

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070224\
 Data File : VX042135.D
 Acq On : 02 Jul 2024 13:24
 Operator : JC/MD
 Sample : P3143-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 03 03:32:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

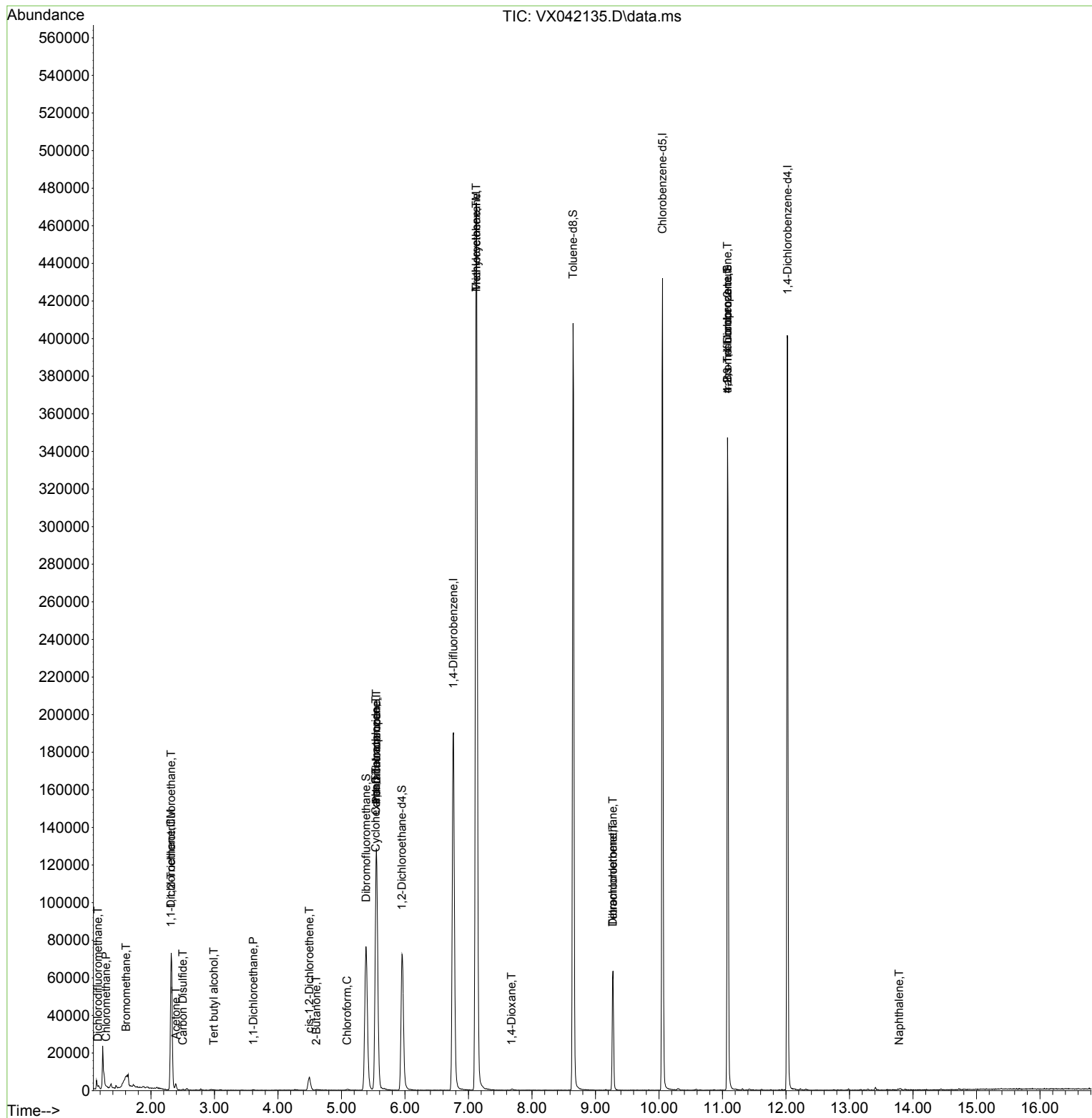
Internal Standards						
1) Pentafluorobenzene	5.550	168	143083	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	216969	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101066	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70714	42.859	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.720%
35) Dibromofluoromethane	5.385	113	68734	44.647	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.300%
50) Toluene-d8	8.647	98	252517	46.690	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.380%
62) 4-Bromofluorobenzene	11.079	95	93176	46.736	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.480%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	421	0.386	ug/l	89
3) Chloromethane	1.295	50	480	0.351	ug/l	# 88
5) Bromomethane	1.605	94	254	0.375	ug/l	# 66
6) Chloroethane	1.666	64	239	Below Cal	#	43
9) 1,1,2-Trichlorotrifluo...	2.319	101	28810	23.287	ug/l	86
11) Tert butyl alcohol	2.989	59	477	1.523	ug/l	# 78
12) 1,1-Dichloroethene	2.313	96	950	0.770	ug/l	# 75
16) Acetone	2.392	43	2744	3.788	ug/l	98
17) Carbon Disulfide	2.502	76	647	0.257	ug/l	# 76
24) 1,1-Dichloroethane	3.611	63	542	0.234	ug/l	# 83
25) 2-Butanone	4.605	43	527	0.468	ug/l	91
27) cis-1,2-Dichloroethene	4.495	96	5106	3.255	ug/l	76
30) Chloroform	5.087	83	662	0.274	ug/l	95
31) Cyclohexane	5.538	56	1889	0.979	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	7950	4.863	ug/l	# 51
38) Carbon Tetrachloride	5.544	117	12021	6.655	ug/l	# 15
39) Methylcyclohexane	7.123	83	2091	1.011	ug/l	# 1
44) Trichloroethene	7.123	130	208431	141.029	ug/l	84
49) 1,4-Dioxane	7.678	88	724	37.121	ug/l	# 79
60) Dibromochloromethane	9.275	129	12313	7.750	ug/l	# 11
64) Tetrachloroethene	9.275	164	14213	9.099	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	41353	22.539	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	41353	64.008	ug/l	# 5
95) Naphthalene	13.780	128	744	0.849	ug/l	# 73

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

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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

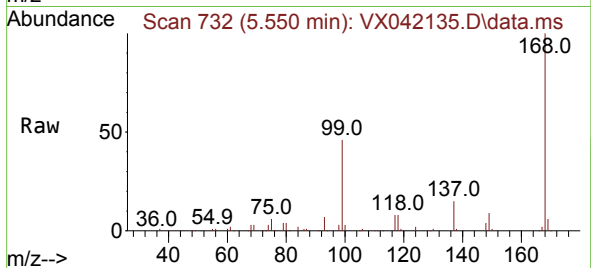
Quant Time: Jul 03 03:32:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
Response via : Initial Calibration



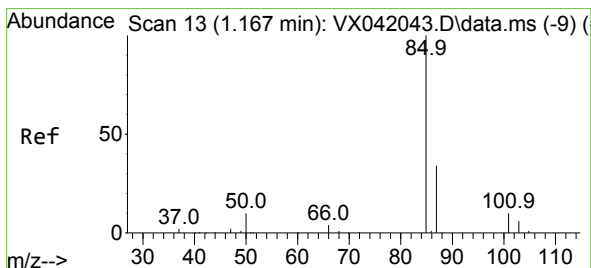
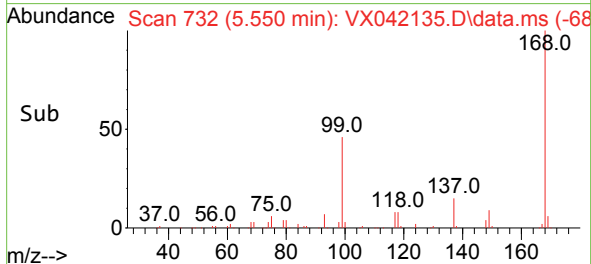
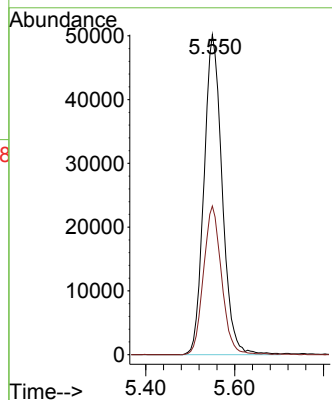


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

Instrument :
MSVOA_X
ClientSampleId :

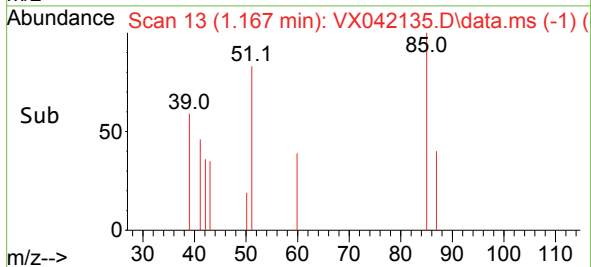
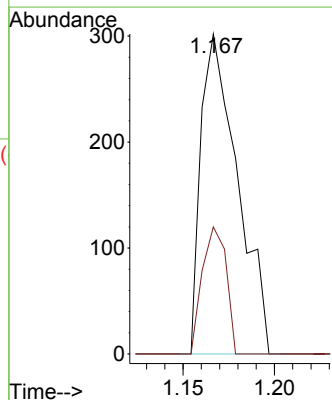
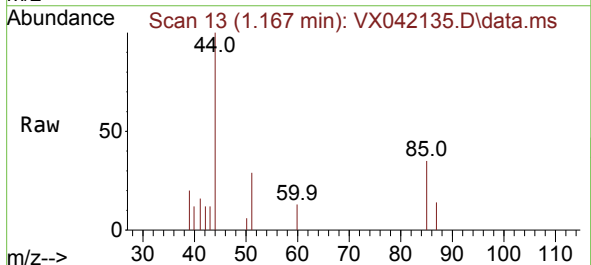


