

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060724\
 Data File : VX041794.D
 Acq On : 07 Jun 2024 17:29
 Operator : JC/MD
 Sample : PB161359ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 08 05:18:14 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)

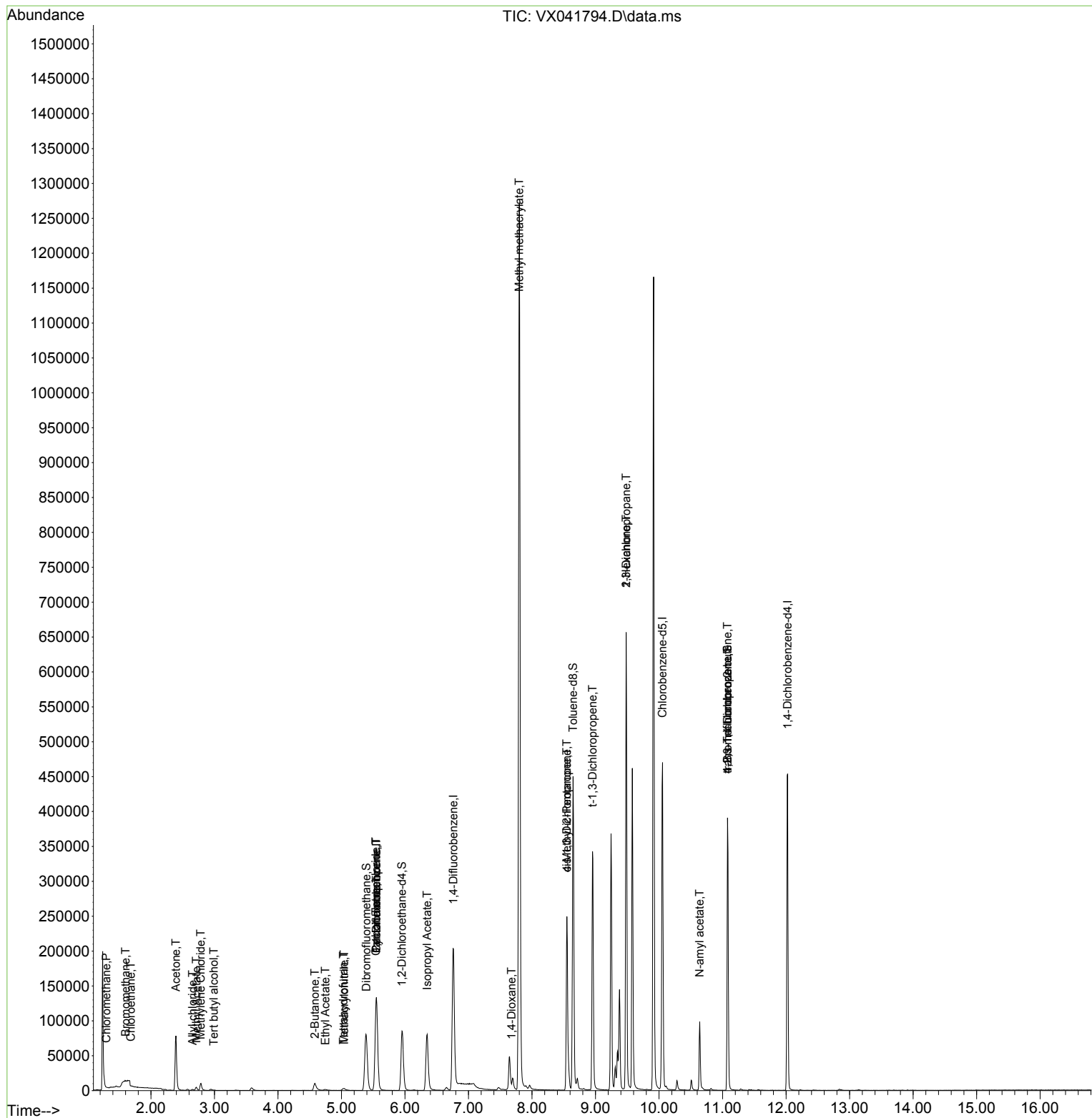
Internal Standards						
1) Pentafluorobenzene	5.550	168	140112	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	219207	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104283	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85076	49.508	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.020%		
35) Dibromofluoromethane	5.391	113	71251	47.012	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.020%		
50) Toluene-d8	8.647	98	261699	49.418	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.840%		
62) 4-Bromofluorobenzene	11.079	95	96352	49.297	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.600%		
Target Compounds						
						Qvalue
3) Chloromethane	1.295	50	303	0.226	ug/l	# 43
5) Bromomethane	1.599	94	395	0.410	ug/l	# 71
6) Chloroethane	1.685	64	984	1.177	ug/l	# 43
11) Tert butyl alcohol	2.989	59	798	2.625	ug/l	# 78
14) Allyl chloride	2.654	41	1749	0.851	ug/l	# 43
16) Acetone	2.392	43	88381	115.871	ug/l	95
18) Methyl Acetate	2.715	43	5616	3.423	ug/l	100
20) Methylene Chloride	2.782	84	5233	3.403	ug/l	87
25) 2-Butanone	4.581	43	20226	18.938	ug/l	98
29) Tetrahydrofuran	5.032	42	3226	4.790	ug/l	94
31) Cyclohexane	5.550	56	2475	1.220	ug/l	# 9
36) 1,1-Dichloropropene	5.550	75	9219	5.024	ug/l	# 51
37) Ethyl Acetate	4.745	43	3097	1.337	ug/l	# 89
38) Carbon Tetrachloride	5.544	117	12750	6.115	ug/l	# 16
41) Methacrylonitrile	5.044	41	1997	1.763	ug/l	# 48
43) Isopropyl Acetate	6.348	43	115116	32.922	ug/l	99
48) Methyl methacrylate	7.799	41	112133	66.777	ug/l	# 48
49) 1,4-Dioxane	7.678	88	79	2.153	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	96574	42.592	ug/l	# 46
53) t-1,3-Dichloropropene	8.952	75	821	0.431	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	39382	18.672	ug/l	# 59
57) 1,3-Dichloropropane	9.482	76	5674	2.329	ug/l	# 42
59) 2-Hexanone	9.482	43	79856	46.194	ug/l	# 52
74) N-amyl acetate	10.640	43	24894	8.688	ug/l	# 53
76) 1,2,3-Trichloropropane	11.079	75	49167	27.022	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	49167	73.648	ug/l	# 5

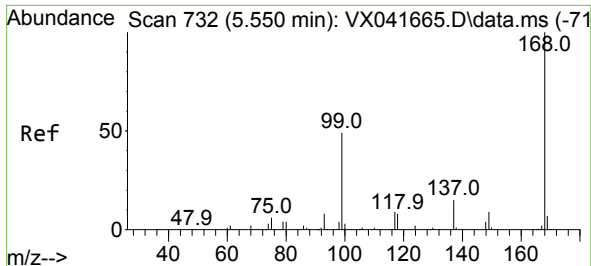
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

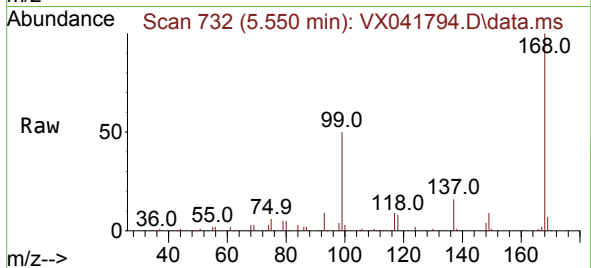
Quant Time: Jun 08 05:18:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
Quant Title : SW846 8260
QLast Update : Thu May 30 07:36:24 2024
Response via : Initial Calibration



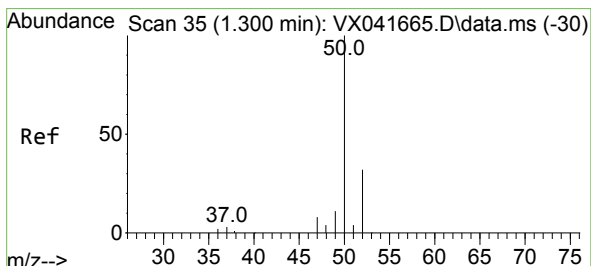
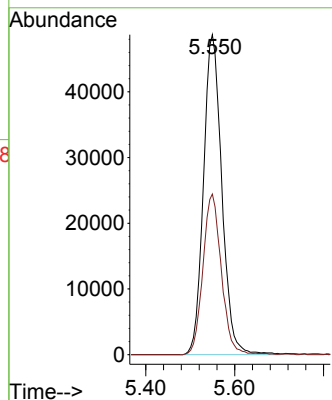
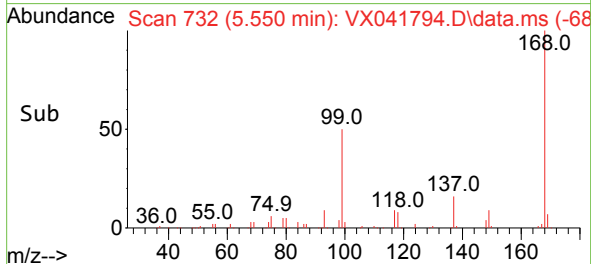


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

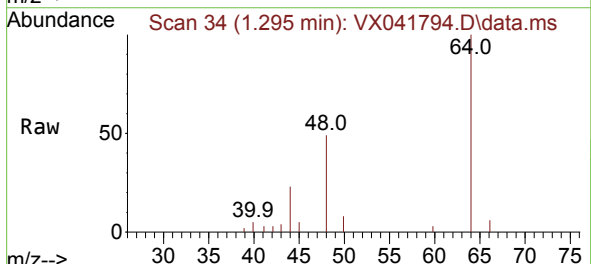
Instrument :
MSVOA_X
ClientSampleId :



