

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061324\
 Data File : VX041849.D
 Acq On : 13 Jun 2024 13:21
 Operator : JC/MD
 Sample : PB161467ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 14 00:57:02 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)

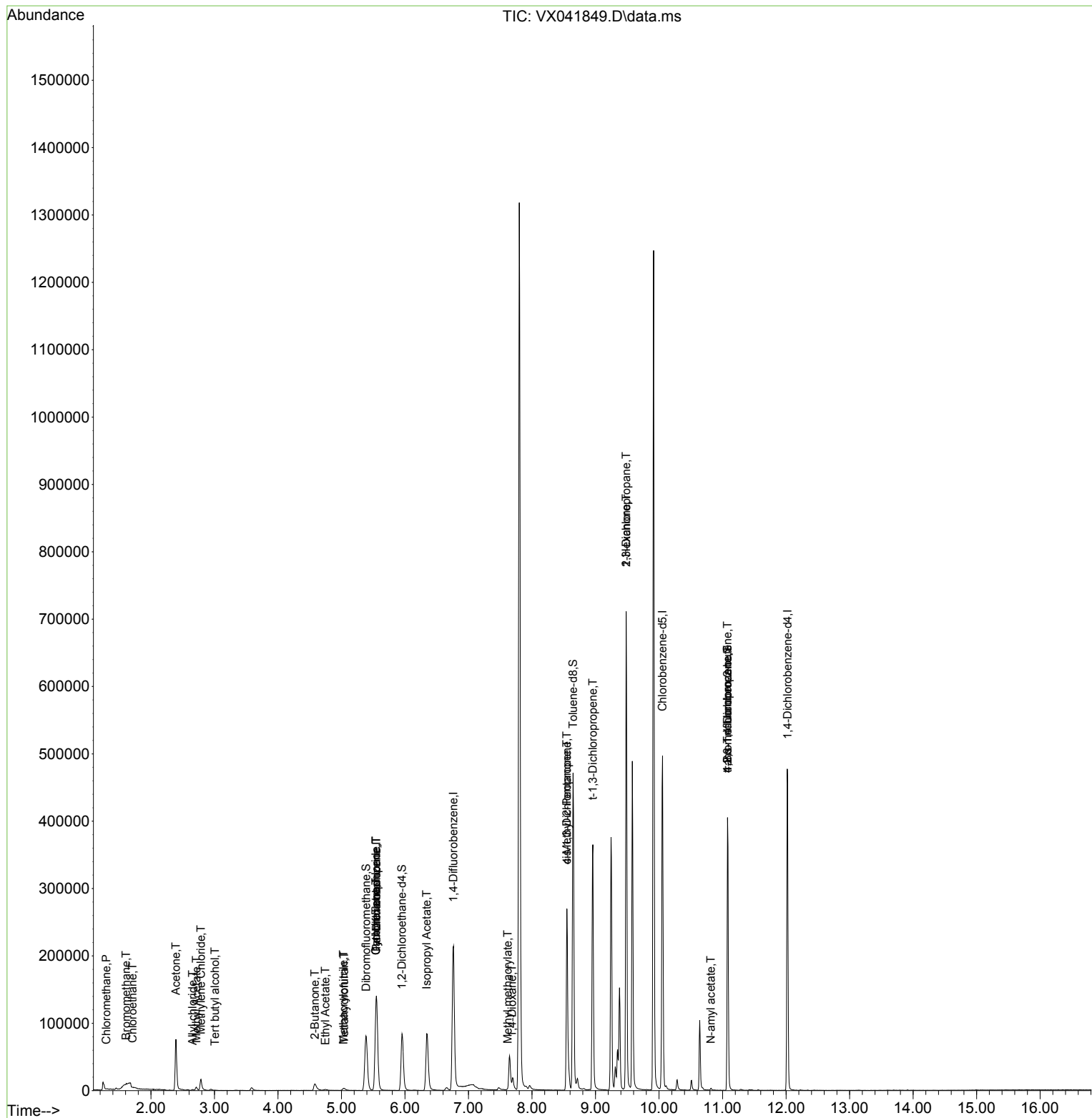
Internal Standards						
1) Pentafluorobenzene	5.550	168	156472	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	241705	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	240094	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80056	41.716	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	83.440%		
35) Dibromofluoromethane	5.385	113	73425	43.937	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.880%		
50) Toluene-d8	8.647	98	290488	49.748	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.500%		
62) 4-Bromofluorobenzene	11.079	95	105810	49.097	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.200%		
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	304	0.203	ug/l	# 43
5) Bromomethane	1.605	94	440	0.409	ug/l	# 68
6) Chloroethane	1.709	64	266	0.285	ug/l	# 83
11) Tert butyl alcohol	3.008	59	721	2.124	ug/l	# 78
14) Allyl chloride	2.654	41	1455	0.634	ug/l	# 43
16) Acetone	2.392	43	88939	104.000	ug/l	91
18) Methyl Acetate	2.715	43	6570	3.585	ug/l	100
20) Methylene Chloride	2.788	84	9431	5.491	ug/l	86
25) 2-Butanone	4.580	43	20917	17.537	ug/l	93
29) Tetrahydrofuran	5.044	42	3488	4.637	ug/l	97
31) Cyclohexane	5.544	56	2136	0.943	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	9493	4.691	ug/l	# 50
37) Ethyl Acetate	4.745	43	3008	1.178	ug/l	# 92
38) Carbon Tetrachloride	5.544	117	12886	5.605	ug/l	# 16
41) Methacrylonitrile	5.032	41	1948	1.560	ug/l	# 34
43) Isopropyl Acetate	6.342	43	122179	31.689	ug/l	96
48) Methyl methacrylate	7.616	41	4152	2.242	ug/l	# 16
49) 1,4-Dioxane	7.684	88	51	1.261	ug/l	# 12
51) 4-Methyl-2-Pentanone	8.549	43	97786	39.112	ug/l	# 46
53) t-1,3-Dichloropropene	8.958	75	807	0.384	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	45634	19.623	ug/l	# 51
57) 1,3-Dichloropropane	9.482	76	6382	2.376	ug/l	# 42
59) 2-Hexanone	9.482	43	82371	43.214	ug/l	# 54
74) N-amyl acetate	10.817	43	876	0.276	ug/l	# 47
76) 1,2,3-Trichloropropane	11.079	75	49493	24.516	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	49493	66.818	ug/l	# 5

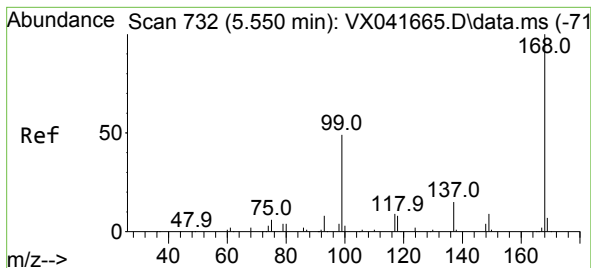
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061324\
Data File : VX041849.D
Acq On : 13 Jun 2024 13:21
Operator : JC/MD
Sample : PB161467ZHE#04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 14 00:57:02 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: VX041849.D

Acq: 13 Jun 2024 13:21

Instrument :

MSVOA_X

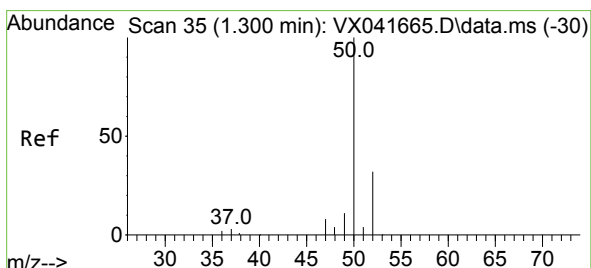
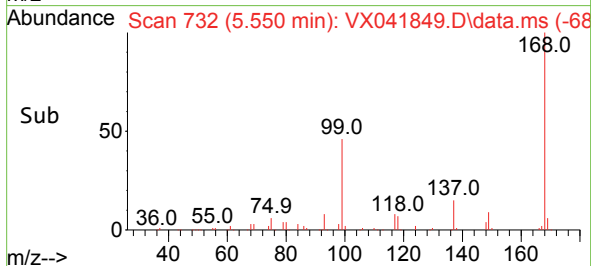
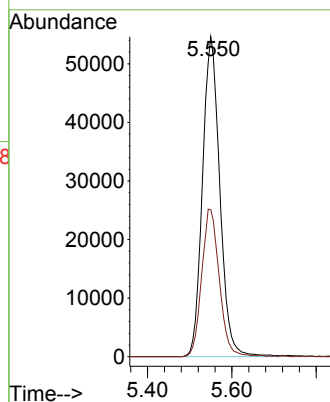
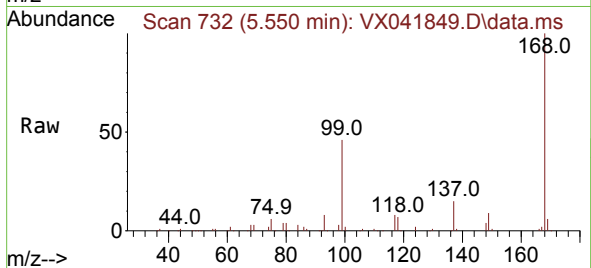
ClientSampleId :

Tgt Ion:168 Resp: 156472

Ion Ratio Lower Upper

168 100

99 45.9 56.6 85.0#



#3

Chloromethane

Concen: 0.203 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.006 min

Lab File: VX041849.D

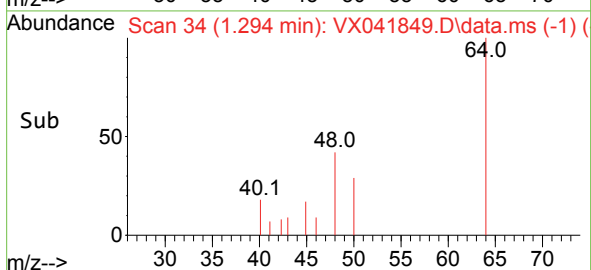
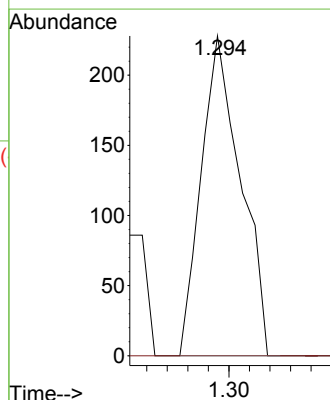
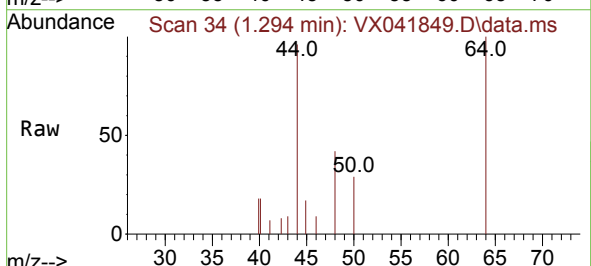
Acq: 13 Jun 2024 13:21

