

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060724\
 Data File : VX041792.D
 Acq On : 07 Jun 2024 16:42
 Operator : JC/MD
 Sample : PB161359ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 08 05:17:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 30 07:36:24 2024
 Response via : Initial Calibration

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

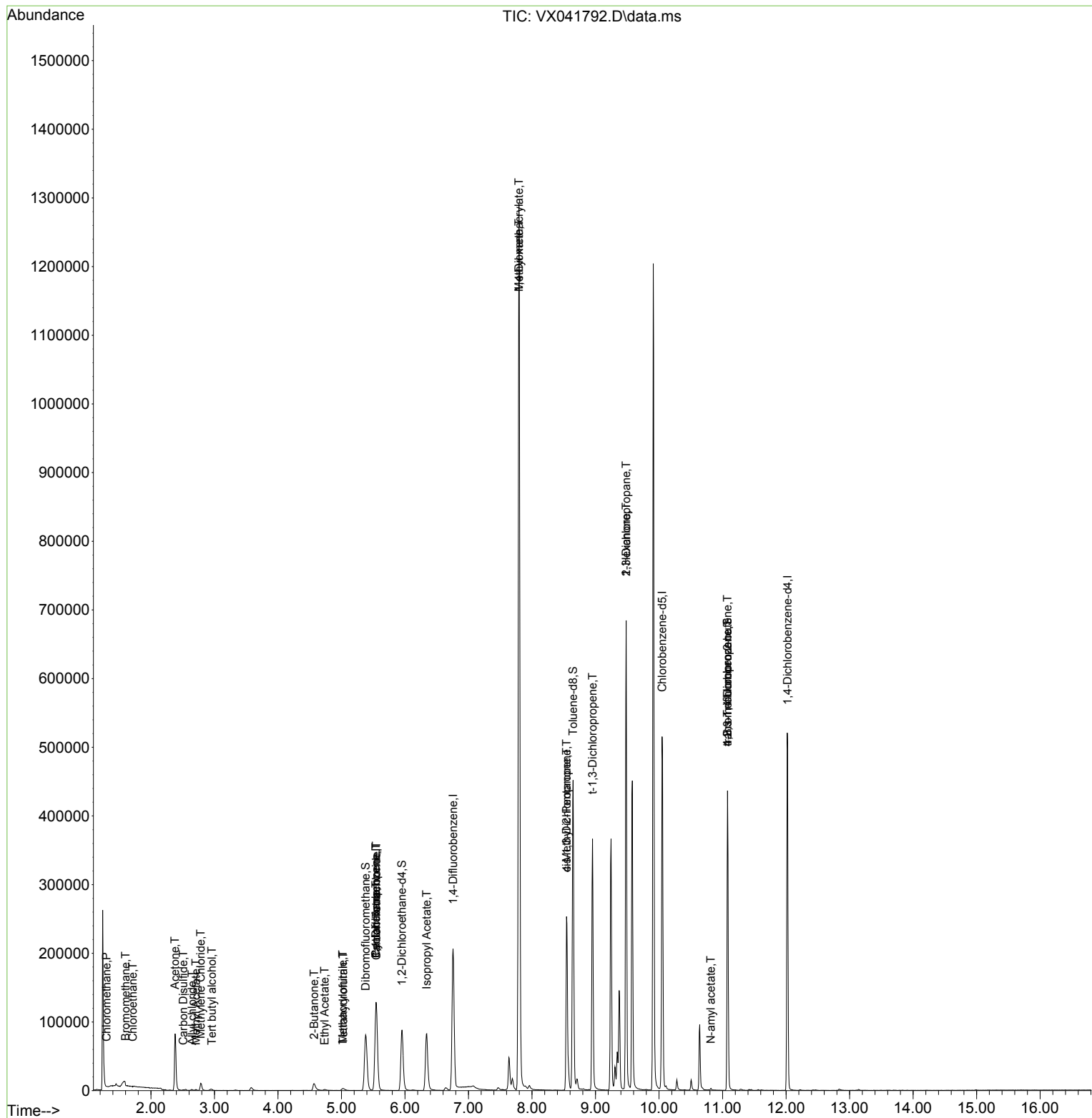
Internal Standards						
1) Pentafluorobenzene	5.544	168	133305	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	220819	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	232255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	116988	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86614	52.977	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.960%	
35) Dibromofluoromethane	5.379	113	70563	46.218	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 92.440%	
50) Toluene-d8	8.647	98	272547	51.091	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.180%	
62) 4-Bromofluorobenzene	11.079	95	105310	53.487	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.980%	
Target Compounds						
						Qvalue
3) Chloromethane	1.301	50	323	0.253	ug/l	# 43
5) Bromomethane	1.599	94	251	0.274	ug/l	# 63
6) Chloroethane	1.715	64	293	0.368	ug/l	# 43
11) Tert butyl alcohol	2.959	59	1849	6.393	ug/l	# 78
14) Allyl chloride	2.648	41	1334	0.682	ug/l	# 42
16) Acetone	2.380	43	89569	123.714	ug/l	98
17) Carbon Disulfide	2.508	76	885	0.337	ug/l	# 92
18) Methyl Acetate	2.709	43	1689	1.082	ug/l	100
20) Methylene Chloride	2.782	84	5199	3.553	ug/l	92
25) 2-Butanone	4.568	43	20396	20.072	ug/l	96
29) Tetrahydrofuran	5.025	42	3132	4.887	ug/l	98
31) Cyclohexane	5.544	56	2384	1.235	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	8795	4.758	ug/l	# 51
37) Ethyl Acetate	4.733	43	2614	1.120	ug/l	# 91
38) Carbon Tetrachloride	5.550	117	12095	5.759	ug/l	# 15
41) Methacrylonitrile	5.019	41	1773	1.554	ug/l	# 52
43) Isopropyl Acetate	6.342	43	117431	33.339	ug/l	99
48) Methyl methacrylate	7.793	41	113774	67.260	ug/l	# 48
49) 1,4-Dioxane	7.793	88	112	3.030	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.543	43	100503	44.001	ug/l	# 45
53) t-1,3-Dichloropropene	8.952	75	784	0.408	ug/l	# 43
54) cis-1,3-Dichloropropene	8.543	75	40488	19.056	ug/l	# 60
57) 1,3-Dichloropropane	9.482	76	5682	2.315	ug/l	# 42
59) 2-Hexanone	9.482	43	80956	46.489	ug/l	# 53
74) N-amyl acetate	10.817	43	814	0.253	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	53747	26.331	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	53747	71.765	ug/l	# 5

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

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ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 08 05:17:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
Quant Title : SW846 8260
QLast Update : Thu May 30 07:36:24 2024
Response via : Initial Calibration

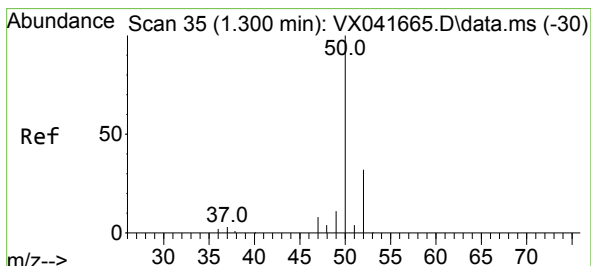
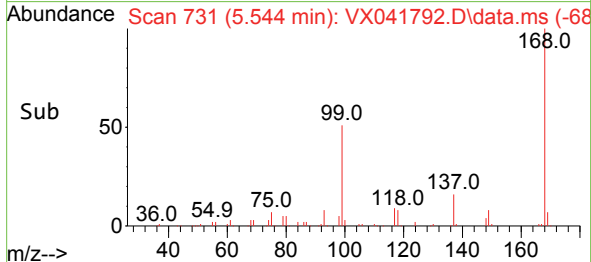
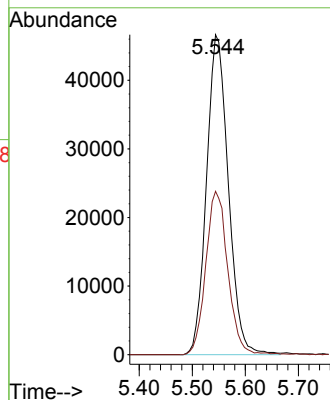
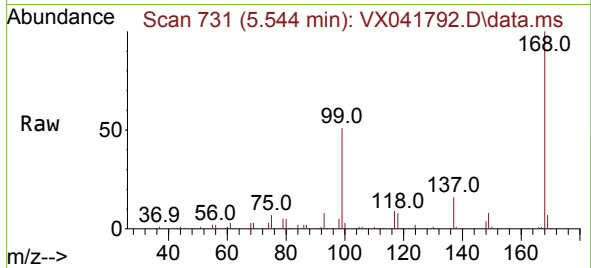




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

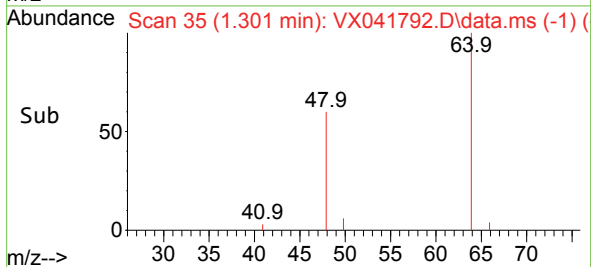
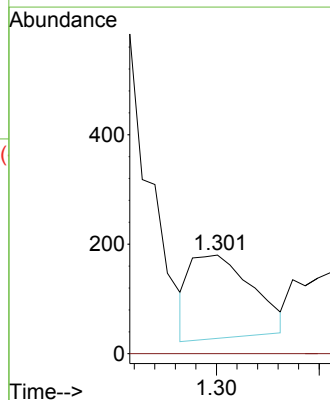
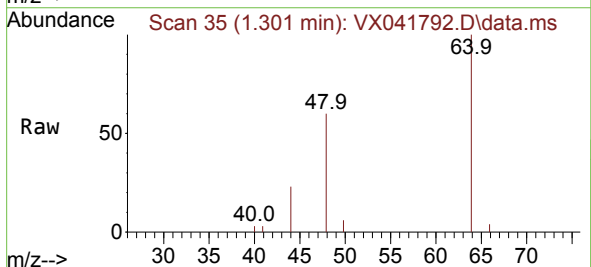
Instrument :
MSVOA_X
ClientSampleId :

