

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061224\
 Data File : VX041831.D
 Acq On : 12 Jun 2024 10:53
 Operator : JC/MD
 Sample : VX0612MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 13 03:38:59 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)

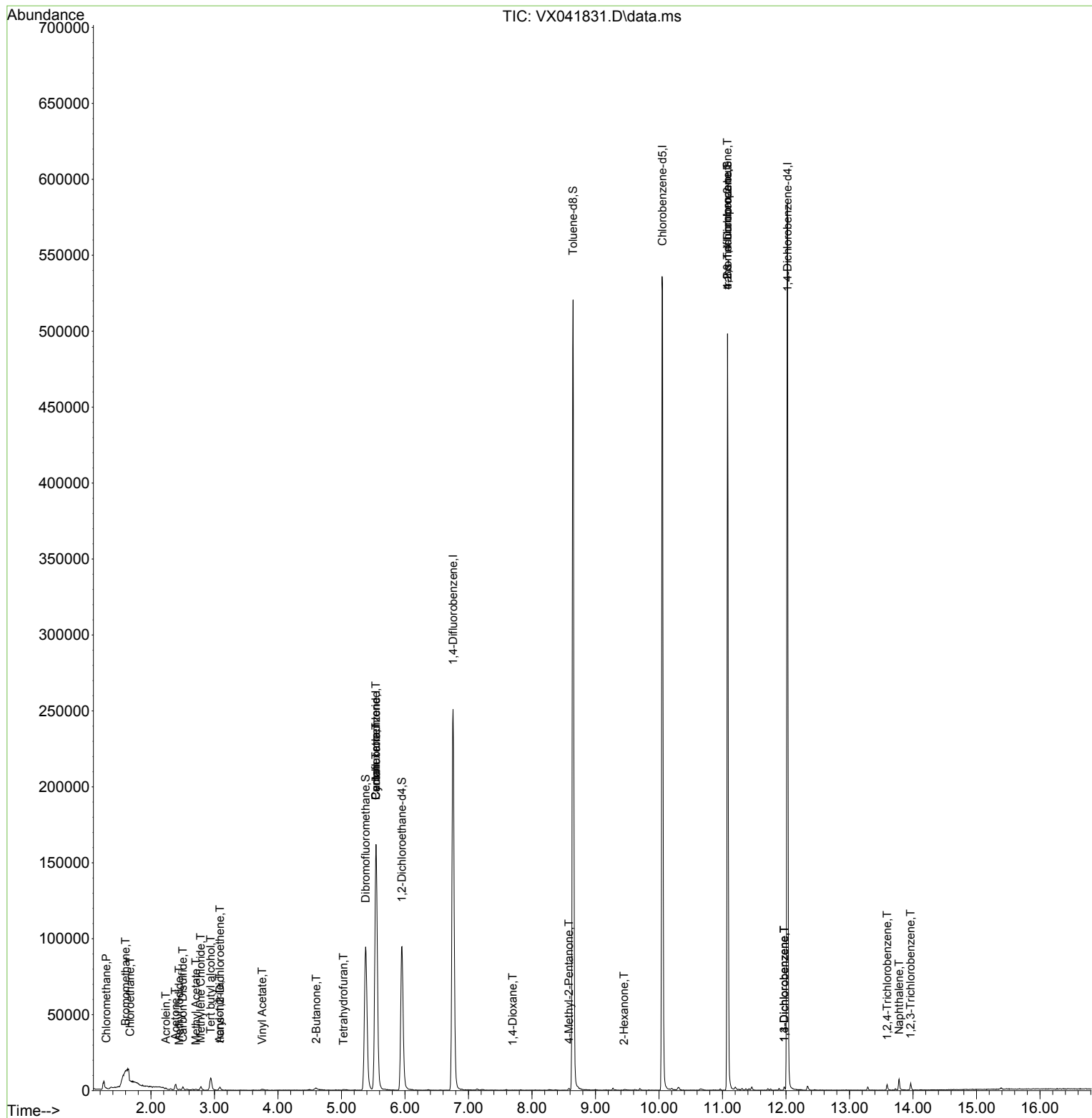
Internal Standards						
1) Pentafluorobenzene	5.544	168	176063	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	275554	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	271356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	137681	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	92888	43.017	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.040%
35) Dibromofluoromethane	5.379	113	84260	44.227	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.460%
50) Toluene-d8	8.647	98	326303	49.017	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.040%
62) 4-Bromofluorobenzene	11.079	95	124449	50.652	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.300%
Target Compounds						
						Qvalue
3) Chloromethane	1.295	50	461	0.273	ug/l	100
5) Bromomethane	1.599	94	987	0.816	ug/l	# 71
6) Chloroethane	1.673	64	586	0.558	ug/l	# 55
10) Methyl Iodide	2.447	142	434	0.216	ug/l	# 62
11) Tert butyl alcohol	2.941	59	5330	13.953	ug/l	# 78
13) Acrolein	2.233	56	409	1.150	ug/l	# 73
15) Acrylonitrile	3.081	53	957	1.022	ug/l	# 84
16) Acetone	2.386	43	4118	1.655	ug/l	98
17) Carbon Disulfide	2.502	76	2383	0.686	ug/l	# 88
18) Methyl Acetate	2.709	43	763	0.370	ug/l	94
20) Methylene Chloride	2.782	84	1175	0.608	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	505	0.310	ug/l	# 68
23) Vinyl Acetate	3.751	43	1420	0.300	ug/l	# 73
25) 2-Butanone	4.605	43	332	0.247	ug/l	# 51
29) Tetrahydrofuran	5.032	42	402	0.475	ug/l	# 42
31) Cyclohexane	5.544	56	2838	1.113	ug/l	# 1
38) Carbon Tetrachloride	5.544	117	14932	5.697	ug/l	# 16
49) 1,4-Dioxane	7.696	88	42	0.911	ug/l	# 12
51) 4-Methyl-2-Pentanone	8.580	43	924	0.324	ug/l	99
59) 2-Hexanone	9.452	43	547	0.252	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	57766	24.047	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	57766	65.539	ug/l	# 5
87) 1,3-Dichlorobenzene	11.969	146	1009	0.224	ug/l	89
88) 1,4-Dichlorobenzene	11.969	146	1009	0.217	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	1437	0.475	ug/l	92
95) Naphthalene	13.780	128	6022	0.675	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	1525	0.490	ug/l	94