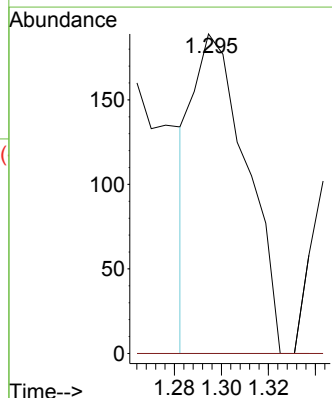
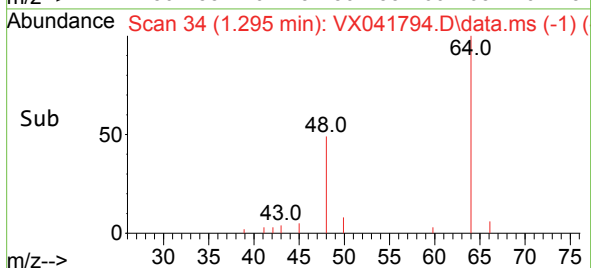
Tgt Ion:168 Resp: 140112
Ion Ratio Lower Upper
168 100
99 50.2 56.6 85.0#

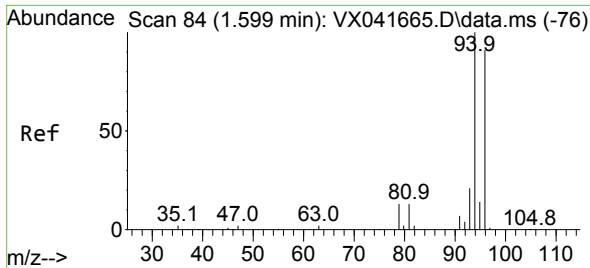


#3
Chloromethane
Concen: 0.226 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29



Tgt Ion: 50 Resp: 303
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

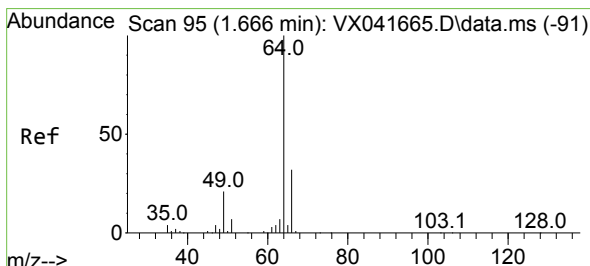
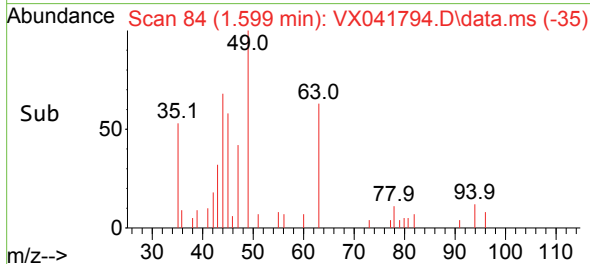
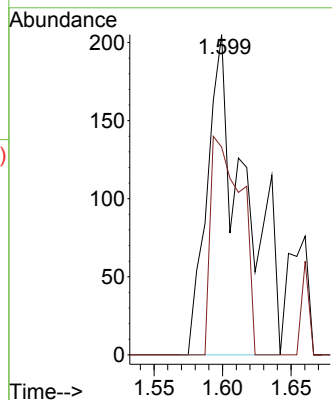
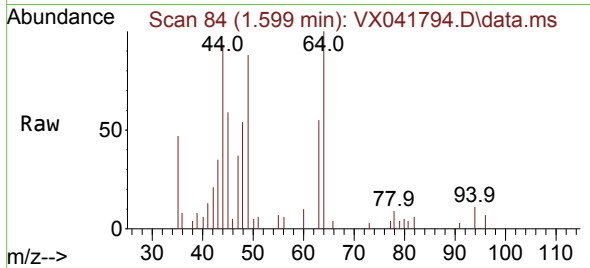




#5
Bromomethane
Concen: 0.410 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

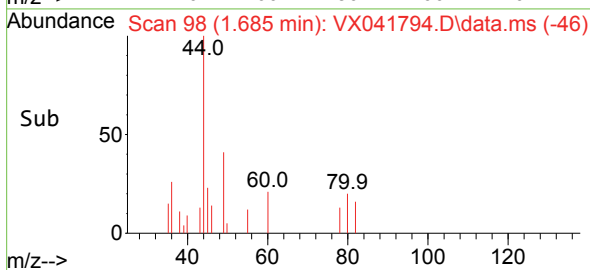
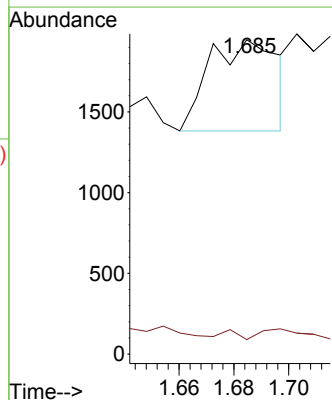
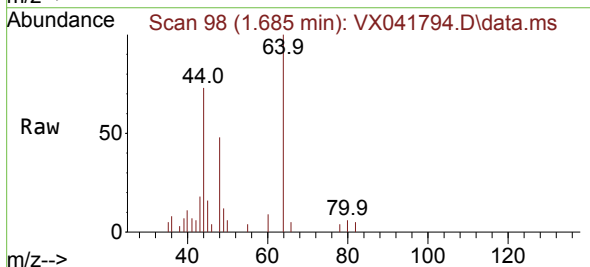
Instrument :
MSVOA_X
ClientSampleId :

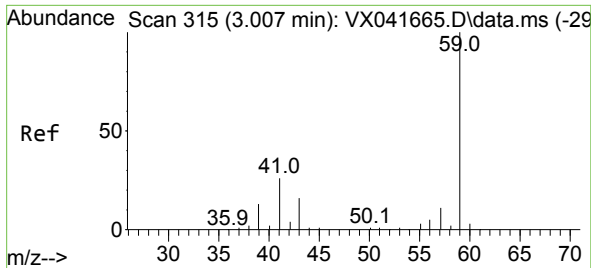
Tgt Ion: 94 Resp: 395
Ion Ratio Lower Upper
94 100
96 64.9 74.6 111.8#



#6
Chloroethane
Concen: 1.177 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.018 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

Tgt Ion: 64 Resp: 984
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 2.625 ug/l

RT: 2.989 min Scan# 315

Delta R.T. -0.018 min

Lab File: VX041794.D

Acq: 07 Jun 2024 17:29

Instrument :

MSVOA_X

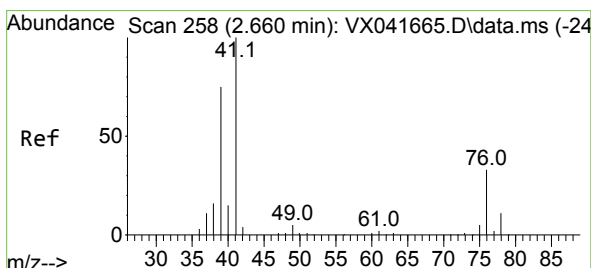
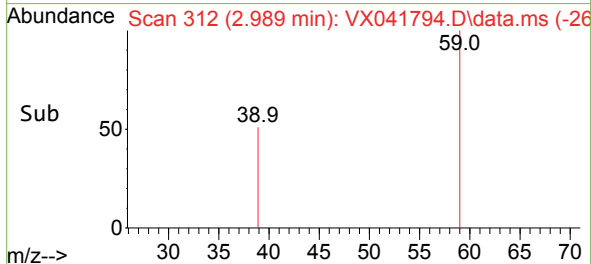
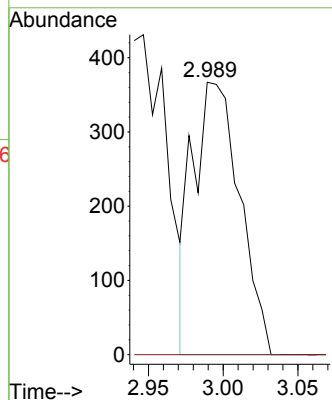
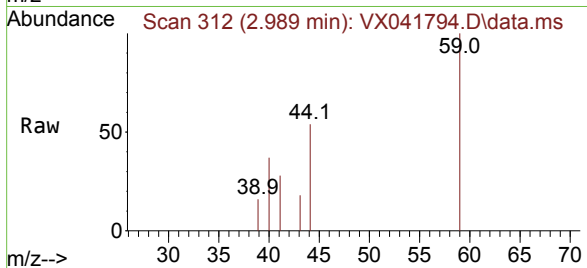
ClientSampleId :

Tgt Ion: 59 Resp: 798

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#14

Allyl chloride

Concen: 0.851 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX041794.D

Acq: 07 Jun 2024 17:29

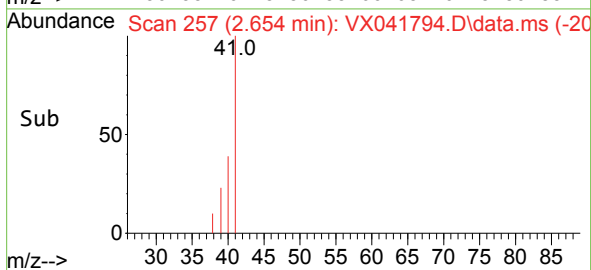
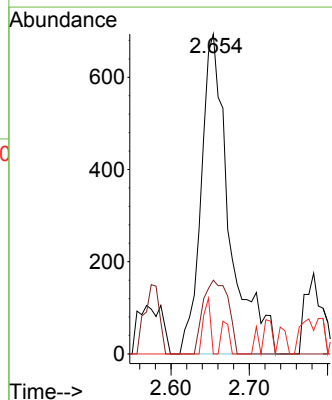
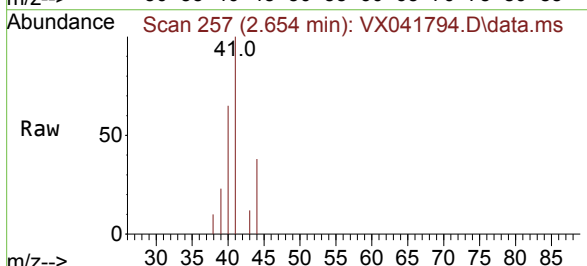
Tgt Ion: 41 Resp: 1749