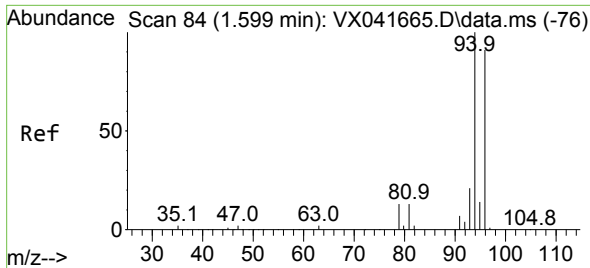
Tgt Ion:168 Resp: 133305
Ion Ratio Lower Upper
168 100
99 51.0 56.6 85.0#



#3
Chloromethane
Concen: 0.253 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

Tgt Ion: 50 Resp: 323
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

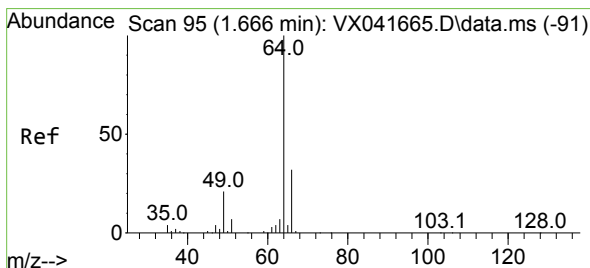
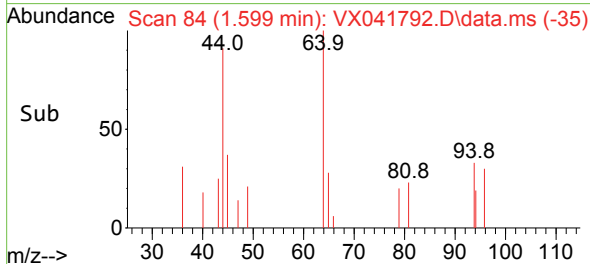
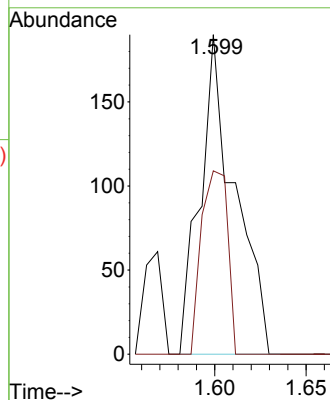
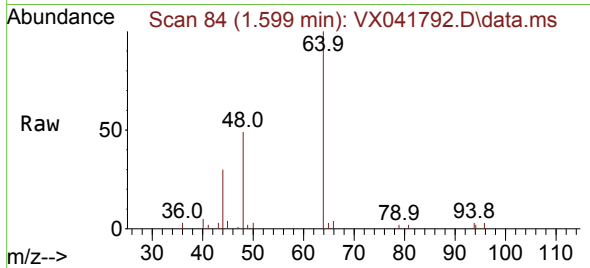




#5
Bromomethane
Concen: 0.274 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

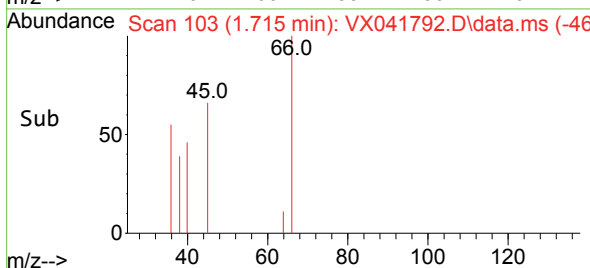
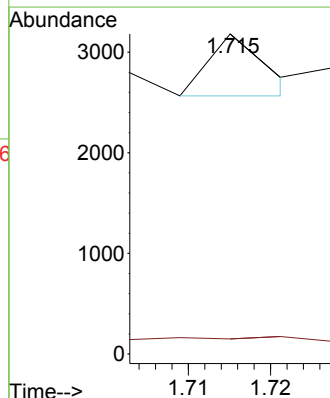
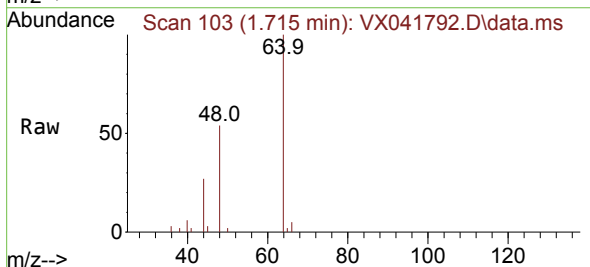
Instrument :
MSVOA_X
ClientSampleId :

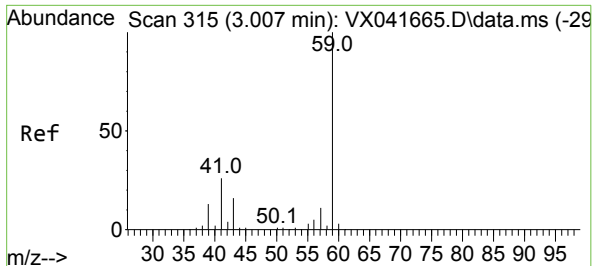
Tgt Ion: 94 Resp: 251
Ion Ratio Lower Upper
94 100
96 57.4 74.6 111.8#



#6
Chloroethane
Concen: 0.368 ug/l
RT: 1.715 min Scan# 103
Delta R.T. 0.049 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

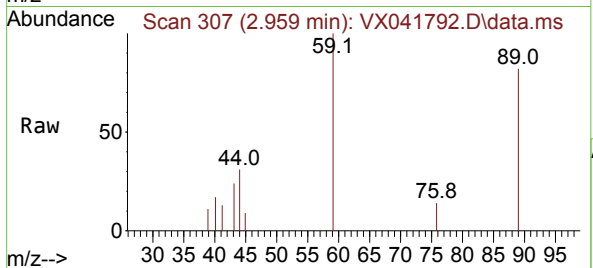
Tgt Ion: 64 Resp: 293
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



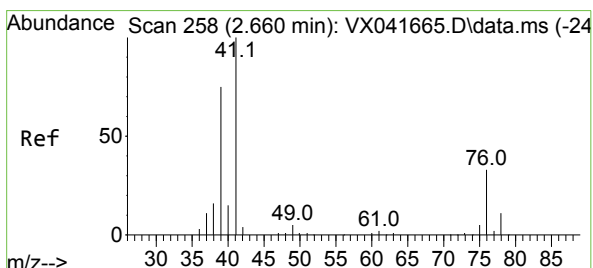
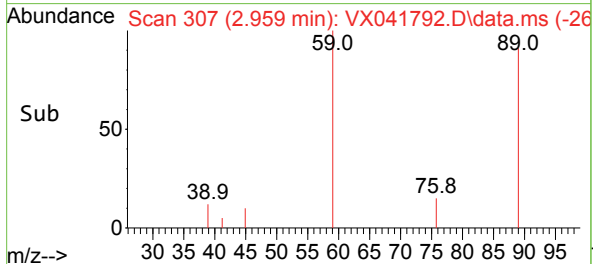
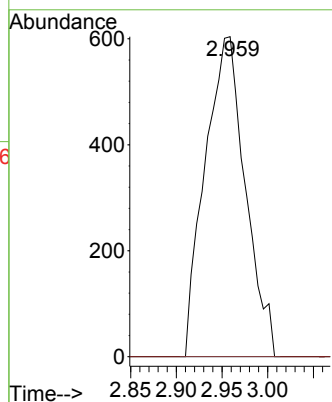


#11
Tert butyl alcohol
Concen: 6.393 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.049 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

Instrument :
MSVOA_X
ClientSampleId :

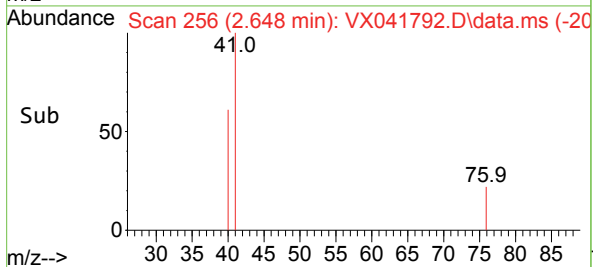
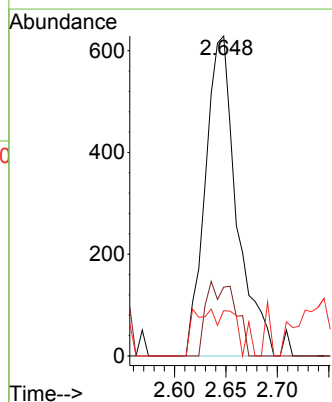
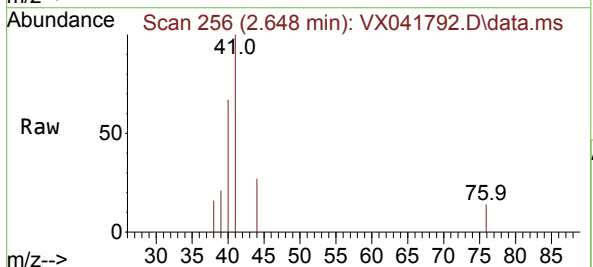


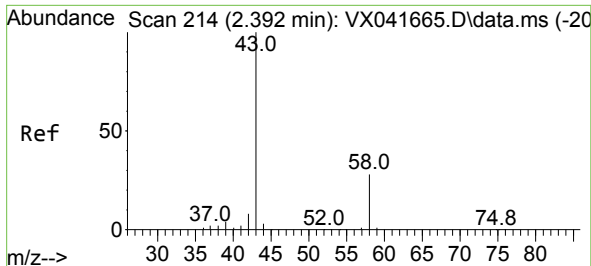
Tgt Ion: 59 Resp: 1849
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#14
Allyl chloride
Concen: 0.682 ug/l
RT: 2.648 min Scan# 256
Delta R.T. -0.012 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

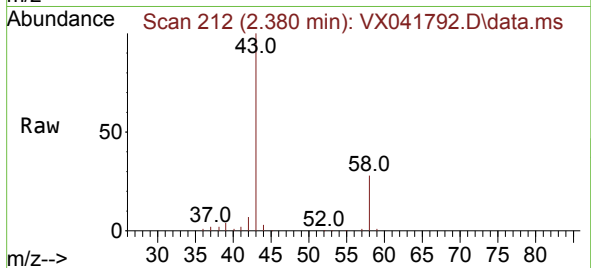
Tgt Ion: 41 Resp: 1334
Ion Ratio Lower Upper
41 100
39 21.5 55.8 83.6#
76 0.0 24.3 36.5#



