

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050724\
 Data File : VX041405.D
 Acq On : 07 May 2024 14:40
 Operator : JC/MD
 Sample : P2389-02 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 08 02:00:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 02:38:17 2024
 Response via : Initial Calibration

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

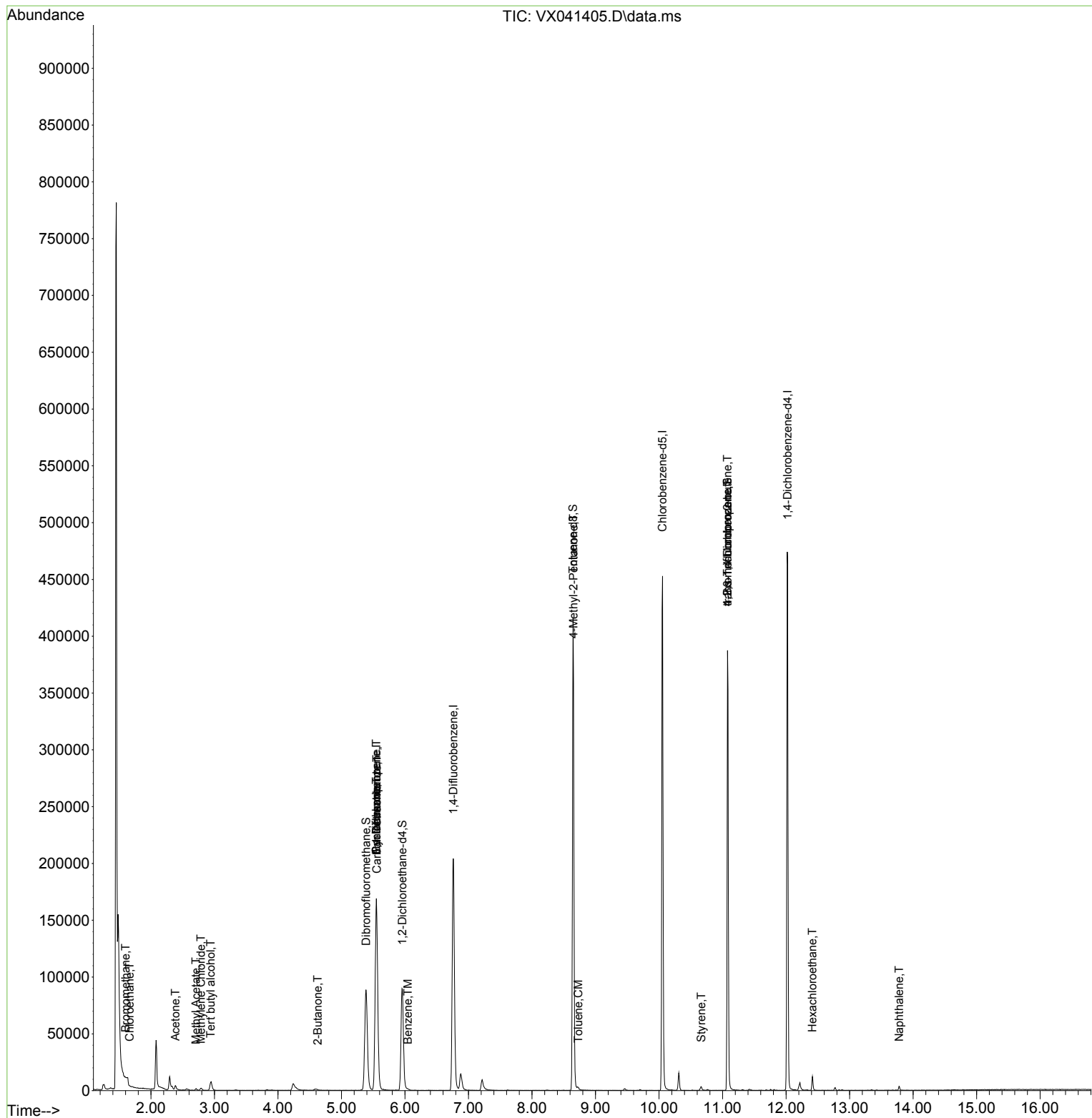
Internal Standards						
1) Pentafluorobenzene	5.550	168	174050	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	220228	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	213268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108418	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	90222	47.616	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 95.240%			
35) Dibromofluoromethane	5.385	113	76743	51.422	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.840%			
50) Toluene-d8	8.647	98	245352	51.941	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.880%			
62) 4-Bromofluorobenzene	11.079	95	94020	51.418	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.840%			
Target Compounds						
						Qvalue
5) Bromomethane	1.599	94	455	0.514	ug/l	93
6) Chloroethane	1.666	64	166	0.253	ug/l	95
11) Tert butyl alcohol	2.940	59	4725	12.459	ug/l #	84
16) Acetone	2.386	43	3861	0.727	ug/l #	86
18) Methyl Acetate	2.709	43	1824	0.941	ug/l	100
20) Methylene Chloride	2.788	84	1022	0.621	ug/l	89
25) 2-Butanone	4.623	43	681	0.555	ug/l #	51
31) Cyclohexane	5.550	56	3126	1.367	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11058	6.196	ug/l #	52
38) Carbon Tetrachloride	5.556	117	15551	7.607	ug/l #	15
40) Benzene	6.043	78	1153	0.210	ug/l #	64
51) 4-Methyl-2-Pentanone	8.653	43	1166	0.580	ug/l #	1
52) Toluene	8.726	92	947	0.281	ug/l	98
70) Styrene	10.665	104	1909	0.425	ug/l #	83
76) 1,2,3-Trichloropropane	11.079	75	49012	27.739	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	49012	75.559	ug/l #	5
90) Hexachloroethane	12.414	117	516	0.519	ug/l #	17
95) Naphthalene	13.780	128	2714	0.365	ug/l #	95

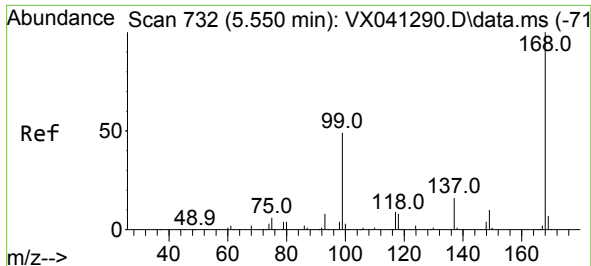
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

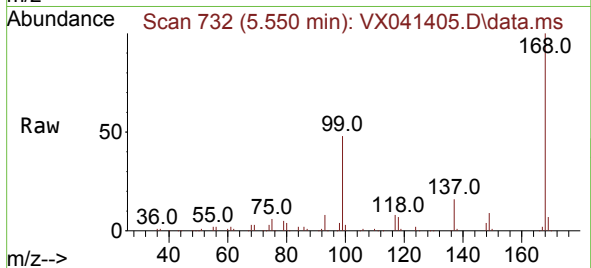
Quant Time: May 08 02:00:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
Quant Title : SW846 8260
QLast Update : Wed May 01 02:38:17 2024
Response via : Initial Calibration



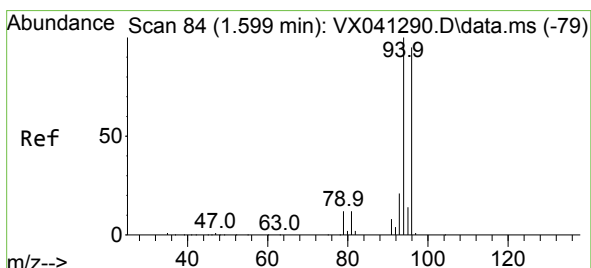
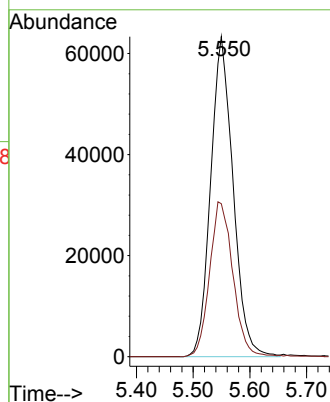
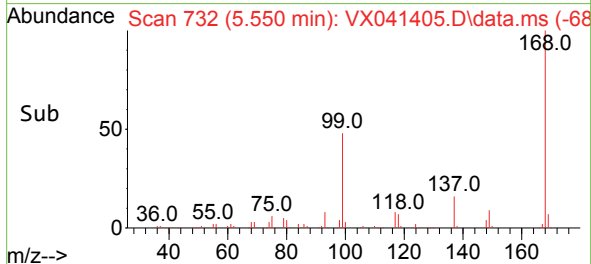