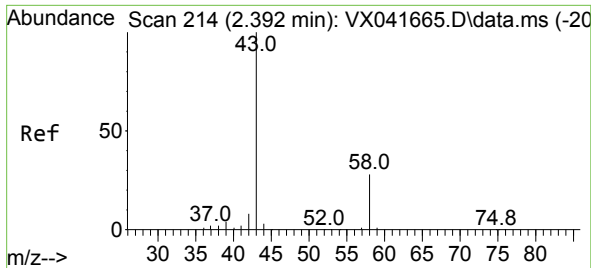
Ion Ratio Lower Upper

41 100

39 20.3 55.8 83.6#

76 4.3 24.3 36.5#

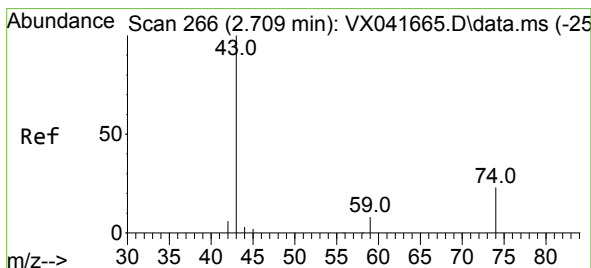
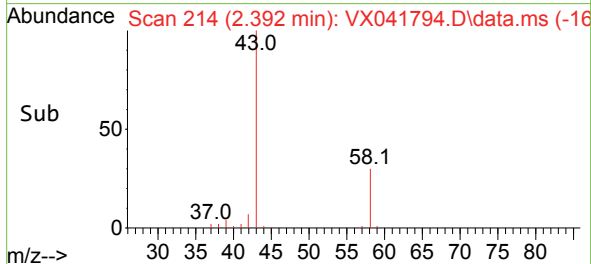
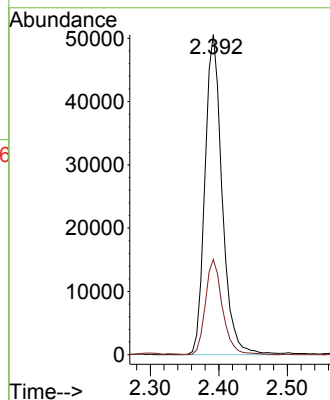
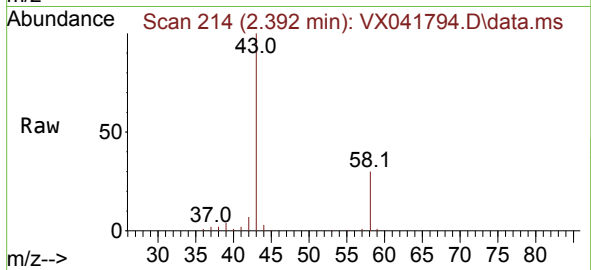




#16
Acetone
Concen: 115.871 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

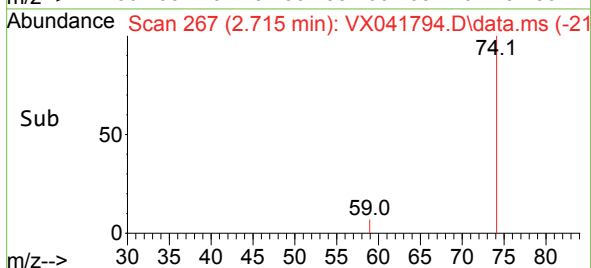
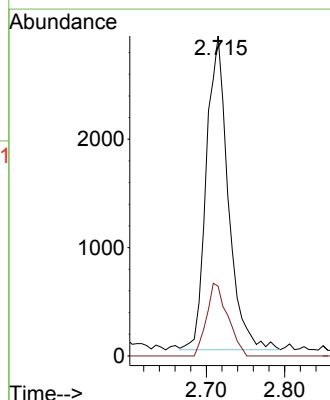
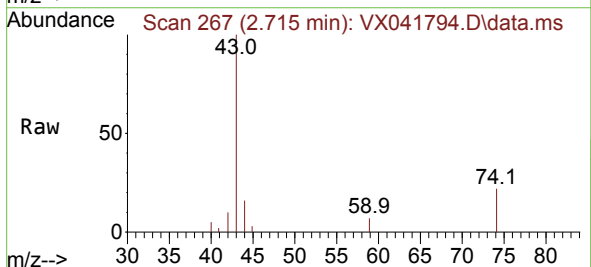
Instrument :
MSVOA_X
ClientSampleId :

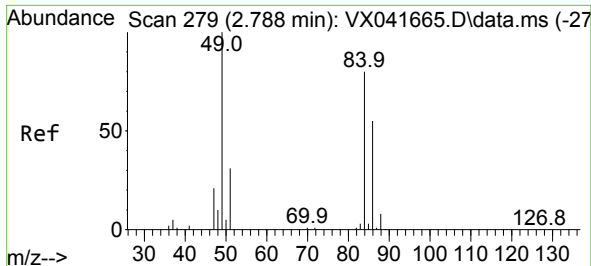
Tgt Ion: 43 Resp: 88381
Ion Ratio Lower Upper
43 100
58 29.8 21.9 32.9



#18
Methyl Acetate
Concen: 3.423 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

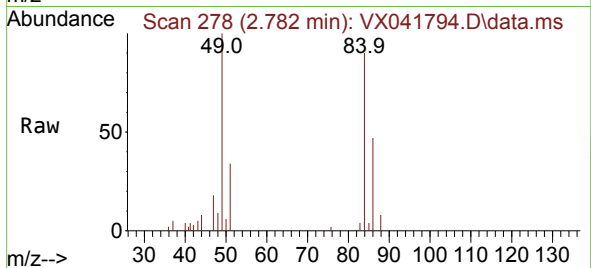
Tgt Ion: 43 Resp: 5616
Ion Ratio Lower Upper
43 100
74 22.2 17.8 26.8



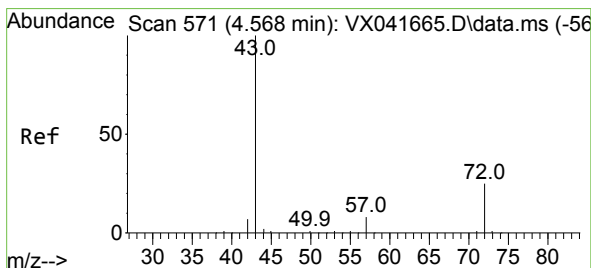
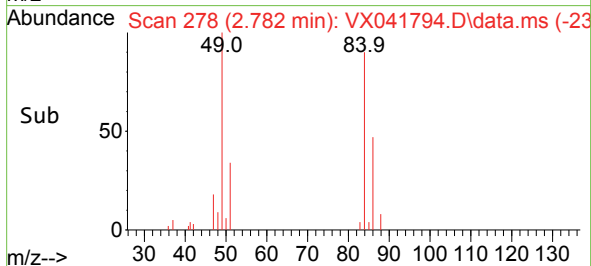
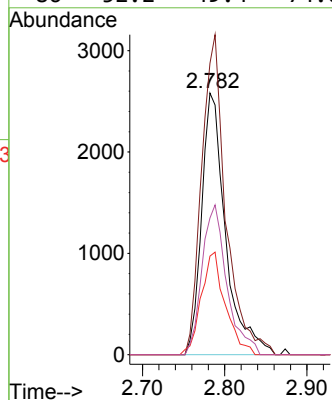


#20
Methylene Chloride
Concen: 3.403 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

Instrument :
MSVOA_X
ClientSampleId :

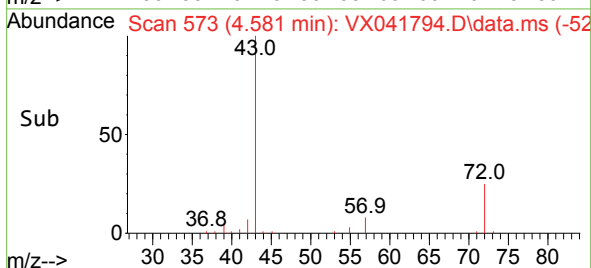
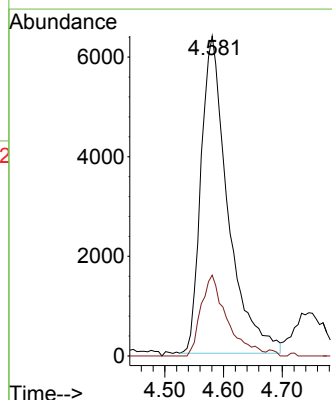
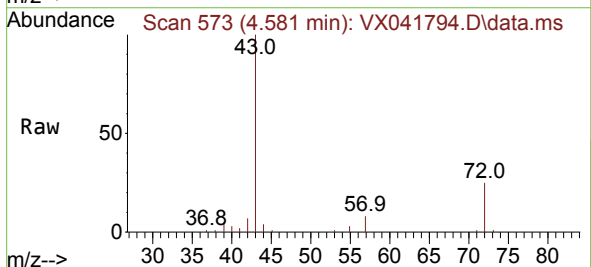


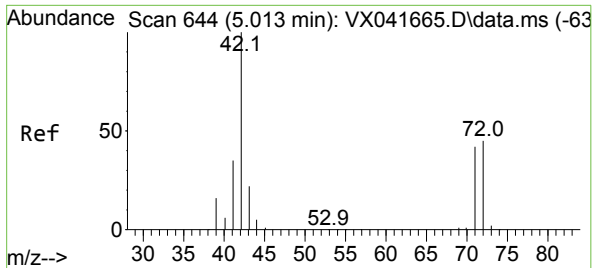
Tgt Ion: 84	Resp: 5233
Ion Ratio	Lower Upper
84 100	
49 111.4	103.6 155.4
51 37.7	33.8 50.6
86 52.2	49.4 74.0



#25
2-Butanone
Concen: 18.938 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