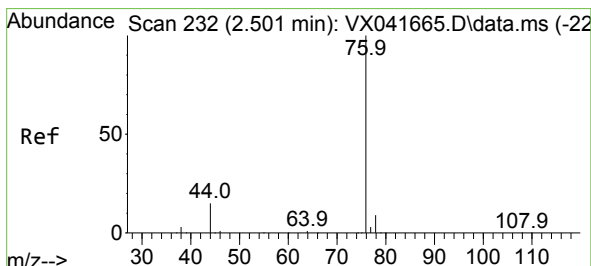
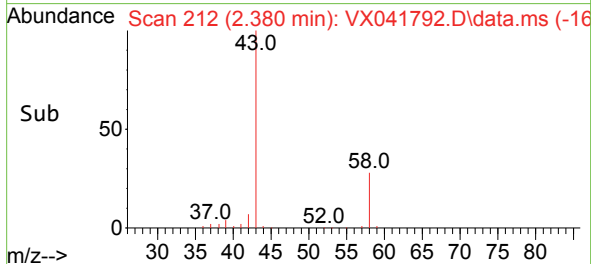
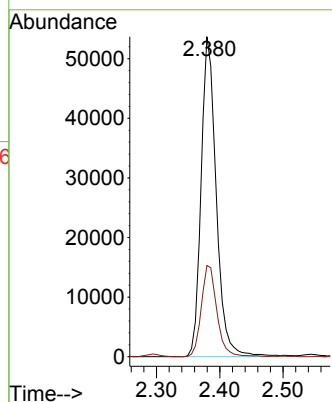


#16
Acetone
Concen: 123.714 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

Instrument :
MSVOA_X
ClientSampleId :

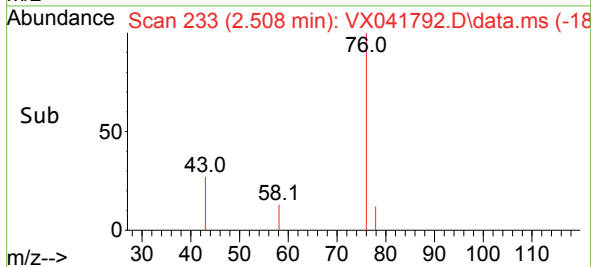
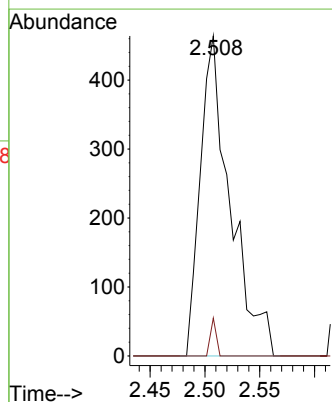
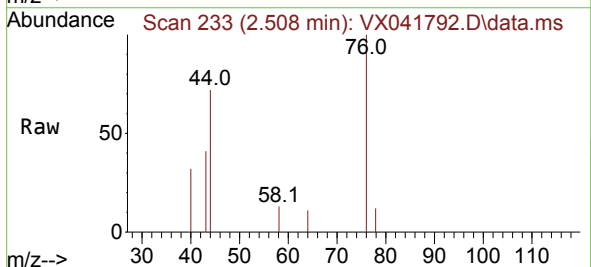


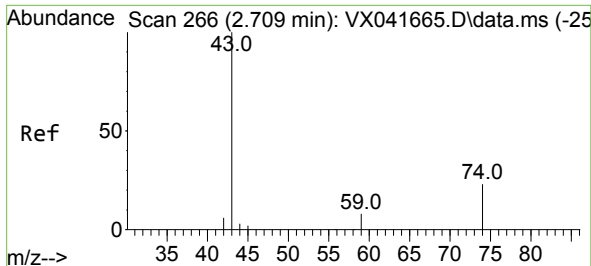
Tgt Ion: 43 Resp: 89569
Ion Ratio Lower Upper
43 100
58 28.5 21.9 32.9



#17
Carbon Disulfide
Concen: 0.337 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

Tgt Ion: 76 Resp: 885
Ion Ratio Lower Upper
76 100
78 11.9 7.0 10.6#

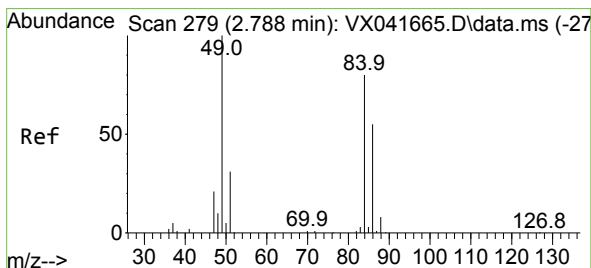
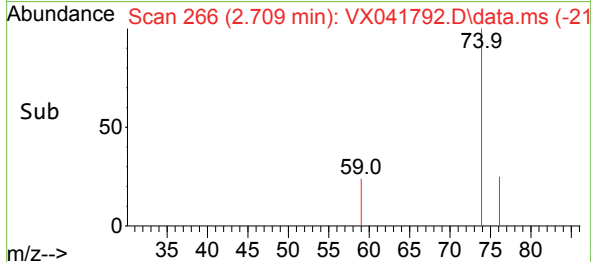
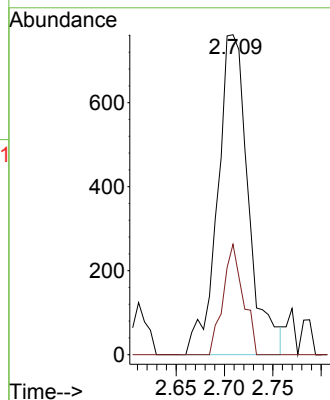
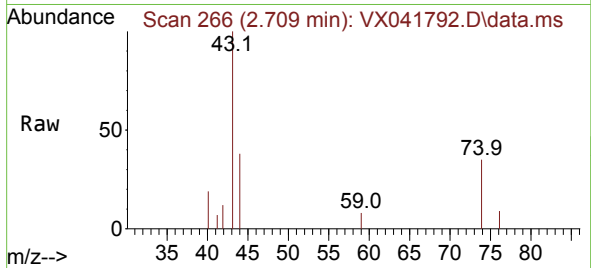




#18
Methyl Acetate
Concen: 1.082 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

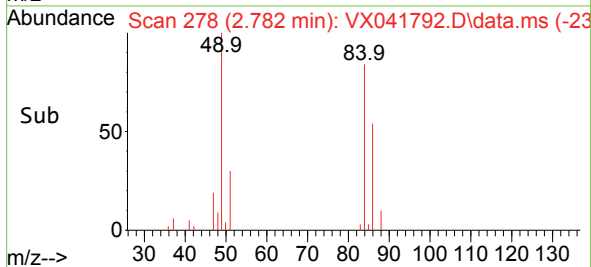
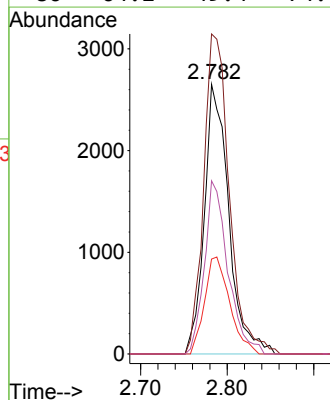
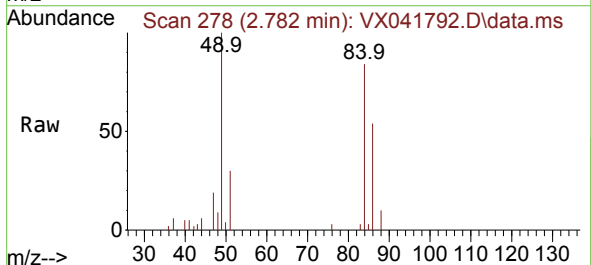
Instrument :
MSVOA_X
ClientSampleId :

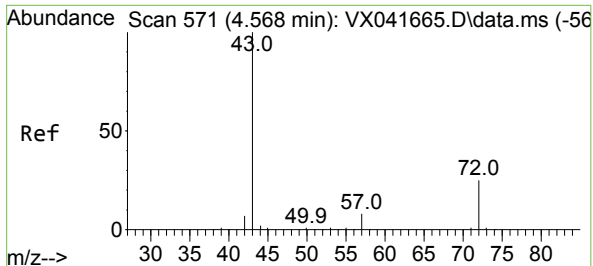
Tgt Ion: 43 Resp: 1689
Ion Ratio Lower Upper
43 100
74 22.4 17.8 26.8



#20
Methylene Chloride
Concen: 3.553 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

Tgt Ion: 84 Resp: 5199
Ion Ratio Lower Upper
84 100
49 118.7 103.6 155.4
51 35.2 33.8 50.6
86 64.2 49.4 74.0

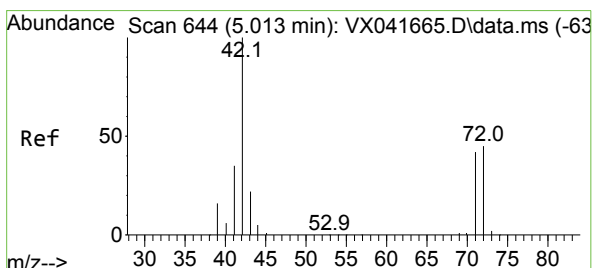
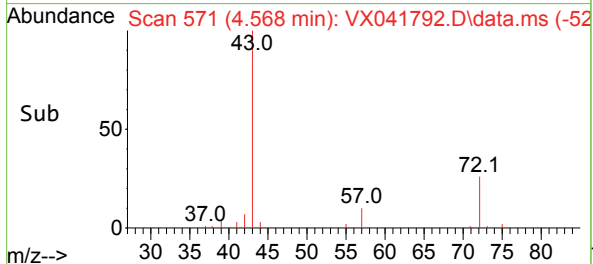
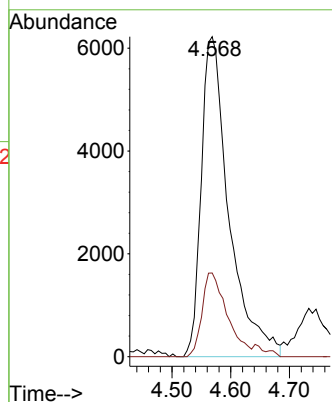
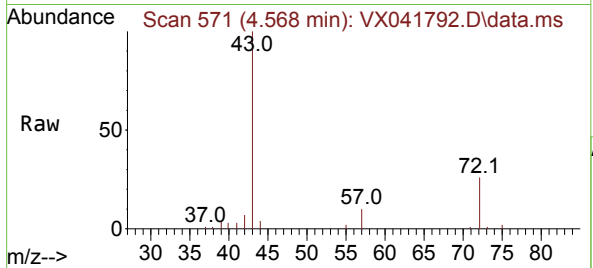




#25
2-Butanone
Concen: 20.072 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

