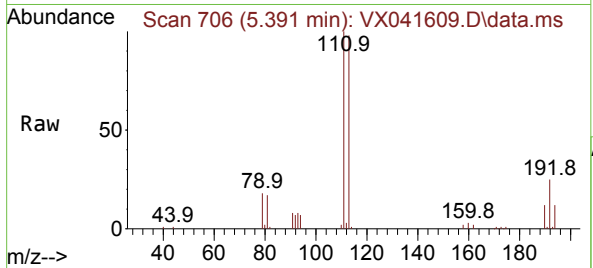




#35
Dibromofluoromethane
Concen: 46.083 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX041609.D
Acq: 22 May 2024 17:38

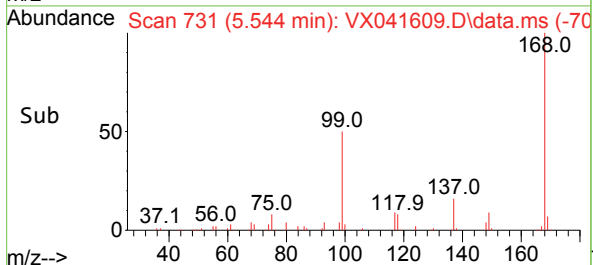
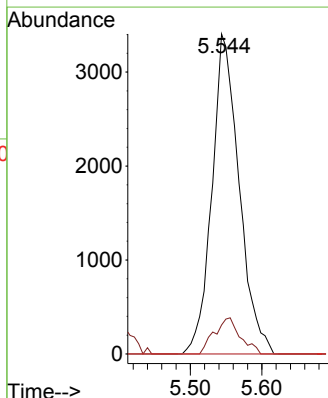
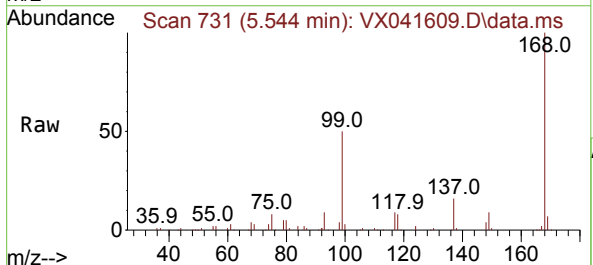
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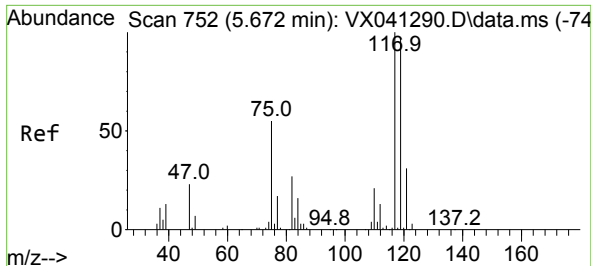
Tgt Ion:113 Resp: 64087
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 25.1 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 5.407 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX041609.D
Acq: 22 May 2024 17:38

Tgt Ion: 75 Resp: 8991
Ion Ratio Lower Upper
75 100
110 10.8 17.0 50.9#
77 0.0 24.7 37.1#

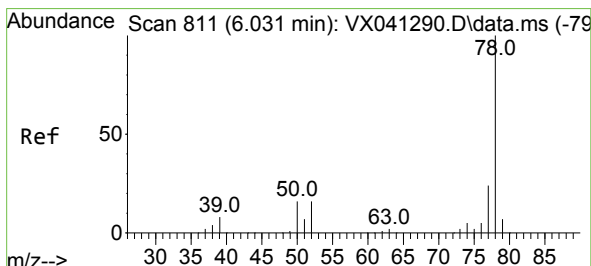
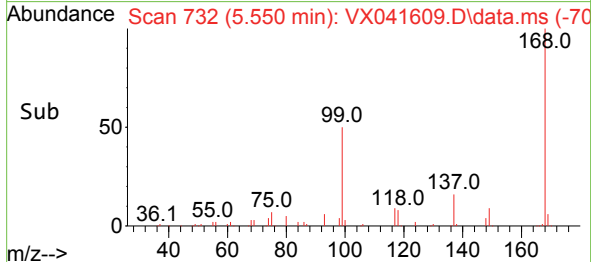
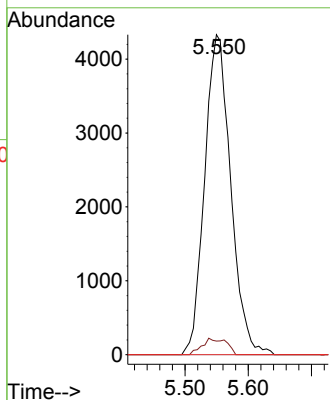
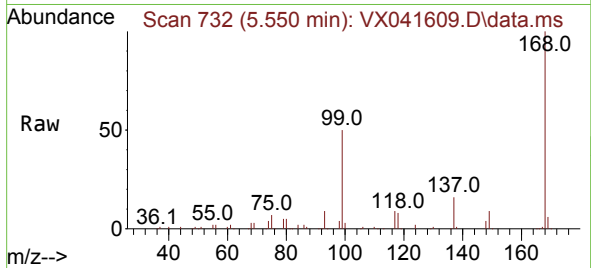