Tgt Ion: 43	Resp: 20226
Ion Ratio	Lower Upper
43 100	
72 25.5	19.4 29.2





#29

Tetrahydrofuran

Concen: 4.790 ug/l

RT: 5.032 min Scan# 644

Delta R.T. 0.018 min

Lab File: VX041794.D

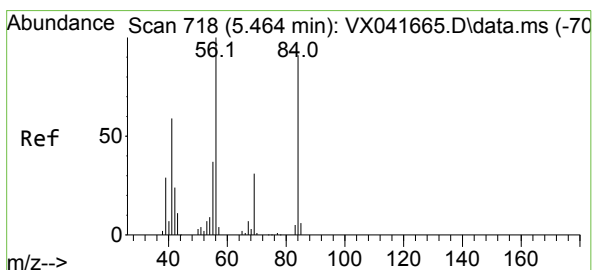
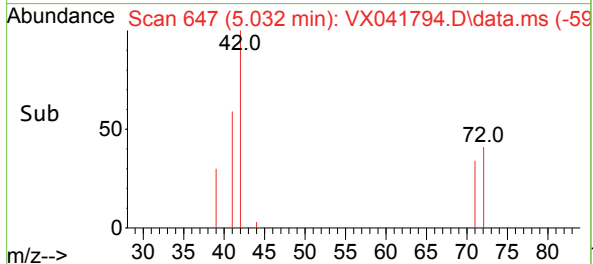
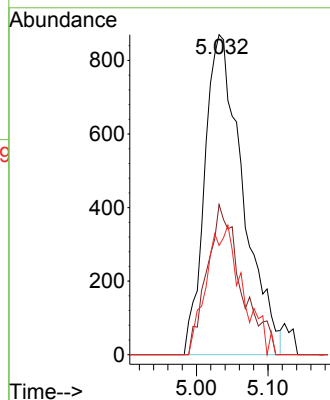
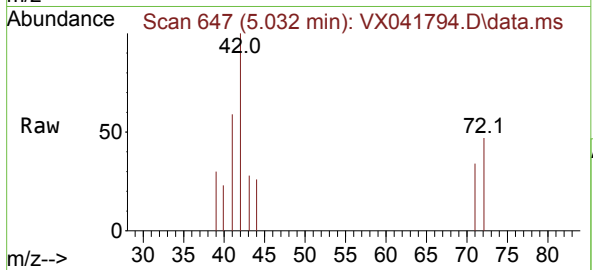
Acq: 07 Jun 2024 17:29

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	3226
Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.2	51.4
71	33.8	32.2	48.2



#31

Cyclohexane

Concen: 1.220 ug/l

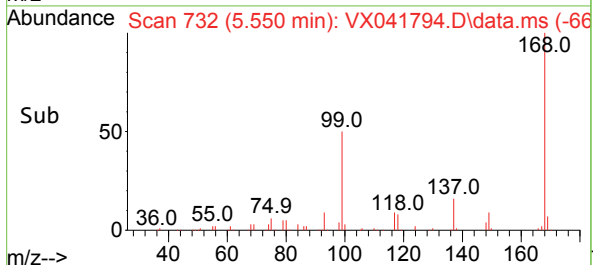
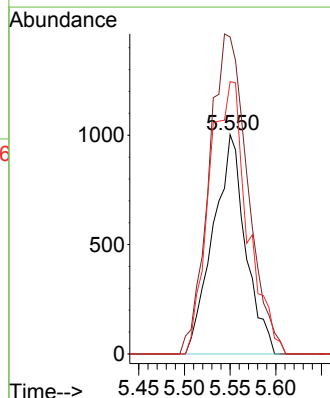
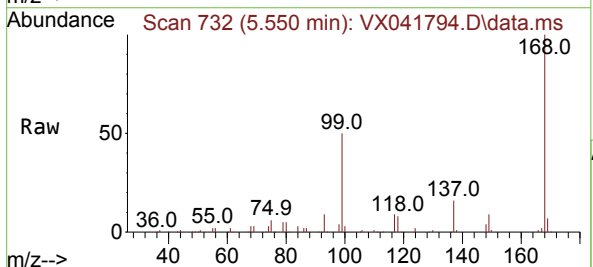
RT: 5.550 min Scan# 732

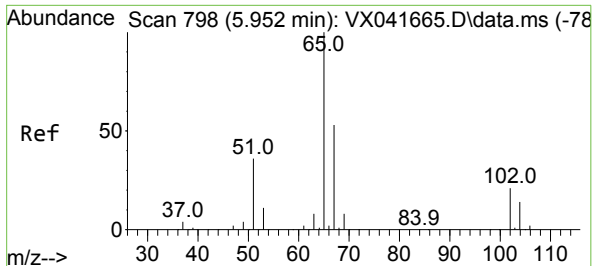
Delta R.T. 0.086 min

Lab File: VX041794.D

Acq: 07 Jun 2024 17:29

Tgt Ion:	56	Resp:	2475
Ion	Ratio	Lower	Upper
56	100		
69	144.6	23.4	35.2#
84	124.3	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 49.508 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041794.D

Acq: 07 Jun 2024 17:29

Instrument :

MSVOA_X

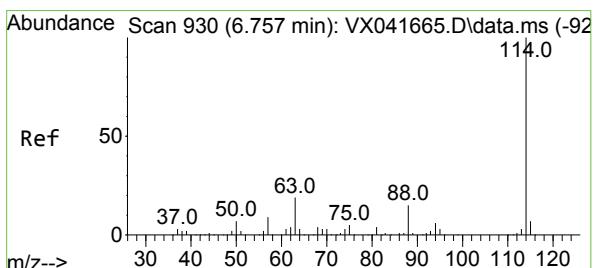
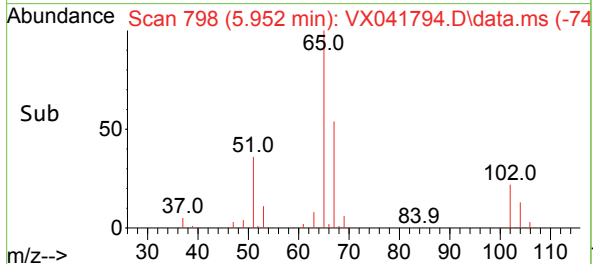
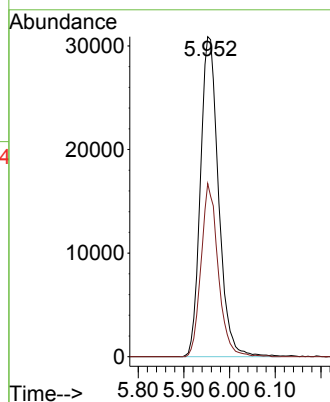
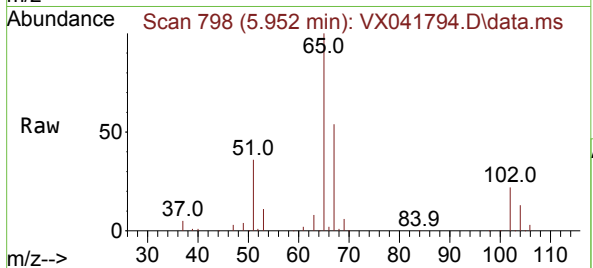
ClientSampleId :

Tgt Ion: 65 Resp: 85076

Ion Ratio Lower Upper

65 100

67 51.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX041794.D

Acq: 07 Jun 2024 17:29

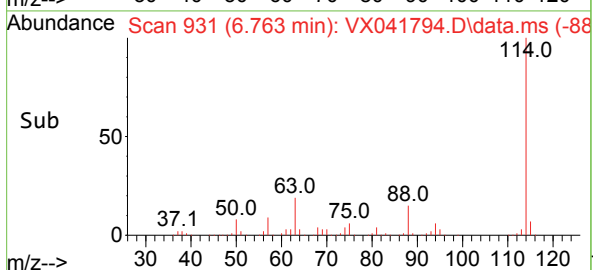
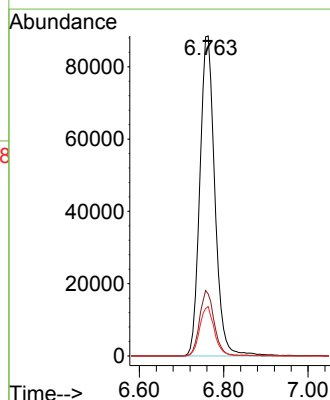
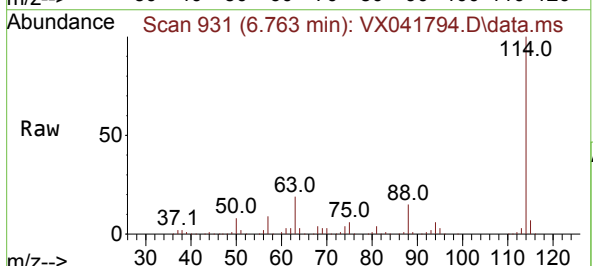
Tgt Ion: 114 Resp: 219207

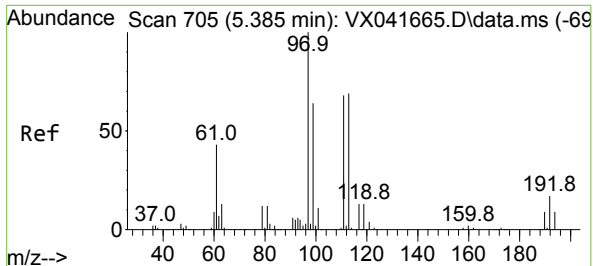
Ion Ratio Lower Upper

114 100

63 19.3 0.0 45.0

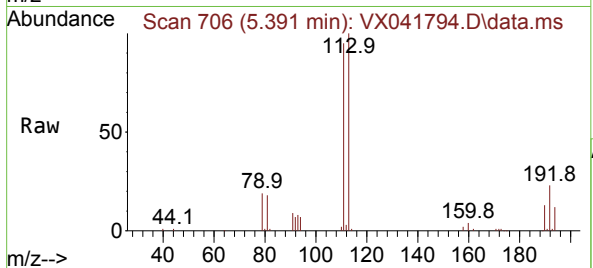
88 15.5 0.0 36.6



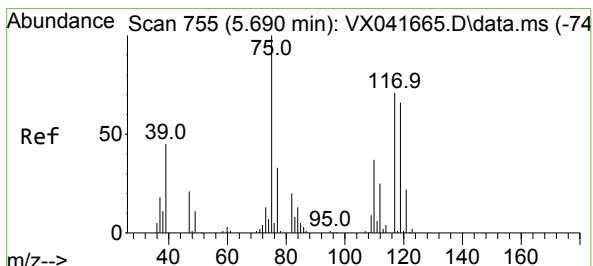
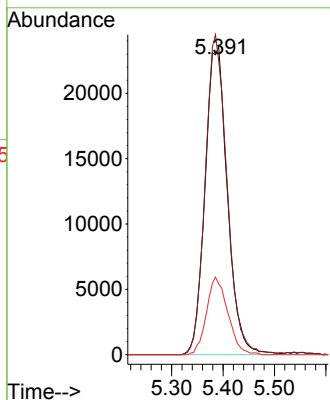
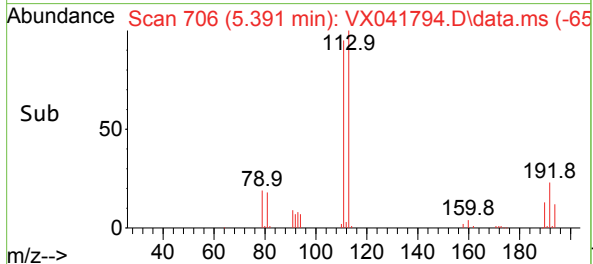