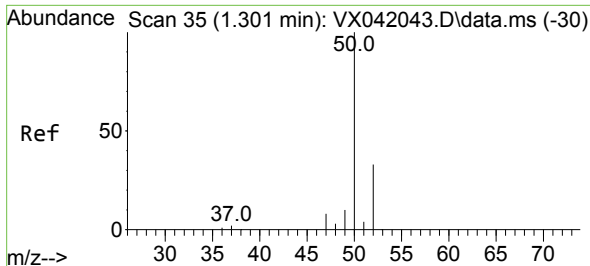
Tgt Ion:168 Resp: 143083
Ion Ratio Lower Upper
168 100
99 46.4 56.6 85.0#



#2
Dichlorodifluoromethane
Concen: 0.386 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

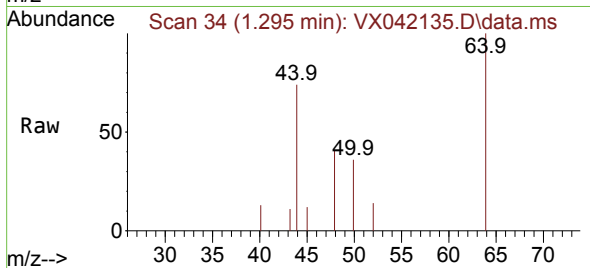
Tgt Ion: 85 Resp: 421
Ion Ratio Lower Upper
85 100
87 39.7 16.7 50.1



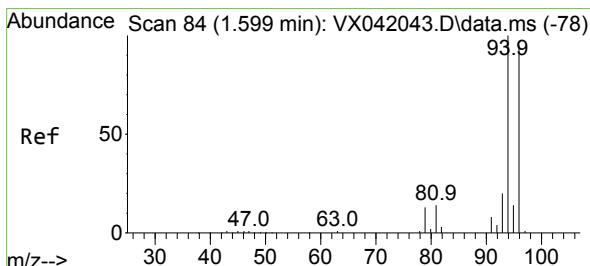
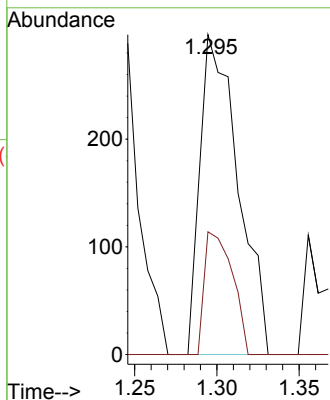
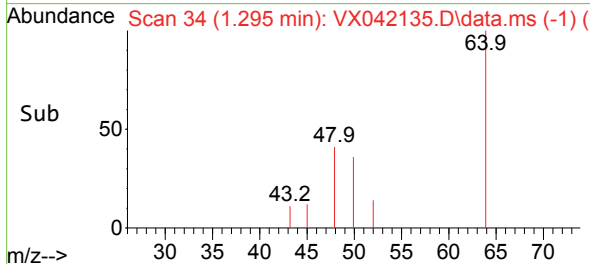


#3
Chloromethane
Concen: 0.351 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

Instrument :
MSVOA_X
ClientSampleId :

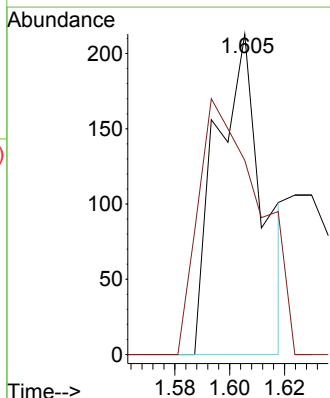
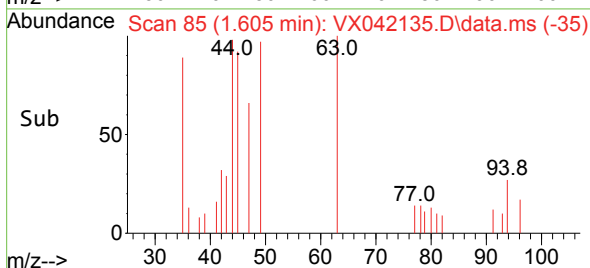
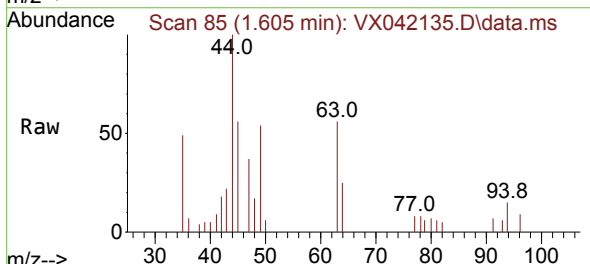


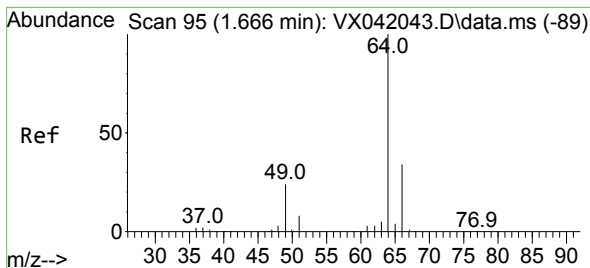
Tgt Ion: 50 Resp: 480
Ion Ratio Lower Upper
50 100
52 38.4 25.5 38.3#



#5
Bromomethane
Concen: 0.375 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

Tgt Ion: 94 Resp: 254
Ion Ratio Lower Upper
94 100
96 60.6 74.6 111.8#





#6

Chloroethane

Concen: Below Cal

RT: 1.666 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX042135.D

Acq: 02 Jul 2024 13:24

Instrument :

MSVOA_X

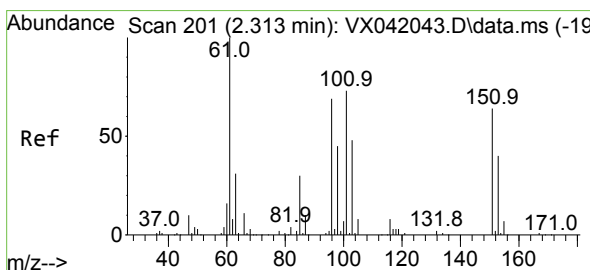
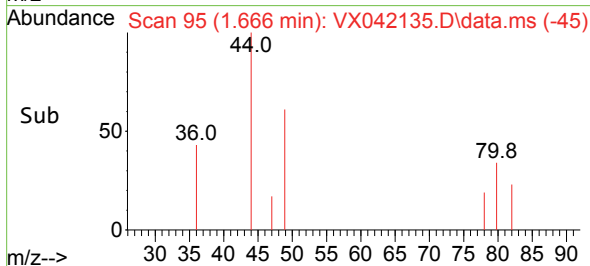
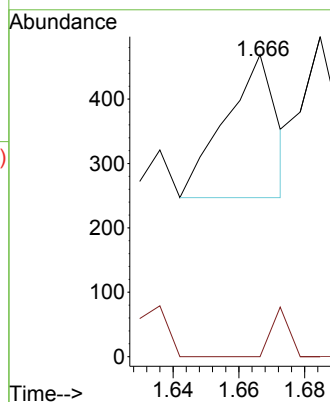
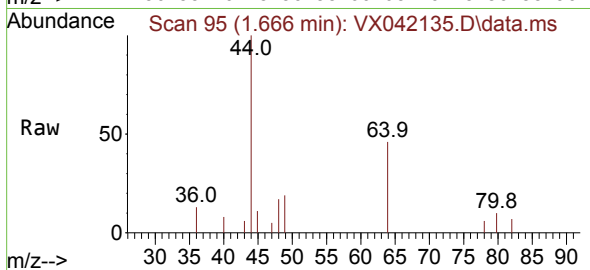
ClientSampleId :

Tgt Ion: 64 Resp: 239

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.287 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX042135.D

Acq: 02 Jul 2024 13:24

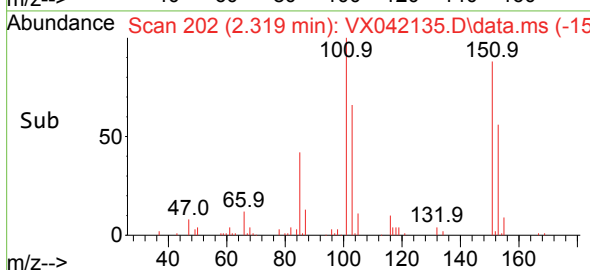
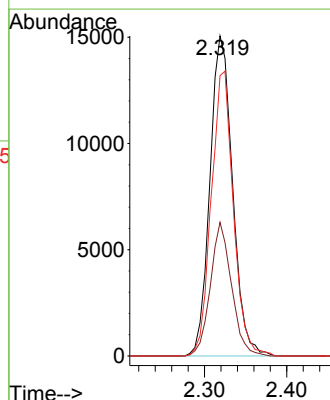
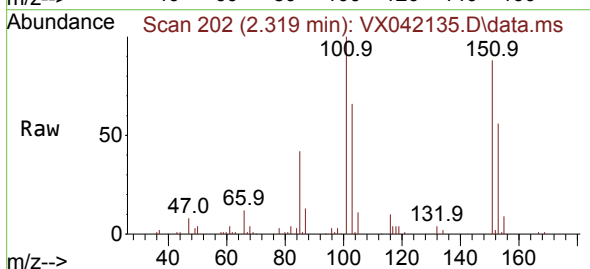
Tgt Ion: 101 Resp: 28810