#38
Carbon Tetrachloride
Concen: 6.512 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX041609.D
Acq: 22 May 2024 17:38

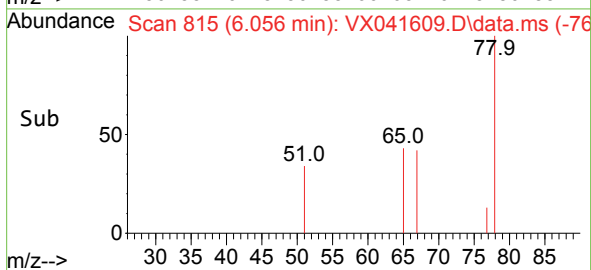
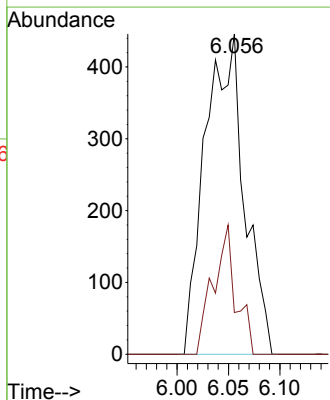
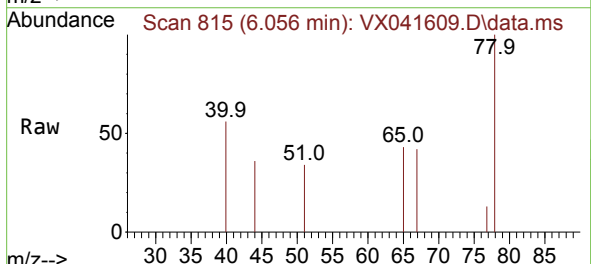
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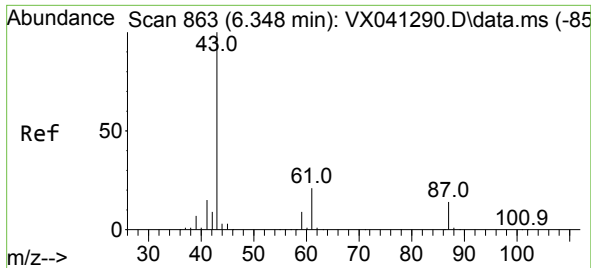
Tgt Ion:117 Resp: 12405
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 0.231 ug/l
RT: 6.056 min Scan# 815
Delta R.T. 0.024 min
Lab File: VX041609.D
Acq: 22 May 2024 17:38

Tgt Ion: 78 Resp: 1182
Ion Ratio Lower Upper
78 100
77 13.0 19.3 28.9#

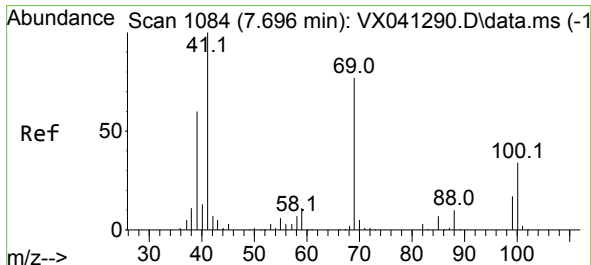
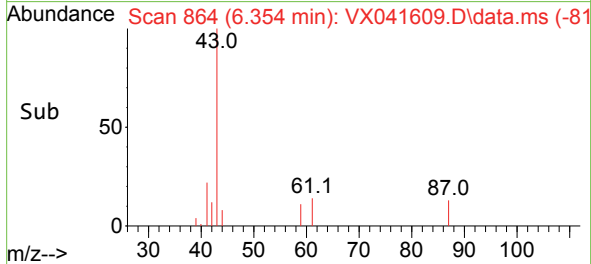
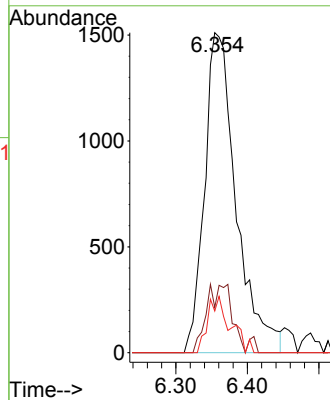
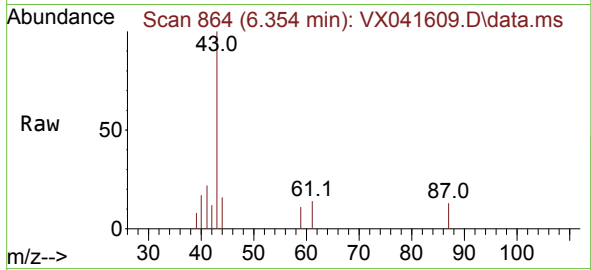