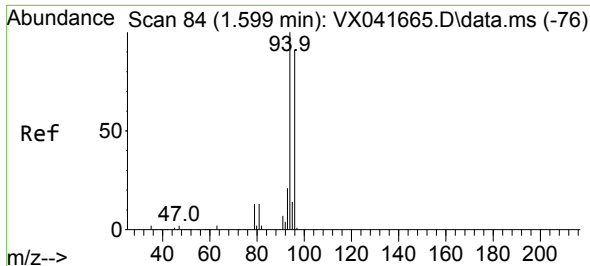
Tgt Ion: 50 Resp: 304

Ion Ratio Lower Upper

50 100

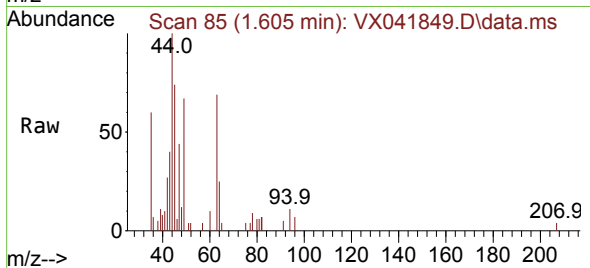
52 0.0 25.5 38.3#



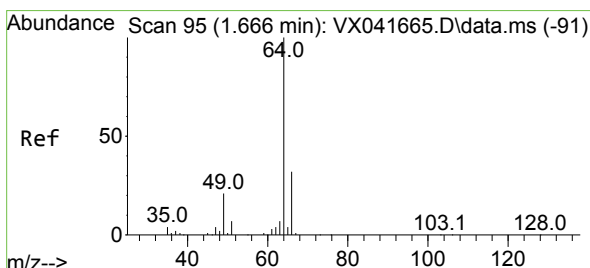
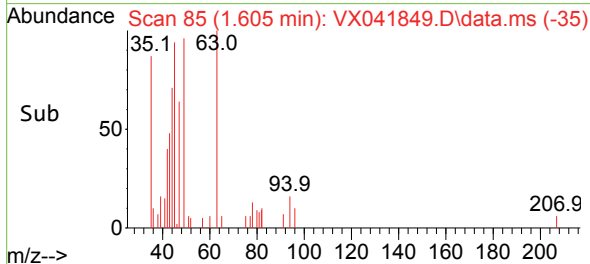
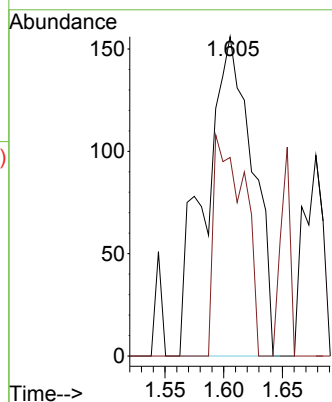


#5
Bromomethane
Concen: 0.409 ug/l
RT: 1.605 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX041849.D
Acq: 13 Jun 2024 13:21

Instrument :
MSVOA_X
ClientSampleId :

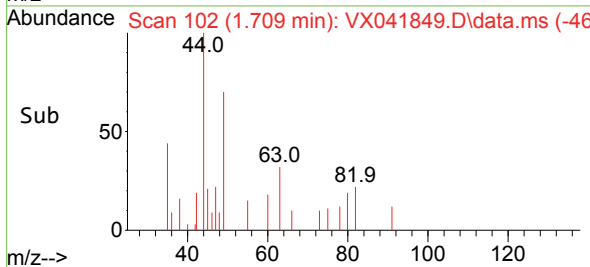
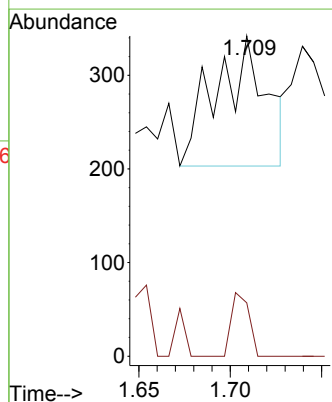
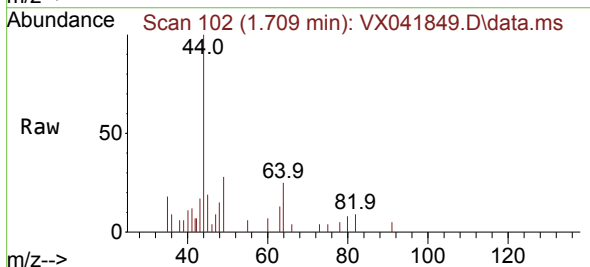


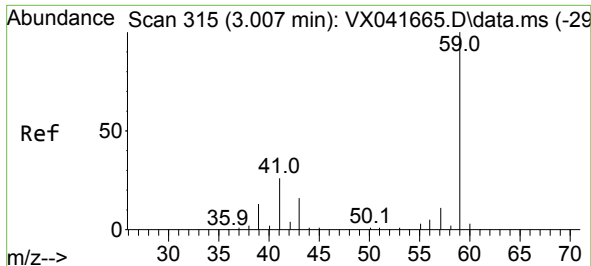
Tgt Ion: 94 Resp: 440
Ion Ratio Lower Upper
94 100
96 62.2 74.6 111.8#



#6
Chloroethane
Concen: 0.285 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.043 min
Lab File: VX041849.D
Acq: 13 Jun 2024 13:21

Tgt Ion: 64 Resp: 266
Ion Ratio Lower Upper
64 100
66 41.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 2.124 ug/l

RT: 3.008 min Scan# 315

Delta R.T. 0.000 min

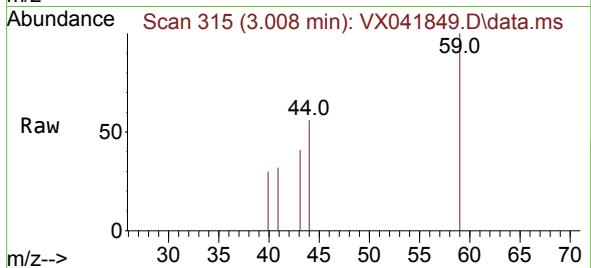
Lab File: VX041849.D

Acq: 13 Jun 2024 13:21

Instrument :

MSVOA_X

ClientSampleId :

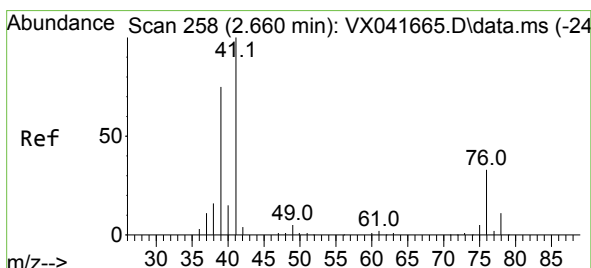
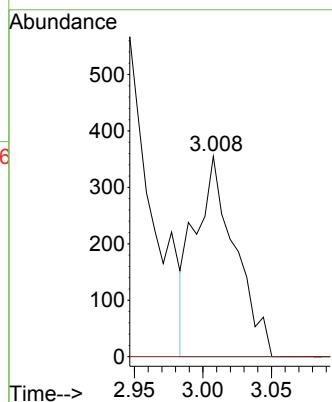


Tgt Ion: 59 Resp: 721

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#14

Allyl chloride

Concen: 0.634 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX041849.D

Acq: 13 Jun 2024 13:21

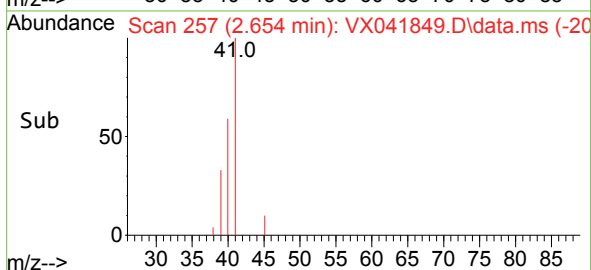
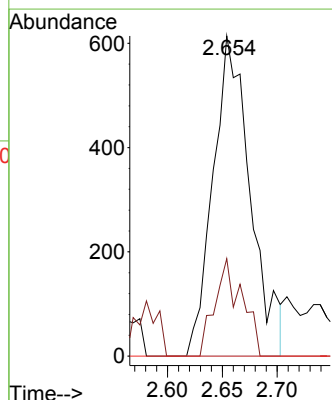
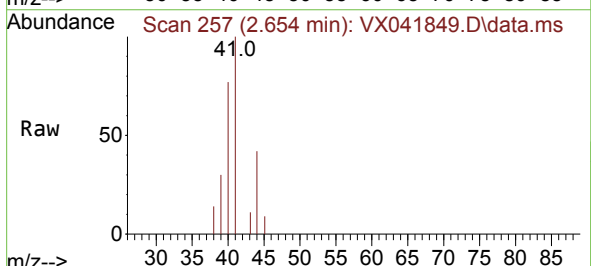
Tgt Ion: 41 Resp: 1455