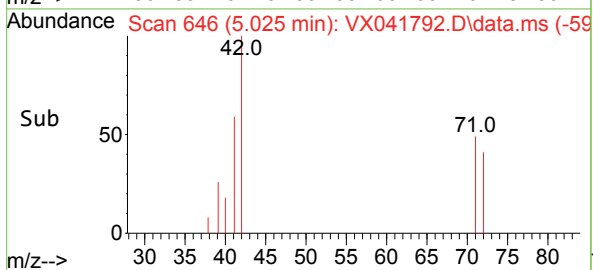
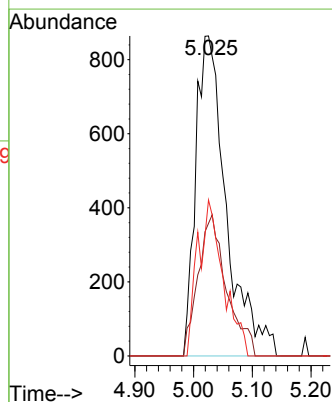
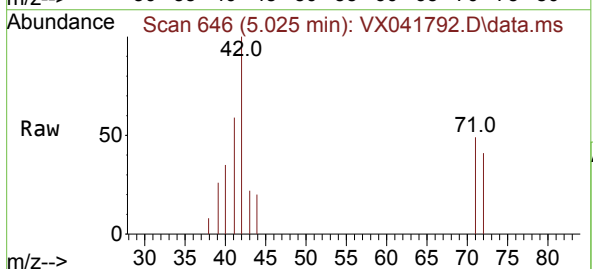
Instrument :
MSVOA_X
ClientSampleId :

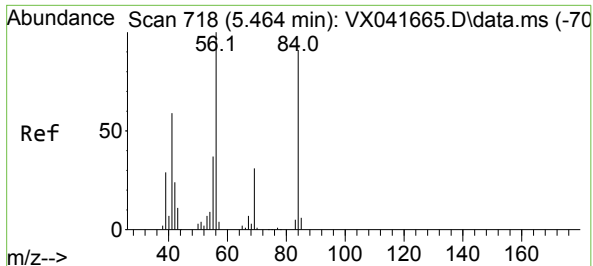
Tgt Ion: 43 Resp: 20396
Ion Ratio Lower Upper
43 100
72 26.1 19.4 29.2



#29
Tetrahydrofuran
Concen: 4.887 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.012 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

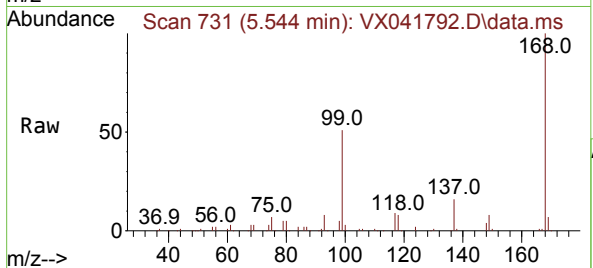
Tgt Ion: 42 Resp: 3132
Ion Ratio Lower Upper
42 100
72 41.1 34.2 51.4
71 40.5 32.2 48.2



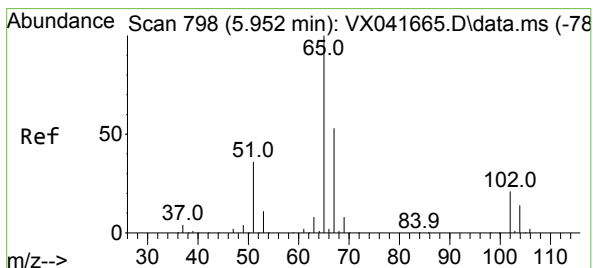
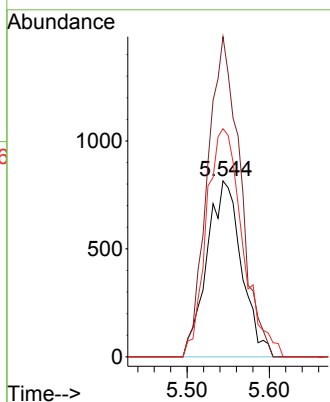
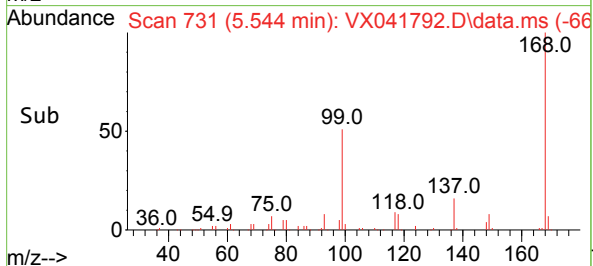


#31
Cyclohexane
Concen: 1.235 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

Instrument :
MSVOA_X
ClientSampleId :

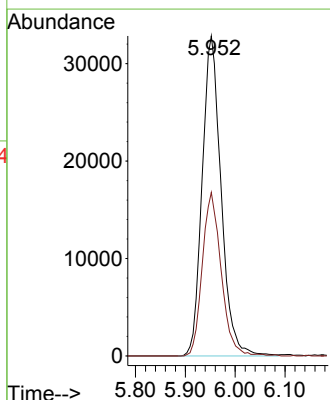
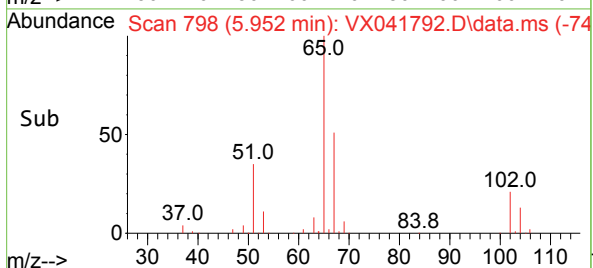
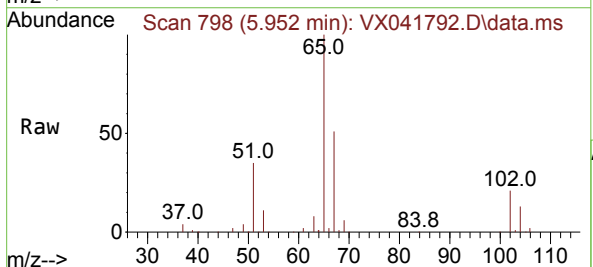


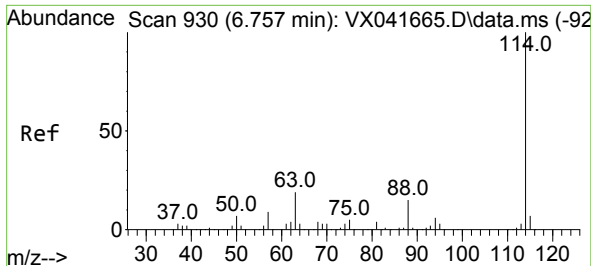
Tgt Ion: 56 Resp: 2384
Ion Ratio Lower Upper
56 100
69 182.0 23.4 35.2#
84 129.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 52.977 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

Tgt Ion: 65 Resp: 86614
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.2

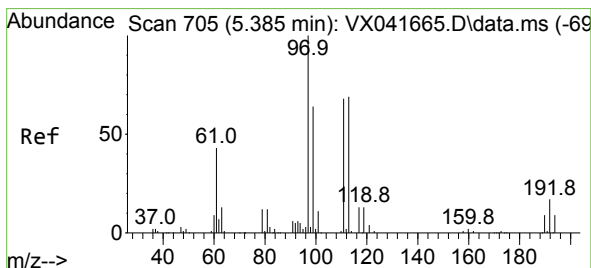
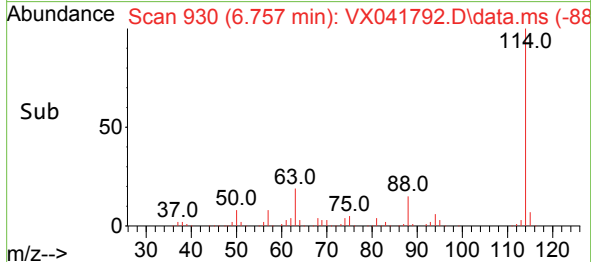
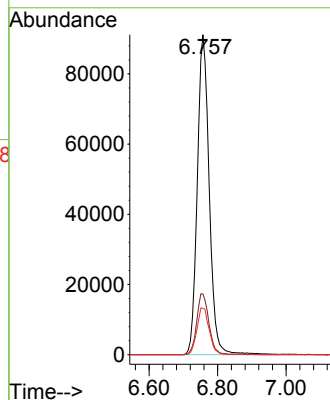
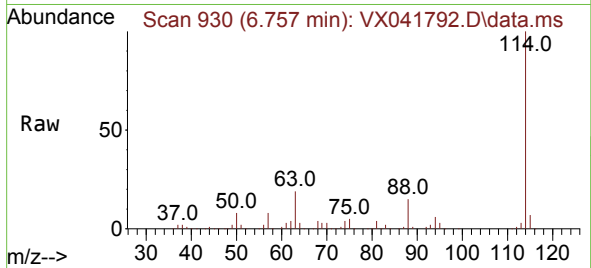




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

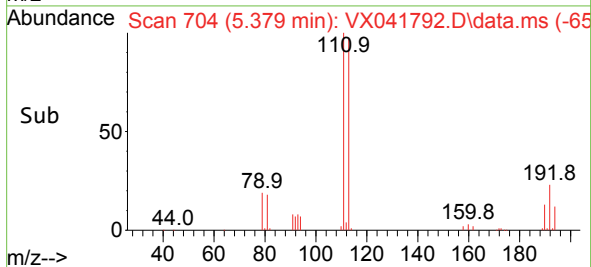
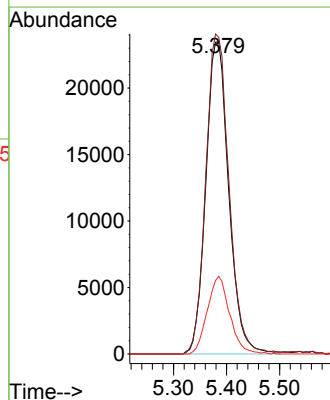
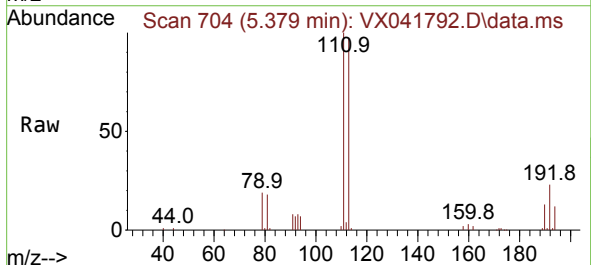
Instrument :
MSVOA_X
ClientSampleId :