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061224\
Data File : VX041831.D
Acq On : 12 Jun 2024 10:53
Operator : JC/MD
Sample : VX0612MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 13 03:38:59 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

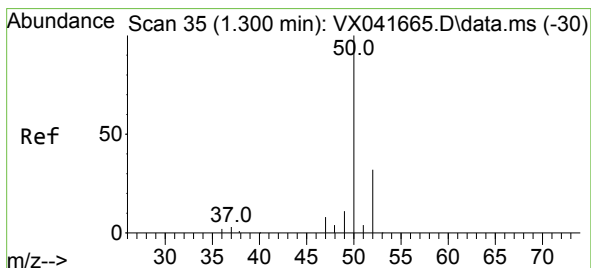
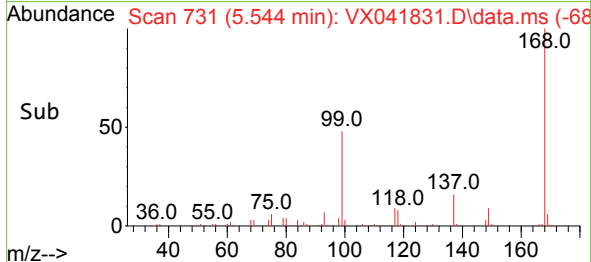
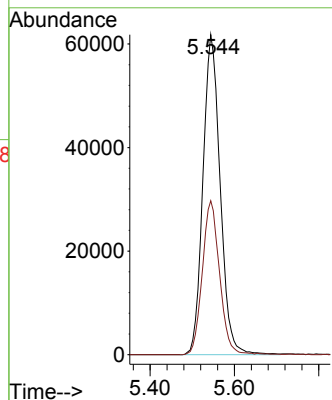
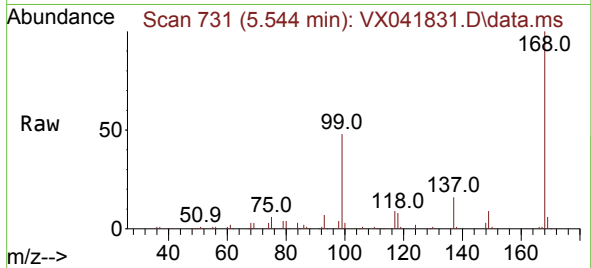