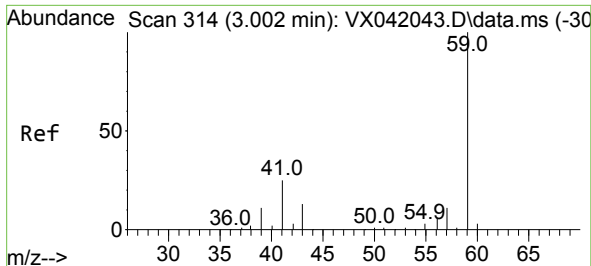
Ion Ratio Lower Upper

101 100

85 39.0 37.0 55.6

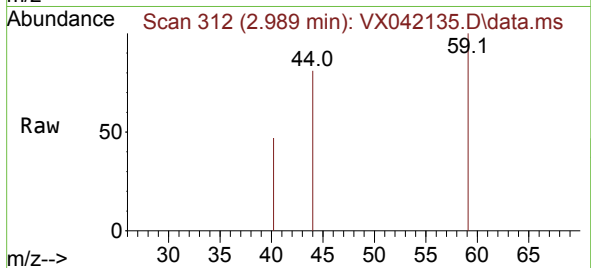
151 86.9 58.6 87.8



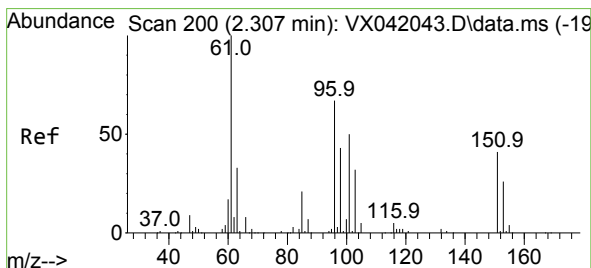
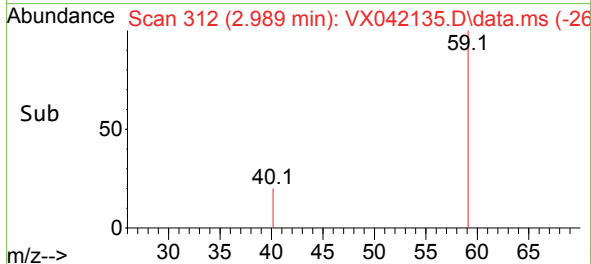
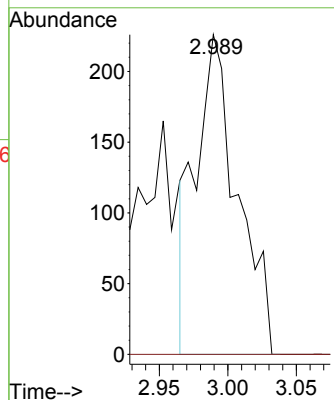


#11
Tert butyl alcohol
Concen: 1.523 ug/l
RT: 2.989 min Scan# 314
Delta R.T. -0.018 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

Instrument :
MSVOA_X
ClientSampleId :

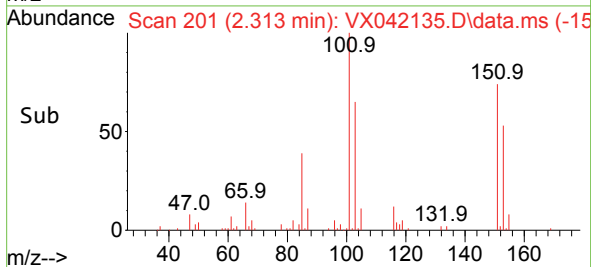
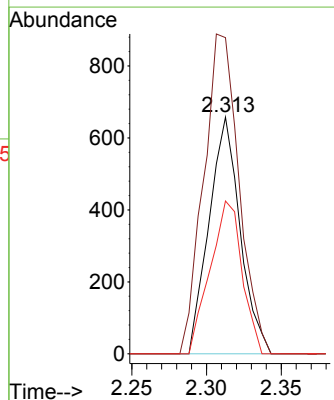
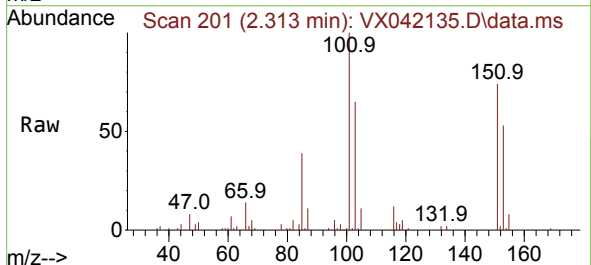


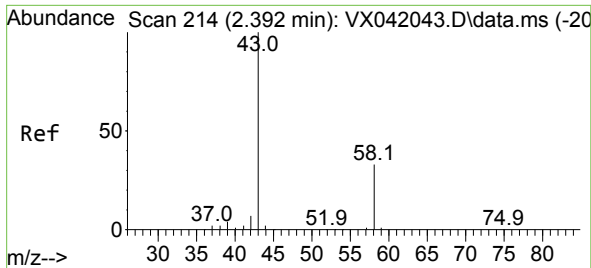
Tgt Ion: 59 Resp: 477
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 0.770 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

Tgt Ion: 96 Resp: 950
Ion Ratio Lower Upper
96 100
61 133.6 144.6 216.8#
98 64.6 50.4 75.6

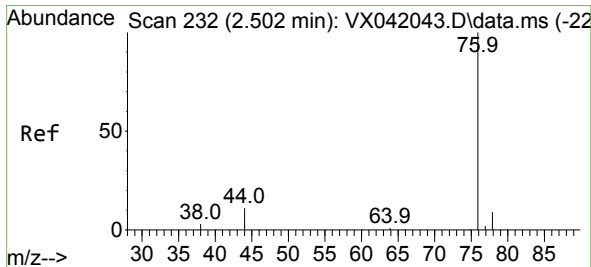
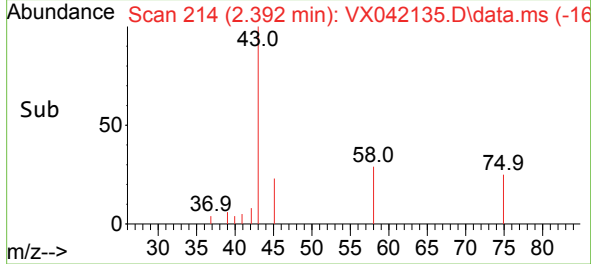
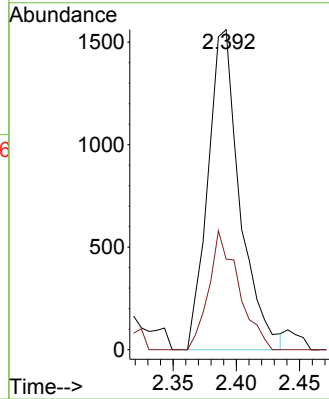
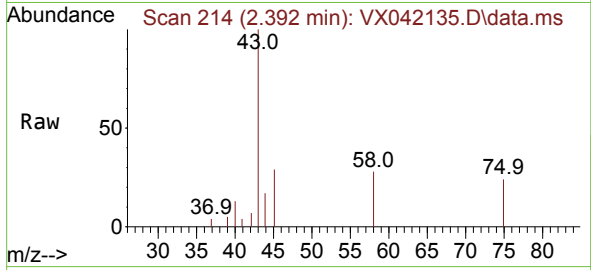




#16
Acetone
Concen: 3.788 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

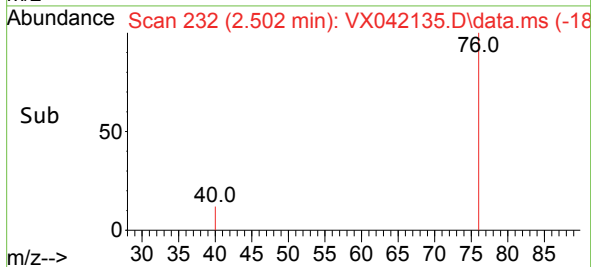
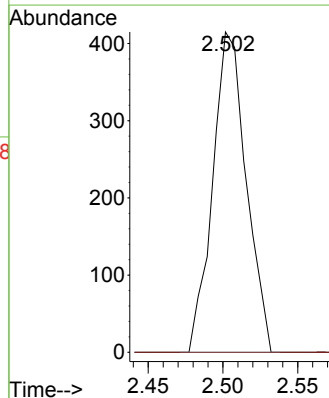
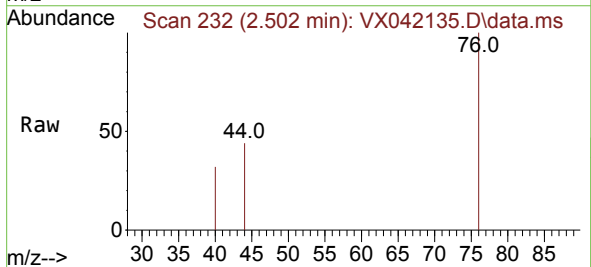
Instrument :
MSVOA_X
ClientSampleId :

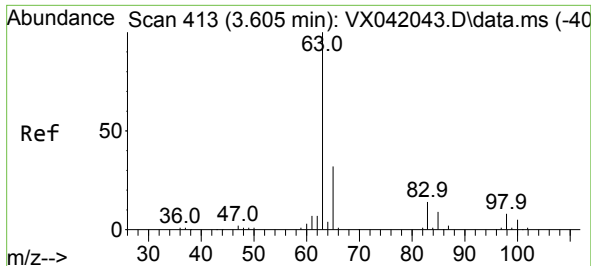
Tgt Ion: 43 Resp: 2744
Ion Ratio Lower Upper
43 100
58 28.3 21.9 32.9



#17
Carbon Disulfide
Concen: 0.257 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