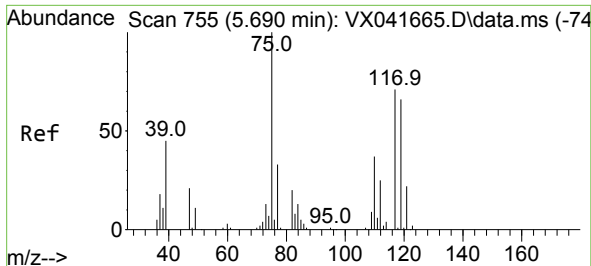
Tgt Ion:114 Resp: 220819
Ion Ratio Lower Upper
114 100
63 18.9 0.0 45.0
88 14.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.218 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

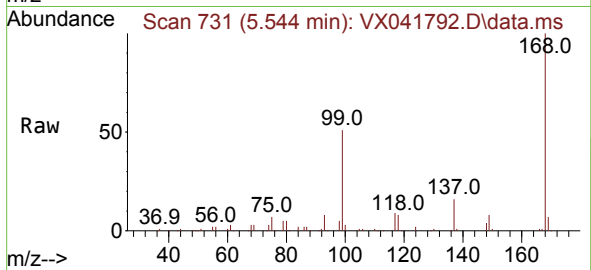
Tgt Ion:113 Resp: 70563
Ion Ratio Lower Upper
113 100
111 103.9 82.9 124.3
192 24.3 13.3 19.9#



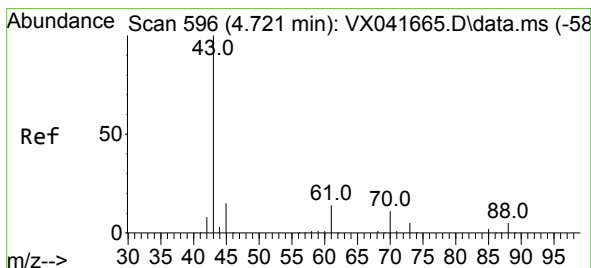
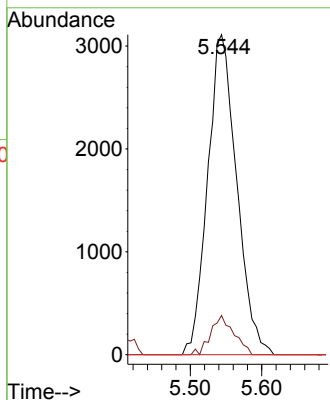
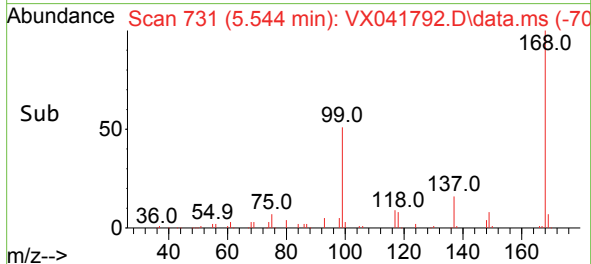


#36
1,1-Dichloropropene
Concen: 4.758 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

Instrument :
MSVOA_X
ClientSampleId :

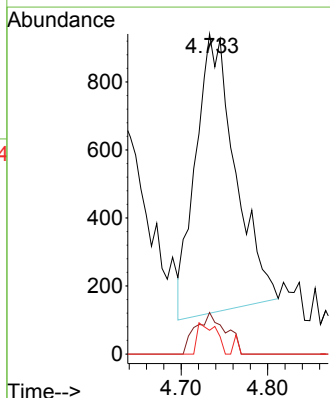
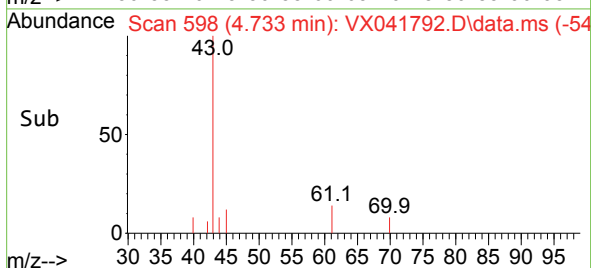
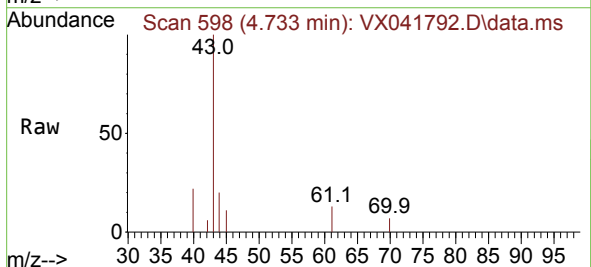


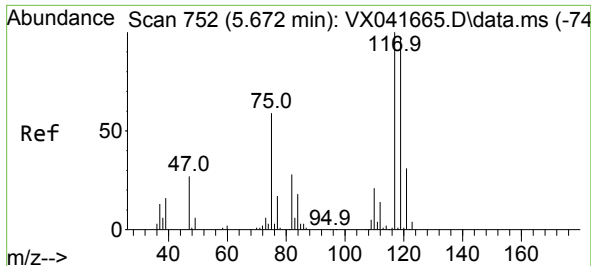
Tgt Ion: 75 Resp: 8795
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.120 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.012 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

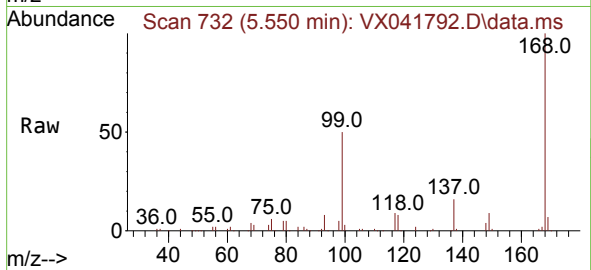
Tgt Ion: 43 Resp: 2614
Ion Ratio Lower Upper
43 100
61 11.2 10.6 16.0
70 5.2 8.3 12.5#



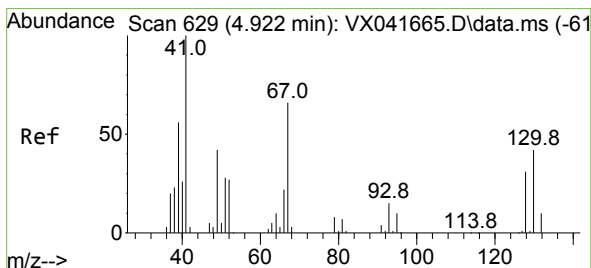
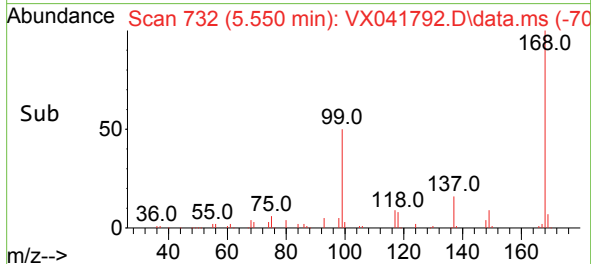
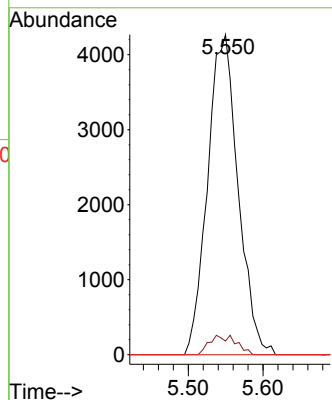


#38
Carbon Tetrachloride
Concen: 5.759 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

Instrument :
MSVOA_X
ClientSampleId :

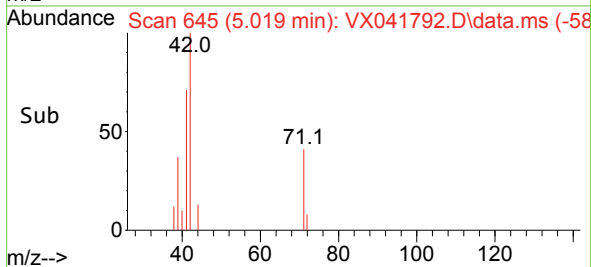
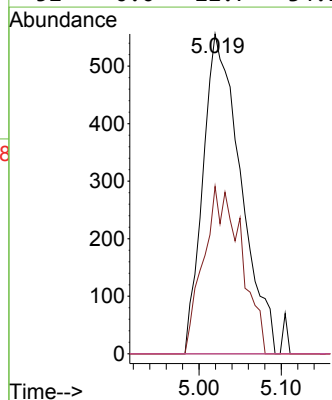
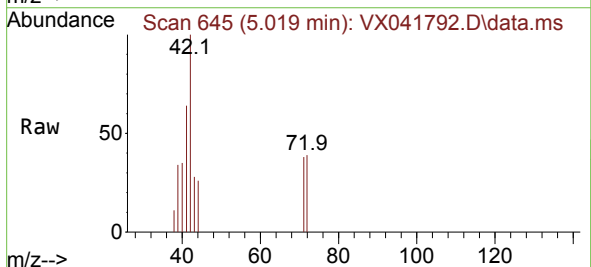


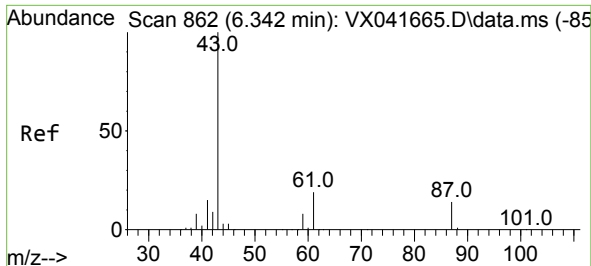
Tgt Ion:117 Resp: 12095
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 1.554 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.098 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

Tgt Ion: 41 Resp: 1773
Ion Ratio Lower Upper
41 100
39 52.2 45.2 67.8
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