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX041831.D
Acq: 12 Jun 2024 10:53

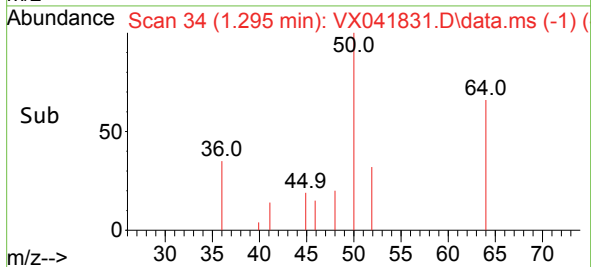
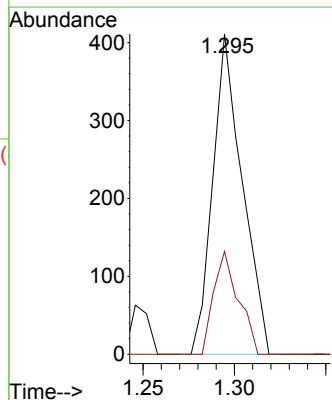
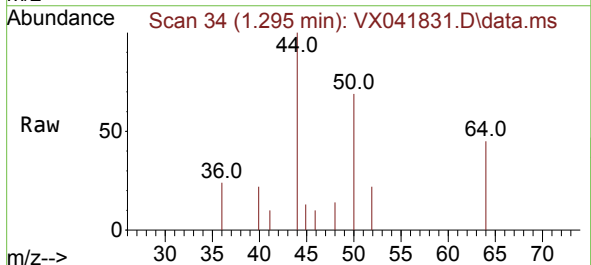
Instrument :
MSVOA_X
ClientSampleId :

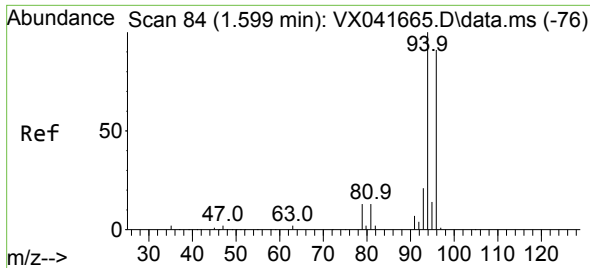
Tgt Ion:168 Resp: 176063
Ion Ratio Lower Upper
168 100
99 48.1 56.6 85.0#



#3
Chloromethane
Concen: 0.273 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX041831.D
Acq: 12 Jun 2024 10:53

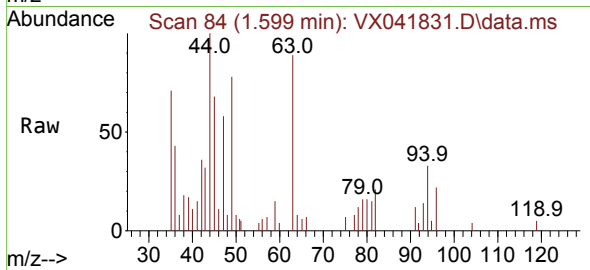
Tgt Ion: 50 Resp: 461
Ion Ratio Lower Upper
50 100
52 32.1 25.5 38.3