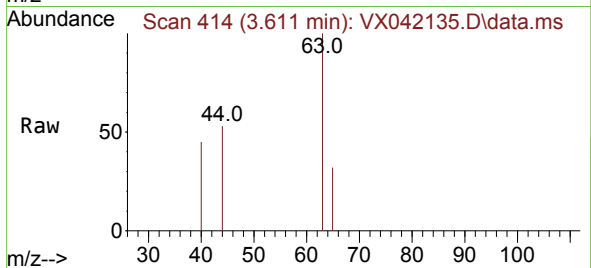
Tgt Ion: 76 Resp: 647
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



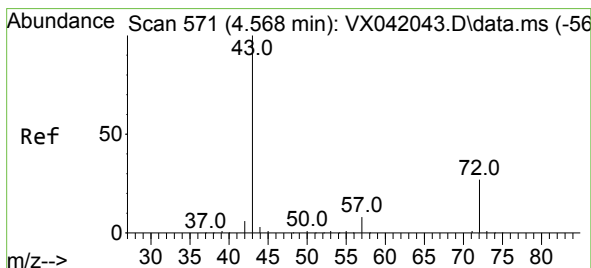
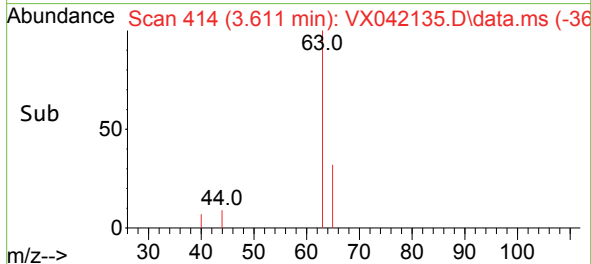
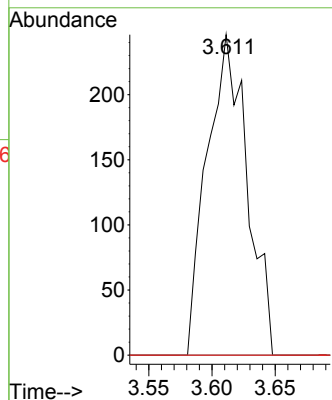


#24
1,1-Dichloroethane
Concen: 0.234 ug/l
RT: 3.611 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

Instrument :
MSVOA_X
ClientSampleId :

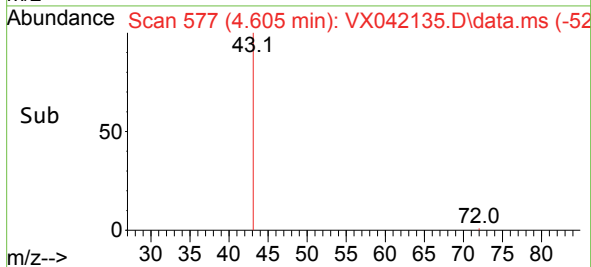
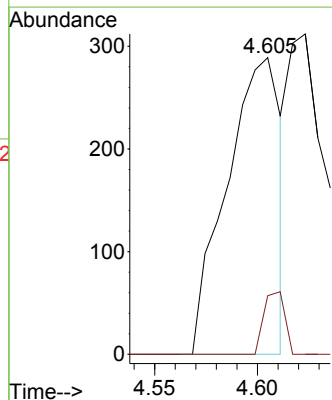
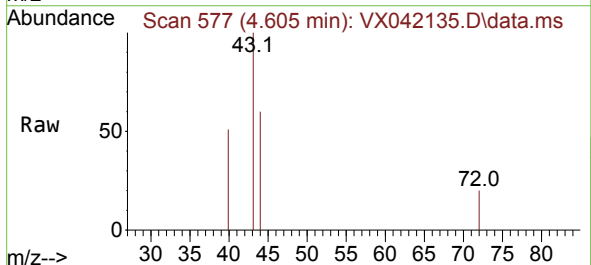


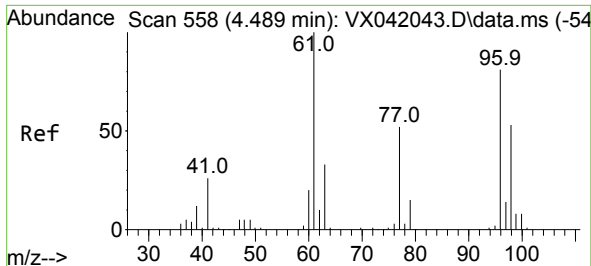
Tgt Ion: 63 Resp: 542
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#



#25
2-Butanone
Concen: 0.468 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.031 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

Tgt Ion: 43 Resp: 527
Ion Ratio Lower Upper
43 100
72 19.7 19.4 29.2

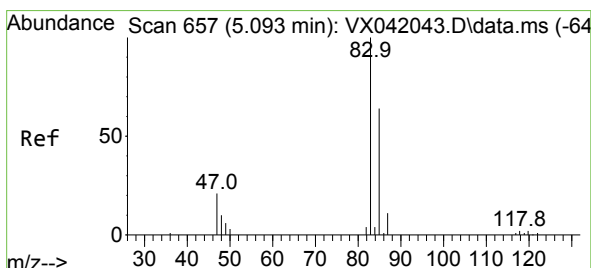
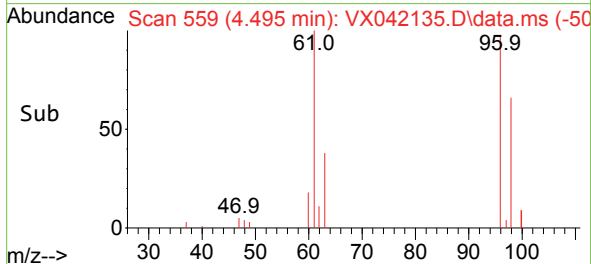
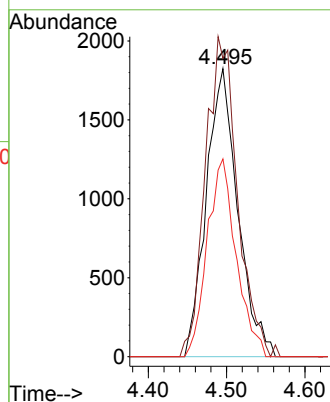
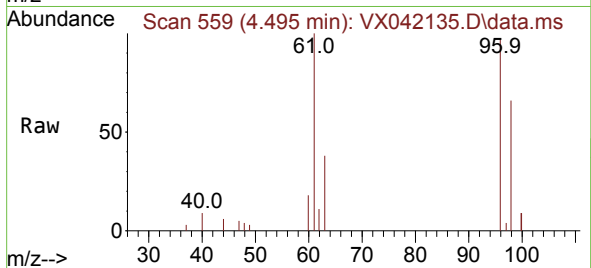




#27
 cis-1,2-Dichloroethene
 Concen: 3.255 ug/l
 RT: 4.495 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VX042135.D
 Acq: 02 Jul 2024 13:24

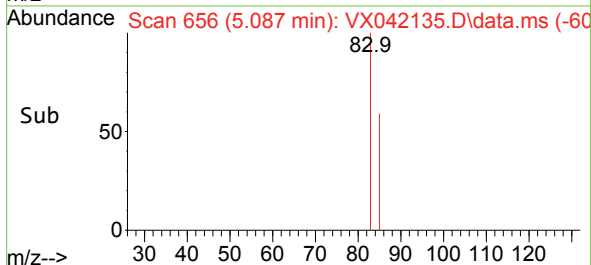
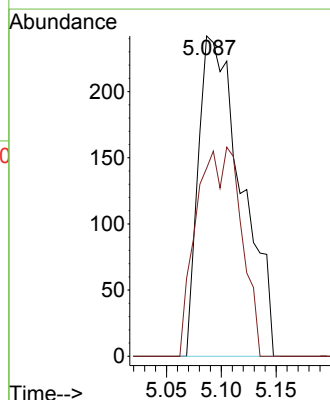
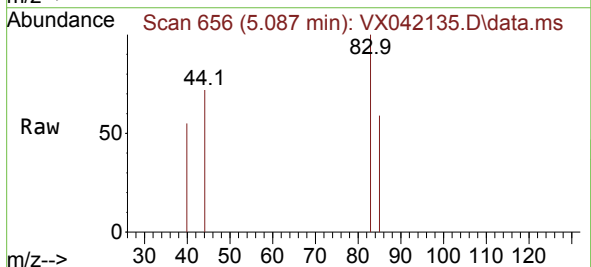
Instrument :
 MSVOA_X
 ClientSampleId :

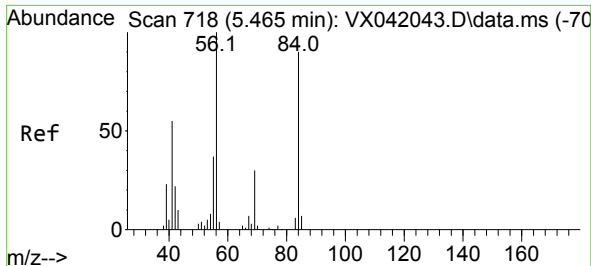
Tgt Ion: 96 Resp: 5106
 Ion Ratio Lower Upper
 96 100
 61 113.1 0.0 312.2
 98 63.1 0.0 129.0



#30
 Chloroform
 Concen: 0.274 ug/l
 RT: 5.087 min Scan# 656
 Delta R.T. -0.012 min
 Lab File: VX042135.D
 Acq: 02 Jul 2024 13:24