#35
Dibromofluoromethane
Concen: 47.012 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

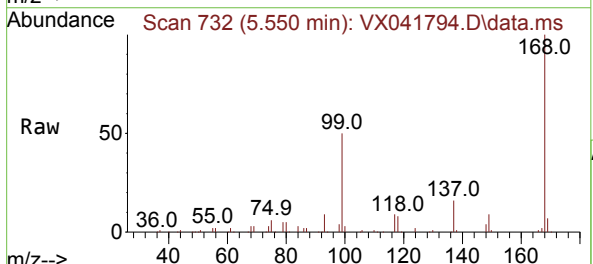
Instrument :
MSVOA_X
ClientSampleId :



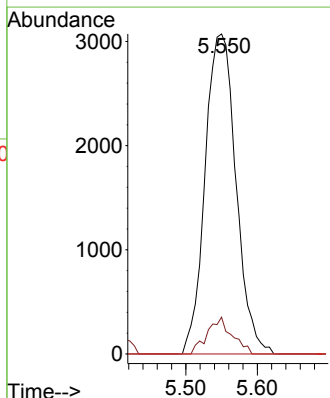
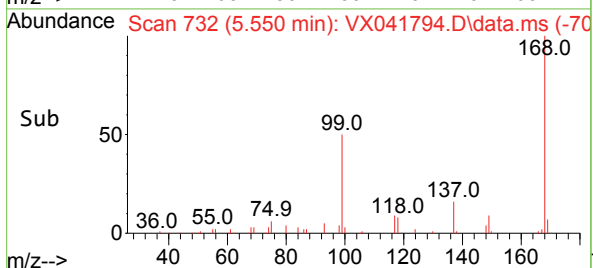
Tgt Ion:113 Resp: 71251
Ion Ratio Lower Upper
113 100
111 101.5 82.9 124.3
192 24.0 13.3 19.9#

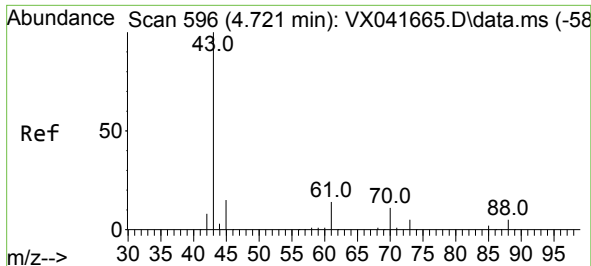


#36
1,1-Dichloropropene
Concen: 5.024 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29



Tgt Ion: 75 Resp: 9219
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.337 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.025 min

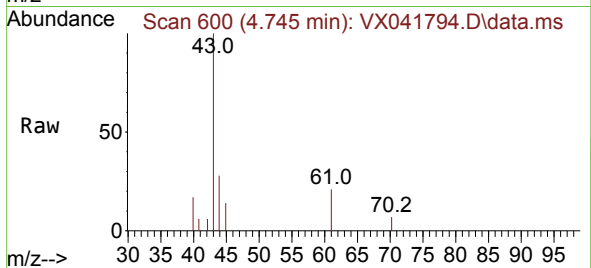
Lab File: VX041794.D

Acq: 07 Jun 2024 17:29

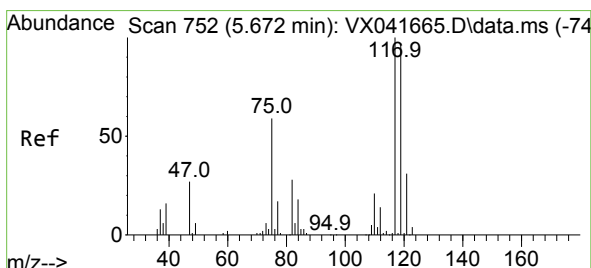
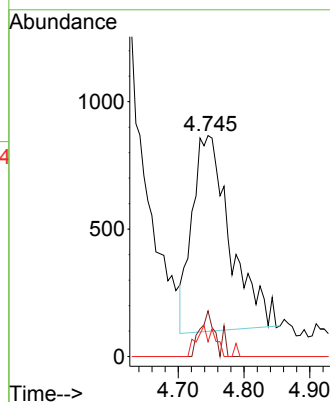
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	3097
Ion Ratio	100	Lower	Upper
43	100		
61	8.3	10.6	16.0#
70	7.3	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 6.115 ug/l

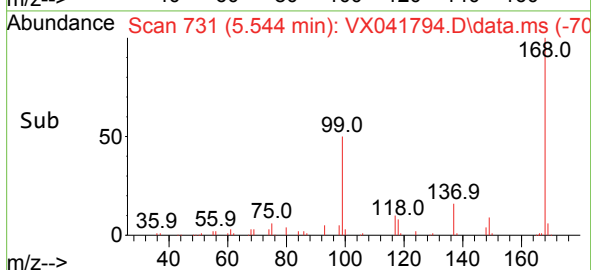
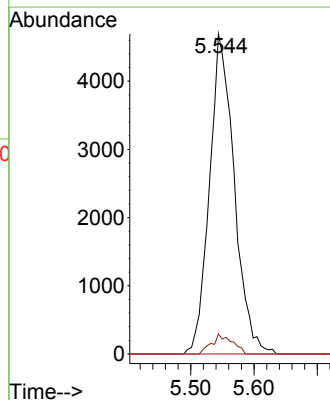
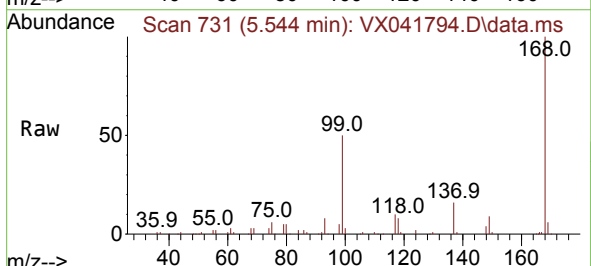
RT: 5.544 min Scan# 731

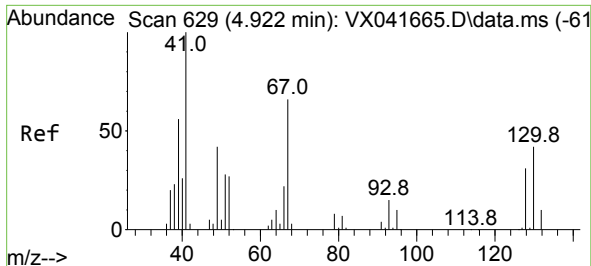
Delta R.T. -0.128 min

Lab File: VX041794.D

Acq: 07 Jun 2024 17:29

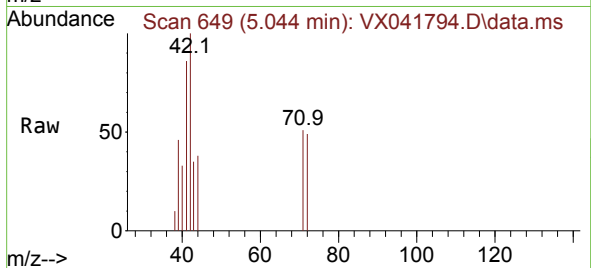
Tgt Ion:	117	Resp:	12750
Ion Ratio	100	Lower	Upper
117	100		
119	6.3	78.2	117.2#
121	0.0	24.4	36.6#



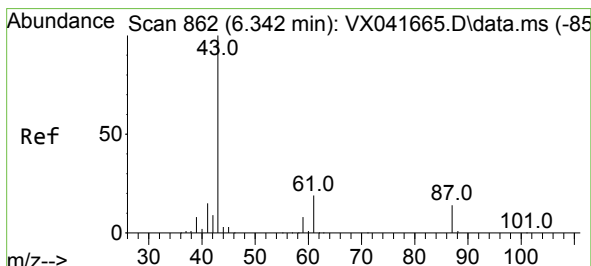
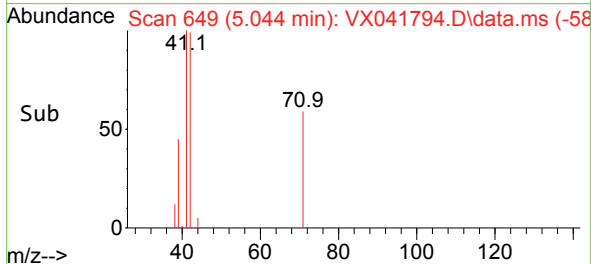
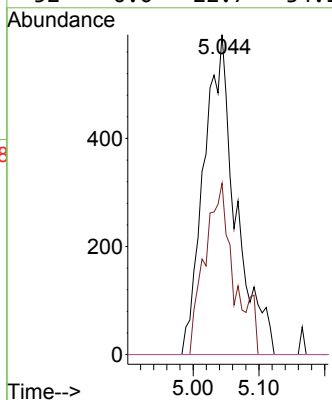


#41
Methacrylonitrile
Concen: 1.763 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.122 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

Instrument :
MSVOA_X
ClientSampleId :

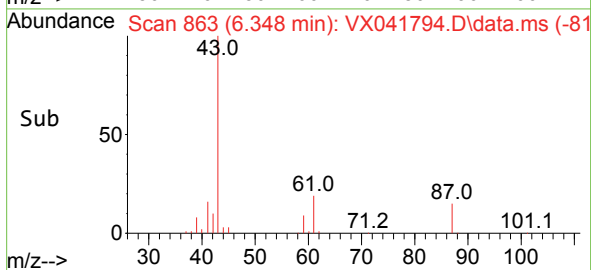
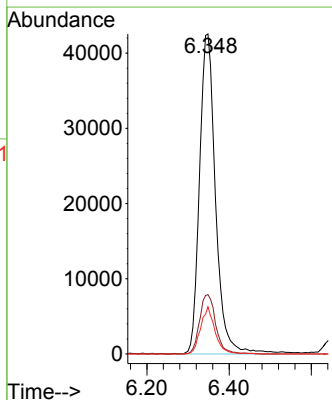
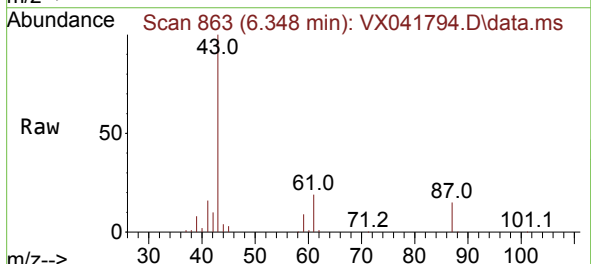