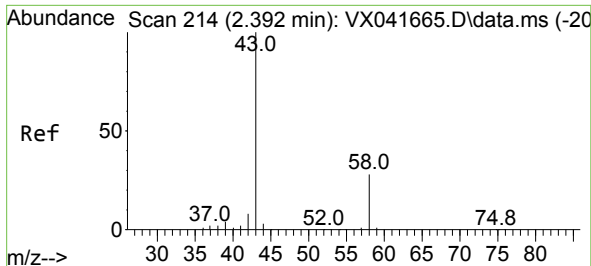
Ion Ratio Lower Upper

41 100

39 22.1 55.8 83.6#

76 0.0 24.3 36.5#

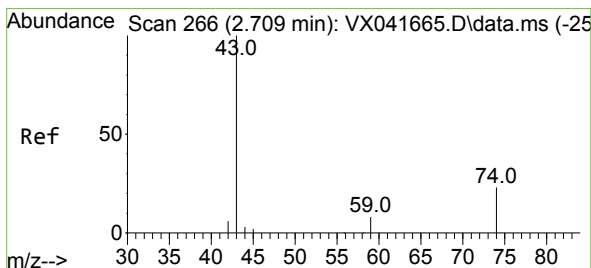
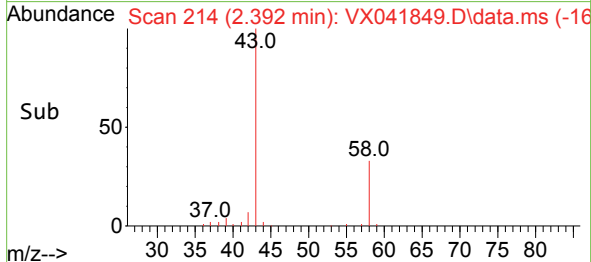
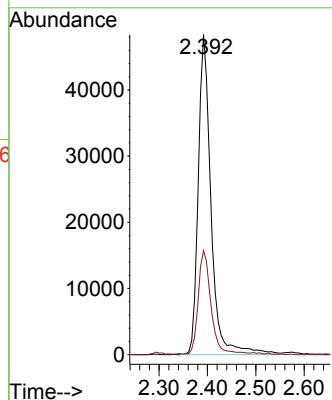
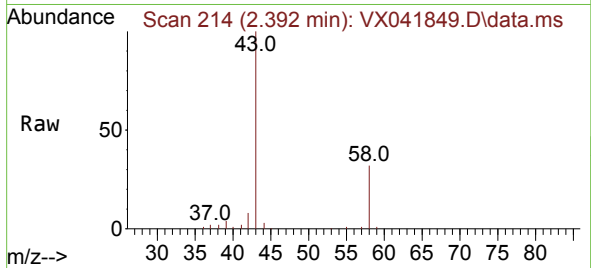




#16
Acetone
Concen: 104.000 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041849.D
Acq: 13 Jun 2024 13:21

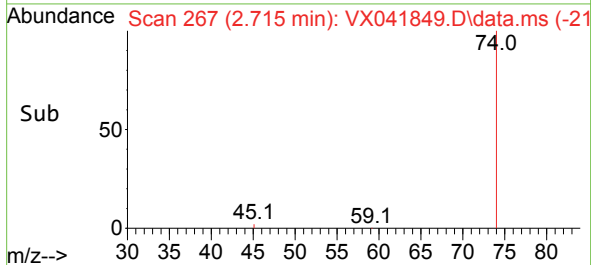
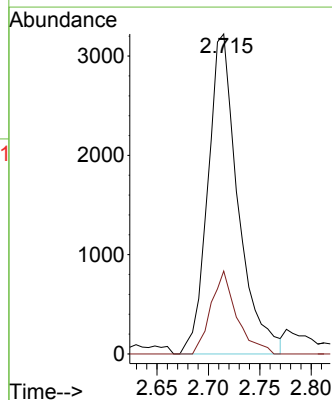
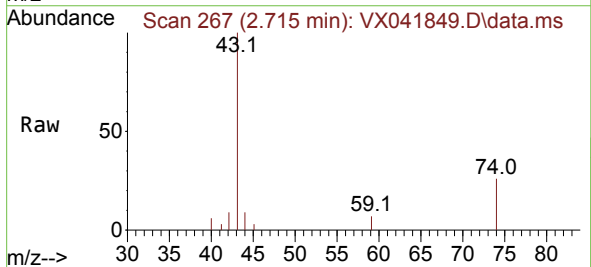
Instrument :
MSVOA_X
ClientSampleId :

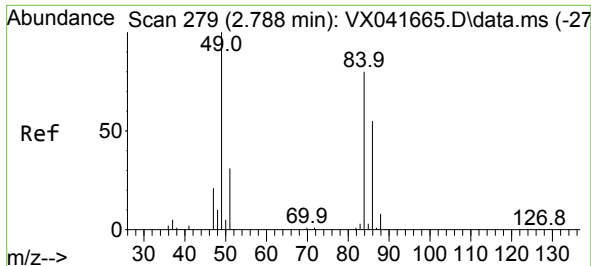
Tgt Ion: 43 Resp: 88939
Ion Ratio Lower Upper
43 100
58 32.3 21.9 32.9



#18
Methyl Acetate
Concen: 3.585 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX041849.D
Acq: 13 Jun 2024 13:21

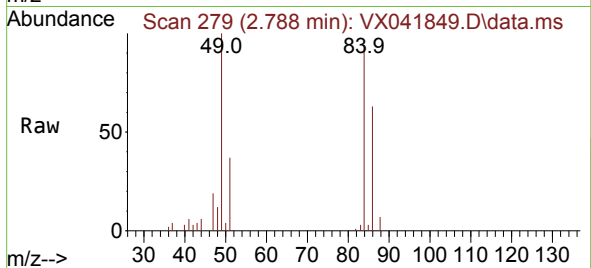
Tgt Ion: 43 Resp: 6570
Ion Ratio Lower Upper
43 100
74 22.2 17.8 26.8



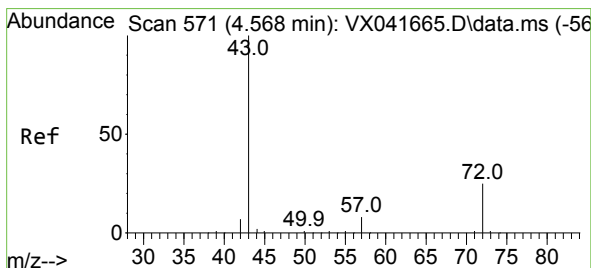
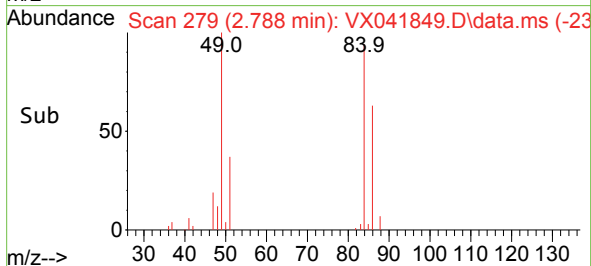
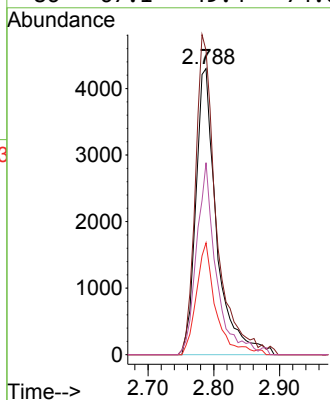


#20
Methylene Chloride
Concen: 5.491 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041849.D
Acq: 13 Jun 2024 13:21

Instrument :
MSVOA_X
ClientSampleId :

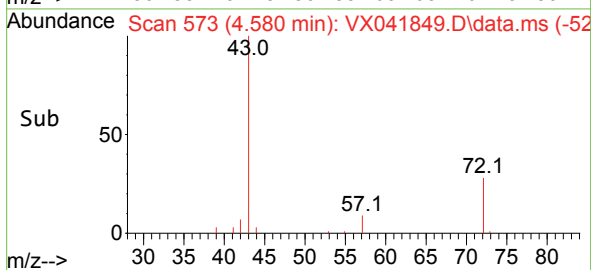
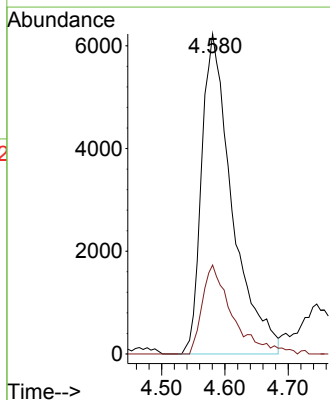
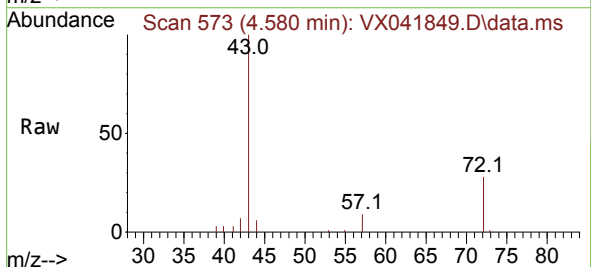


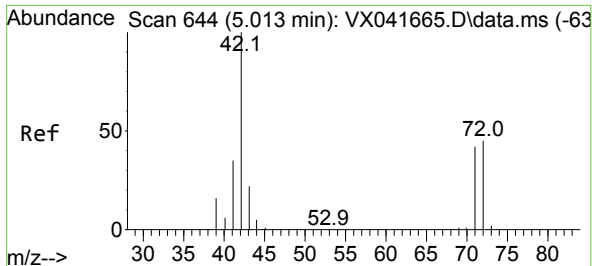
Tgt Ion:	84	Resp:	9431
Ion	Ratio	Lower	Upper
84	100		
49	106.3	103.6	155.4
51	39.1	33.8	50.6
86	67.1	49.4	74.0



#25
2-Butanone
Concen: 17.537 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX041849.D
Acq: 13 Jun 2024 13:21

Tgt Ion:	43	Resp:	20917
Ion	Ratio	Lower	Upper
43	100		
72	27.8	19.4	29.2





#29

Tetrahydrofuran

Concen: 4.637 ug/l

RT: 5.044 min Scan# 644

Delta R.T. 0.031 min

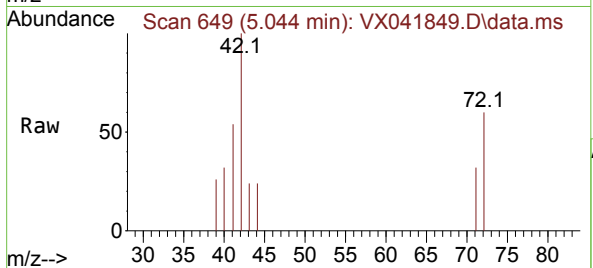
Lab File: VX041849.D

Acq: 13 Jun 2024 13:21

Instrument :

MSVOA_X

ClientSampleId :