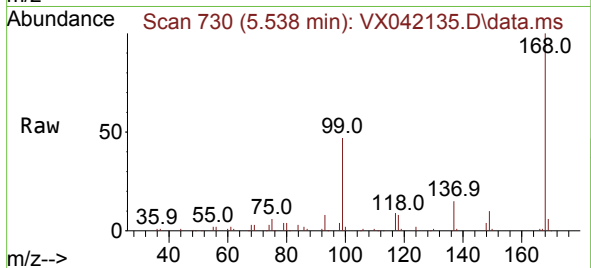
Tgt Ion: 83 Resp: 662
 Ion Ratio Lower Upper
 83 100
 85 58.7 50.3 75.5



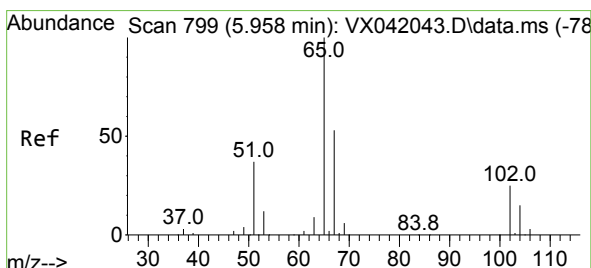
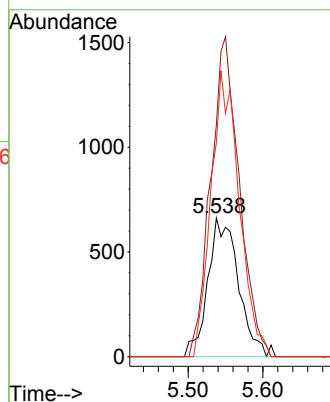
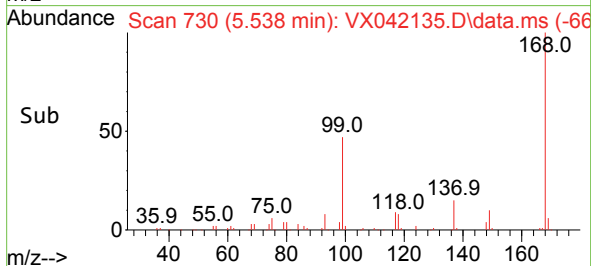


#31
Cyclohexane
Concen: 0.979 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

Instrument :
MSVOA_X
ClientSampleId :

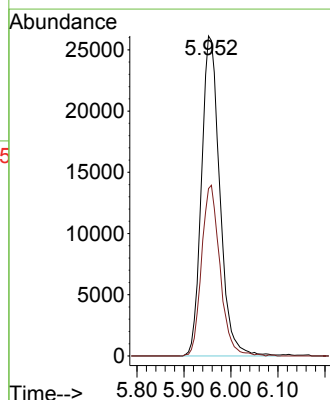
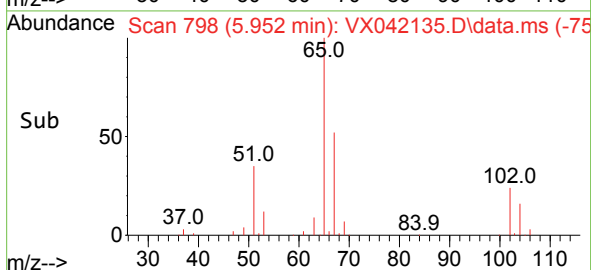
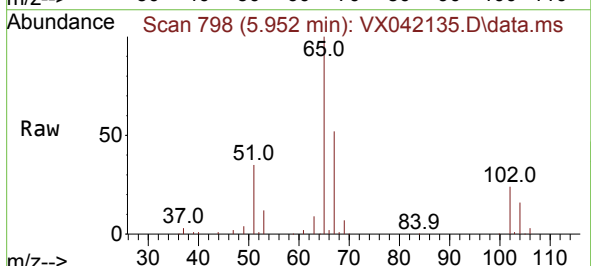


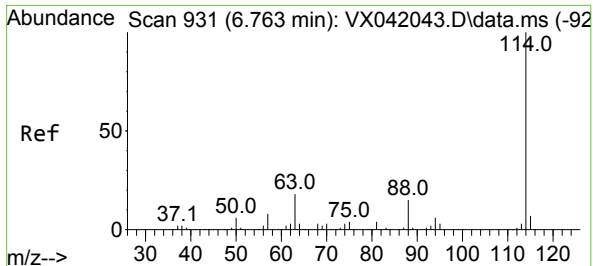
Tgt Ion: 56 Resp: 1889
Ion Ratio Lower Upper
56 100
69 167.2 23.4 35.2#
84 154.1 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.859 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

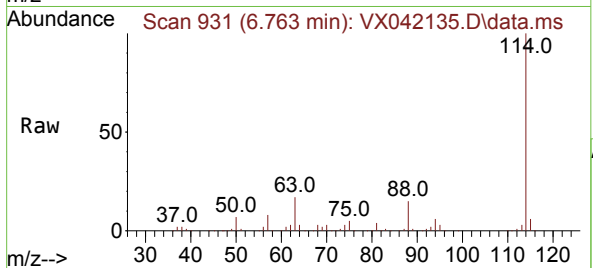
Tgt Ion: 65 Resp: 70714
Ion Ratio Lower Upper
65 100
67 53.7 0.0 100.2



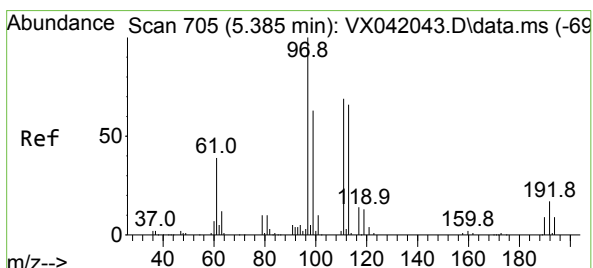
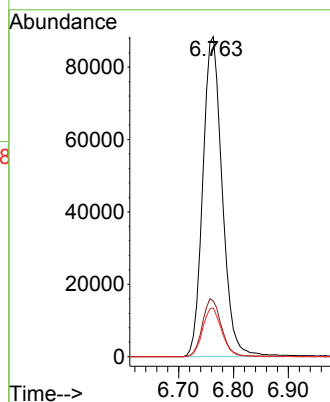
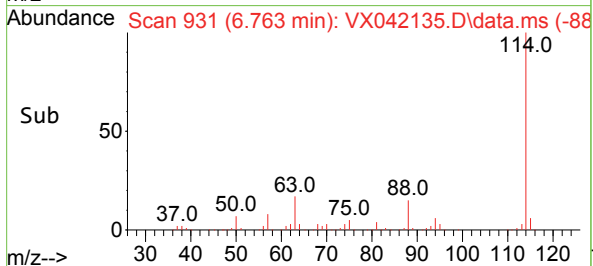


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

Instrument :
MSVOA_X
ClientSampleId :

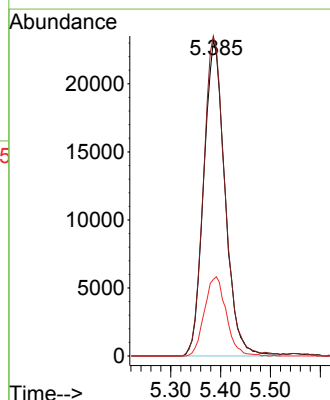
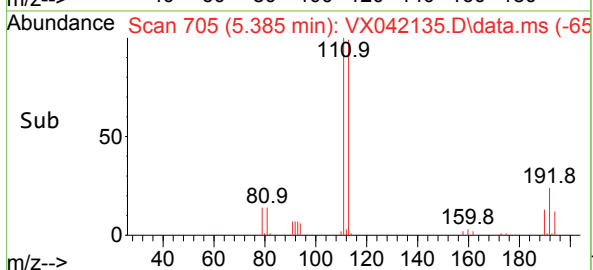
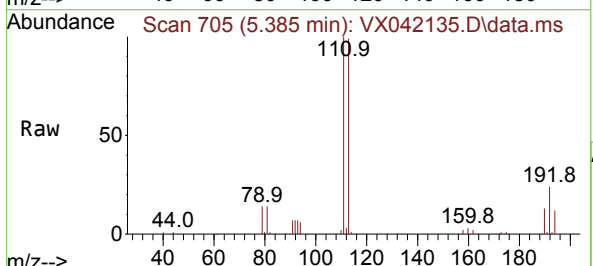


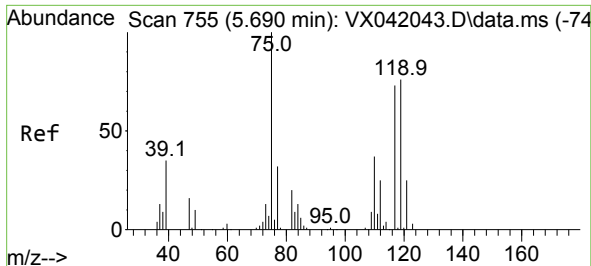
Tgt Ion:114 Resp: 216969
Ion Ratio Lower Upper
114 100
63 17.4 0.0 45.0
88 15.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.647 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

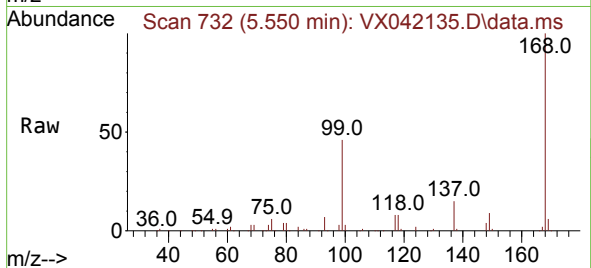
Tgt Ion:113 Resp: 68734
Ion Ratio Lower Upper
113 100
111 101.7 82.9 124.3
192 25.7 13.3 19.9#