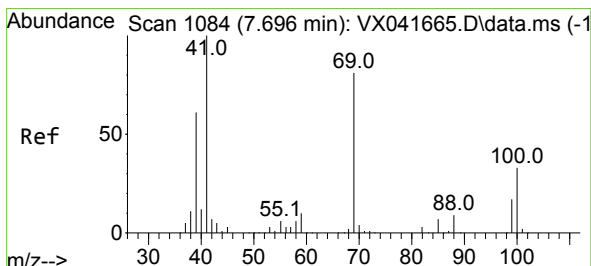
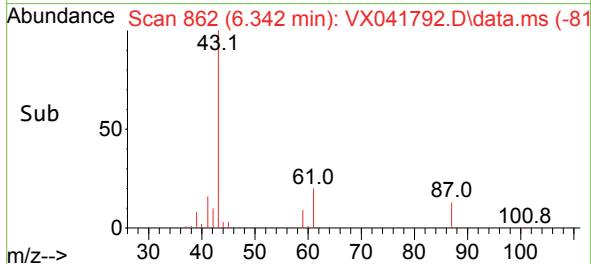
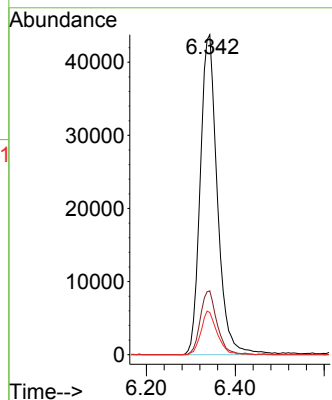
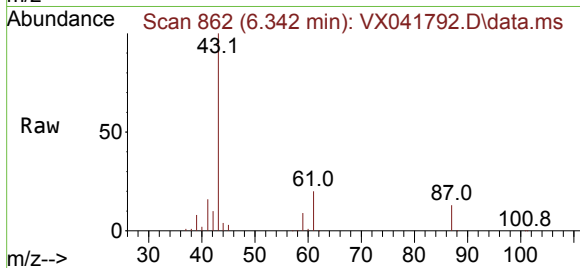




#43
Isopropyl Acetate
Concen: 33.339 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

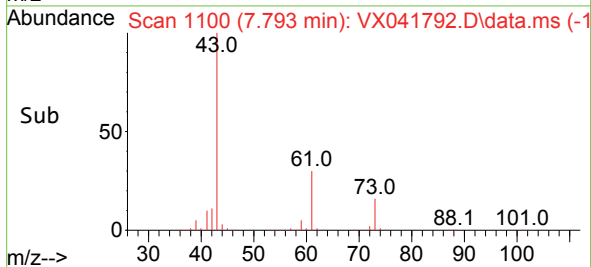
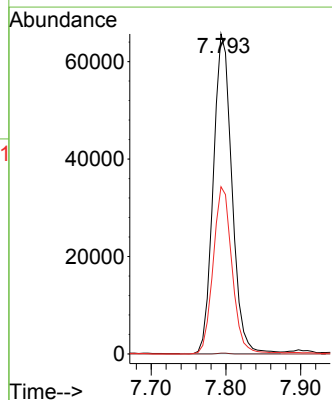
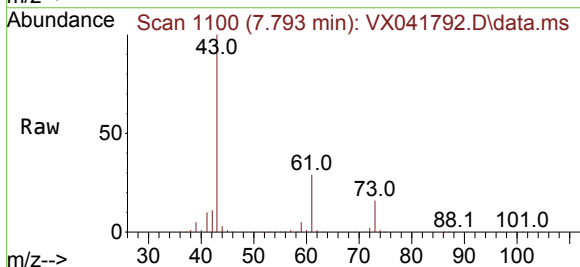
Instrument :
MSVOA_X
ClientSampleId :

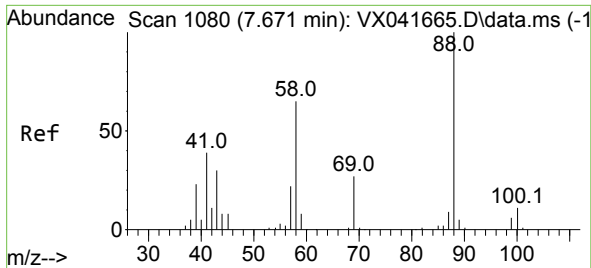
Tgt Ion: 43 Resp: 117431
Ion Ratio Lower Upper
43 100
61 19.6 15.2 22.8
87 12.9 9.8 14.6



#48
Methyl methacrylate
Concen: 67.260 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.098 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

Tgt Ion: 41 Resp: 113774
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 53.2 47.7 71.5

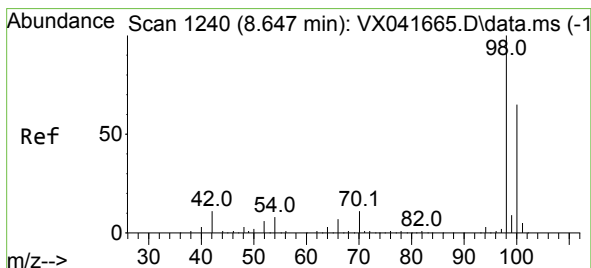
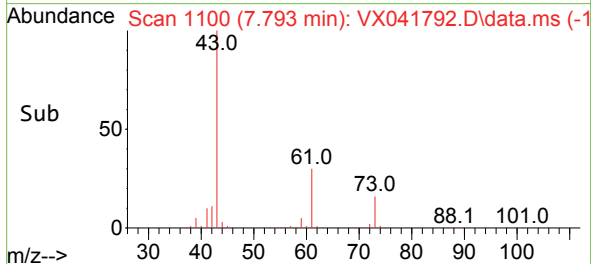
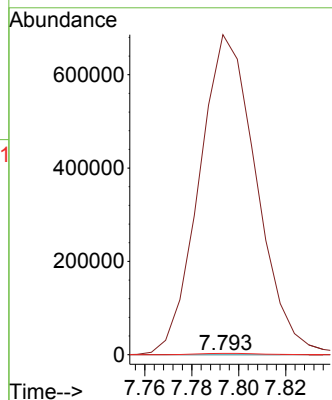
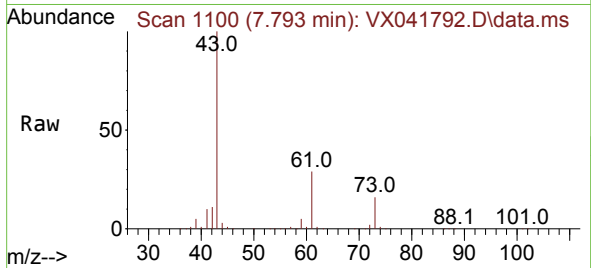




#49
1,4-Dioxane
Concen: 3.030 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.122 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

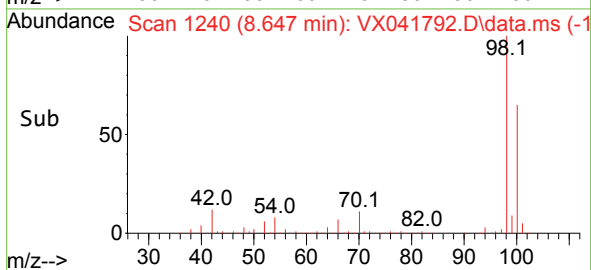
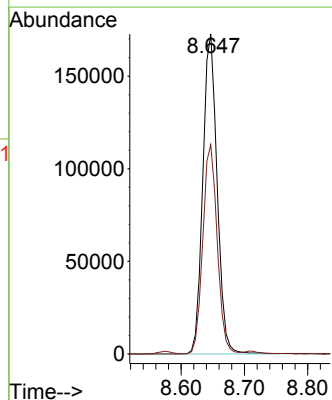
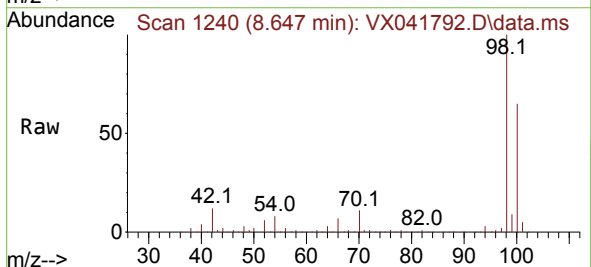
Instrument :
MSVOA_X
ClientSampleId :

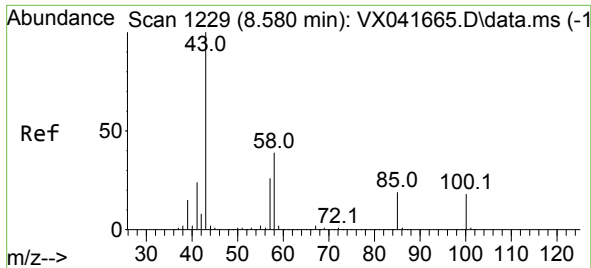
Tgt Ion: 88 Resp: 112
Ion Ratio Lower Upper
88 100
43 1054161.6 0.0 0.0#
58 4787.5 60.1 90.1#



#50
Toluene-d8
Concen: 51.091 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

Tgt Ion: 98 Resp: 272547
Ion Ratio Lower Upper
98 100
100 65.5 53.1 79.7

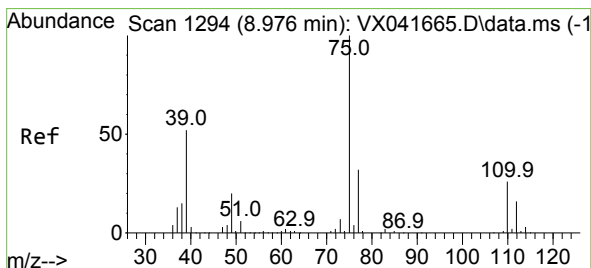
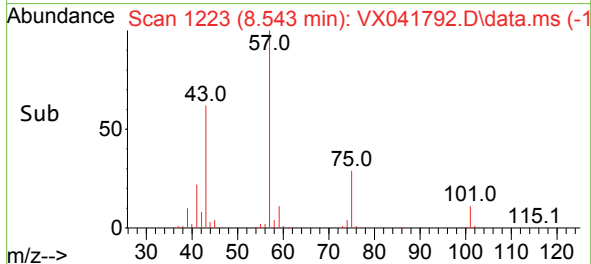
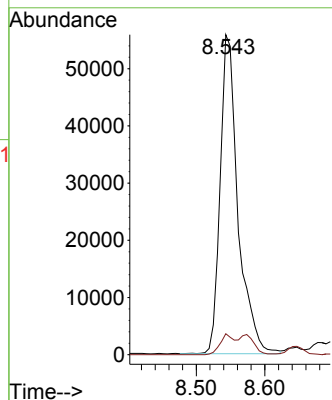
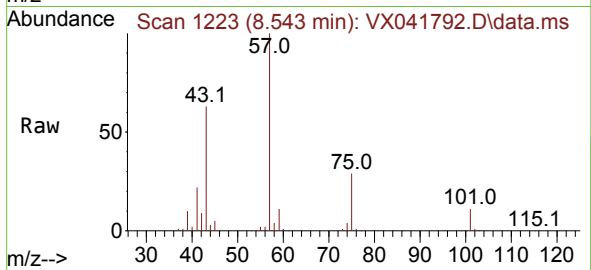




#51
4-Methyl-2-Pentanone
Concen: 44.001 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.037 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