#43
Isopropyl Acetate
Concen: 1.485 ug/l
RT: 6.354 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX041609.D
Acq: 22 May 2024 17:38

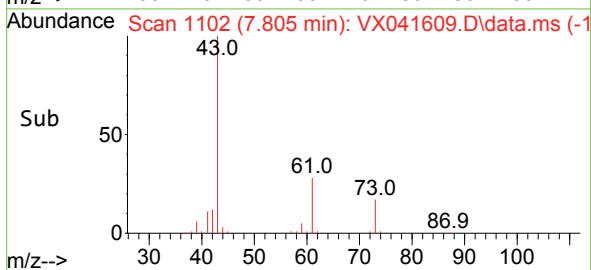
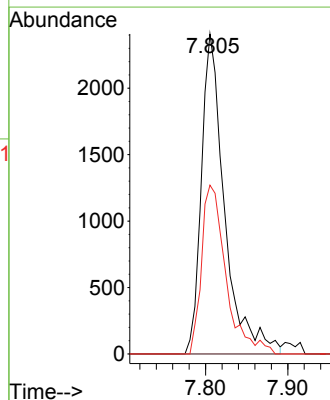
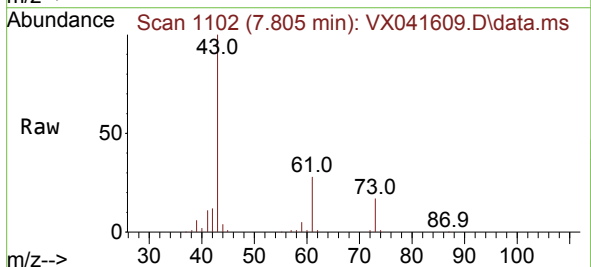
Instrument :
MSVOA_X
ClientSampleId :
17

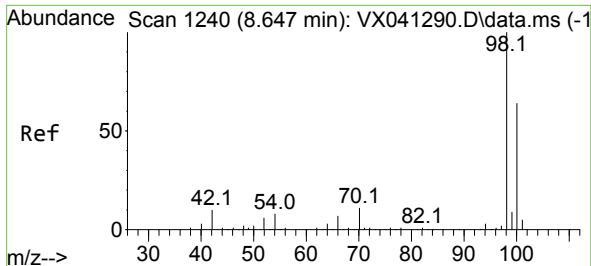
Tgt Ion:	43	Resp:	4634
Ion	Ratio	Lower	Upper
43	100		
61	17.1	15.2	22.8
87	12.5	9.8	14.6



#48
Methyl methacrylate
Concen: 3.299 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.110 min
Lab File: VX041609.D
Acq: 22 May 2024 17:38

Tgt Ion:	41	Resp:	4718
Ion	Ratio	Lower	Upper
41	100		
69	0.0	59.2	88.8#
39	55.6	47.7	71.5

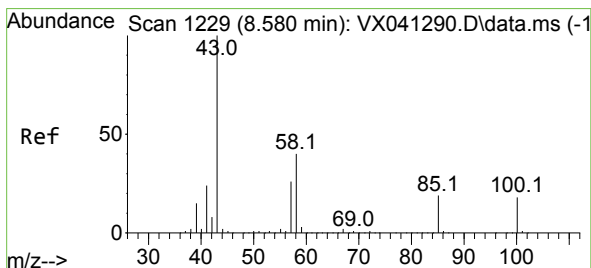
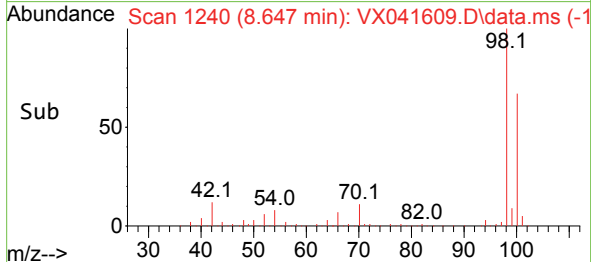
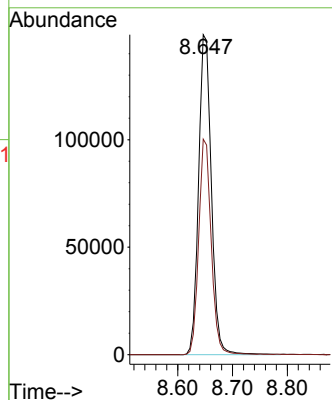
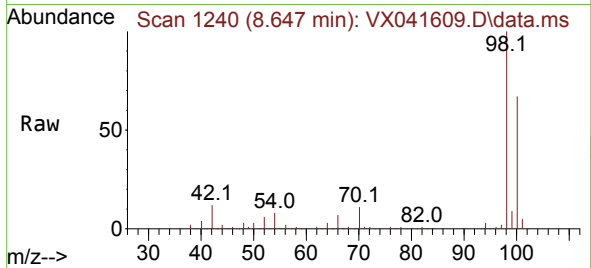