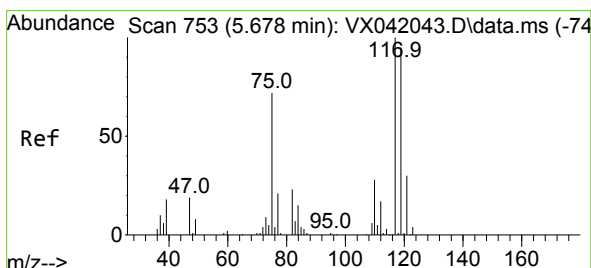
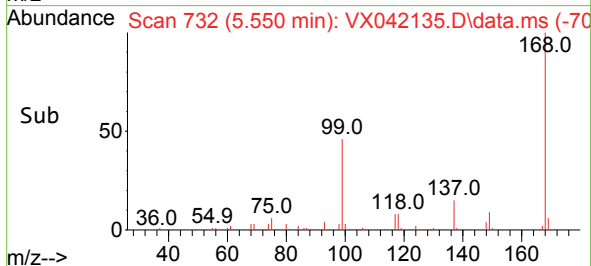
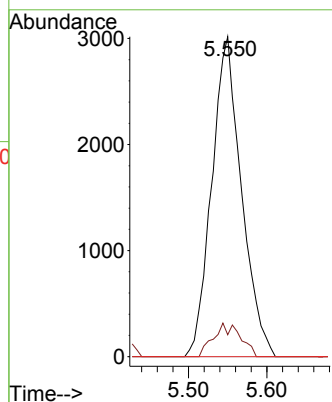


#36
1,1-Dichloropropene
Concen: 4.863 ug/l
RT: 5.550 min Scan# 710
Delta R.T. -0.140 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

Instrument :
MSVOA_X
ClientSampleId :

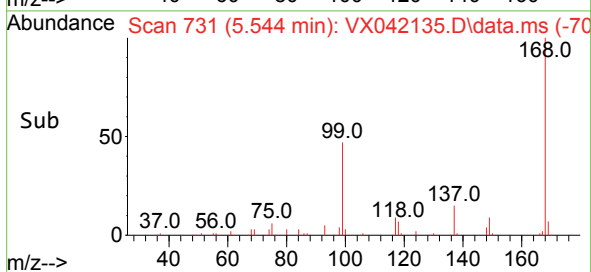
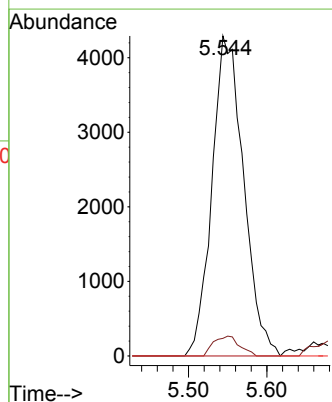
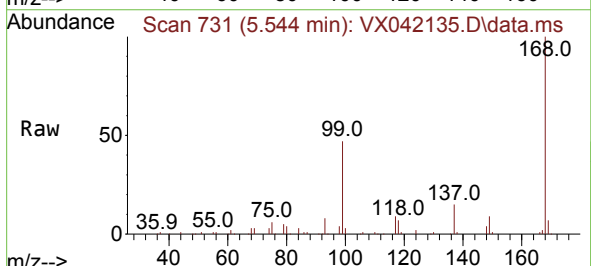


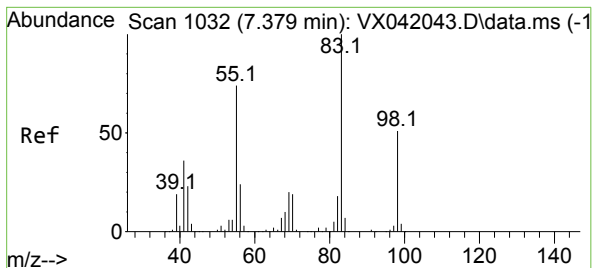
Tgt Ion: 75 Resp: 7950
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.655 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

Tgt Ion: 117 Resp: 12021
Ion Ratio Lower Upper
117 100
119 5.5 78.2 117.2#
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 1.011 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.256 min

Lab File: VX042135.D

Acq: 02 Jul 2024 13:24

Instrument :

MSVOA_X

ClientSampleId :

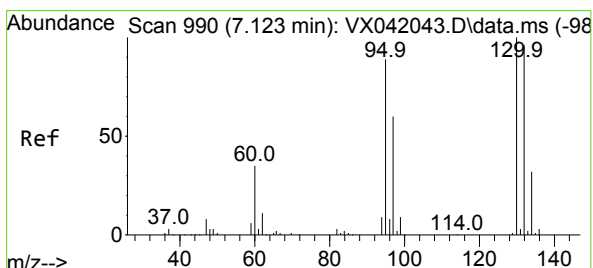
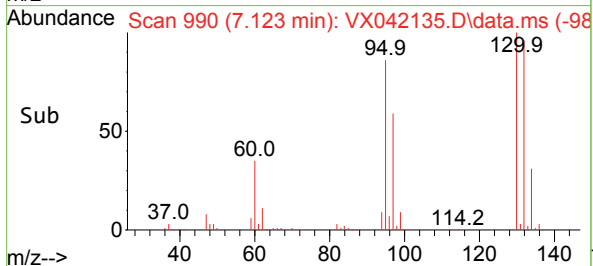
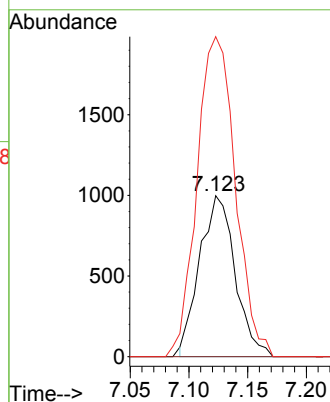
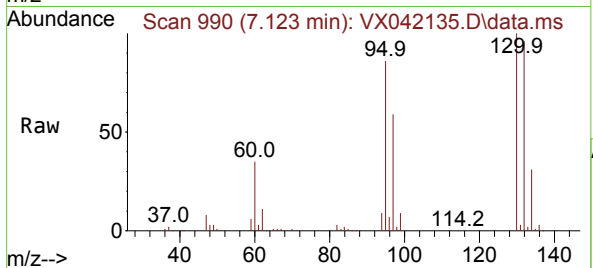
Tgt Ion: 83 Resp: 2091

Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 185.5 36.7 55.1#



#44

Trichloroethene

Concen: 141.029 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.006 min

Lab File: VX042135.D

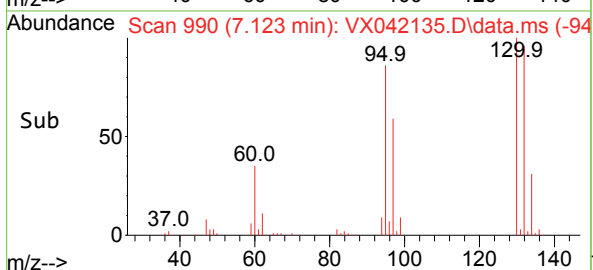
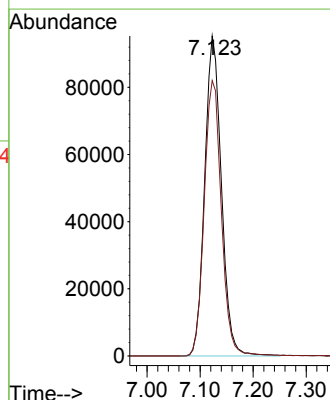
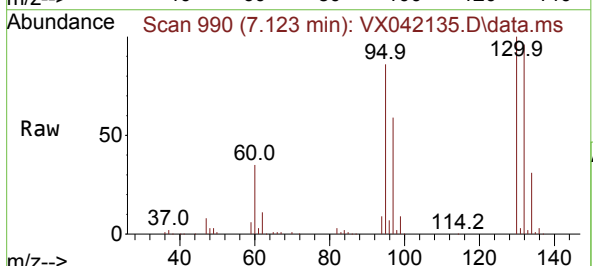
Acq: 02 Jul 2024 13:24

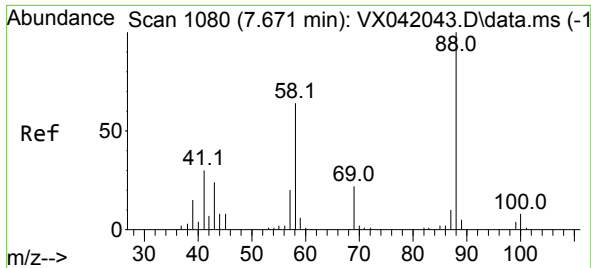
Tgt Ion:130 Resp: 208431

Ion Ratio Lower Upper

130 100

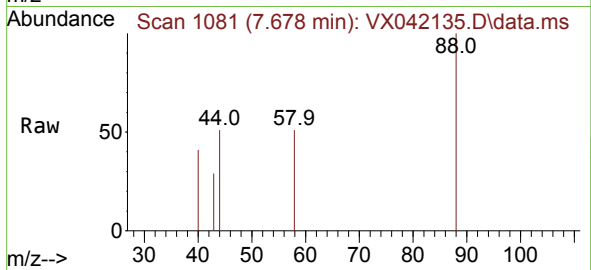
95 86.1 0.0 204.4



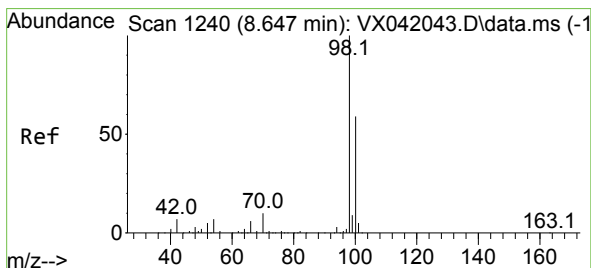
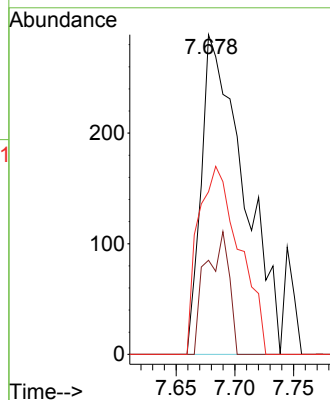
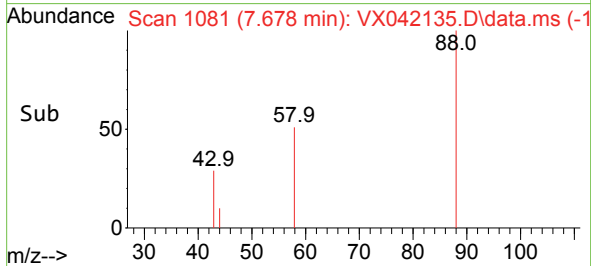