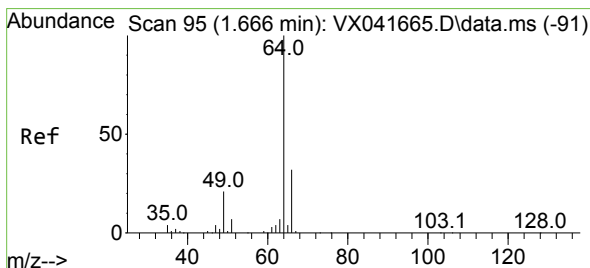
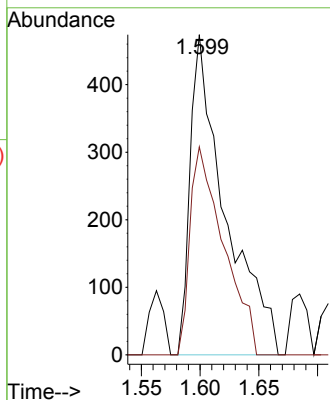
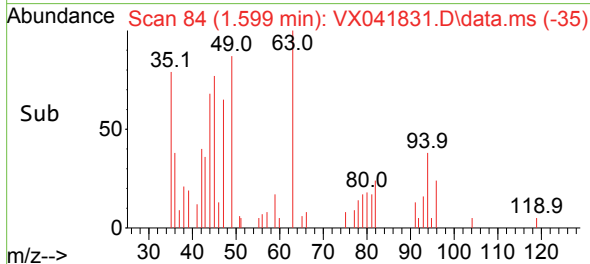


#5
Bromomethane
Concen: 0.816 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041831.D
Acq: 12 Jun 2024 10:53

Instrument :
MSVOA_X
ClientSampleId :

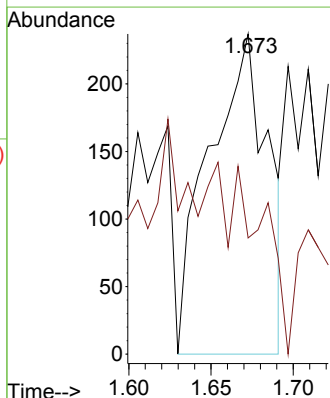
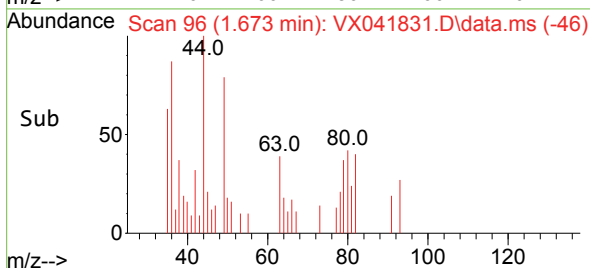
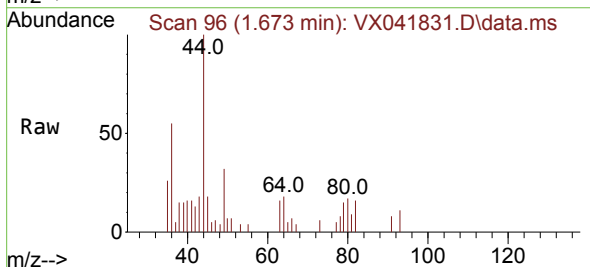


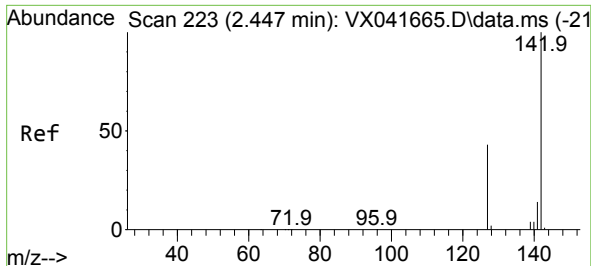
Tgt Ion: 94 Resp: 987
Ion Ratio Lower Upper
94 100
96 65.0 74.6 111.8#