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041405.D
Acq: 07 May 2024 14:40

Instrument :
MSVOA_X
ClientSampleId :

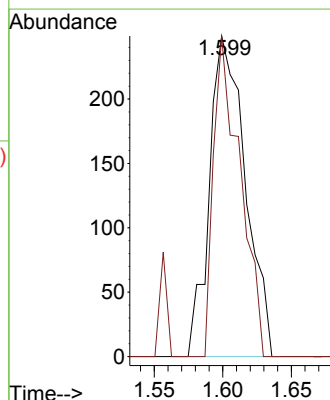
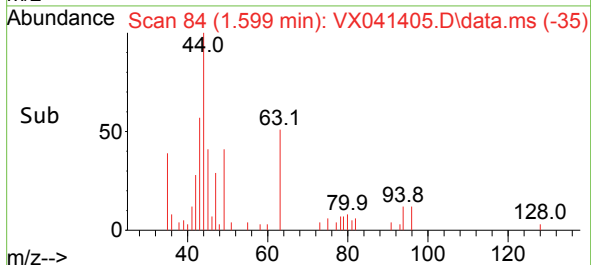
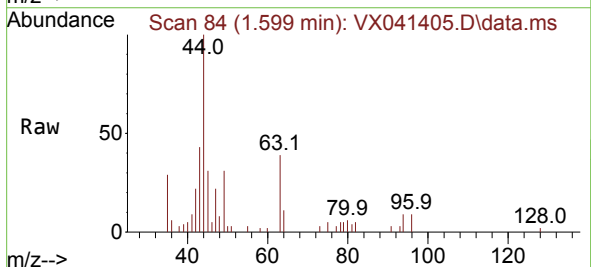


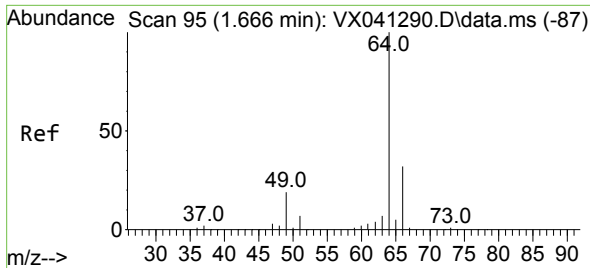
Tgt Ion:168 Resp: 174050
Ion Ratio Lower Upper
168 100
99 47.8 56.6 85.0#



#5
Bromomethane
Concen: 0.514 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041405.D
Acq: 07 May 2024 14:40

Tgt Ion: 94 Resp: 455
Ion Ratio Lower Upper
94 100
96 100.0 74.6 111.8

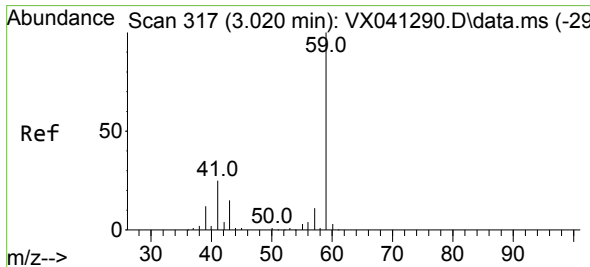
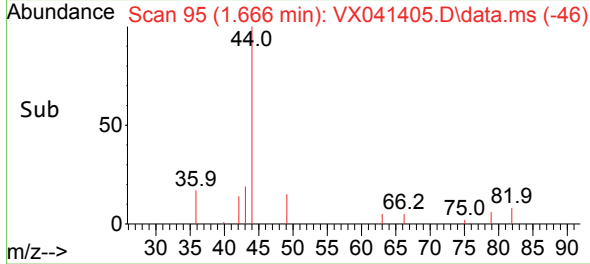
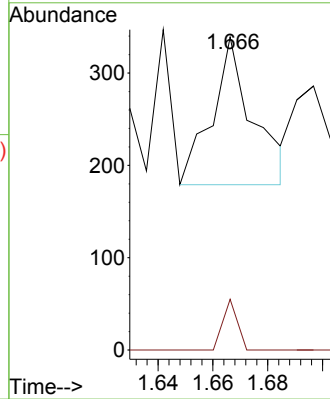
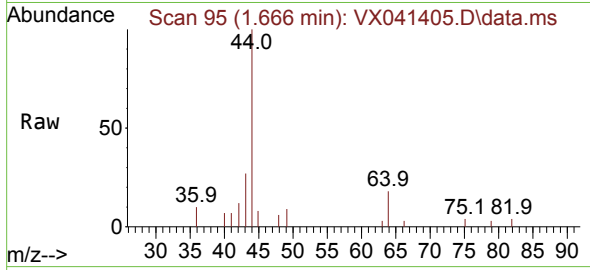




#6
Chloroethane
Concen: 0.253 ug/l
RT: 1.666 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX041405.D
Acq: 07 May 2024 14:40

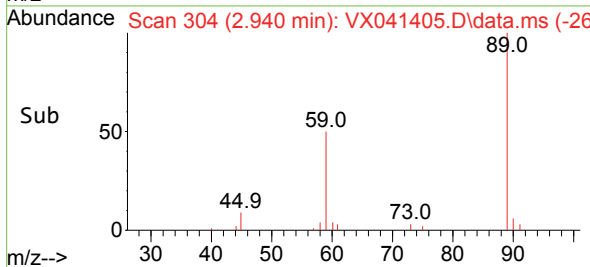
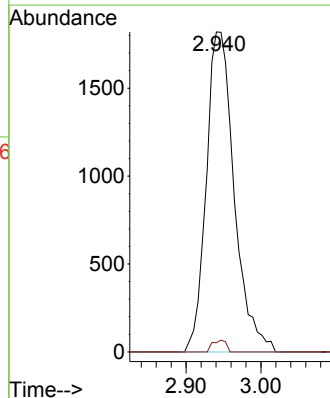
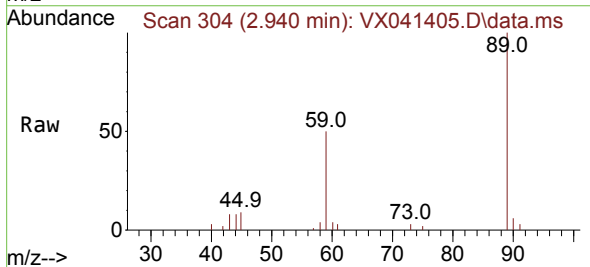
Instrument :
MSVOA_X
ClientSampleId :

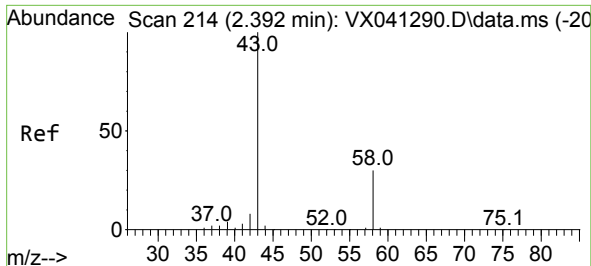
Tgt Ion: 64 Resp: 166
Ion Ratio Lower Upper
64 100
66 34.4 25.1 37.7



#11
Tert butyl alcohol
Concen: 12.459 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.079 min
Lab File: VX041405.D
Acq: 07 May 2024 14:40