#50
Toluene-d8
Concen: 54.968 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041609.D
Acq: 22 May 2024 17:38

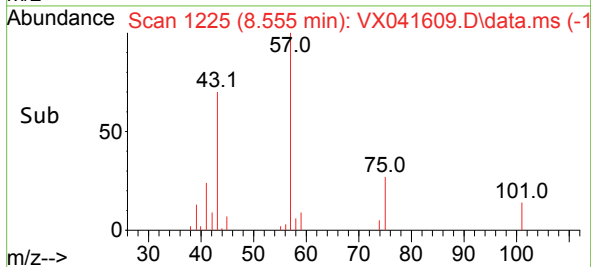
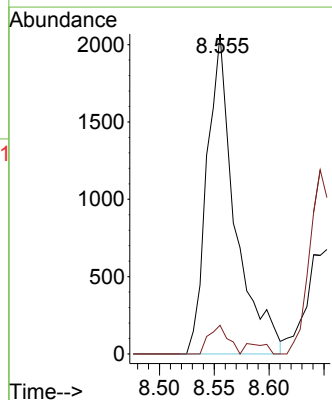
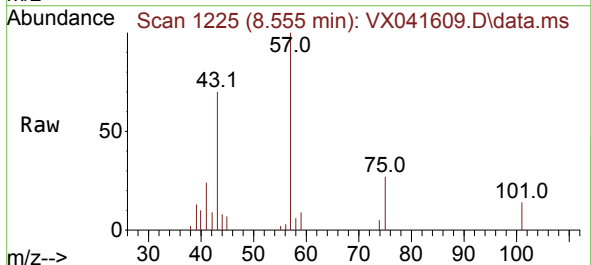
Instrument :
MSVOA_X
ClientSampleId :
17

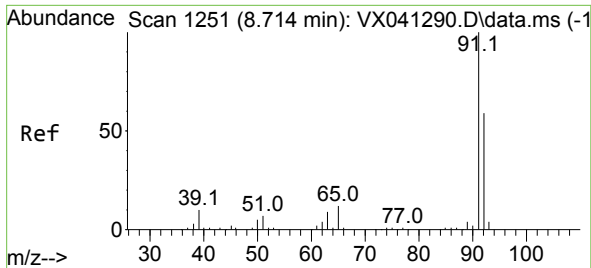
Tgt Ion: 98 Resp: 241952
Ion Ratio Lower Upper
98 100
100 65.9 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 1.962 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.024 min
Lab File: VX041609.D
Acq: 22 May 2024 17:38

Tgt Ion: 43 Resp: 3673
Ion Ratio Lower Upper
43 100
58 6.2 30.4 45.6#





#52

Toluene

Concen: 0.307 ug/l

RT: 8.732 min Scan# 11

Delta R.T. 0.018 min

Lab File: VX041609.D

Acq: 22 May 2024 17:38

Instrument :

MSVOA_X

ClientSampleId :

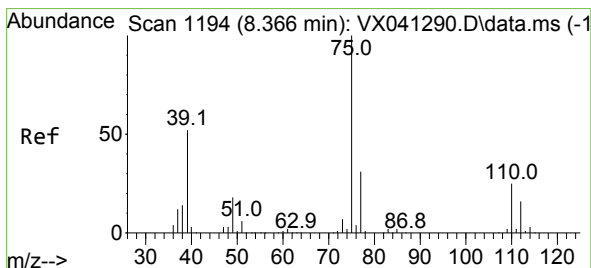
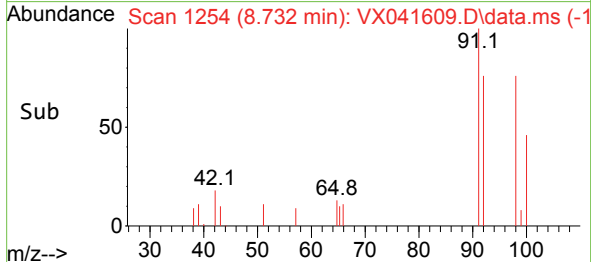
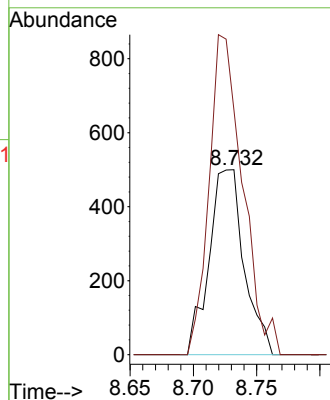
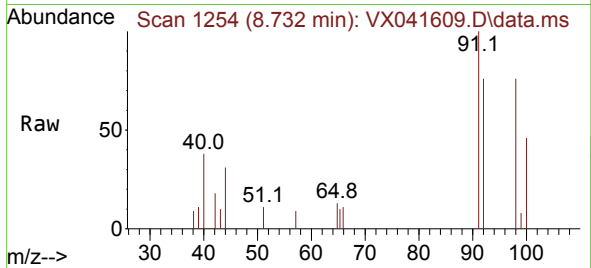
17