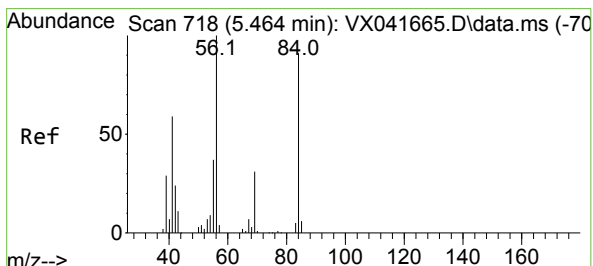
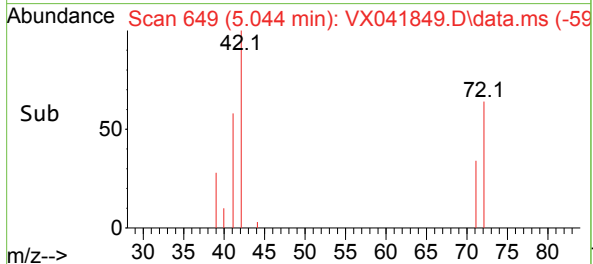
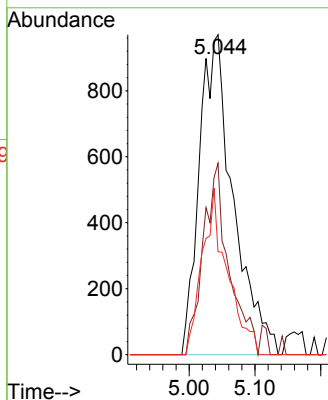
Tgt Ion: 42 Resp: 3488

Ion Ratio Lower Upper

42 100

72 45.2 34.2 51.4

71 38.4 32.2 48.2



#31

Cyclohexane

Concen: 0.943 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX041849.D

Acq: 13 Jun 2024 13:21

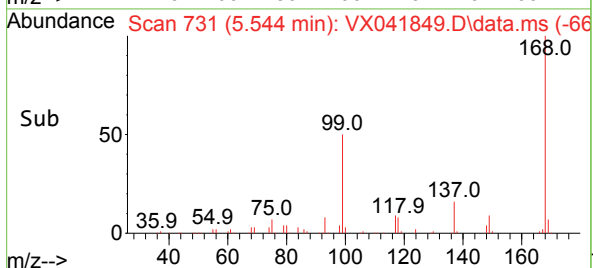
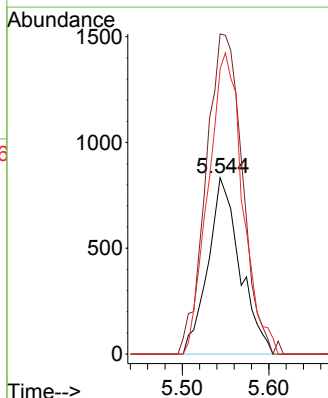
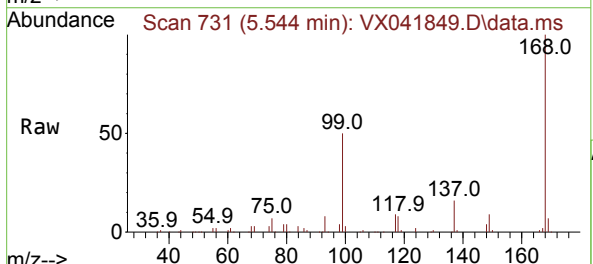
Tgt Ion: 56 Resp: 2136

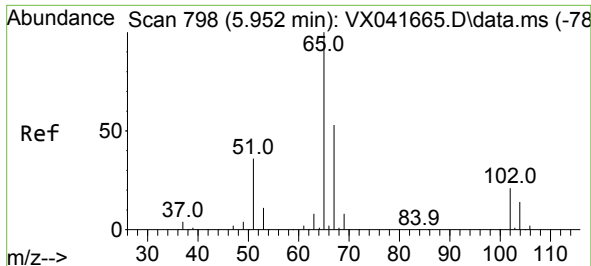
Ion Ratio Lower Upper

56 100

69 181.6 23.4 35.2#

84 161.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 41.716 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041849.D

Acq: 13 Jun 2024 13:21

Instrument :

MSVOA_X

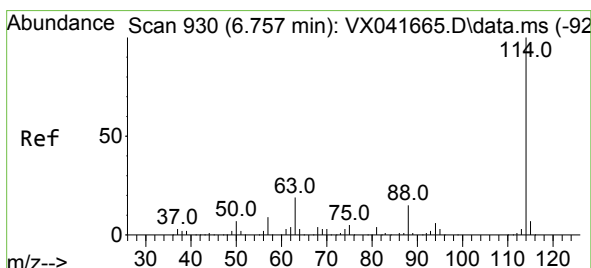
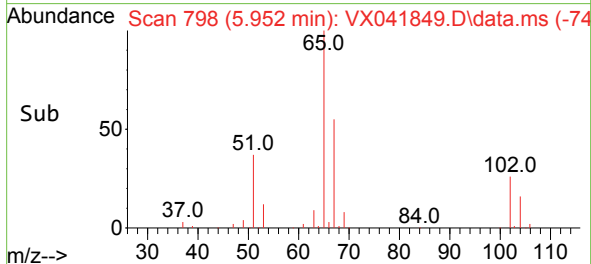
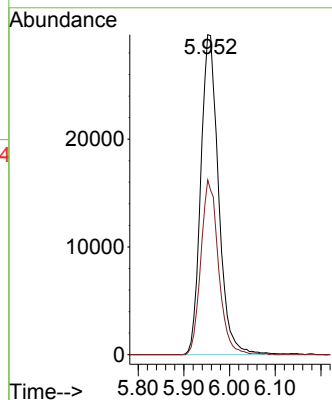
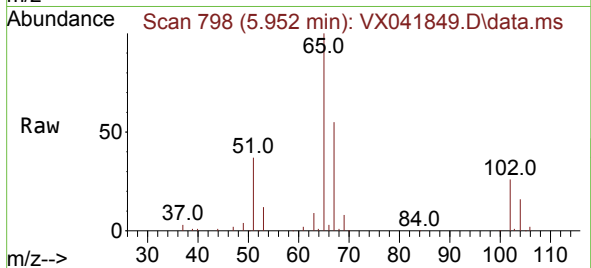
ClientSampleId :

Tgt Ion: 65 Resp: 80056

Ion Ratio Lower Upper

65 100

67 54.3 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: VX041849.D

Acq: 13 Jun 2024 13:21

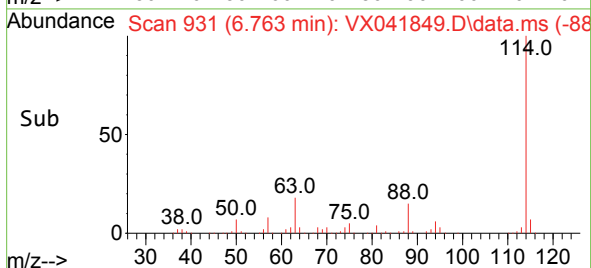
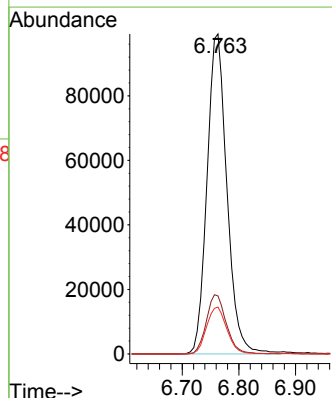
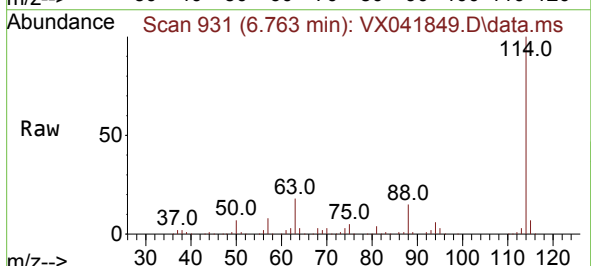
Tgt Ion: 114 Resp: 241705

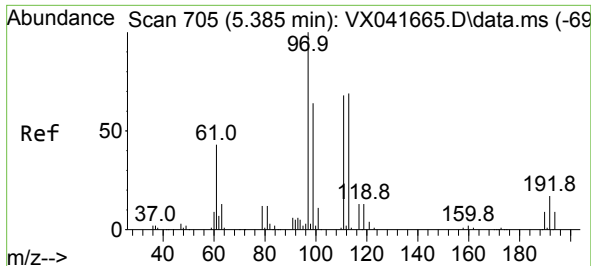
Ion Ratio Lower Upper

114 100

63 18.2 0.0 45.0

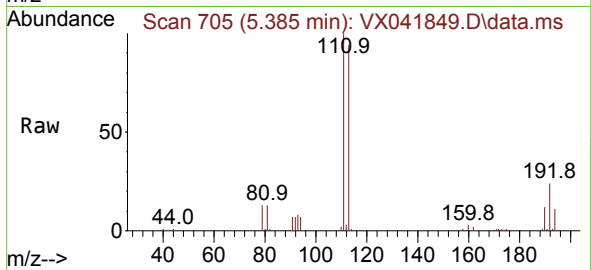
88 14.7 0.0 36.6



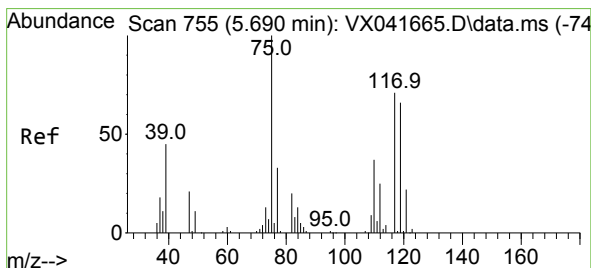
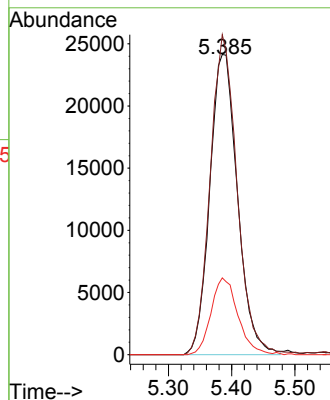
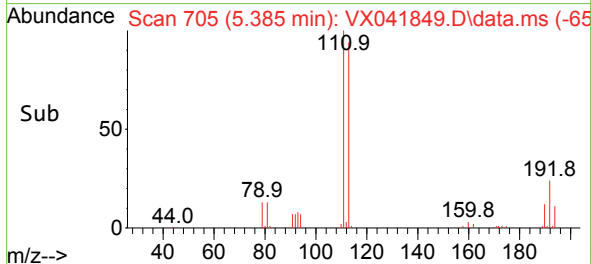


#35
Dibromofluoromethane
Concen: 43.937 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041849.D
Acq: 13 Jun 2024 13:21

Instrument :
MSVOA_X
ClientSampleId :