#49
1,4-Dioxane
Concen: 37.121 ug/l
RT: 7.678 min Scan# 1080
Delta R.T. 0.013 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

Instrument :
MSVOA_X
ClientSampleId :

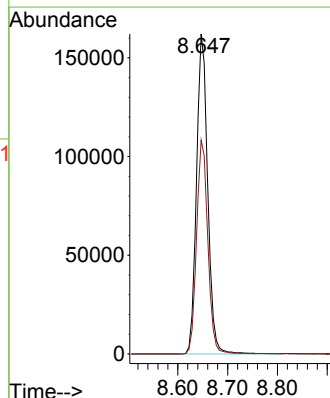
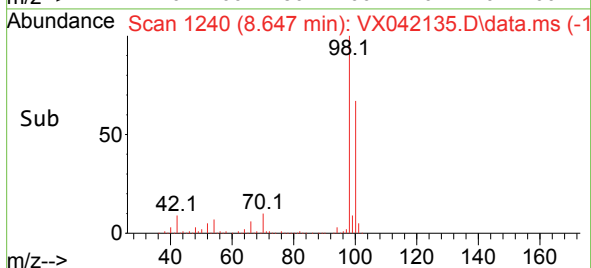
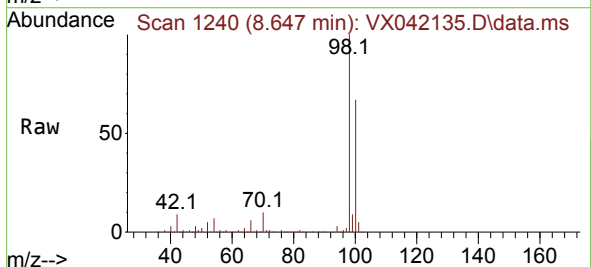


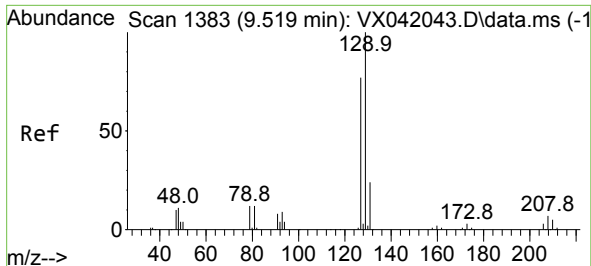
Tgt Ion: 88 Resp: 724
Ion Ratio Lower Upper
88 100
43 21.1 0.0 0.0#
58 57.6 60.1 90.1#



#50
Toluene-d8
Concen: 46.690 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

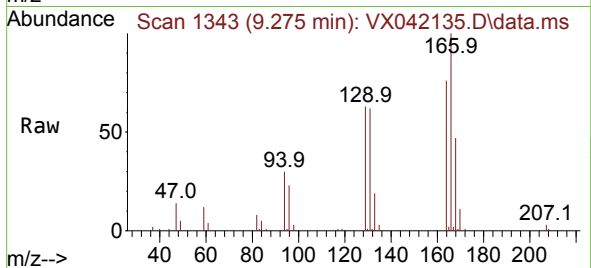
Tgt Ion: 98 Resp: 252517
Ion Ratio Lower Upper
98 100
100 67.1 53.1 79.7



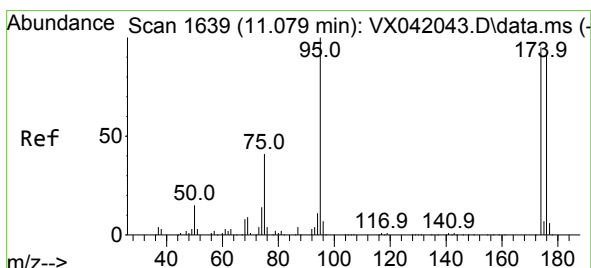
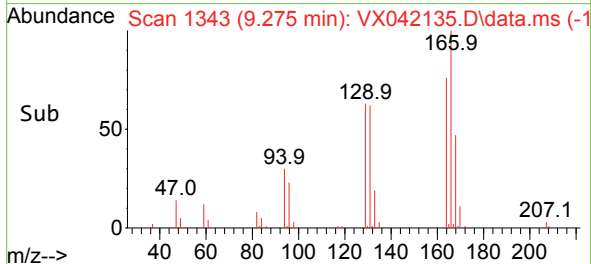
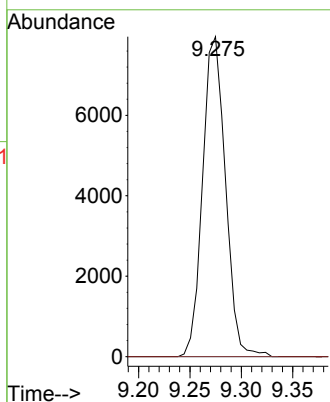


#60
Dibromochloromethane
Concen: 7.750 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

Instrument :
MSVOA_X
ClientSampleId :

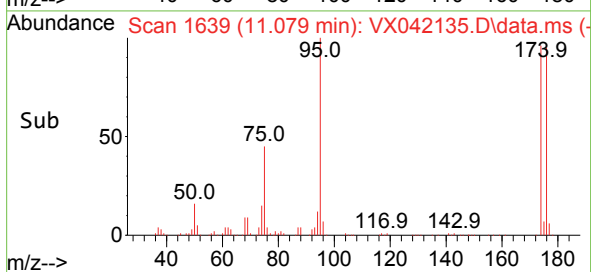
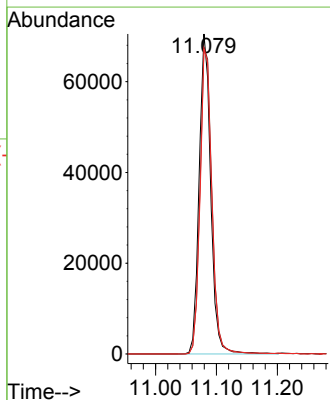
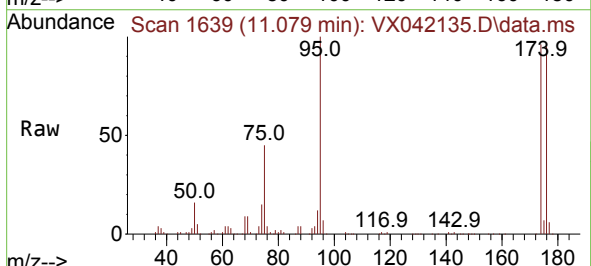


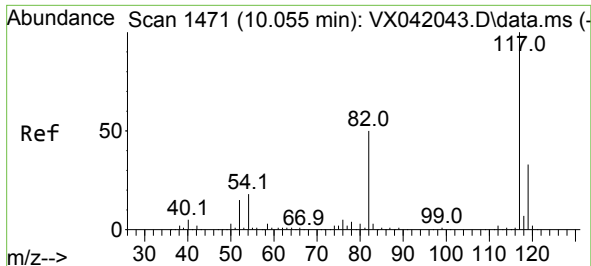
Tgt Ion:129 Resp: 12313
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 46.736 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

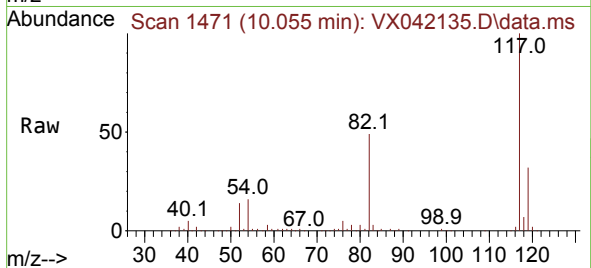
Tgt Ion: 95 Resp: 93176
Ion Ratio Lower Upper
95 100
174 98.6 0.0 135.6
176 96.3 0.0 131.0



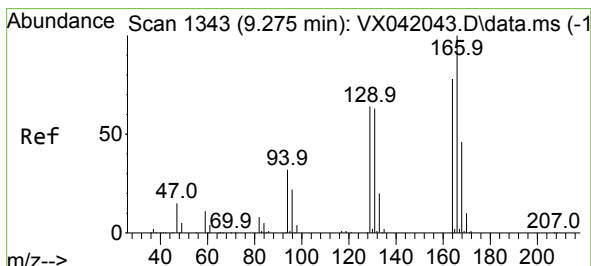
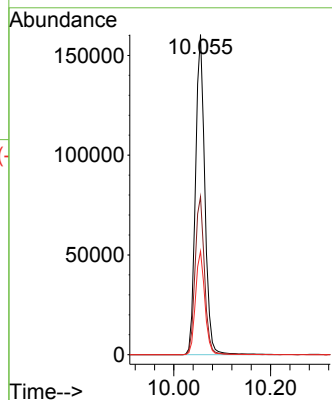
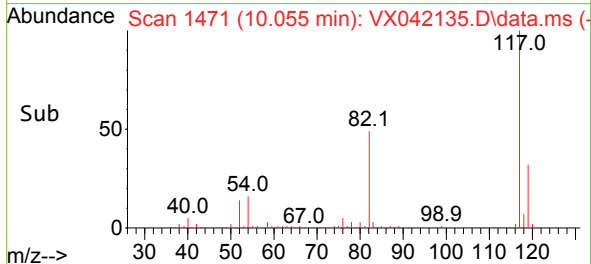