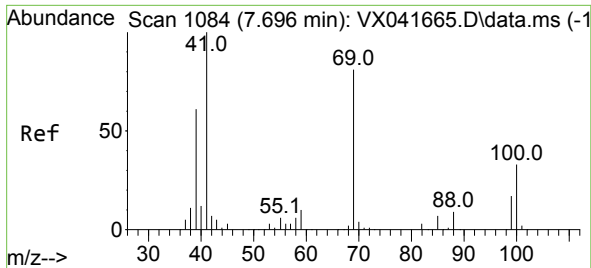
Tgt Ion:	41	Resp:	1997
Ion	Ratio	Lower	Upper
41	100		
39	45.4	45.2	67.8
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#



#43
Isopropyl Acetate
Concen: 32.922 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

Tgt Ion:	43	Resp:	115116
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.2	22.8
87	13.1	9.8	14.6

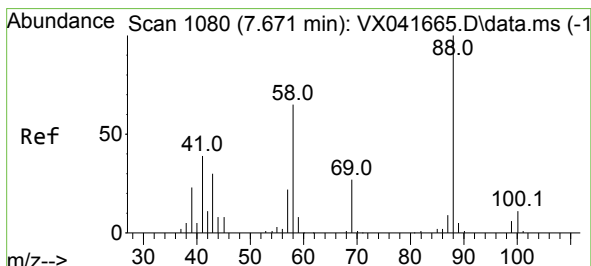
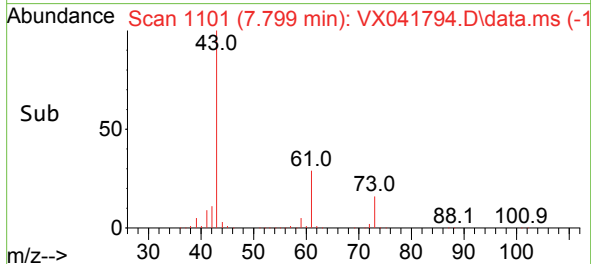
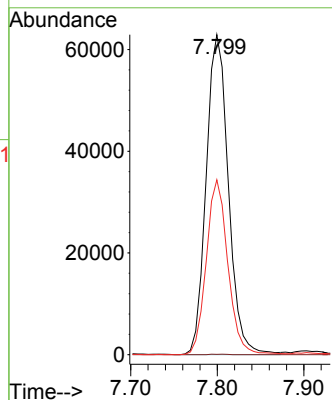
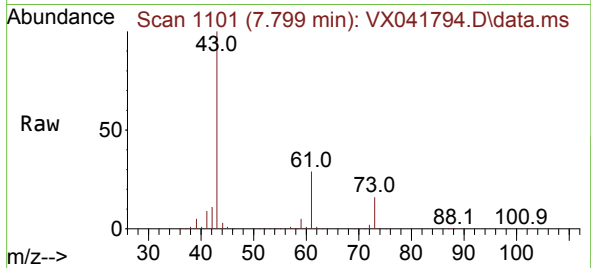




#48
Methyl methacrylate
Concen: 66.777 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

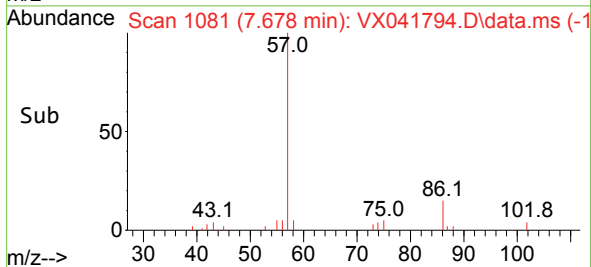
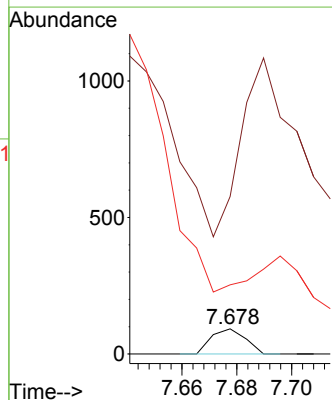
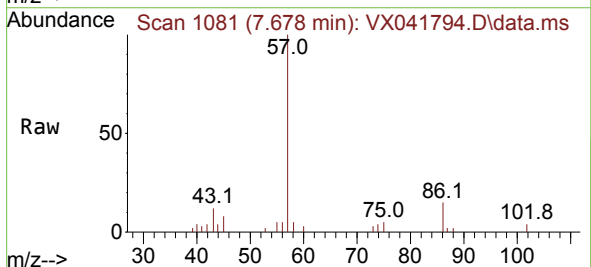
Instrument :
MSVOA_X
ClientSampleId :

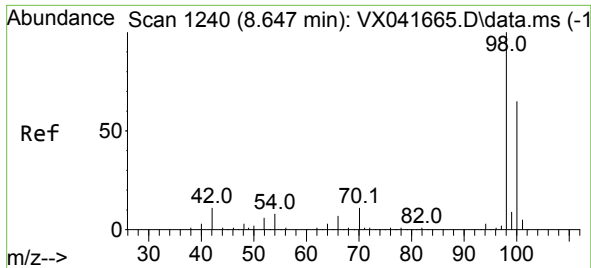
Tgt Ion: 41 Resp: 112133
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 53.1 47.7 71.5



#49
1,4-Dioxane
Concen: 2.153 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.006 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

Tgt Ion: 88 Resp: 79
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 815.2 60.1 90.1#

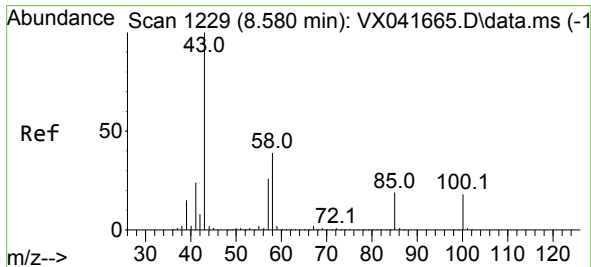
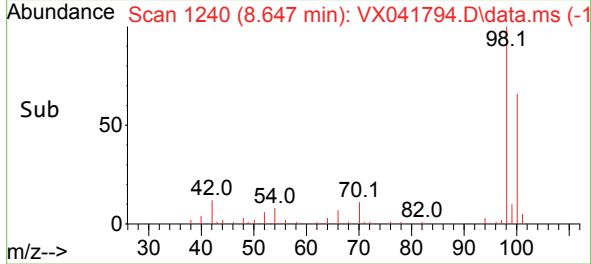
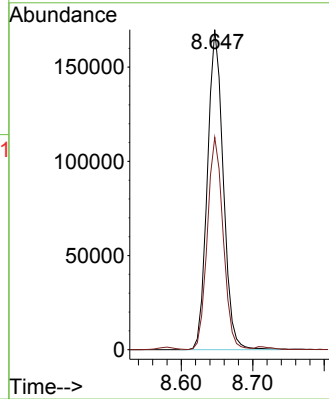
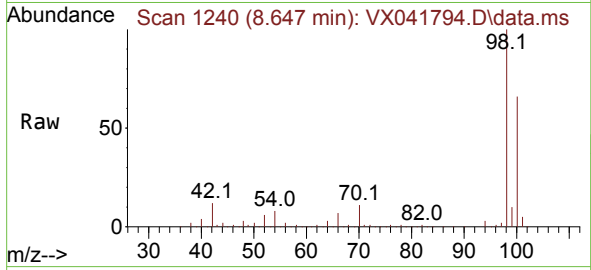




#50
Toluene-d8
Concen: 49.418 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

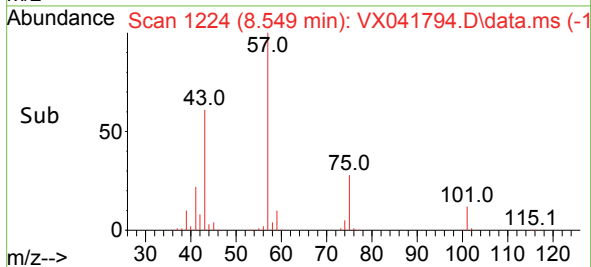
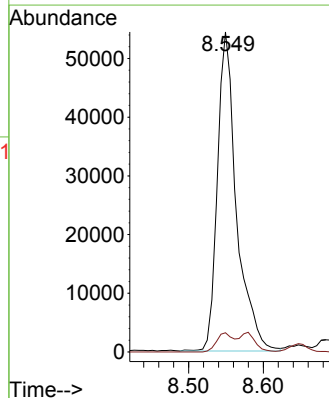
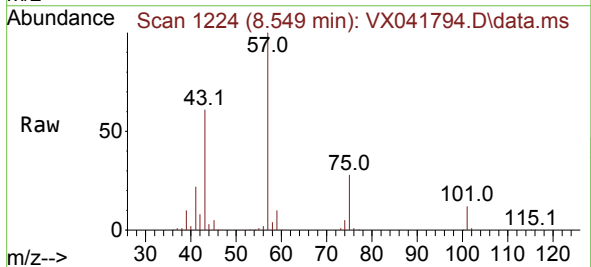
Instrument :
MSVOA_X
ClientSampleId :

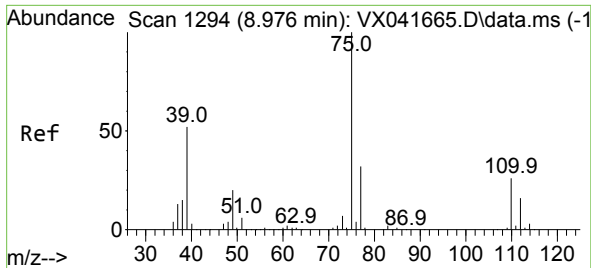
Tgt Ion: 98 Resp: 261699
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 42.592 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