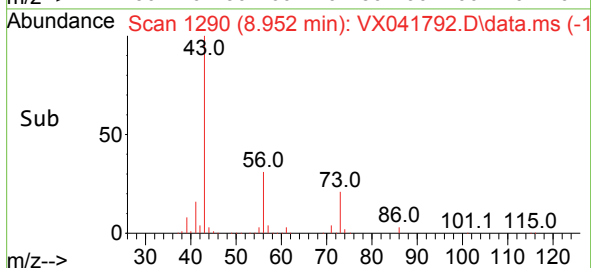
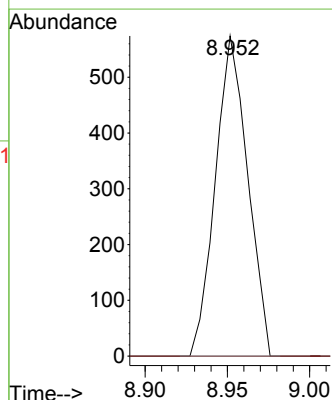
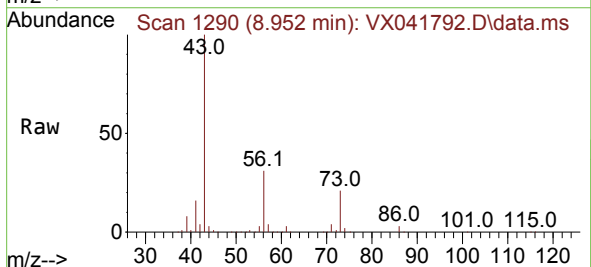
Instrument :
MSVOA_X
ClientSampleId :

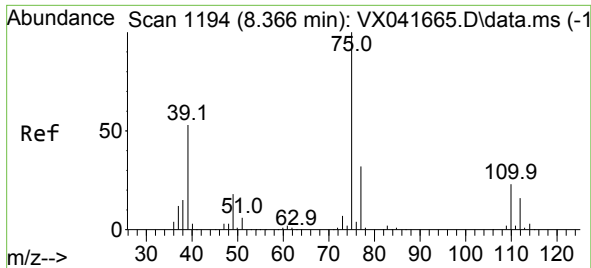
Tgt Ion: 43 Resp: 100503
Ion Ratio Lower Upper
43 100
58 4.9 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.408 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

Tgt Ion: 75 Resp: 784
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

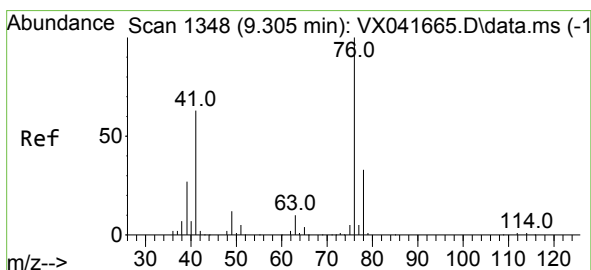
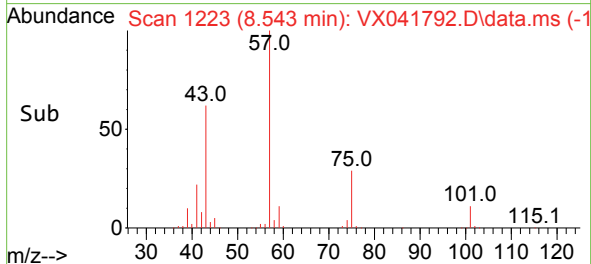
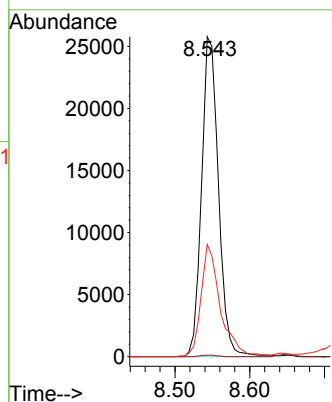
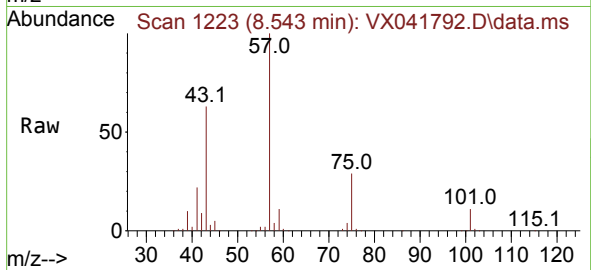




#54
 cis-1,3-Dichloropropene
 Concen: 19.056 ug/l
 RT: 8.543 min Scan# 1194
 Delta R.T. 0.177 min
 Lab File: VX041792.D
 Acq: 07 Jun 2024 16:42

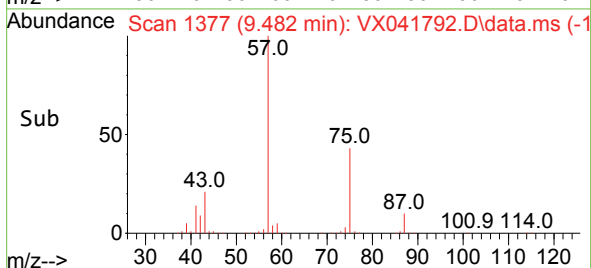
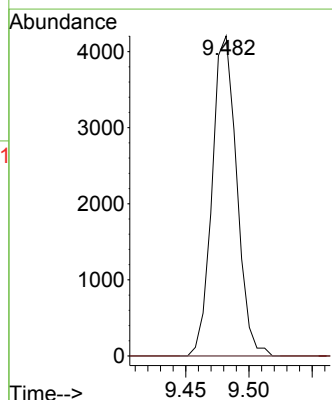
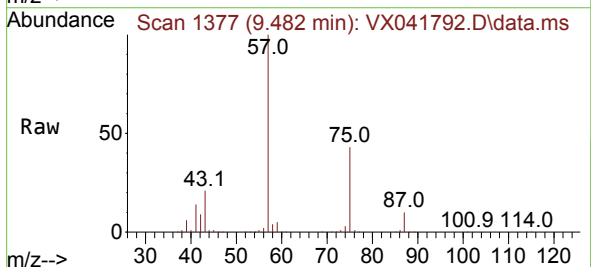
Instrument :
 MSVOA_X
 ClientSampleId :

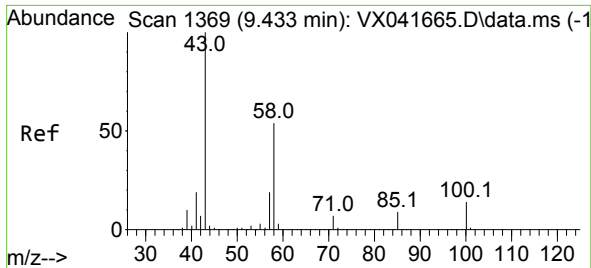
Tgt Ion: 75 Resp: 40488
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 34.8 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 2.315 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX041792.D
 Acq: 07 Jun 2024 16:42

Tgt Ion: 76 Resp: 5682
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

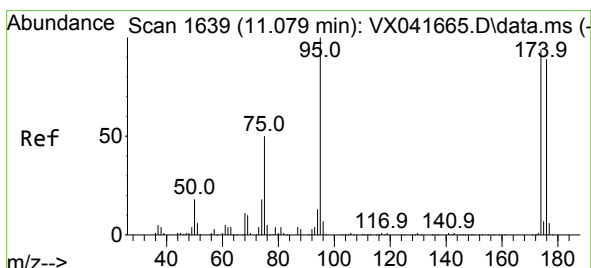
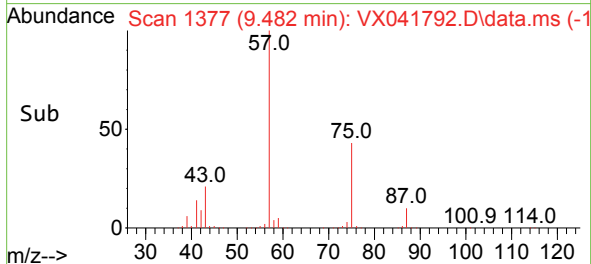
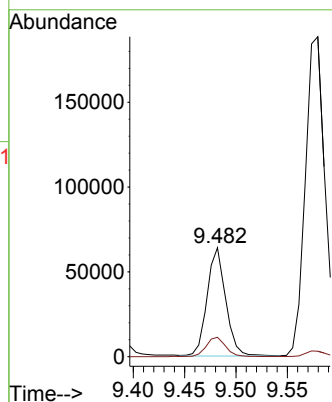
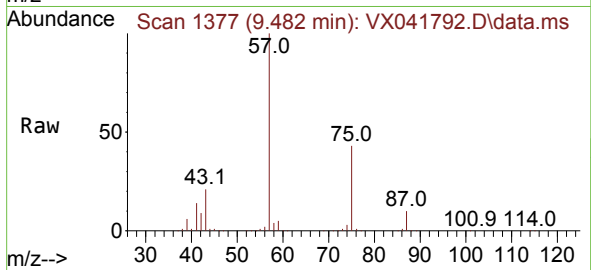




#59
2-Hexanone
Concen: 46.489 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

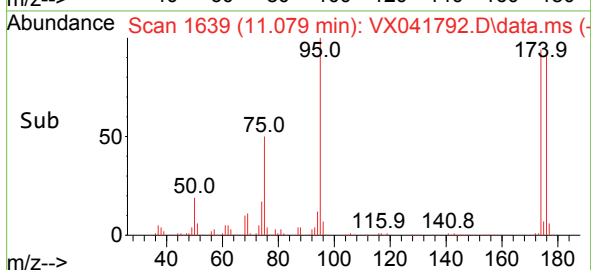
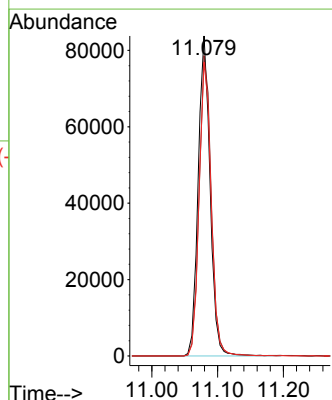
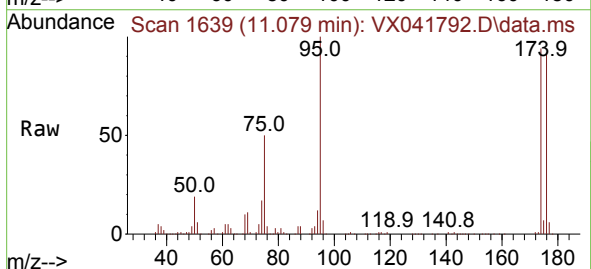
Instrument :
MSVOA_X
ClientSampleId :