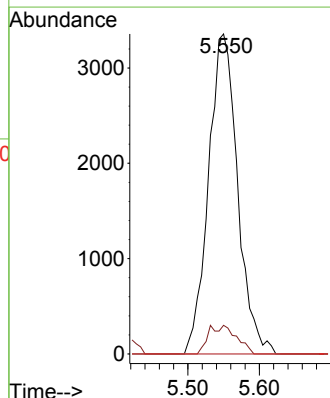
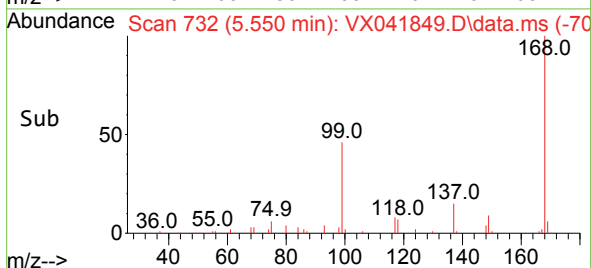
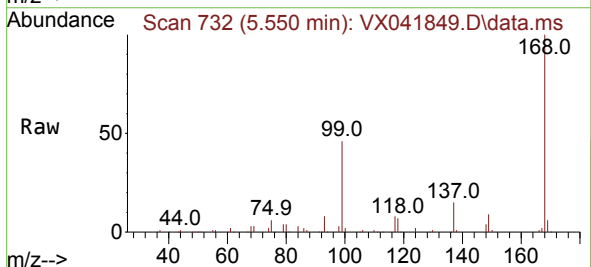


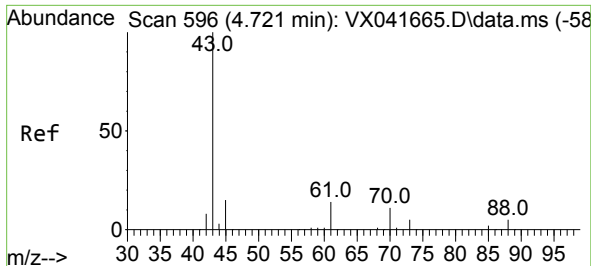
Tgt Ion:113 Resp: 73425
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 24.9 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.691 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041849.D
Acq: 13 Jun 2024 13:21

Tgt Ion: 75 Resp: 9493
Ion Ratio Lower Upper
75 100
110 8.6 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.178 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.024 min

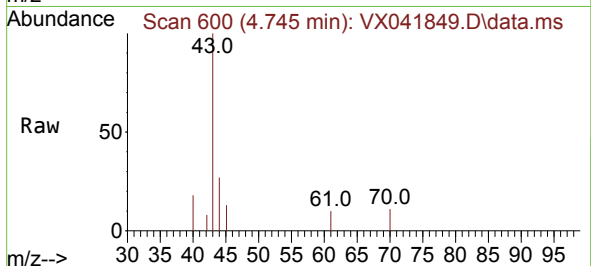
Lab File: VX041849.D

Acq: 13 Jun 2024 13:21

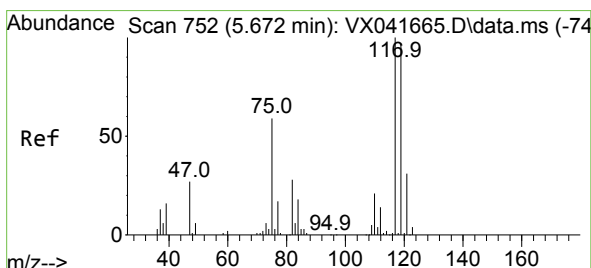
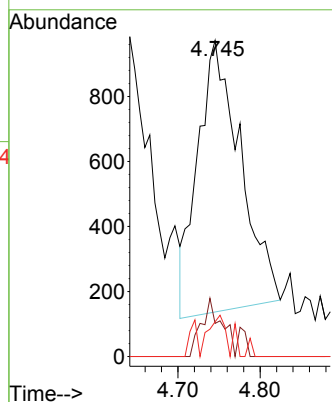
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 3008
Ion Ratio	Lower Upper
43	100
61	10.2 10.6 16.0#
70	7.1 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.605 ug/l

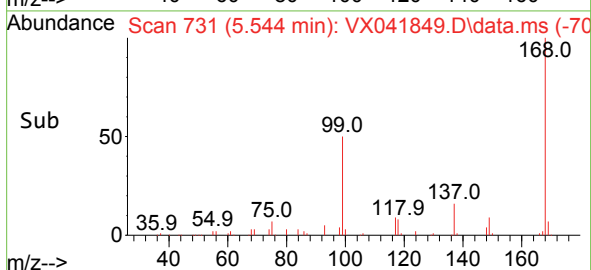
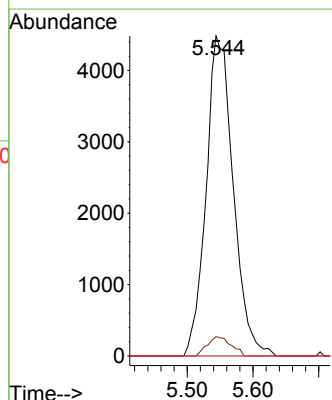
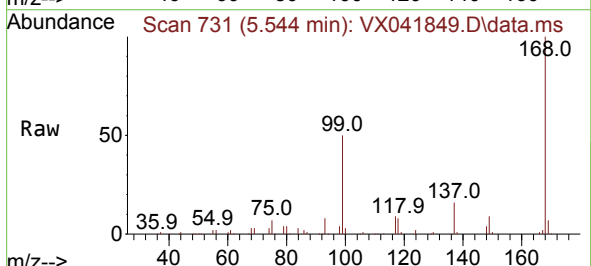
RT: 5.544 min Scan# 731

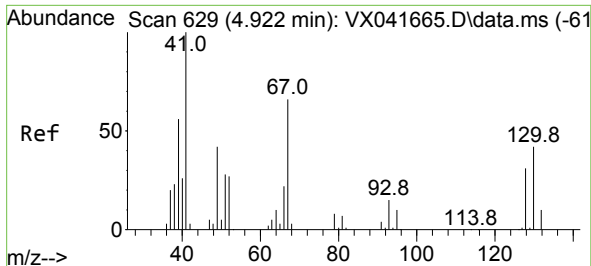
Delta R.T. -0.128 min

Lab File: VX041849.D

Acq: 13 Jun 2024 13:21

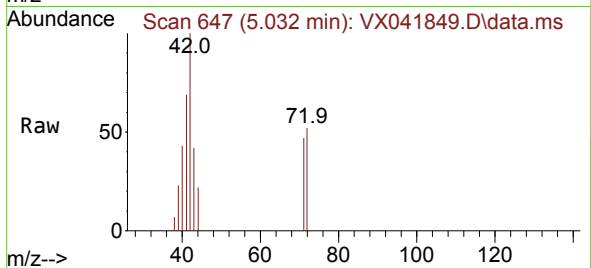
Tgt Ion: 117	Resp: 12886
Ion Ratio	Lower Upper
117	100
119	6.1 78.2 117.2#
121	0.0 24.4 36.6#



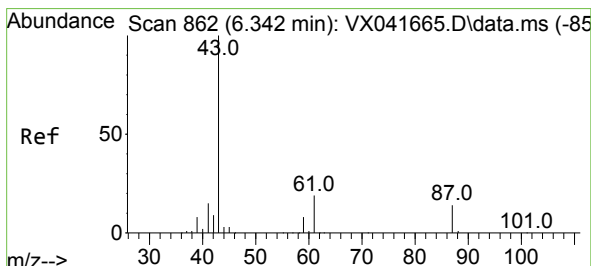
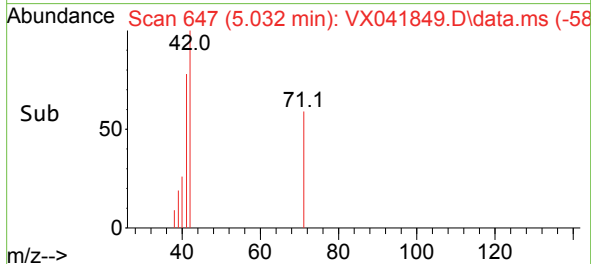
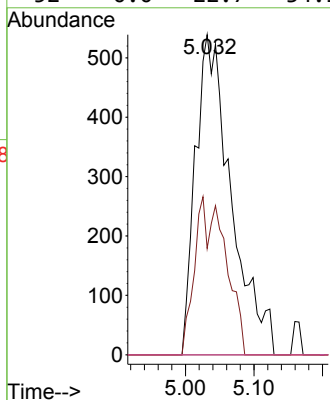


#41
Methacrylonitrile
Concen: 1.560 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX041849.D
Acq: 13 Jun 2024 13:21

Instrument :
MSVOA_X
ClientSampleId :

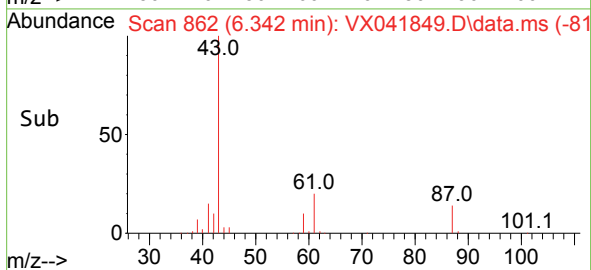
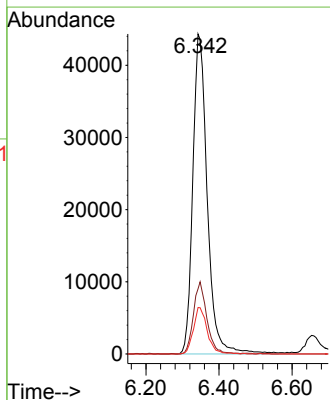
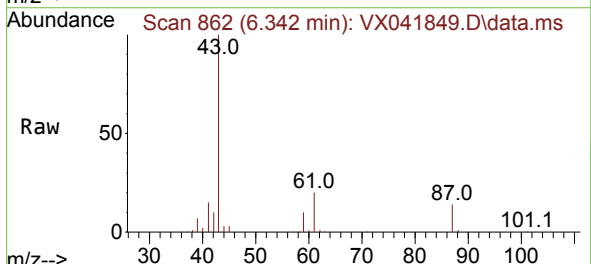