#6
Chloroethane
Concen: 0.558 ug/l
RT: 1.673 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX041831.D
Acq: 12 Jun 2024 10:53

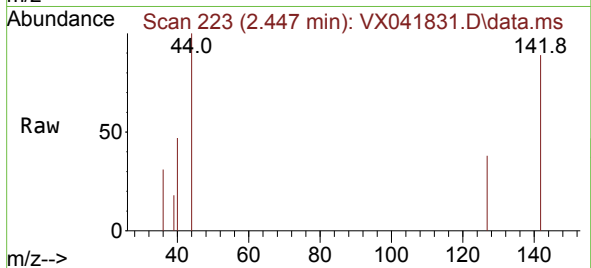
Tgt Ion: 64 Resp: 586
Ion Ratio Lower Upper
64 100
66 6.3 25.1 37.7#



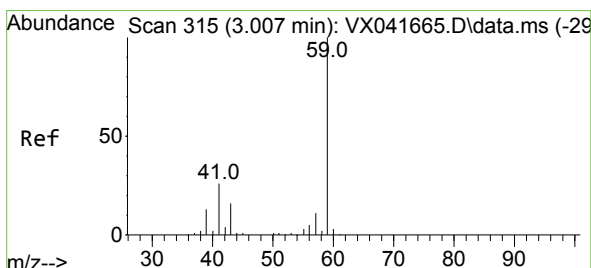
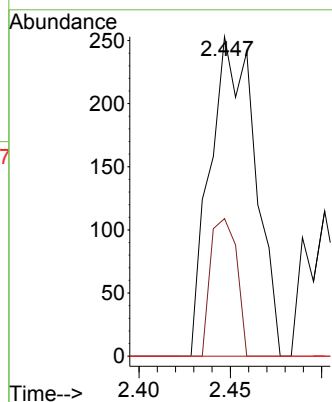
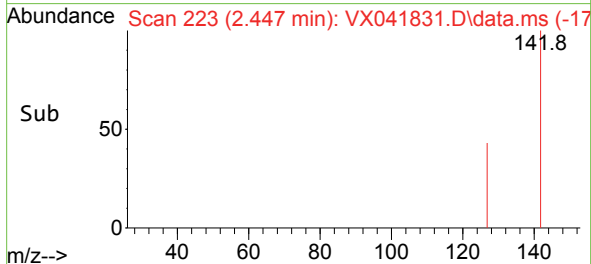


#10
Methyl Iodide
Concen: 0.216 ug/l
RT: 2.447 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041831.D
Acq: 12 Jun 2024 10:53

Instrument :
MSVOA_X
ClientSampleId :

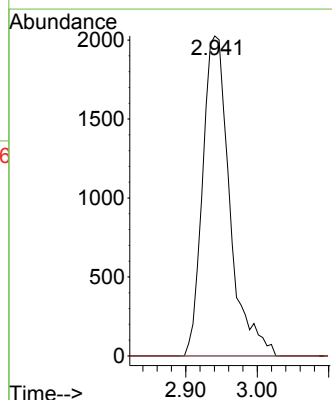
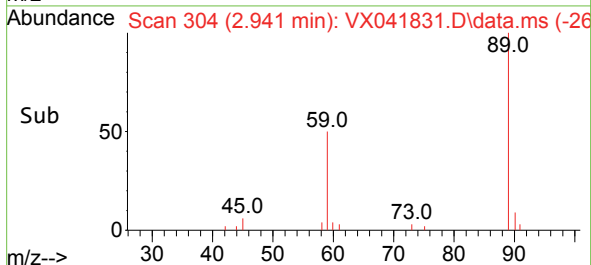
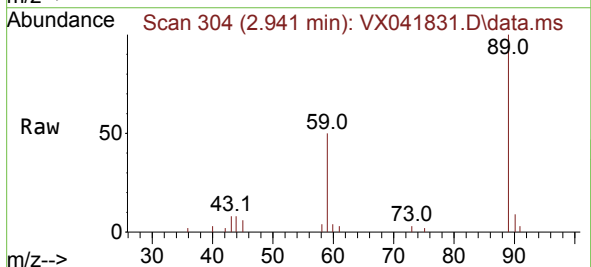