Tgt Ion: 59 Resp: 4725
Ion Ratio Lower Upper
59 100
57 1.8 6.0 9.0#

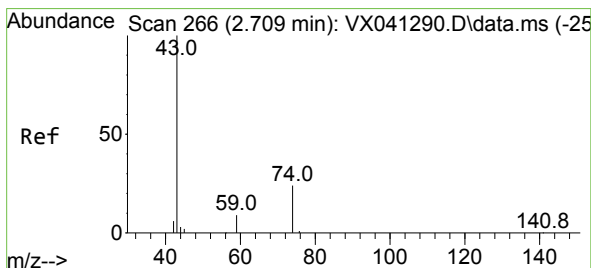
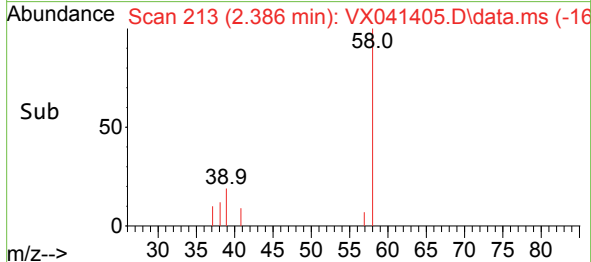
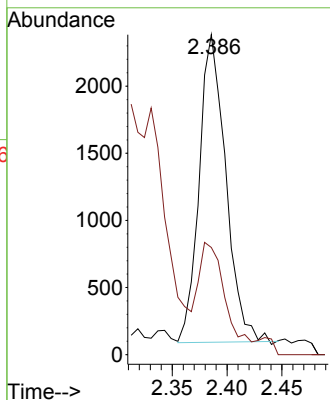
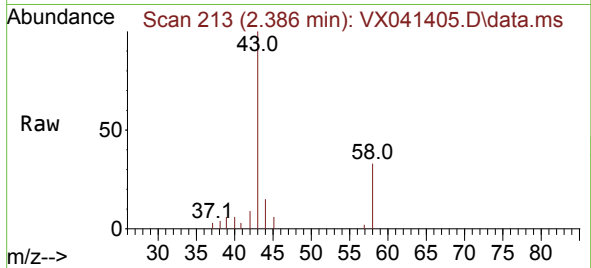




#16
Acetone
Concen: 0.727 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX041405.D
Acq: 07 May 2024 14:40

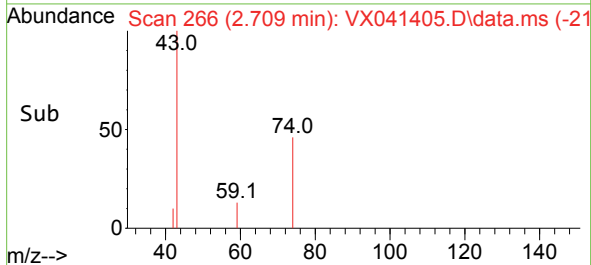
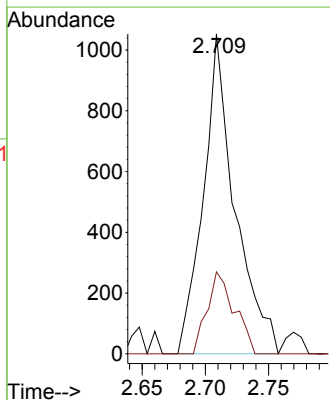
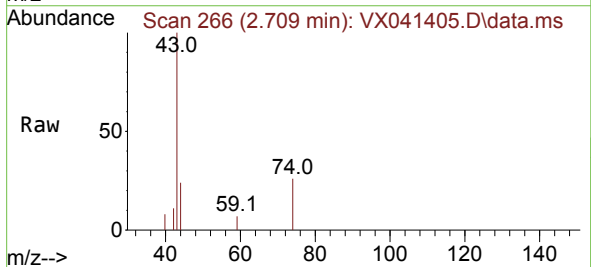
Instrument :
MSVOA_X
ClientSampleId :

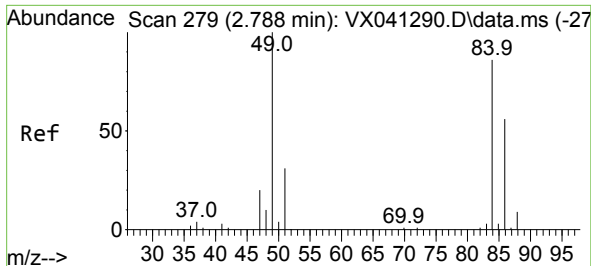
Tgt Ion: 43 Resp: 3861
Ion Ratio Lower Upper
43 100
58 34.9 21.9 32.9#



#18
Methyl Acetate
Concen: 0.941 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX041405.D
Acq: 07 May 2024 14:40

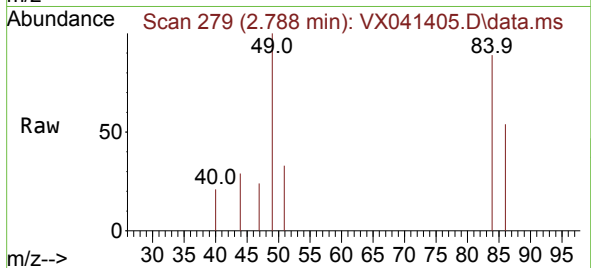
Tgt Ion: 43 Resp: 1824
Ion Ratio Lower Upper
43 100
74 22.1 17.8 26.8



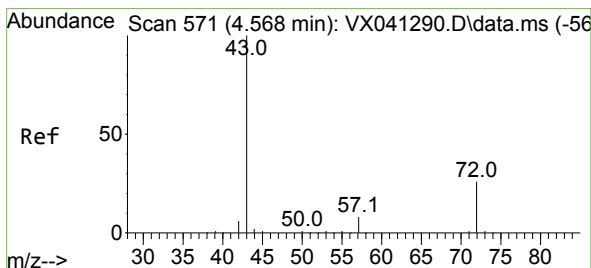
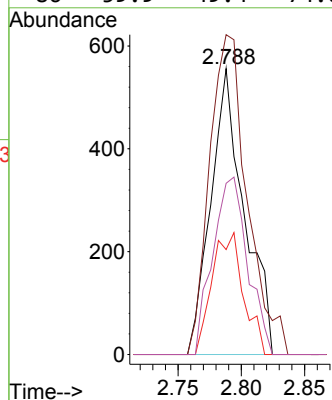


#20
Methylene Chloride
Concen: 0.621 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX041405.D
Acq: 07 May 2024 14:40

Instrument :
MSVOA_X
ClientSampleId :

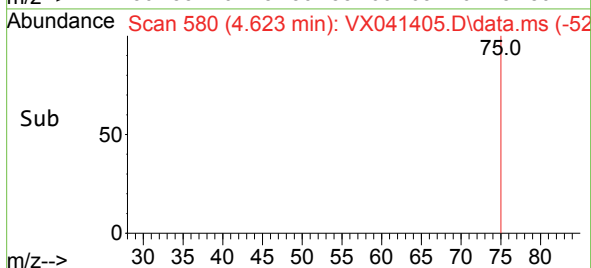
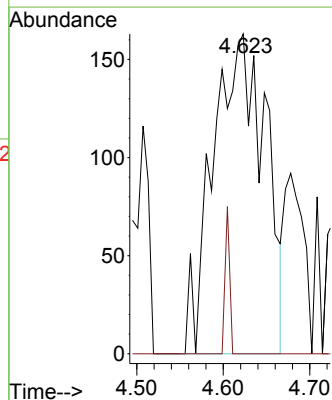
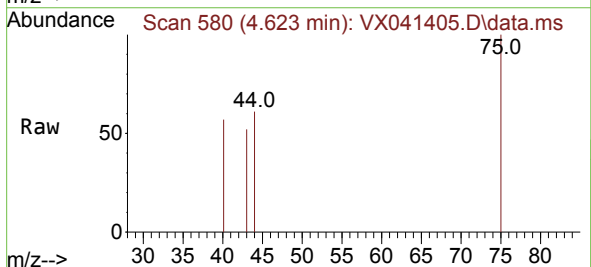


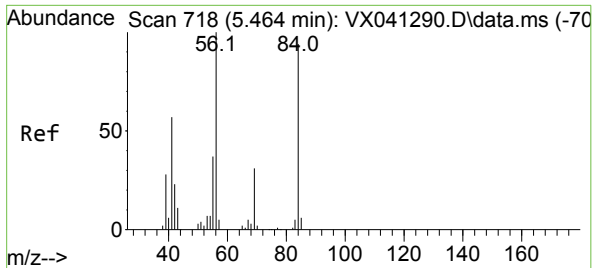
Tgt Ion: 84	Resp: 1022
Ion Ratio	Lower Upper
84 100	
49 111.9	103.6 155.4
51 36.7	33.8 50.6
86 59.9	49.4 74.0