Tgt Ion: 43 Resp: 96574
Ion Ratio Lower Upper
43 100
58 5.2 30.4 45.6#

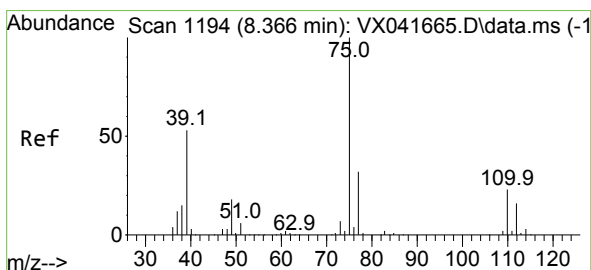
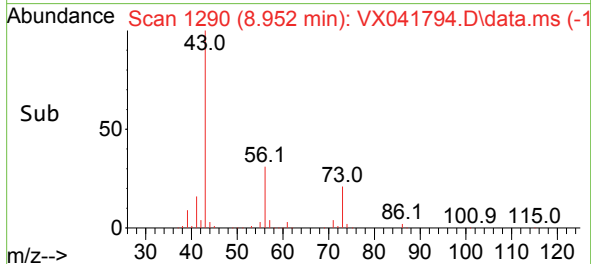
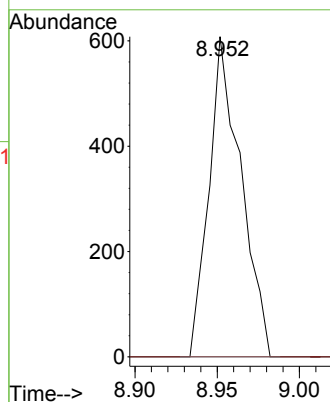
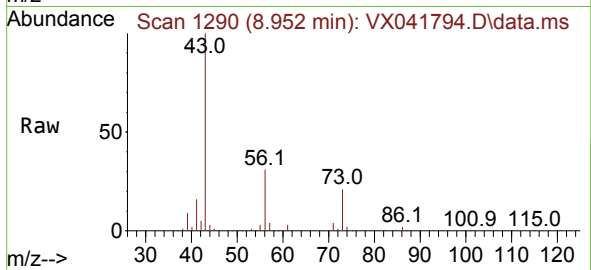




#53
 t-1,3-Dichloropropene
 Concen: 0.431 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX041794.D
 Acq: 07 Jun 2024 17:29

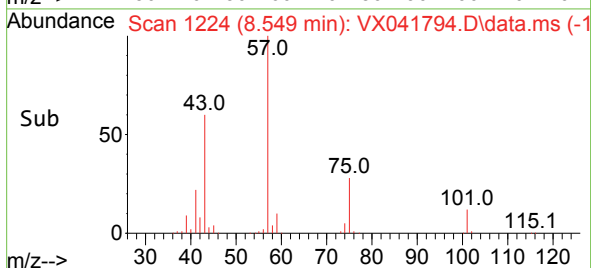
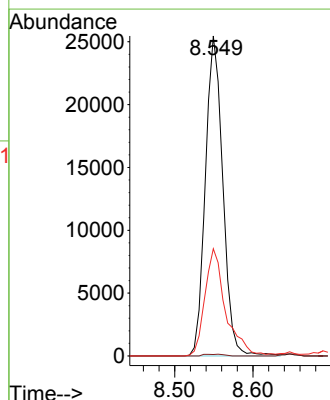
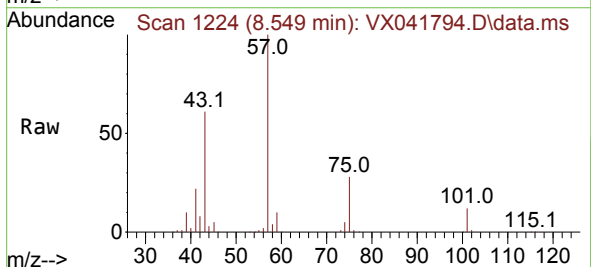
Instrument :
 MSVOA_X
 ClientSampleId :

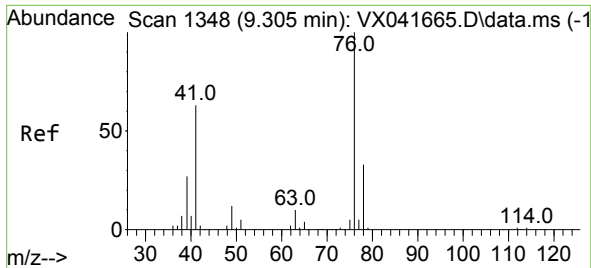
Tgt Ion: 75 Resp: 821
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 18.672 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX041794.D
 Acq: 07 Jun 2024 17:29

Tgt Ion: 75 Resp: 39382
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 33.5 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.329 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX041794.D

Acq: 07 Jun 2024 17:29

Instrument :

MSVOA_X

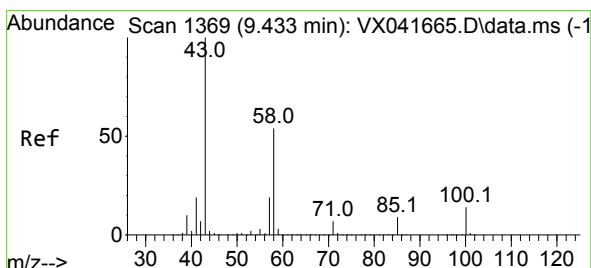
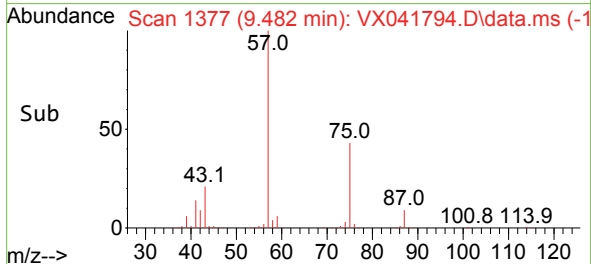
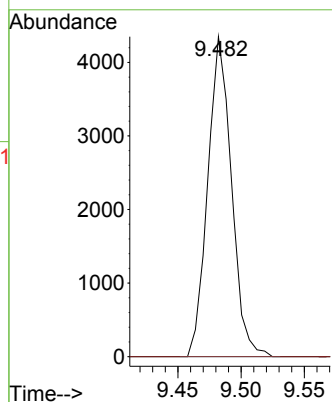
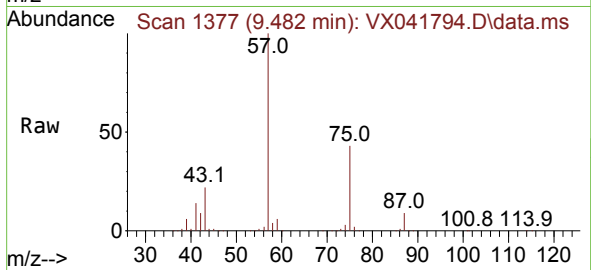
ClientSampleId :

Tgt Ion: 76 Resp: 5674

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 46.194 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX041794.D

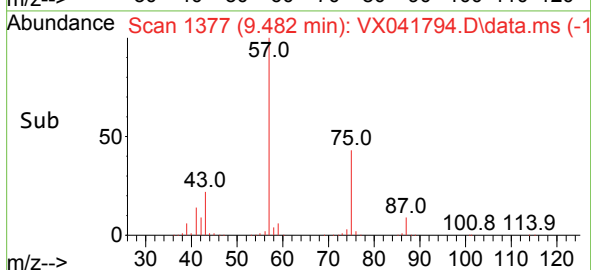
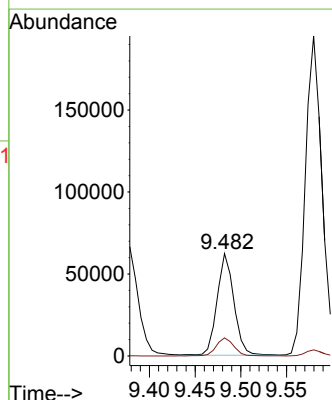
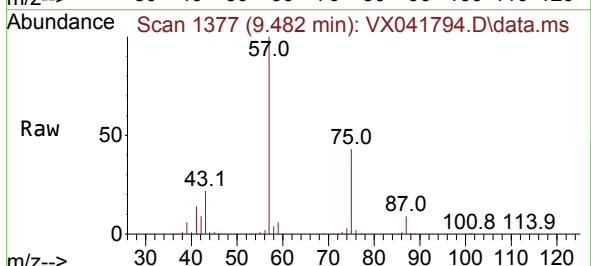
Acq: 07 Jun 2024 17:29

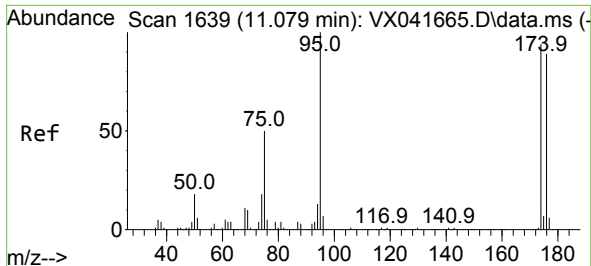
Tgt Ion: 43 Resp: 79856

Ion Ratio Lower Upper

43 100

58 18.8 26.2 78.5#

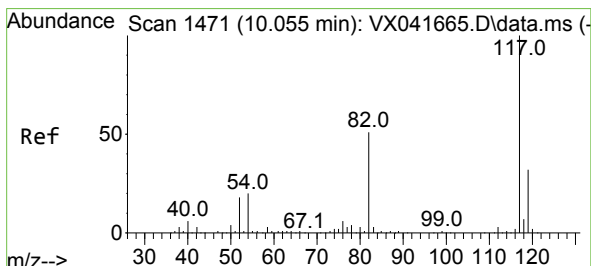
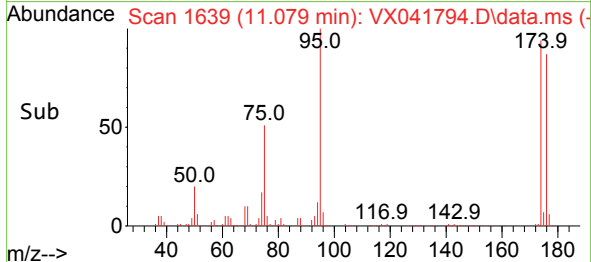
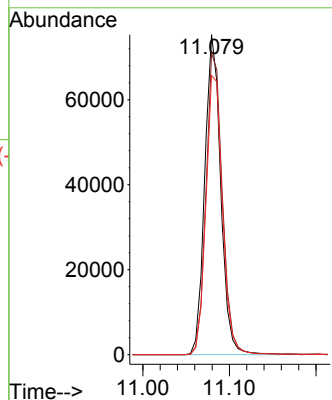
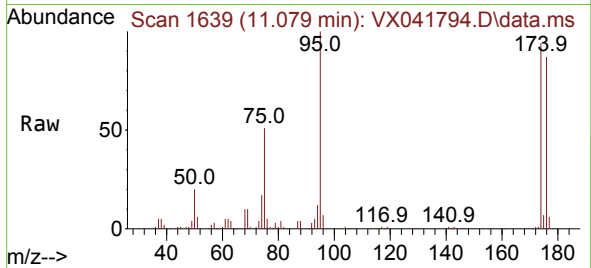