Tgt Ion: 92 Resp: 964

Ion Ratio Lower Upper

92 100

91 165.4 134.2 201.2



#54

cis-1,3-Dichloropropene

Concen: 0.855 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. 0.189 min

Lab File: VX041609.D

Acq: 22 May 2024 17:38

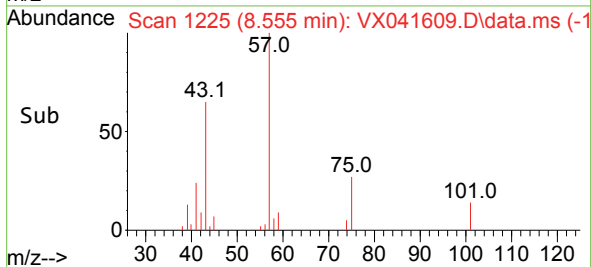
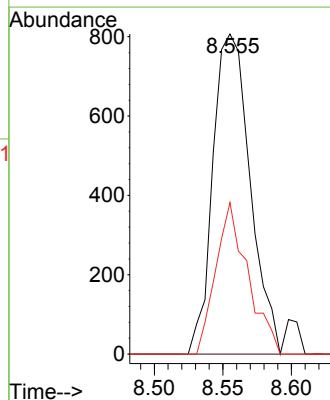
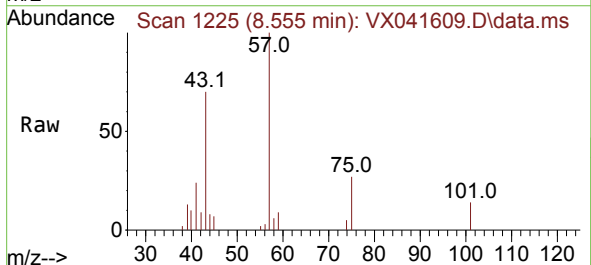
Tgt Ion: 75 Resp: 1527

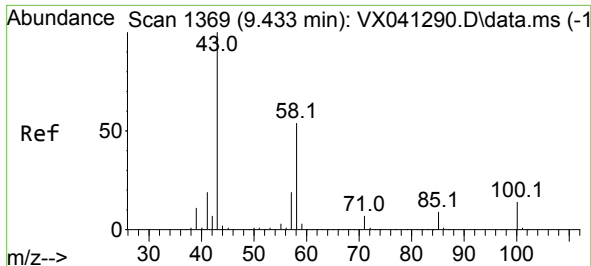
Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#

39 47.3 46.7 70.1

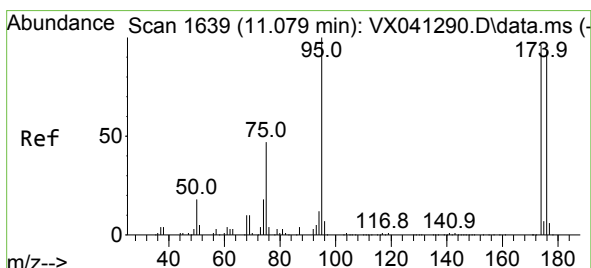
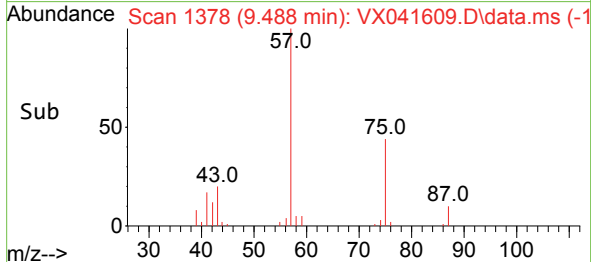
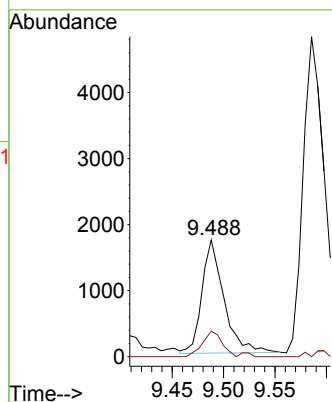
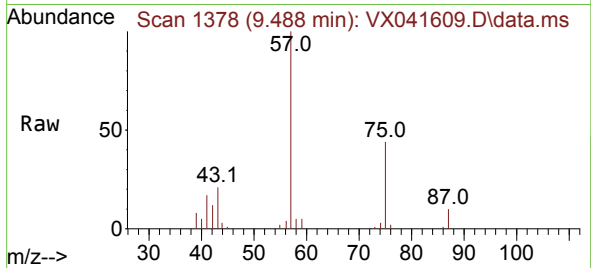




#59
2-Hexanone
Concen: 1.714 ug/l
RT: 9.488 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX041609.D
Acq: 22 May 2024 17:38