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

Instrument :
MSVOA_X
ClientSampleId :

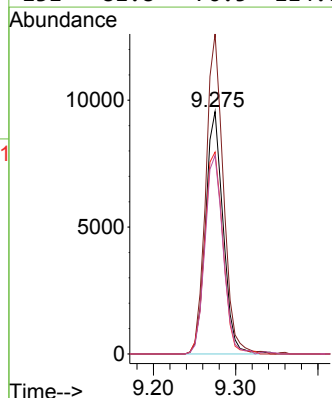
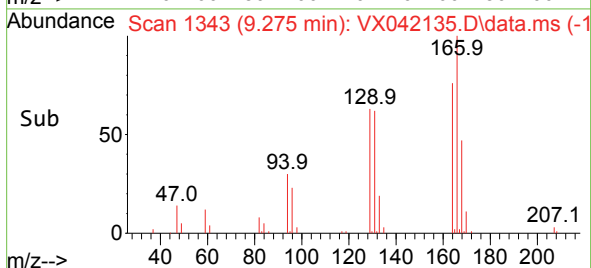
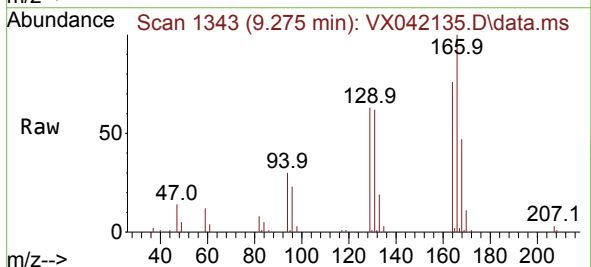


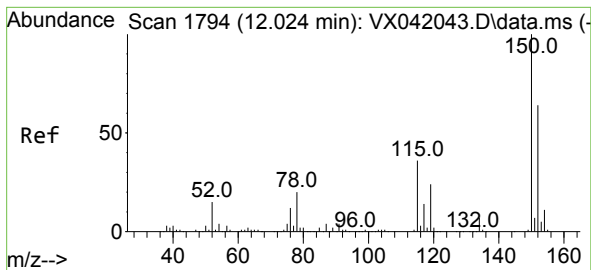
Tgt Ion:117 Resp: 214546
Ion Ratio Lower Upper
117 100
82 49.3 46.2 69.4
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 9.099 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

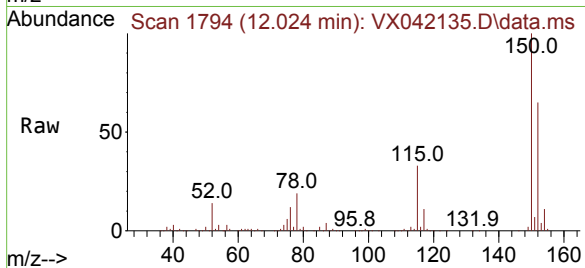
Tgt Ion:164 Resp: 14213
Ion Ratio Lower Upper
164 100
166 132.0 102.7 154.1
129 83.3 80.4 120.6
131 81.8 76.5 114.7



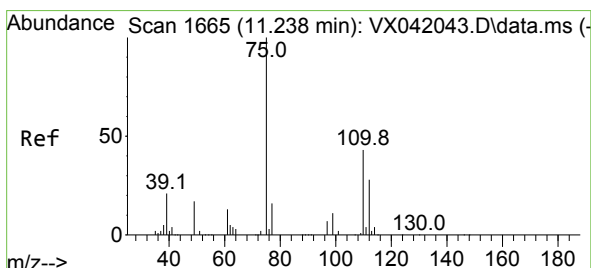
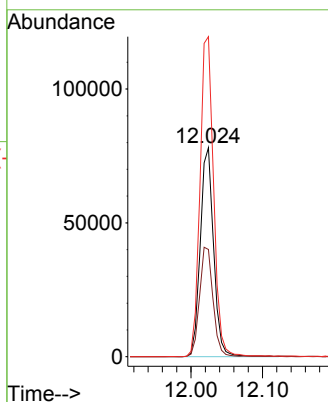
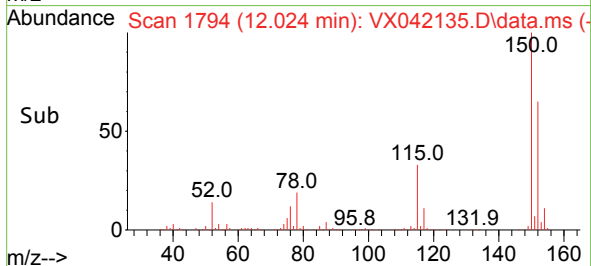


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

Instrument :
MSVOA_X
ClientSampleId :

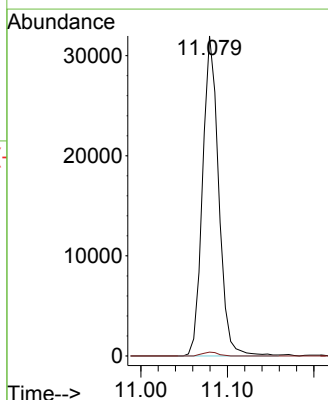
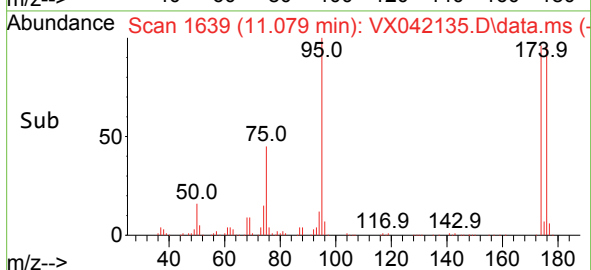
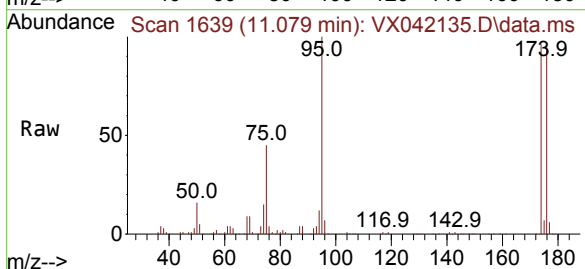


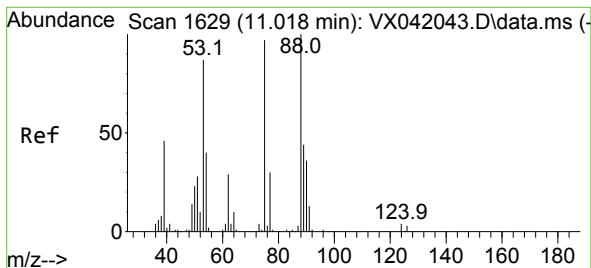
Tgt Ion:152 Resp: 101066
Ion Ratio Lower Upper
152 100
115 53.0 43.3 129.9
150 156.9 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 22.539 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

Tgt Ion: 75 Resp: 41353
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#

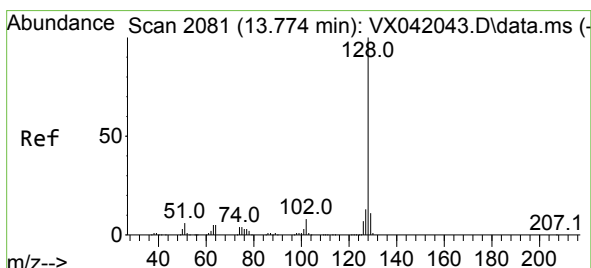
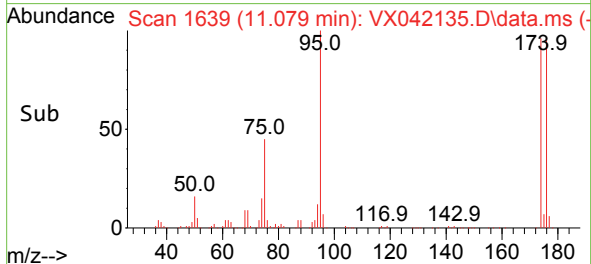
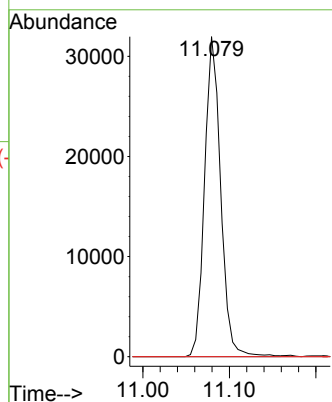
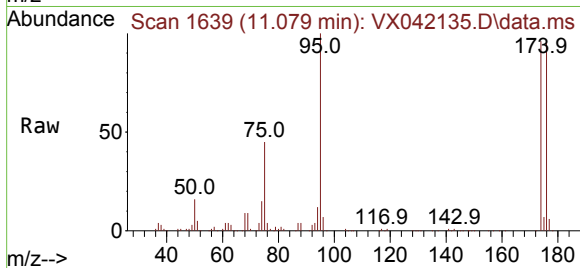




#81
trans-1,4-Dichloro-2-butene
Concen: 64.008 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 41353
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.849 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX042135.D
Acq: 02 Jul 2024 13:24

Tgt Ion:128 Resp: 744
Ion Ratio Lower Upper
128 100
127 3.1 10.3 15.5#
129 0.0 8.8 13.2#