#62
4-Bromofluorobenzene
Concen: 49.297 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

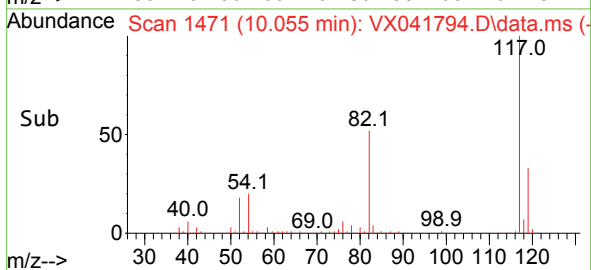
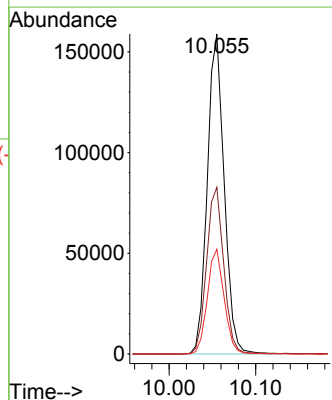
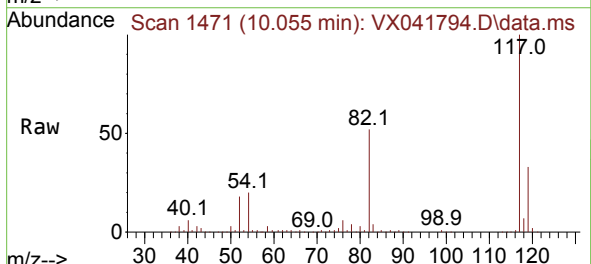
Instrument :
MSVOA_X
ClientSampleId :

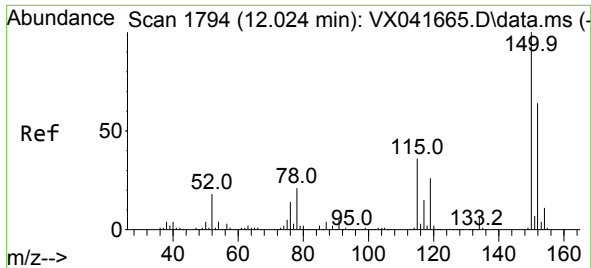
Tgt Ion: 95 Resp: 96352
Ion Ratio Lower Upper
95 100
174 97.1 0.0 135.6
176 90.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

Tgt Ion: 117 Resp: 214973
Ion Ratio Lower Upper
117 100
82 52.1 46.2 69.4
119 32.7 25.5 38.3

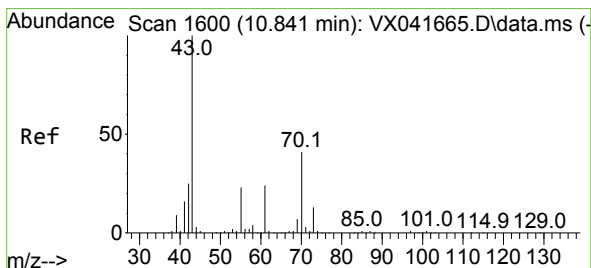
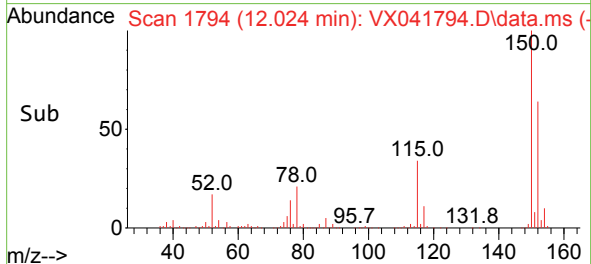
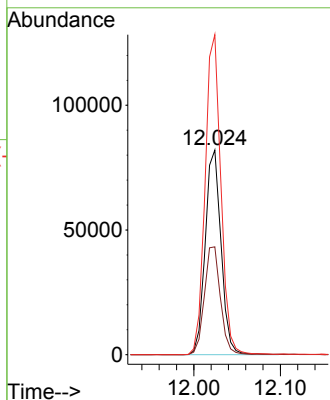
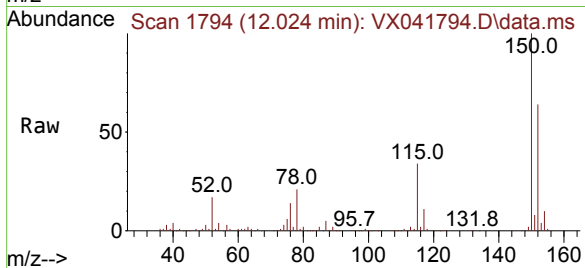




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

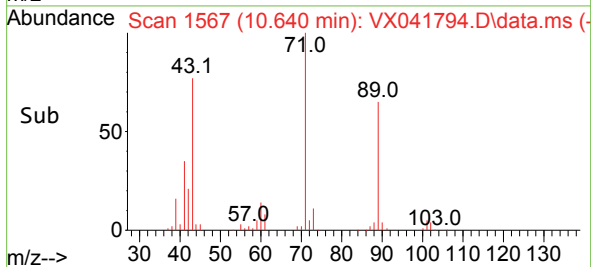
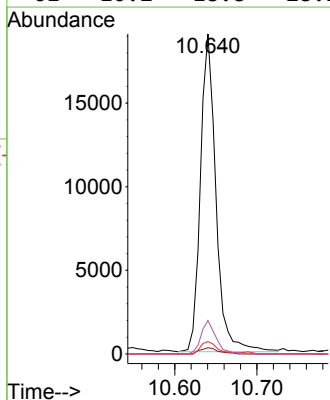
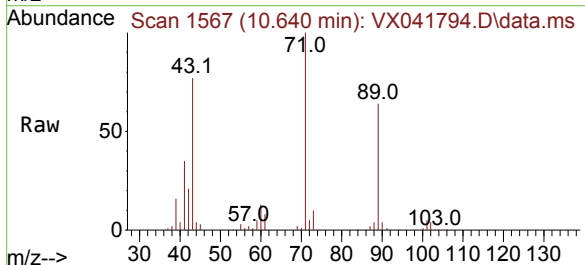
Instrument :
MSVOA_X
ClientSampleId :

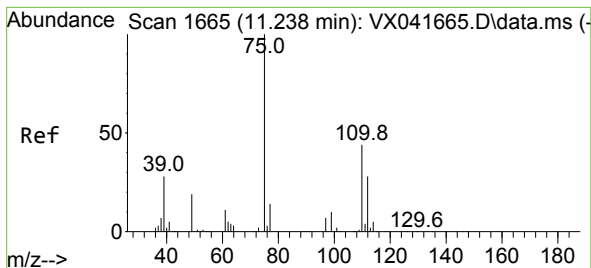
Tgt Ion:152 Resp: 104283
Ion Ratio Lower Upper
152 100
115 53.8 43.3 129.9
150 155.5 0.0 345.0



#74
N-ethyl acetate
Concen: 8.688 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

Tgt Ion: 43 Resp: 24894
Ion Ratio Lower Upper
43 100
70 2.3 32.9 49.3#
55 4.2 19.3 28.9#
61 10.2 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 27.022 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041794.D

Acq: 07 Jun 2024 17:29

Instrument :

MSVOA_X

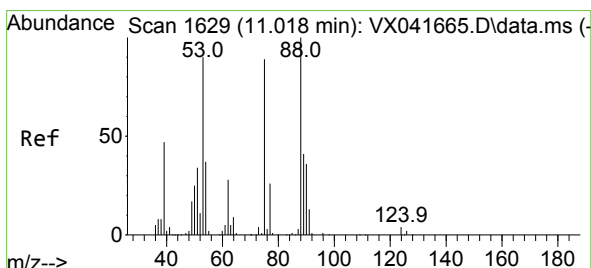
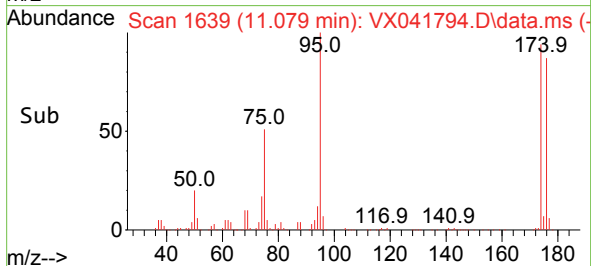
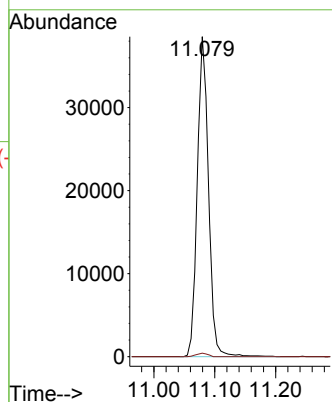
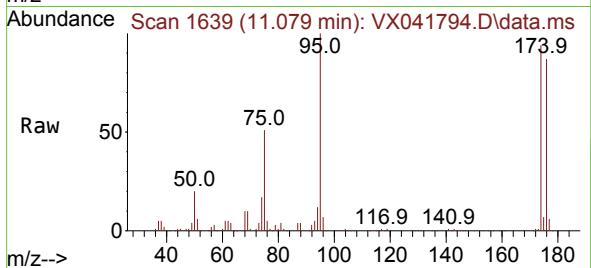
ClientSampleId :

Tgt Ion: 75 Resp: 49167

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.648 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041794.D

Acq: 07 Jun 2024 17:29

Tgt Ion: 75 Resp: 49167

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