#25
2-Butanone
Concen: 0.555 ug/l
RT: 4.623 min Scan# 580
Delta R.T. 0.055 min
Lab File: VX041405.D
Acq: 07 May 2024 14:40

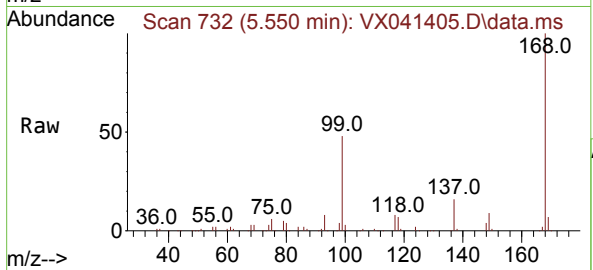
Tgt Ion: 43	Resp: 681
Ion Ratio	Lower Upper
43 100	
72 0.0	19.4 29.2#



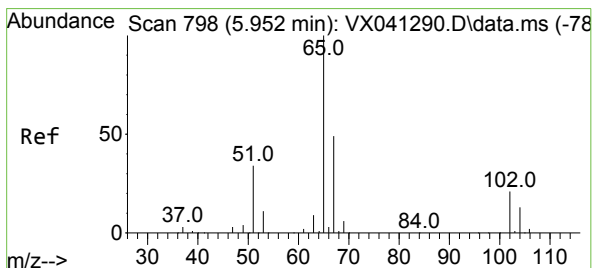
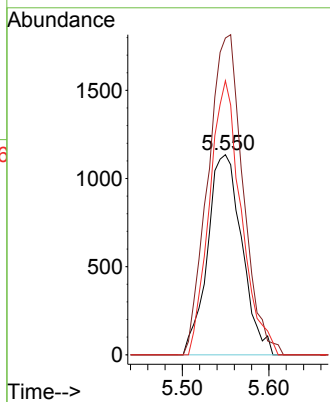
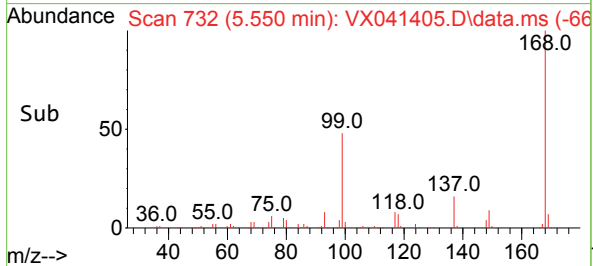


#31
Cyclohexane
Concen: 1.367 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX041405.D
Acq: 07 May 2024 14:40

Instrument :
MSVOA_X
ClientSampleId :

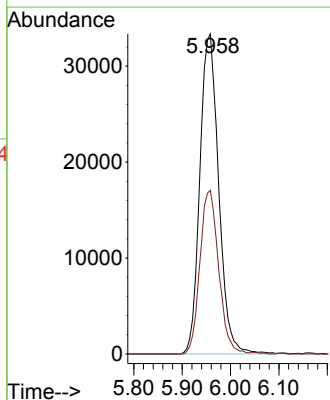
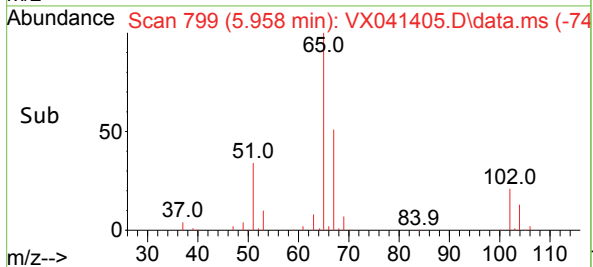
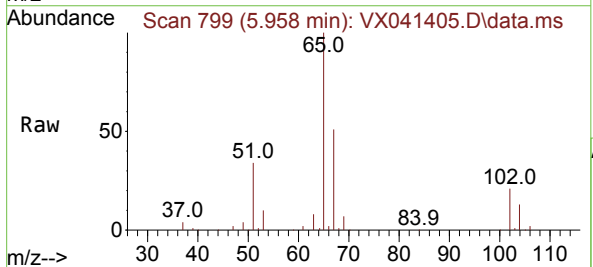


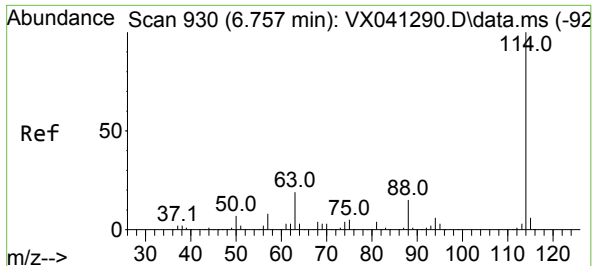
Tgt Ion: 56 Resp: 3126
Ion Ratio Lower Upper
56 100
69 158.3 23.4 35.2#
84 137.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.616 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX041405.D
Acq: 07 May 2024 14:40

Tgt Ion: 65 Resp: 90222
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.2

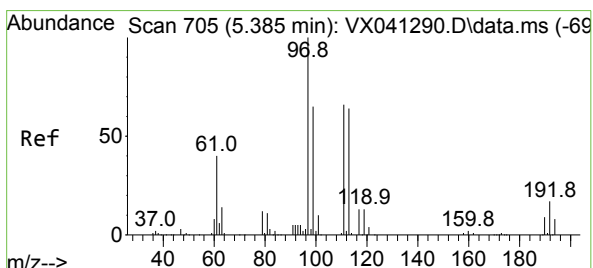
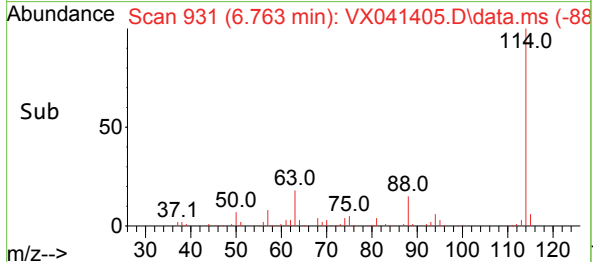
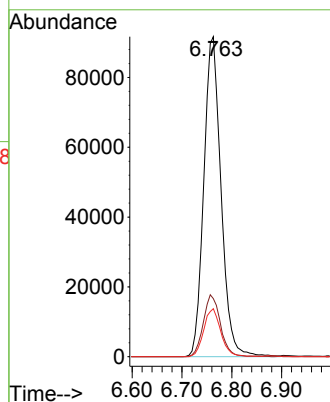
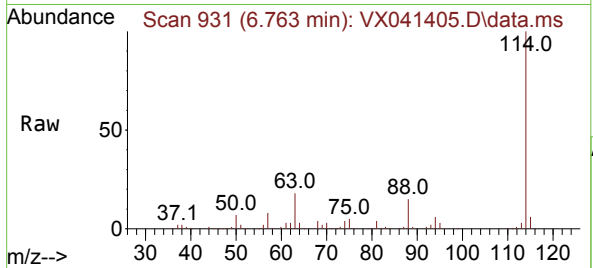




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX041405.D
Acq: 07 May 2024 14:40

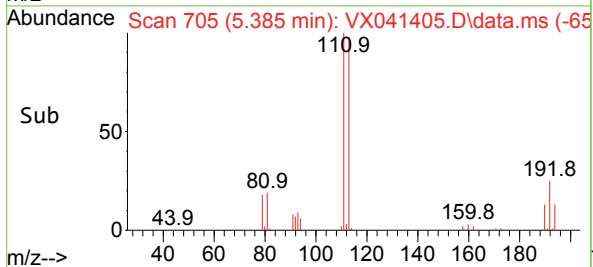
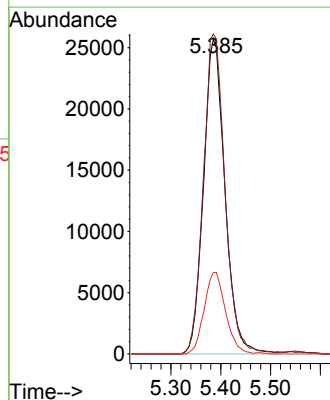
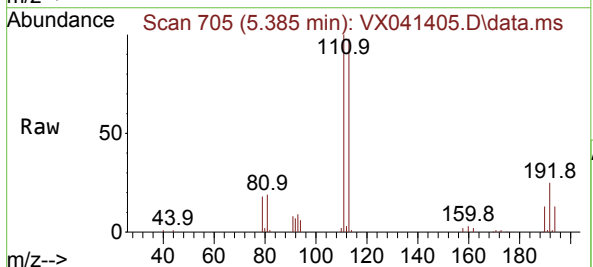
Instrument :
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ClientSampleId :