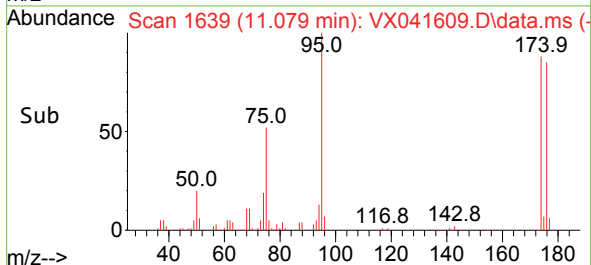
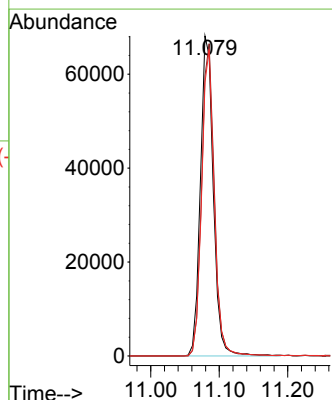
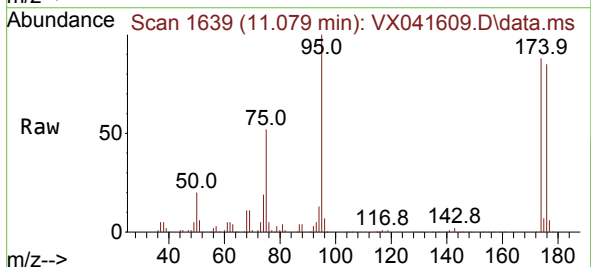
Instrument :
MSVOA_X
ClientSampleId :
17

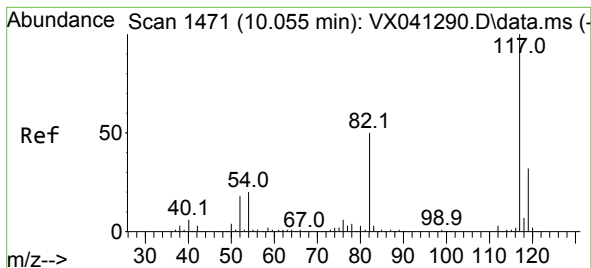
Tgt Ion: 43 Resp: 2565
Ion Ratio Lower Upper
43 100
58 19.9 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 52.746 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041609.D
Acq: 22 May 2024 17:38

Tgt Ion: 95 Resp: 89875
Ion Ratio Lower Upper
95 100
174 96.2 0.0 135.6
176 93.2 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: VX041609.D

Acq: 22 May 2024 17:38

Instrument :

MSVOA_X

ClientSampleId :

17

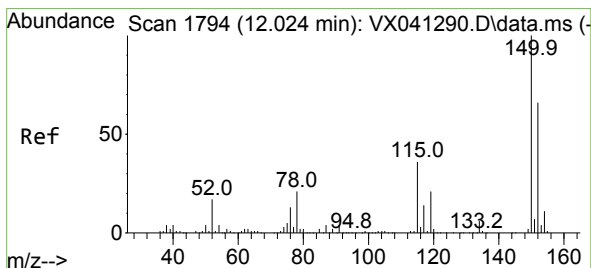
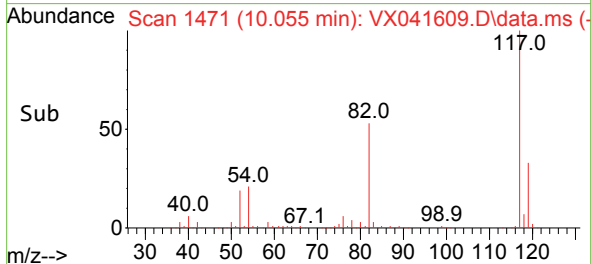
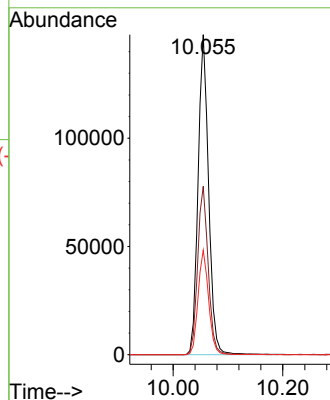
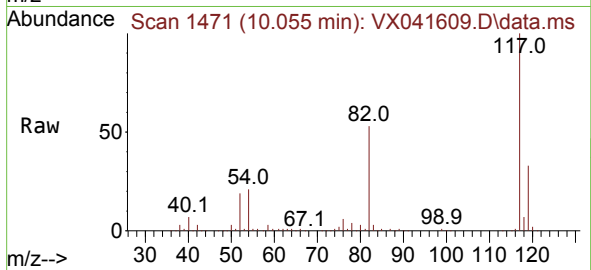
Tgt Ion:117 Resp: 198013