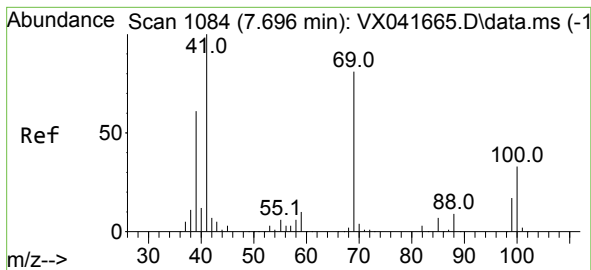
Tgt Ion:	41	Resp:	1948
Ion	Ratio	Lower	Upper
41	100		
39	18.3	45.2	67.8#
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#



#43
Isopropyl Acetate
Concen: 31.689 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX041849.D
Acq: 13 Jun 2024 13:21

Tgt Ion:	43	Resp:	122179
Ion	Ratio	Lower	Upper
43	100		
61	21.0	15.2	22.8
87	13.9	9.8	14.6





#48

Methyl methacrylate

Concen: 2.242 ug/l

RT: 7.616 min Scan# 1071

Delta R.T. -0.079 min

Lab File: VX041849.D

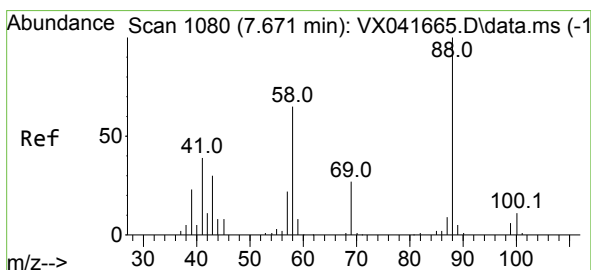
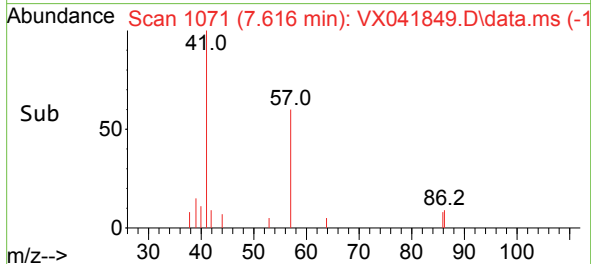
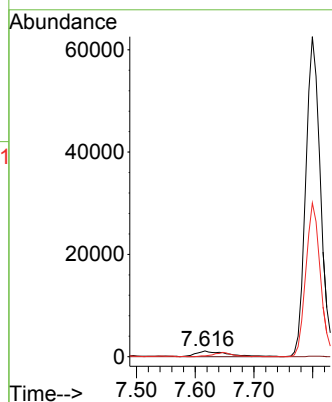
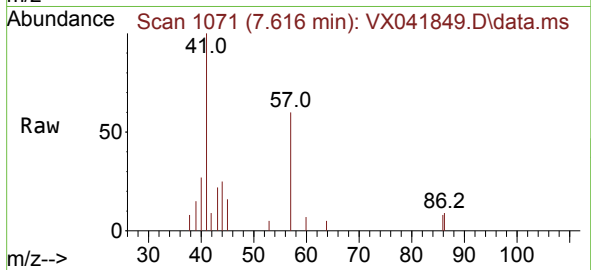
Acq: 13 Jun 2024 13:21

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	41	Resp:	4152
Ion	Ratio	Lower	Upper
41	100		
69	0.0	59.2	88.8#
39	0.0	47.7	71.5#



#49

1,4-Dioxane

Concen: 1.261 ug/l

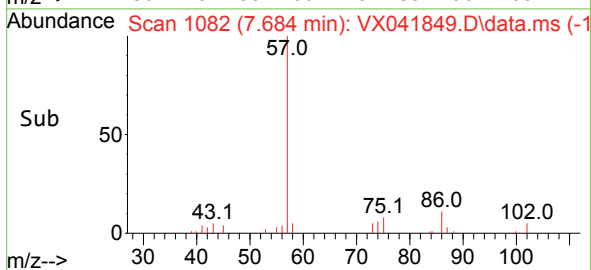
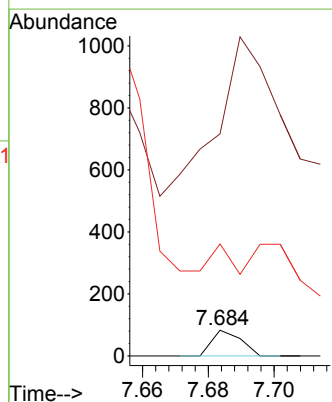
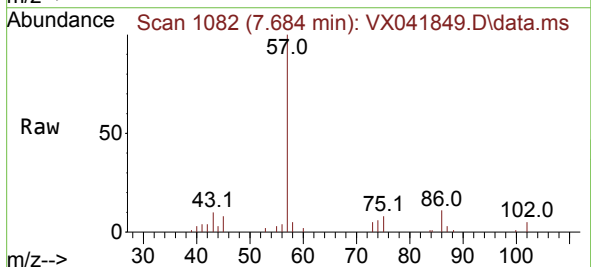
RT: 7.684 min Scan# 1082

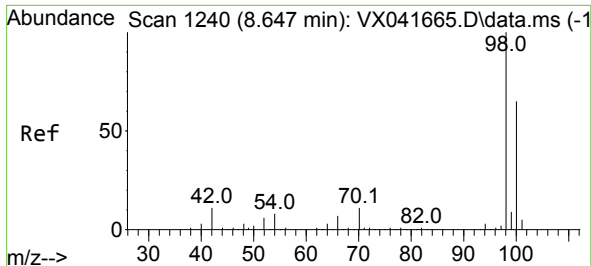
Delta R.T. 0.012 min

Lab File: VX041849.D

Acq: 13 Jun 2024 13:21

Tgt Ion:	88	Resp:	51
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	0.0	60.1	90.1#

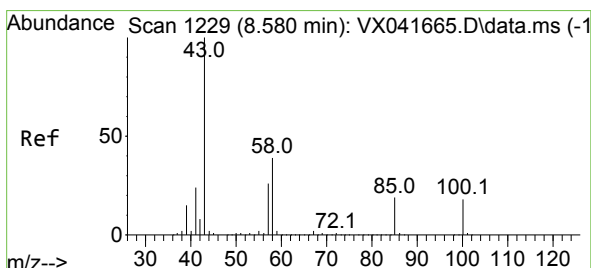
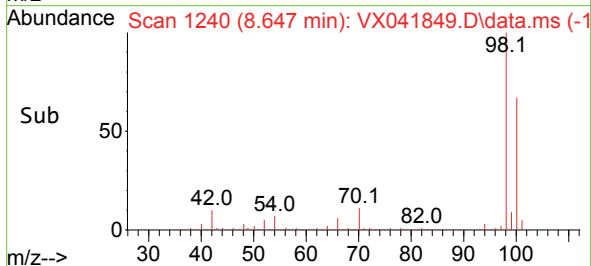
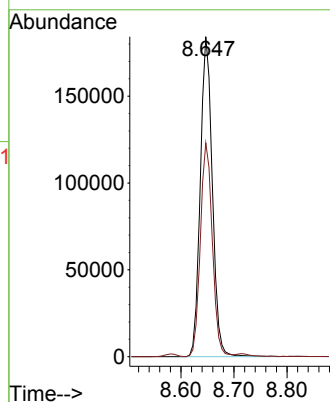
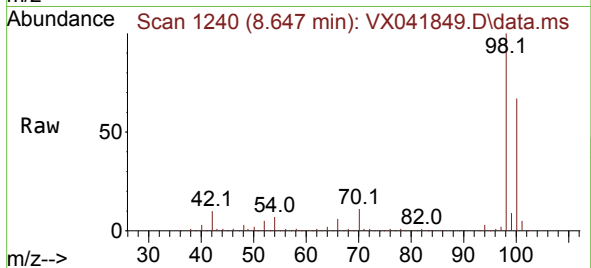




#50
Toluene-d8
Concen: 49.748 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041849.D
Acq: 13 Jun 2024 13:21

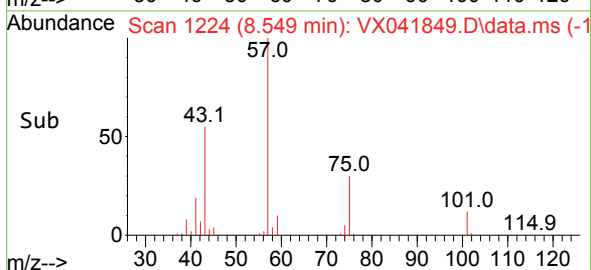
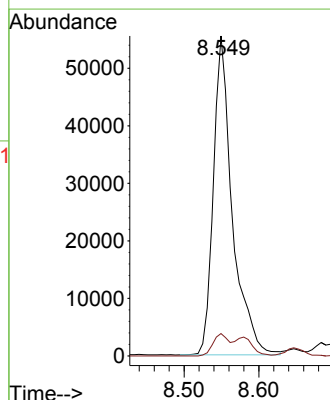
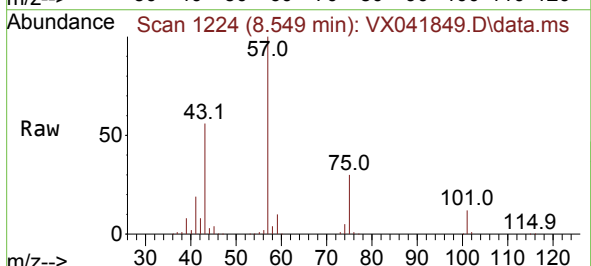
Instrument :
MSVOA_X
ClientSampleId :

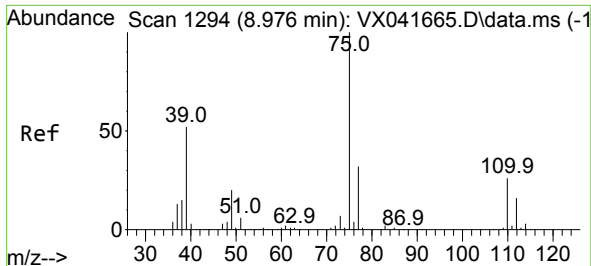
Tgt Ion: 98 Resp: 290488
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 39.112 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX041849.D
Acq: 13 Jun 2024 13:21