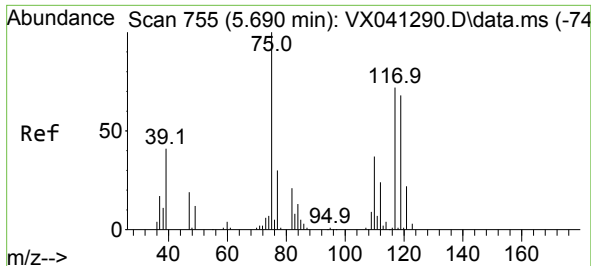
Tgt Ion:114 Resp: 220228
Ion Ratio Lower Upper
114 100
63 18.2 0.0 45.0
88 15.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 51.422 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX041405.D
Acq: 07 May 2024 14:40

Tgt Ion:113 Resp: 76743
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 25.8 13.3 19.9#

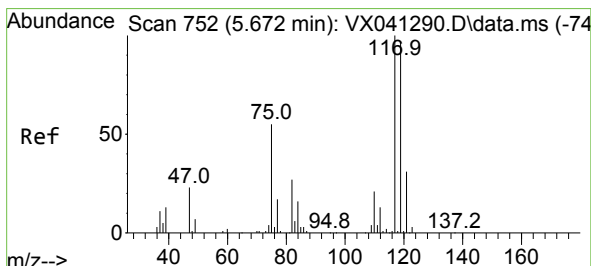
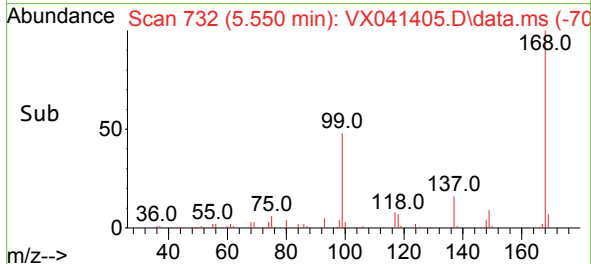
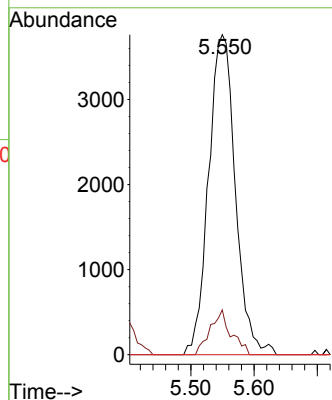
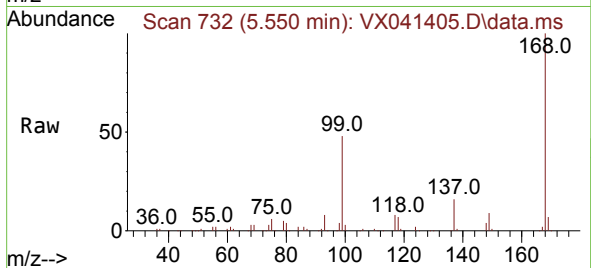




#36
1,1-Dichloropropene
Concen: 6.196 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX041405.D
Acq: 07 May 2024 14:40

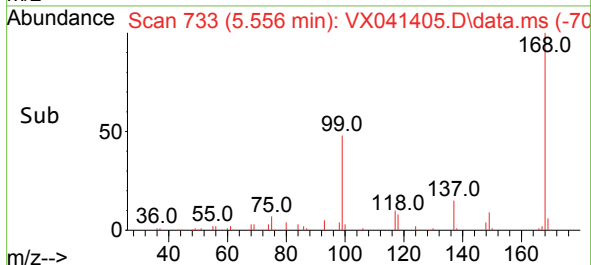
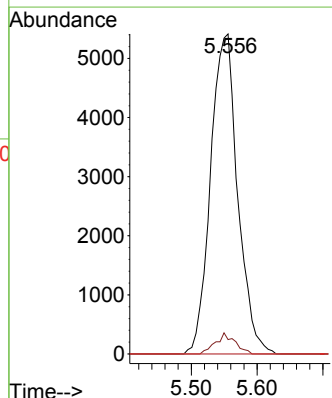
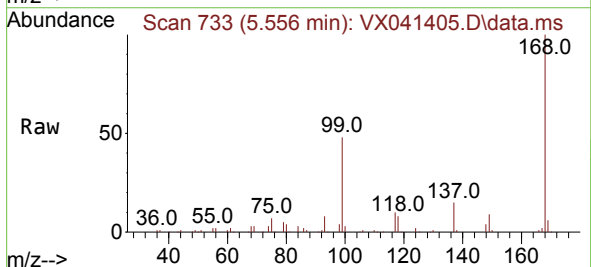
Instrument :
MSVOA_X
ClientSampleId :

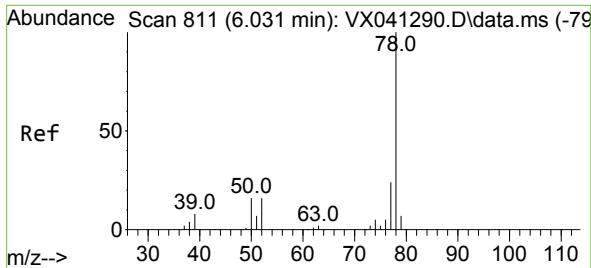
Tgt Ion: 75 Resp: 11058
Ion Ratio Lower Upper
75 100
110 10.9 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 7.607 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.116 min
Lab File: VX041405.D
Acq: 07 May 2024 14:40

Tgt Ion: 117 Resp: 15551
Ion Ratio Lower Upper
117 100
119 4.5 78.2 117.2#
121 0.0 24.4 36.6#

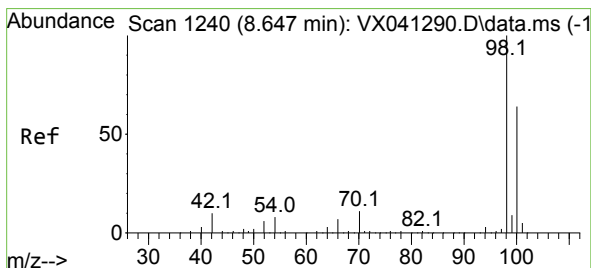
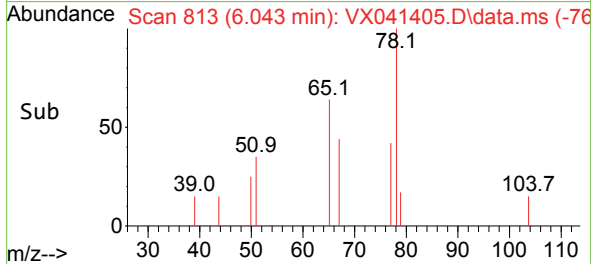
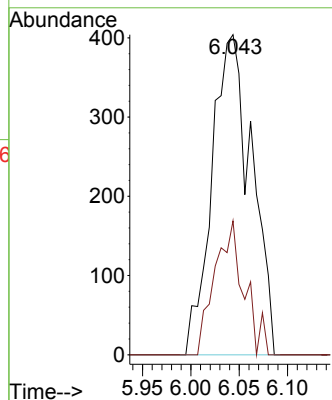
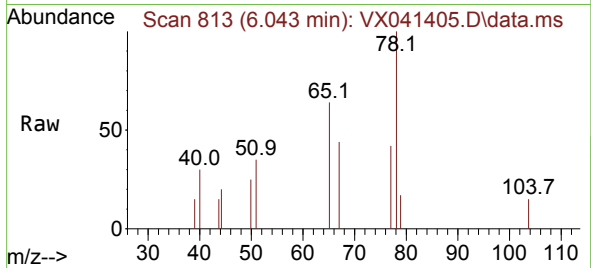