Ion Ratio Lower Upper

117 100

82 52.6 46.2 69.4

119 32.6 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: VX041609.D

Acq: 22 May 2024 17:38

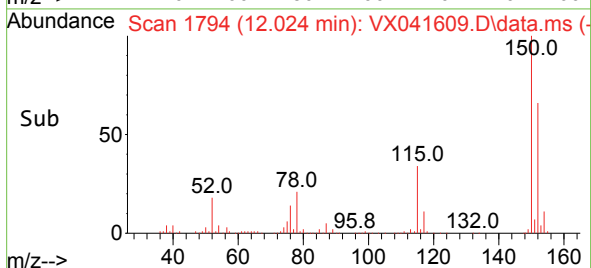
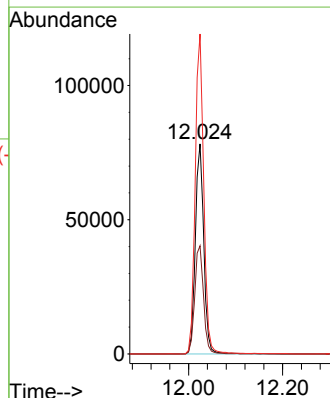
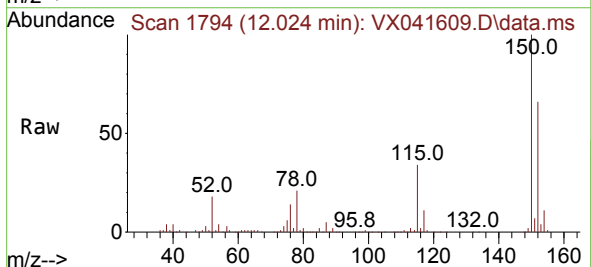
Tgt Ion:152 Resp: 98387

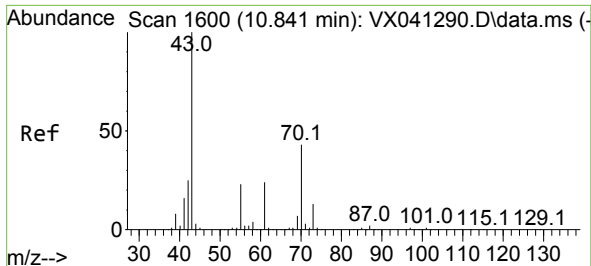
Ion Ratio Lower Upper

152 100

115 53.7 43.3 129.9

150 153.8 0.0 345.0

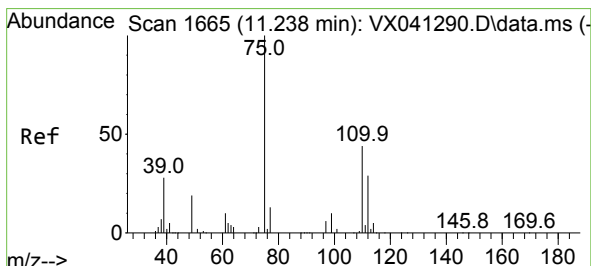
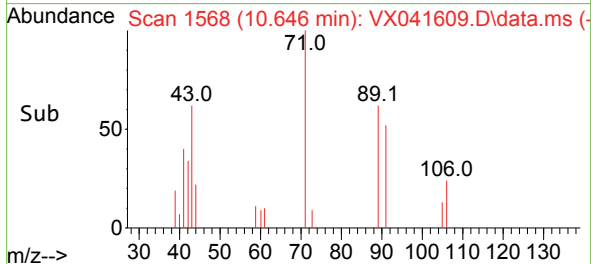
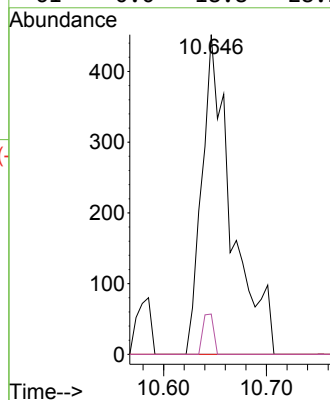
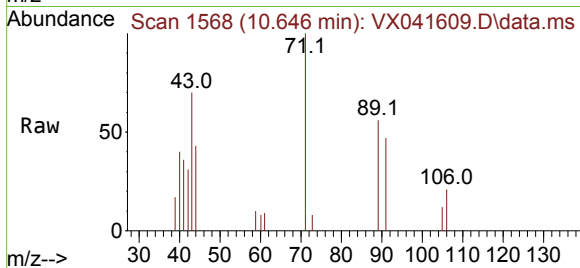




#74
N-ethyl acetate
Concen: 0.346 ug/l
RT: 10.646 min Scan# 1639
Delta R.T. -0.195 min
Lab File: VX041609.D
Acq: 22 May 2024 17:38