Tgt Ion: 43 Resp: 97786
Ion Ratio Lower Upper
43 100
58 5.7 30.4 45.6#

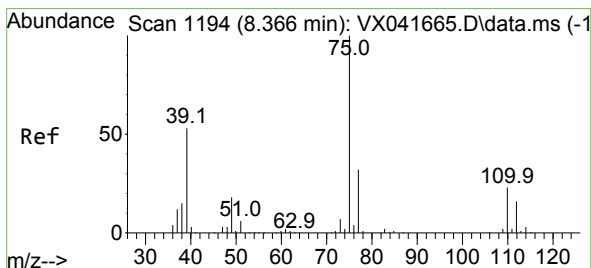
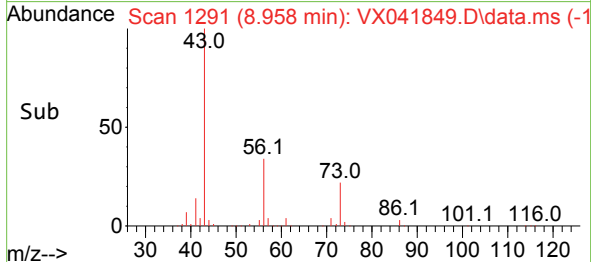
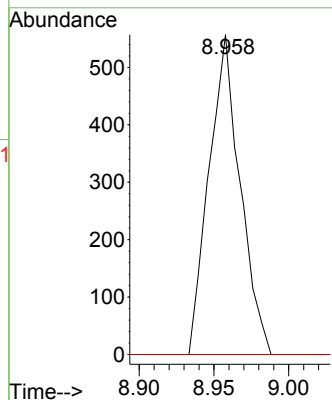
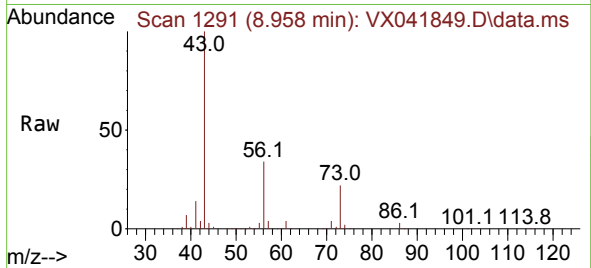




#53
 t-1,3-Dichloropropene
 Concen: 0.384 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: VX041849.D
 Acq: 13 Jun 2024 13:21

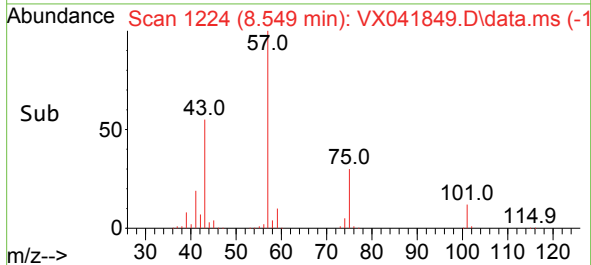
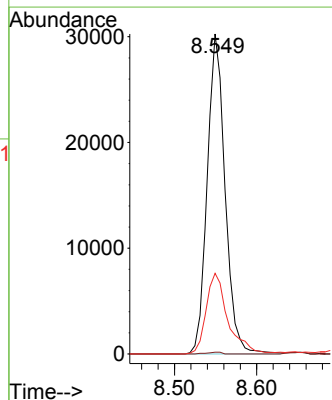
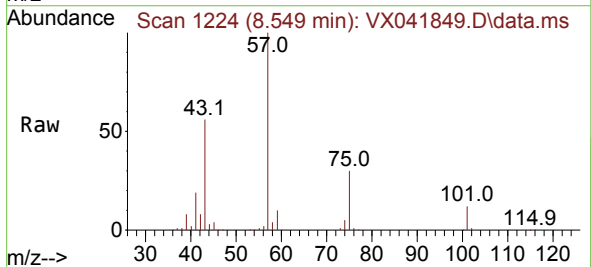
Instrument :
 MSVOA_X
 ClientSampleId :

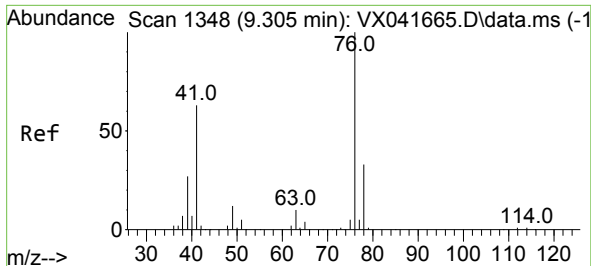
Tgt Ion: 75 Resp: 807
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 19.623 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX041849.D
 Acq: 13 Jun 2024 13:21

Tgt Ion: 75 Resp: 45634
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 25.2 46.7 70.1#

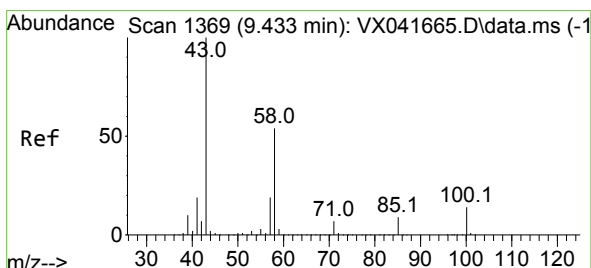
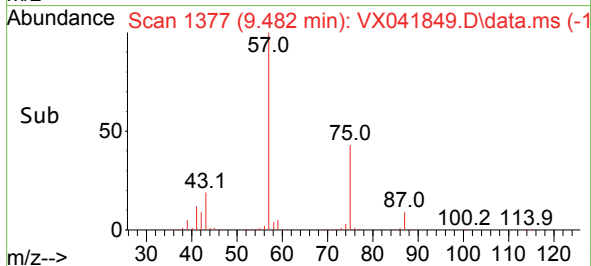
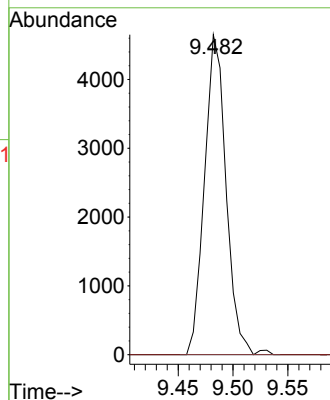
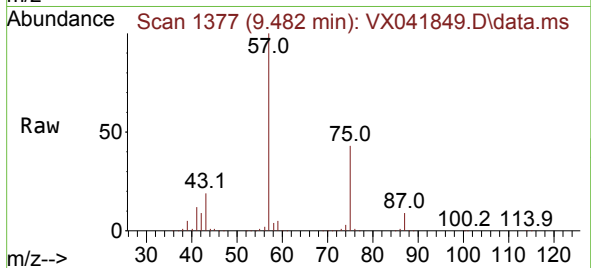




#57
1,3-Dichloropropane
Concen: 2.376 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX041849.D
Acq: 13 Jun 2024 13:21

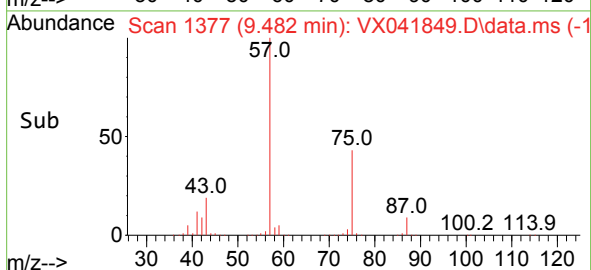
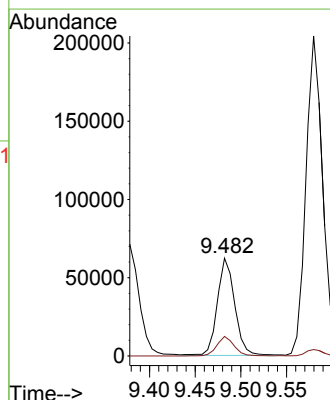
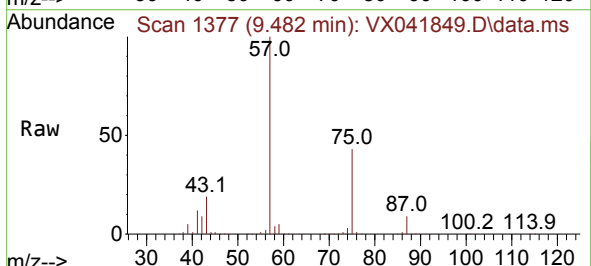
Instrument :
MSVOA_X
ClientSampleId :

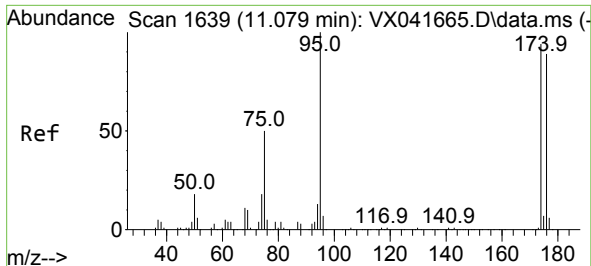
Tgt Ion: 76 Resp: 6382
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 43.214 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX041849.D
Acq: 13 Jun 2024 13:21

Tgt Ion: 43 Resp: 82371
Ion Ratio Lower Upper
43 100
58 20.0 26.2 78.5#





#62

4-Bromofluorobenzene

Concen: 49.097 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041849.D

Acq: 13 Jun 2024 13:21

Instrument :

MSVOA_X

ClientSampleId :

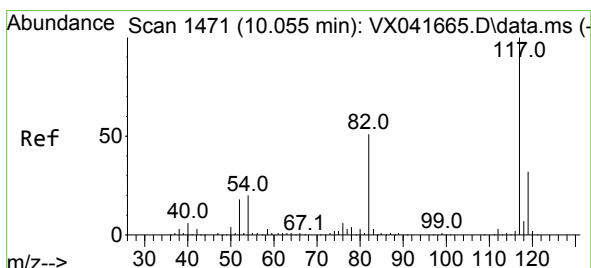
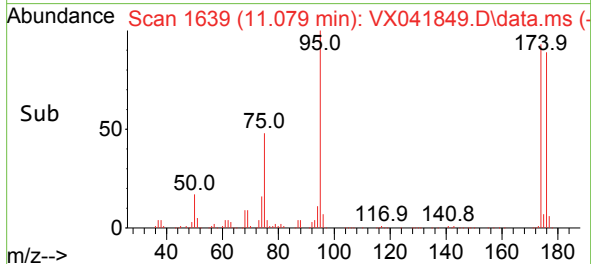
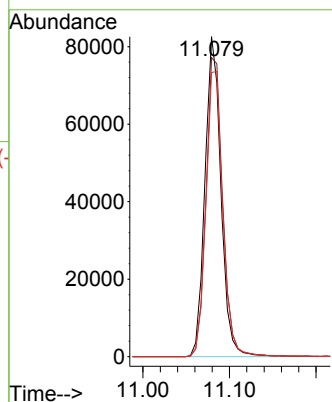
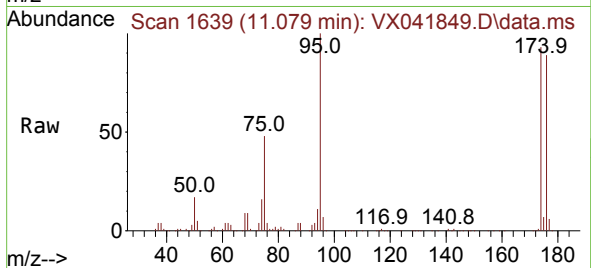
Tgt Ion: 95 Resp: 105810