#40
Benzene
Concen: 0.210 ug/l
RT: 6.043 min Scan# 811
Delta R.T. 0.012 min
Lab File: VX041405.D
Acq: 07 May 2024 14:40

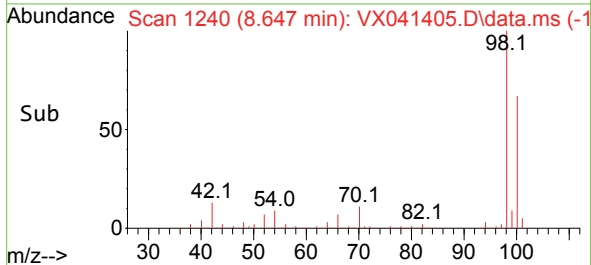
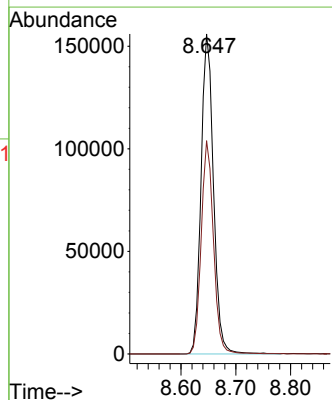
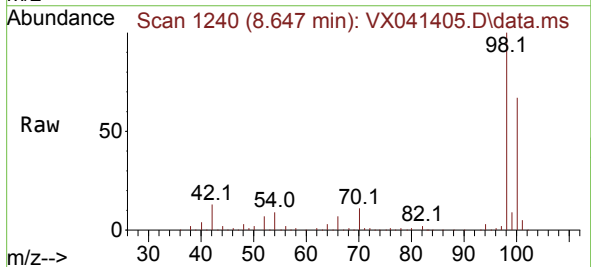
Instrument :
MSVOA_X
ClientSampleId :

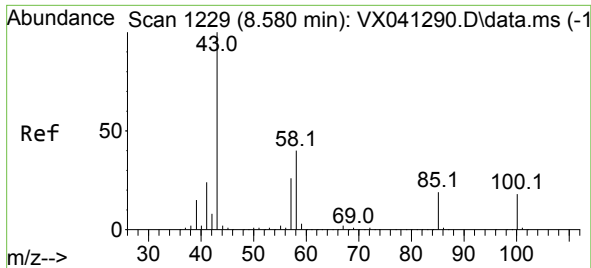
Tgt Ion: 78 Resp: 1153
Ion Ratio Lower Upper
78 100
77 41.8 19.3 28.9#



#50
Toluene-d8
Concen: 51.941 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX041405.D
Acq: 07 May 2024 14:40

Tgt Ion: 98 Resp: 245352
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7

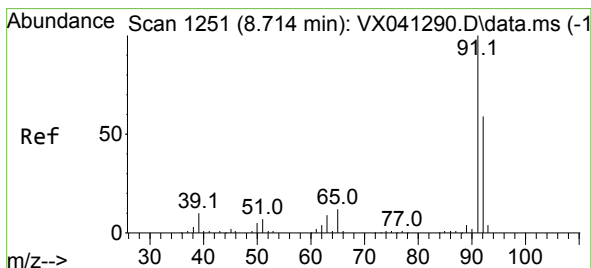
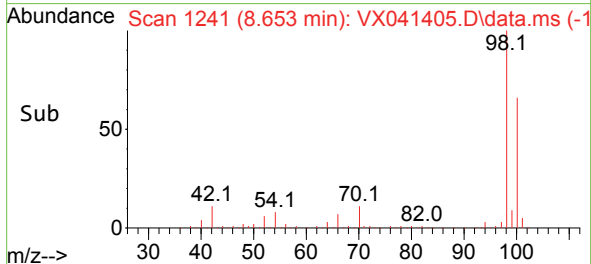
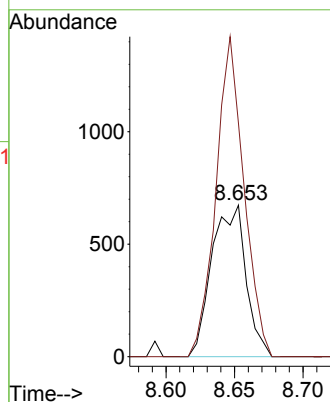
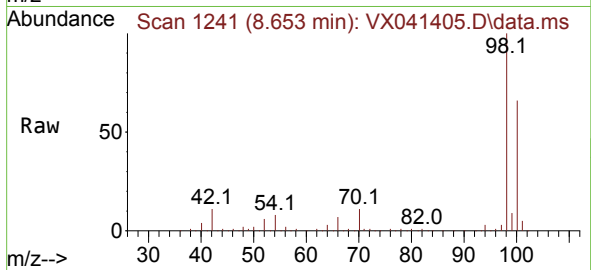




#51
4-Methyl-2-Pentanone
Concen: 0.580 ug/l
RT: 8.653 min Scan# 1166
Delta R.T. 0.073 min
Lab File: VX041405.D
Acq: 07 May 2024 14:40

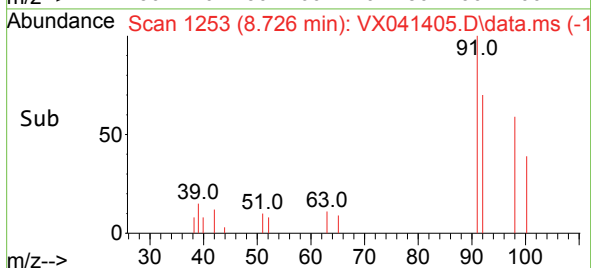
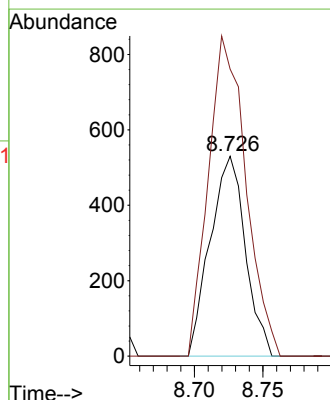
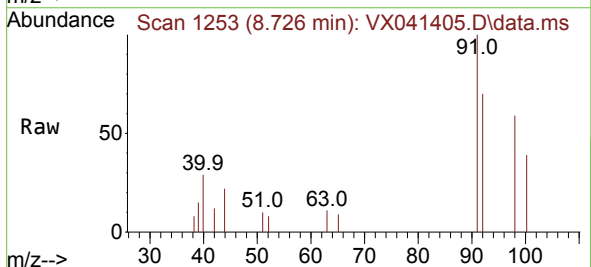
Instrument :
MSVOA_X
ClientSampleId :

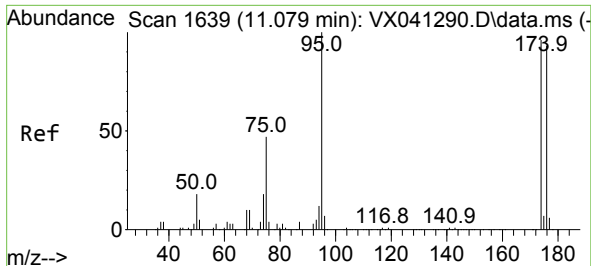
Tgt Ion: 43 Resp: 1166
Ion Ratio Lower Upper
43 100
58 173.6 30.4 45.6#



#52
Toluene
Concen: 0.281 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.012 min
Lab File: VX041405.D
Acq: 07 May 2024 14:40

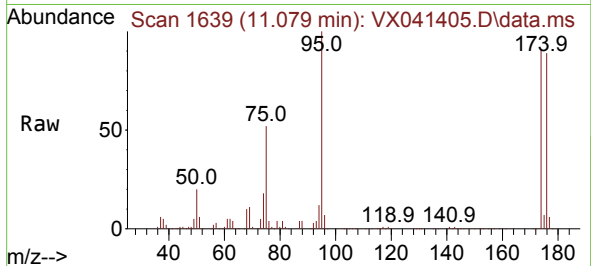
Tgt Ion: 92 Resp: 947
Ion Ratio Lower Upper
92 100
91 170.6 134.2 201.2