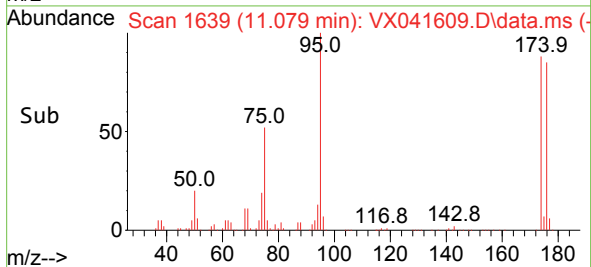
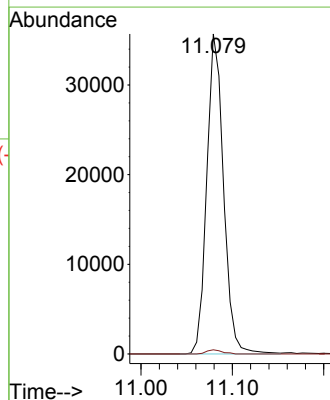
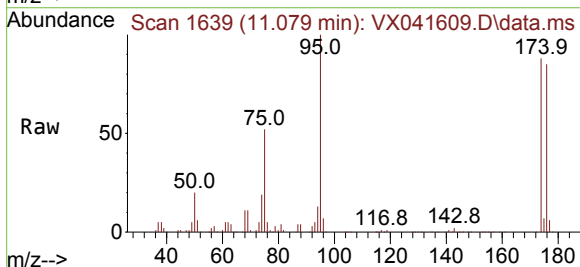
Instrument :
MSVOA_X
ClientSampleId :
17

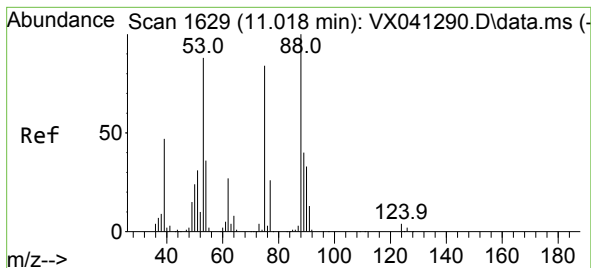
Tgt Ion: 43	Resp:	909
Ion	Ratio	Lower Upper
43	100	
70	0.0	32.9 49.3#
55	0.0	19.3 28.9#
61	0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 28.248 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX041609.D
Acq: 22 May 2024 17:38

Tgt Ion: 75	Resp:	45293
Ion	Ratio	Lower Upper
75	100	
77	1.2	19.1 57.5#

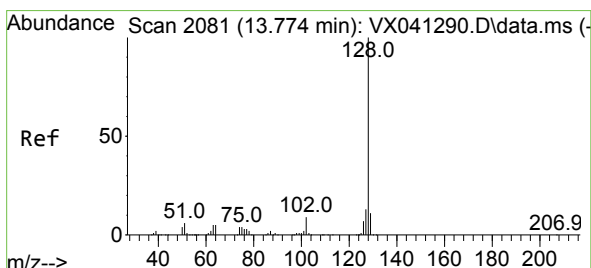
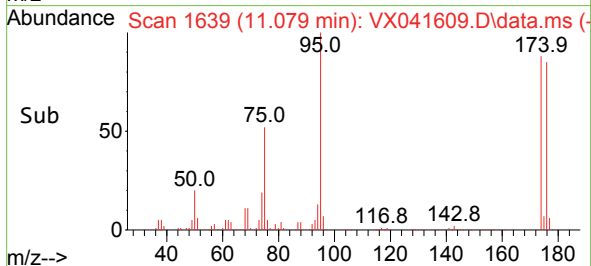
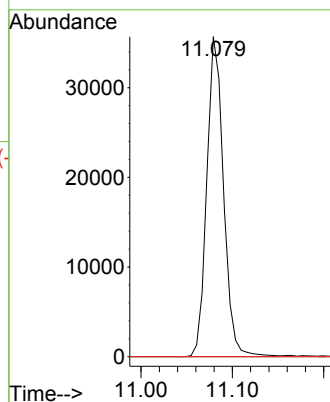
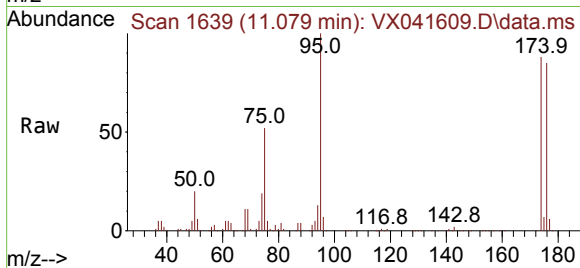




#81
trans-1,4-Dichloro-2-butene
Concen: 76.944 ug/l
RT: 11.079 min Scan# 17
Delta R.T. 0.061 min
Lab File: VX041609.D
Acq: 22 May 2024 17:38

Instrument :
MSVOA_X
ClientSampleId :
17

Tgt Ion: 75 Resp: 45293
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 1.144 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX041609.D
Acq: 22 May 2024 17:38

Tgt Ion: 128 Resp: 7713
Ion Ratio Lower Upper
128 100
127 11.6 10.3 15.5
129 10.7 8.8 13.2