Ion Ratio Lower Upper

95 100

174 98.0 0.0 135.6

176 94.1 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: VX041849.D

Acq: 13 Jun 2024 13:21

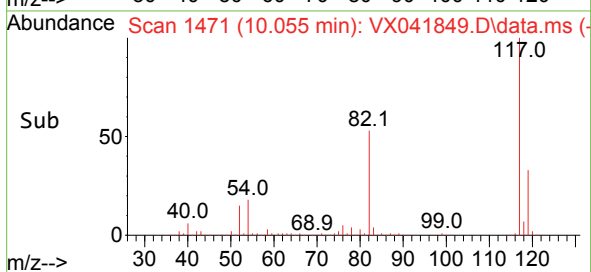
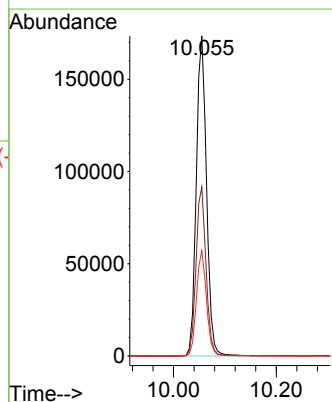
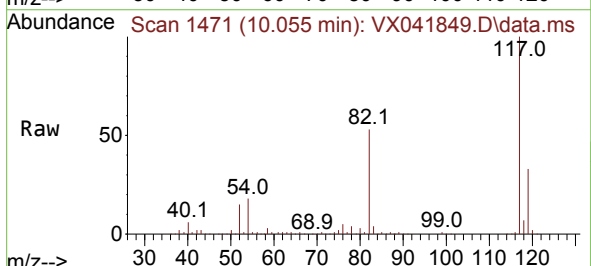
Tgt Ion: 117 Resp: 240094

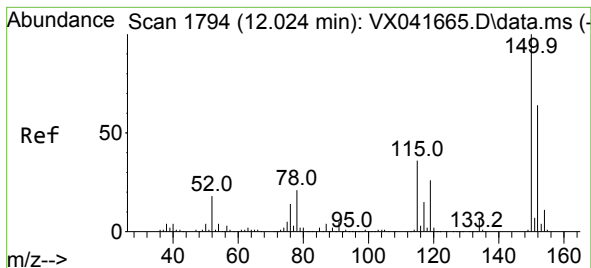
Ion Ratio Lower Upper

117 100

82 52.8 46.2 69.4

119 32.9 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: VX041849.D

Acq: 13 Jun 2024 13:21

Instrument :

MSVOA_X

ClientSampleId :

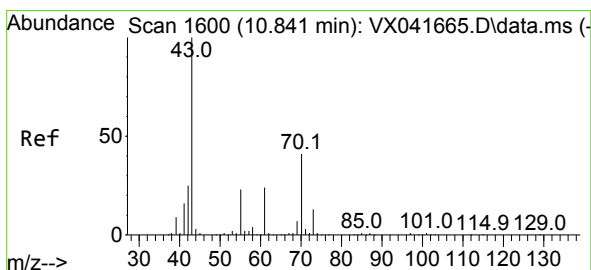
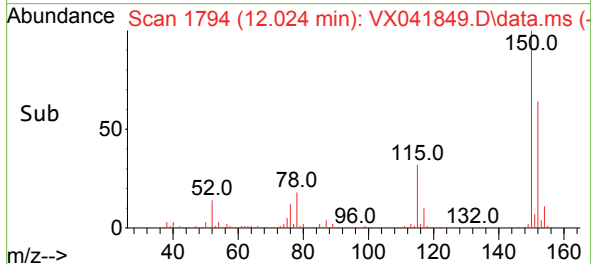
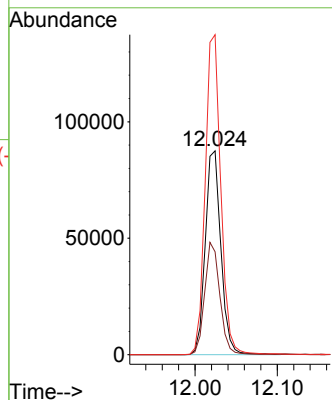
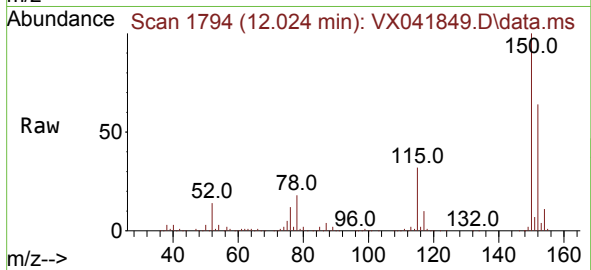
Tgt Ion:152 Resp: 115705

Ion Ratio Lower Upper

152 100

115 53.4 43.3 129.9

150 156.7 0.0 345.0



#74

N-ethyl acetate

Concen: 0.276 ug/l

RT: 10.817 min Scan# 1596

Delta R.T. -0.024 min

Lab File: VX041849.D

Acq: 13 Jun 2024 13:21

Tgt Ion: 43 Resp: 876

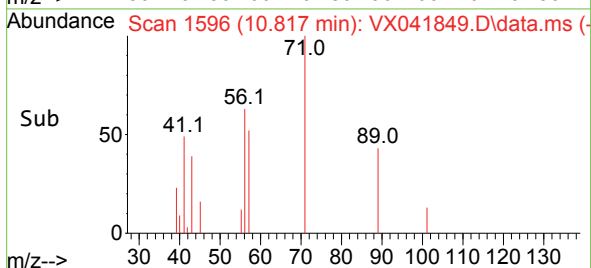
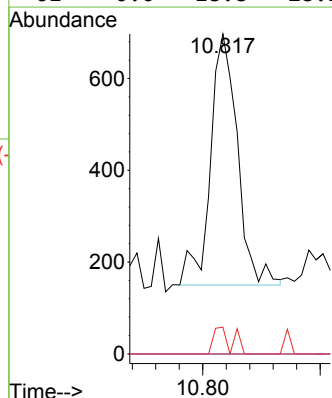
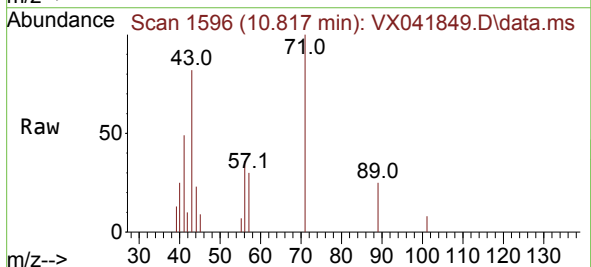
Ion Ratio Lower Upper

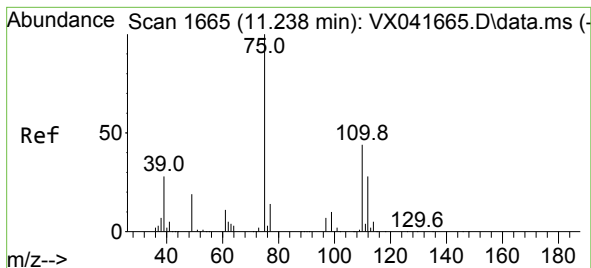
43 100

70 0.0 32.9 49.3#

55 7.1 19.3 28.9#

61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 24.516 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041849.D

Acq: 13 Jun 2024 13:21

Instrument :

MSVOA_X

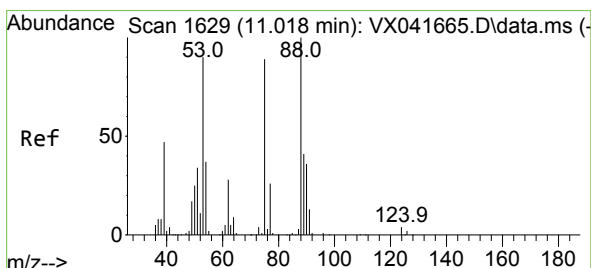
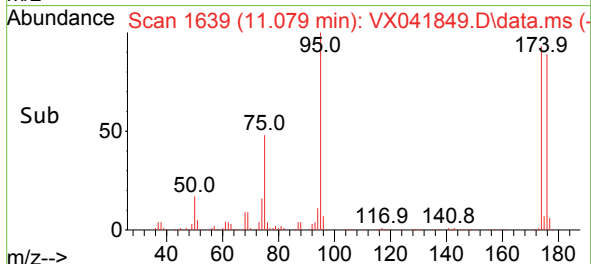
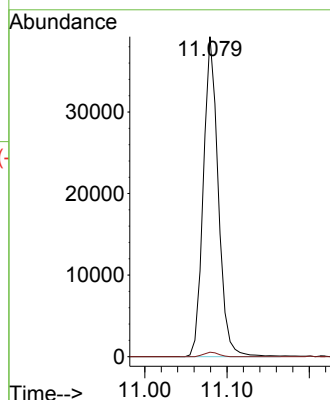
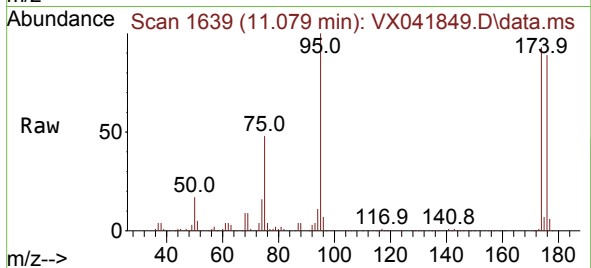
ClientSampleId :

Tgt Ion: 75 Resp: 49493

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.818 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041849.D

Acq: 13 Jun 2024 13:21

Tgt Ion: 75 Resp: 49493

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.1 36.9 55.3#