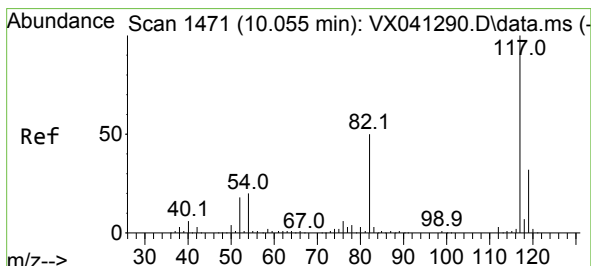
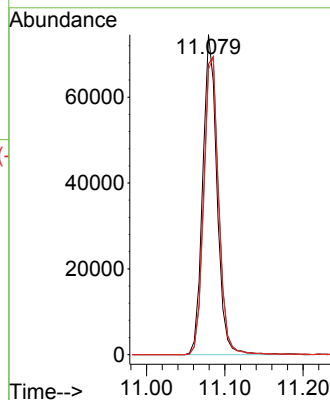
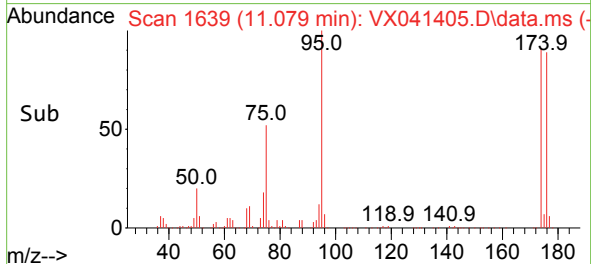


#62
4-Bromofluorobenzene
Concen: 51.418 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX041405.D
Acq: 07 May 2024 14:40

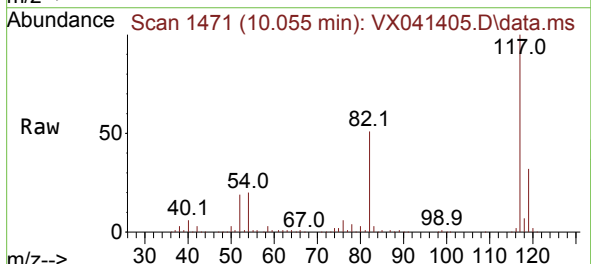
Instrument :
MSVOA_X
ClientSampleId :



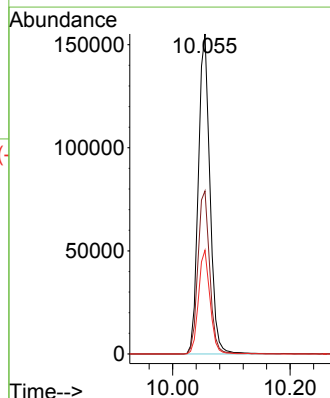
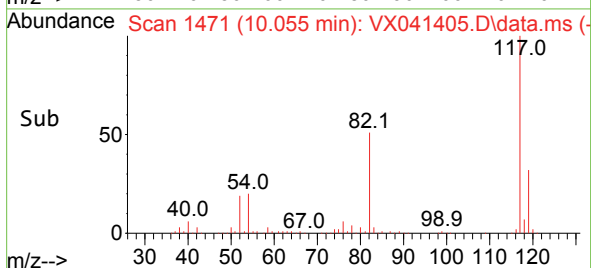
Tgt Ion: 95 Resp: 94020
Ion Ratio Lower Upper
95 100
174 98.9 0.0 135.6
176 96.0 0.0 131.0

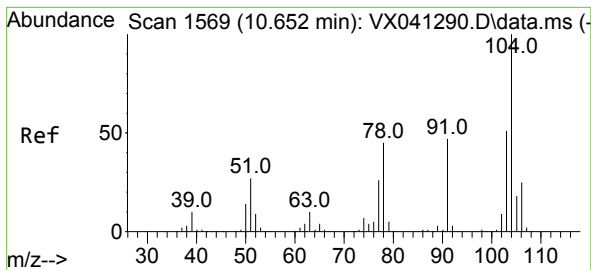


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041405.D
Acq: 07 May 2024 14:40



Tgt Ion: 117 Resp: 213268
Ion Ratio Lower Upper
117 100
82 50.9 46.2 69.4
119 32.4 25.5 38.3





#70

Styrene

Concen: 0.425 ug/l

RT: 10.665 min Scan# 1571

Delta R.T. 0.012 min

Lab File: VX041405.D

Acq: 07 May 2024 14:40

Instrument :

MSVOA_X

ClientSampleId :

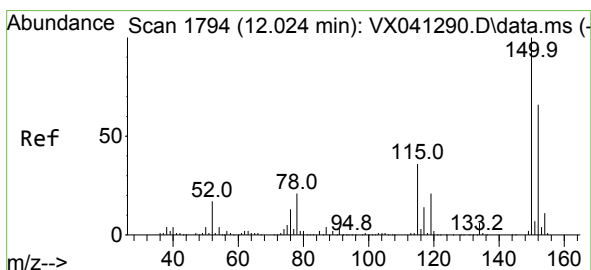
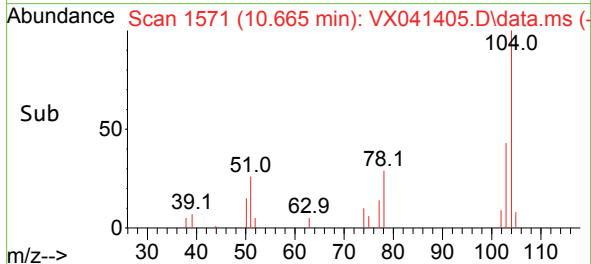
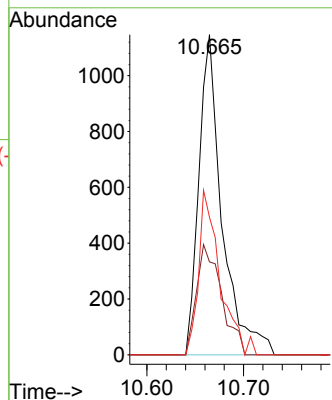
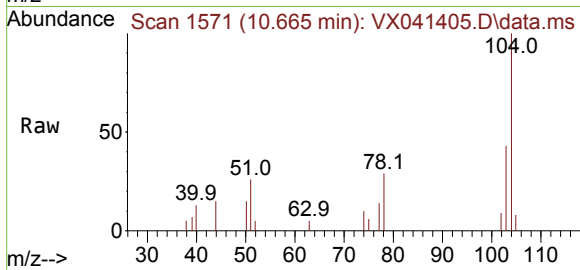
Tgt Ion:104 Resp: 1909

Ion Ratio Lower Upper

104 100

78 37.2 43.6 65.4#

103 47.4 43.6 65.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX041405.D

Acq: 07 May 2024 14:40

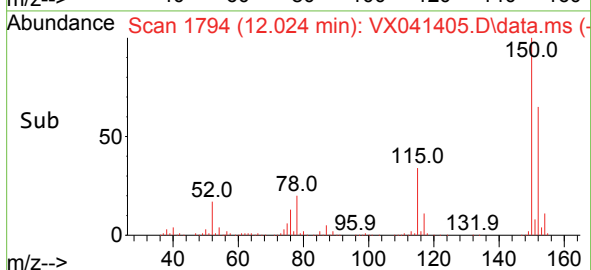
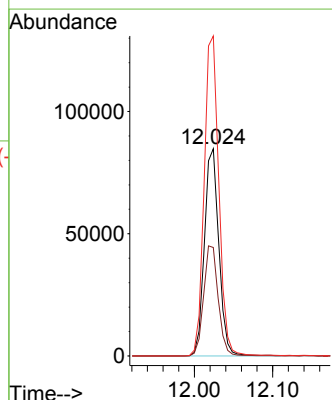
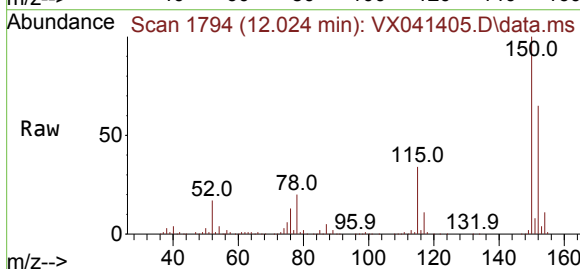
Tgt Ion:152 Resp: 108418