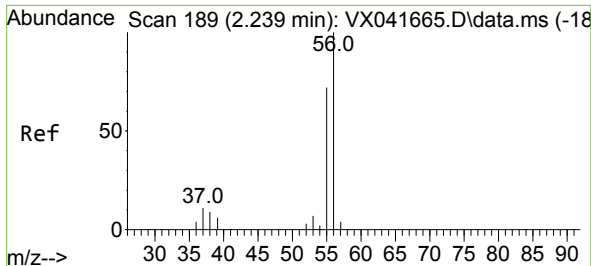
Tgt Ion:142 Resp: 434
Ion Ratio Lower Upper
142 100
127 25.1 41.6 62.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 13.953 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.067 min
Lab File: VX041831.D
Acq: 12 Jun 2024 10:53

Tgt Ion: 59 Resp: 5330
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 1.150 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX041831.D

Acq: 12 Jun 2024 10:53

Instrument :

MSVOA_X

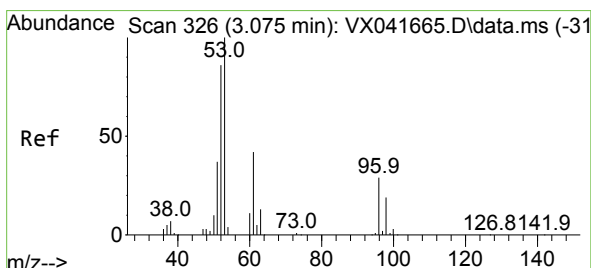
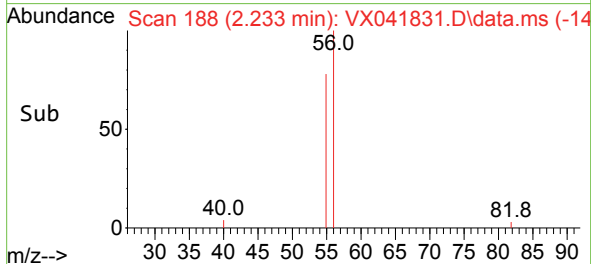
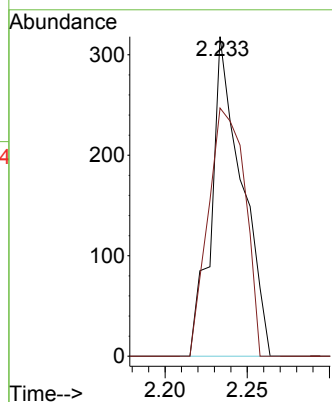
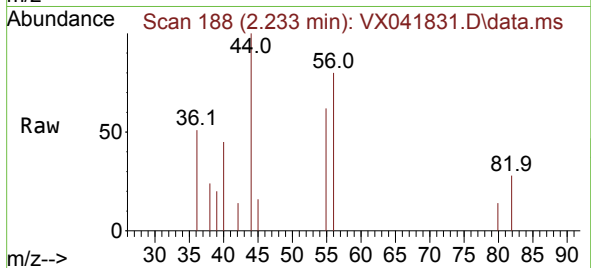
ClientSampleId :