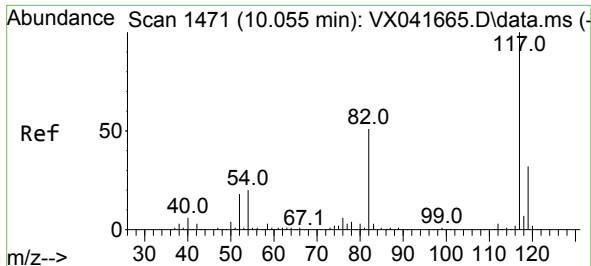
Tgt Ion: 43 Resp: 80956
Ion Ratio Lower Upper
43 100
58 19.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 53.487 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

Tgt Ion: 95 Resp: 105310
Ion Ratio Lower Upper
95 100
174 95.4 0.0 135.6
176 93.1 0.0 131.0

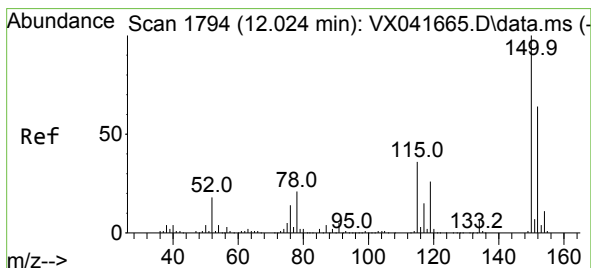
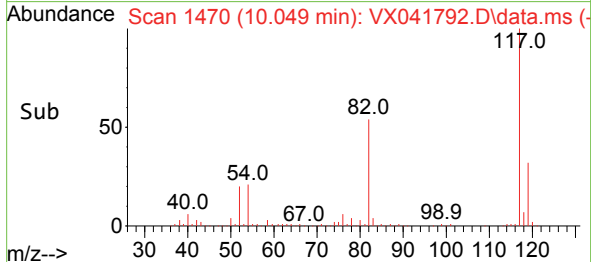
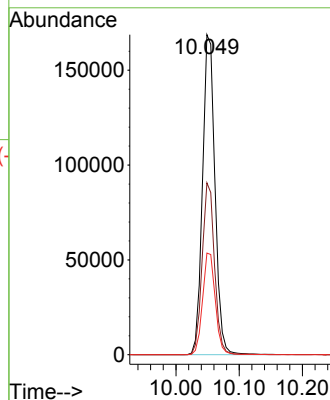
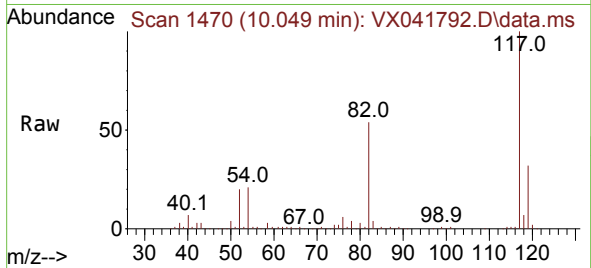




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

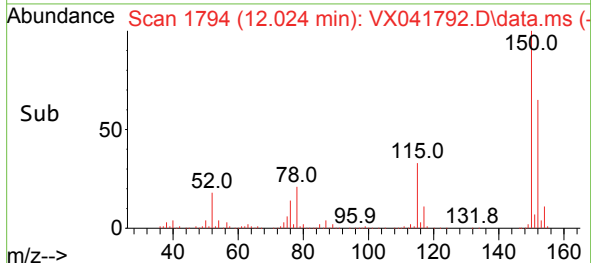
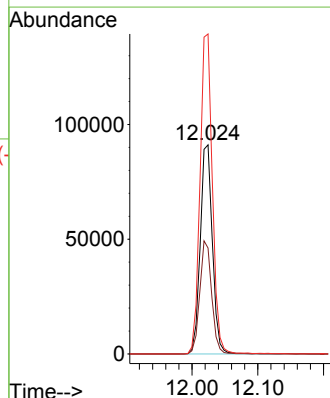
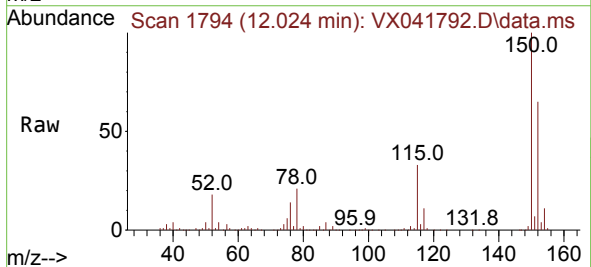
Instrument :
MSVOA_X
ClientSampleId :

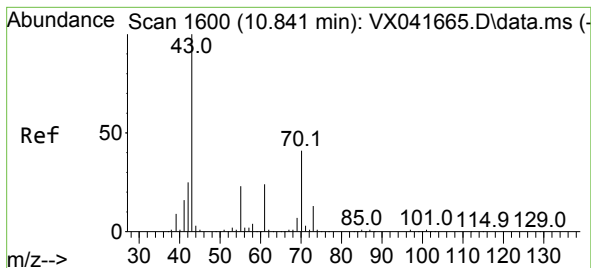
Tgt Ion:117 Resp: 232255
Ion Ratio Lower Upper
117 100
82 53.7 46.2 69.4
119 31.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

Tgt Ion:152 Resp: 116988
Ion Ratio Lower Upper
152 100
115 52.9 43.3 129.9
150 155.5 0.0 345.0





#74

N-amy1 acetate

Concen: 0.253 ug/l

RT: 10.817 min Scan# 1

Delta R.T. -0.024 min

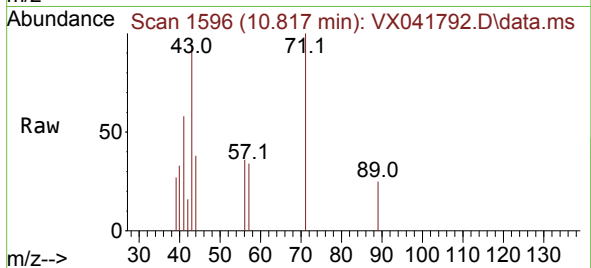
Lab File: VX041792.D

Acq: 07 Jun 2024 16:42

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 814

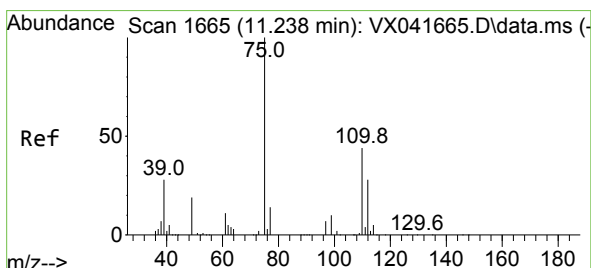
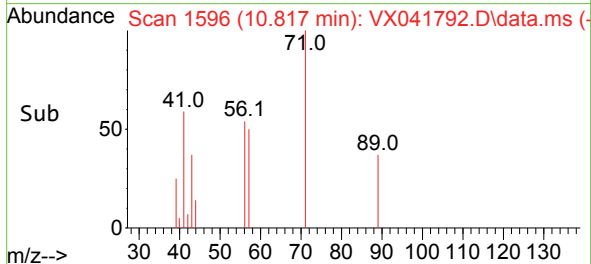
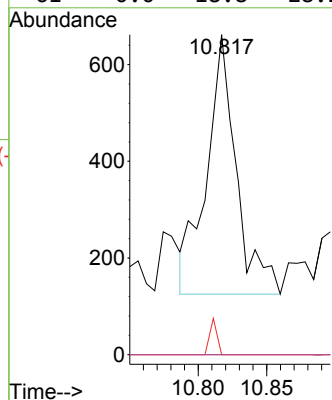
Ion Ratio Lower Upper

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: 26.331 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041792.D

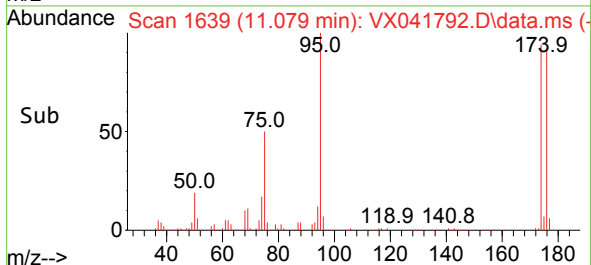
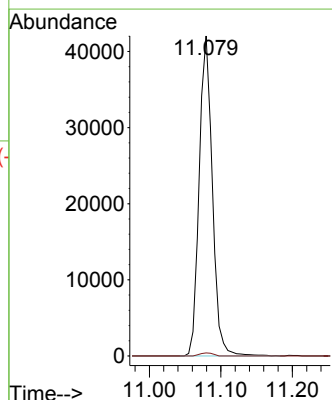
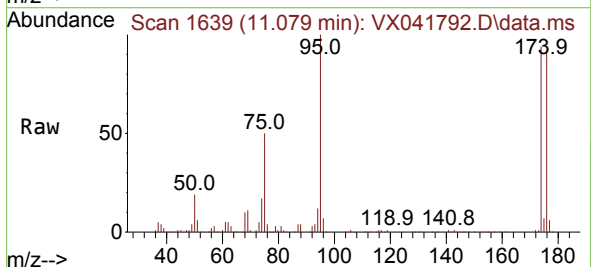
Acq: 07 Jun 2024 16:42

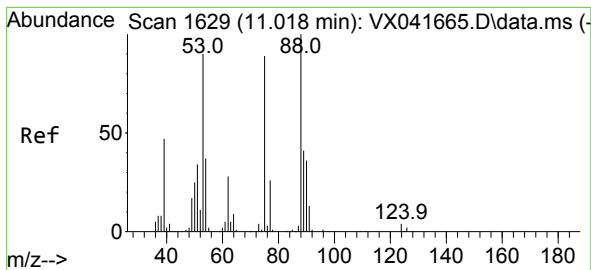
Tgt Ion: 75 Resp: 53747

Ion Ratio Lower Upper

75 100

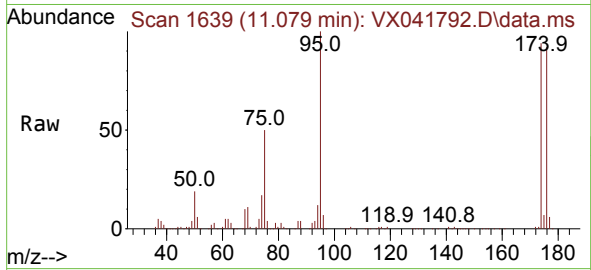
77 1.0 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 71.765 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 53747
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