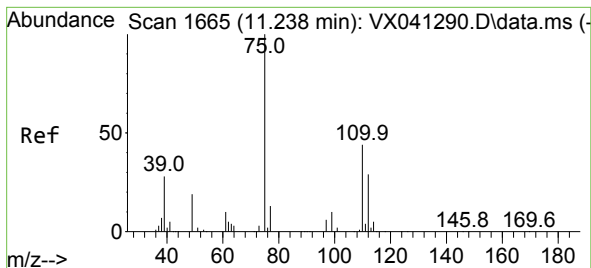
Ion Ratio Lower Upper

152 100

115 53.9 43.3 129.9

150 156.6 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 27.739 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041405.D

Acq: 07 May 2024 14:40

Instrument :

MSVOA_X

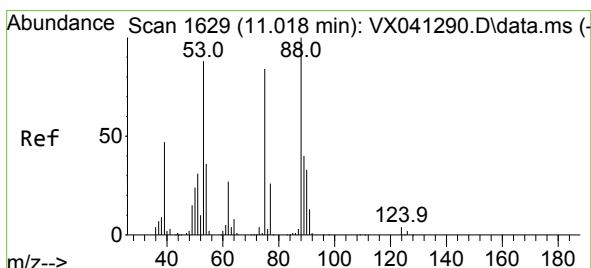
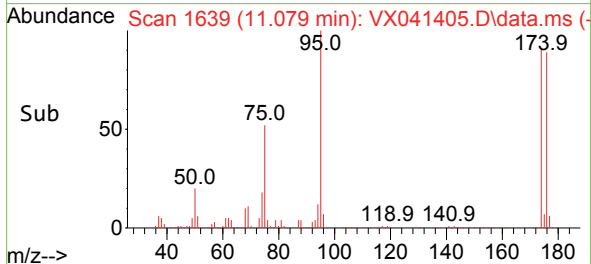
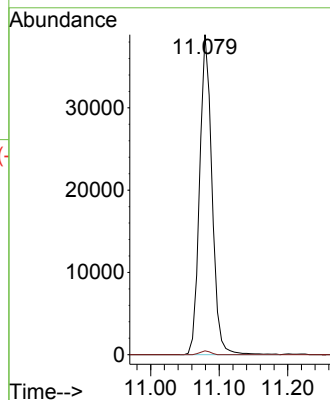
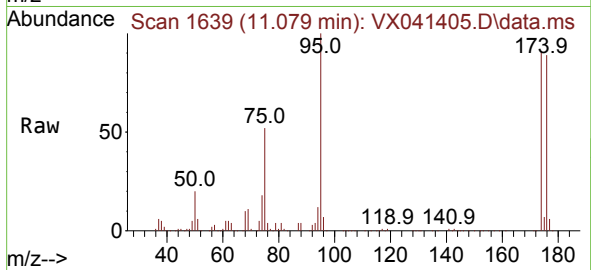
ClientSampleId :

Tgt Ion: 75 Resp: 49012

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.559 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041405.D

Acq: 07 May 2024 14:40

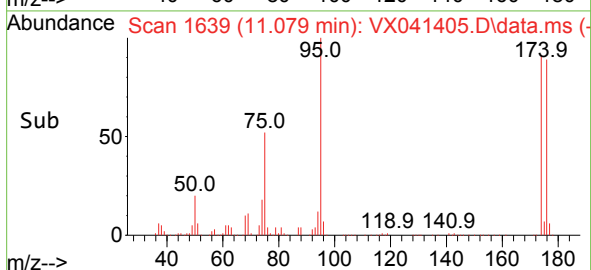
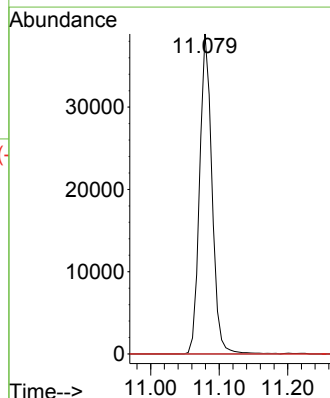
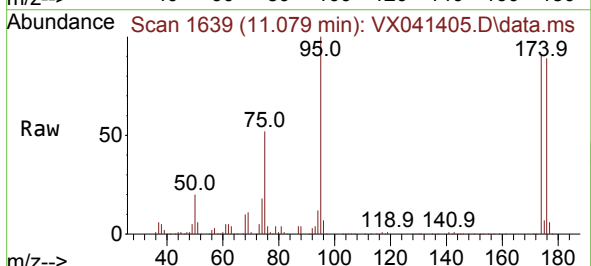
Tgt Ion: 75 Resp: 49012

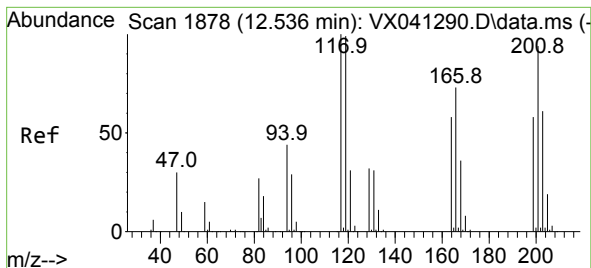
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

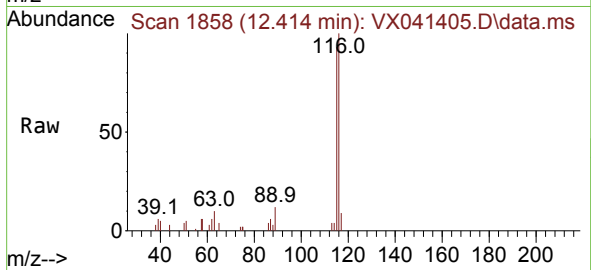
89 0.0 36.9 55.3#



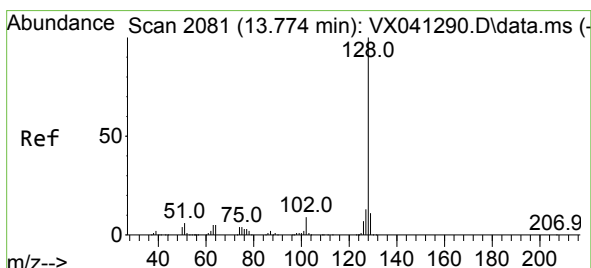
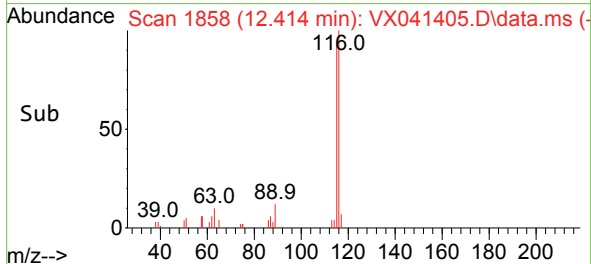
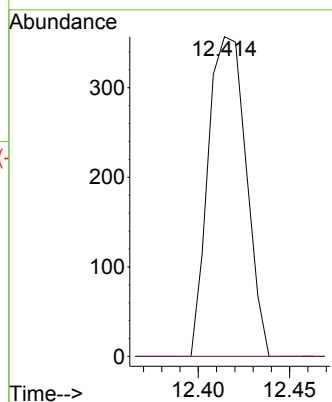


#90
Hexachloroethane
Concen: 0.519 ug/l
RT: 12.414 min Scan# 1858
Delta R.T. -0.122 min
Lab File: VX041405.D
Acq: 07 May 2024 14:40

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:117 Resp: 516
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#



#95
Naphthalene
Concen: 0.365 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX041405.D
Acq: 07 May 2024 14:40

Tgt Ion:128 Resp: 2714
Ion Ratio Lower Upper
128 100
127 9.4 10.3 15.5#
129 10.6 8.8 13.2