Tgt Ion: 56 Resp: 409

Ion Ratio Lower Upper

56 100

55 93.6 57.1 85.7#



#15

Acrylonitrile

Concen: 1.022 ug/l

RT: 3.081 min Scan# 327

Delta R.T. 0.006 min

Lab File: VX041831.D

Acq: 12 Jun 2024 10:53

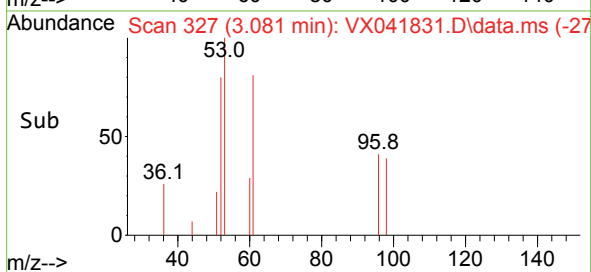
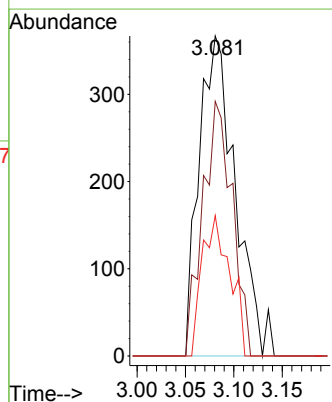
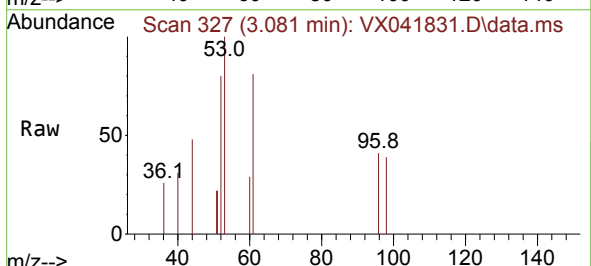
Tgt Ion: 53 Resp: 957

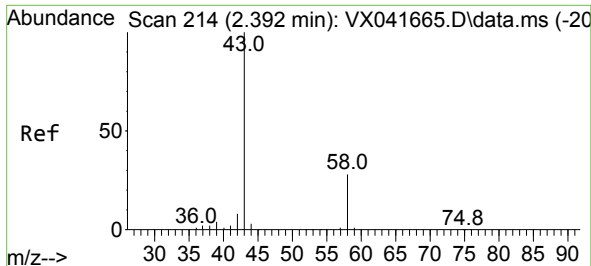
Ion Ratio Lower Upper

53 100

52 64.7 66.0 99.0#

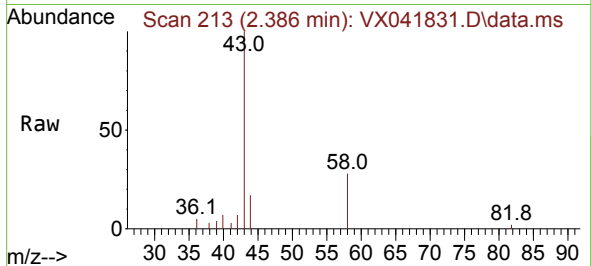
51 33.6 29.8 44.6



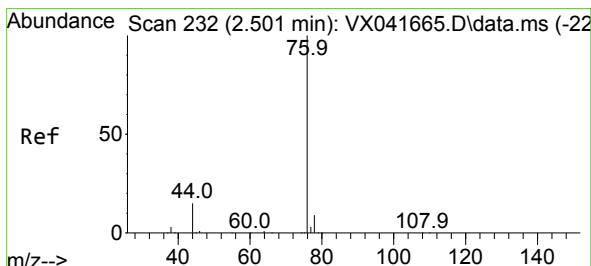
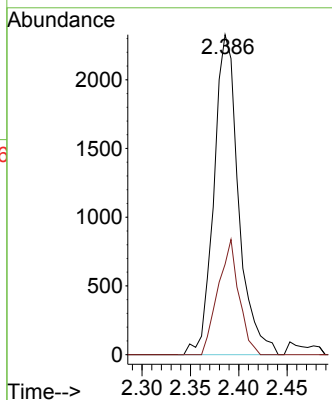
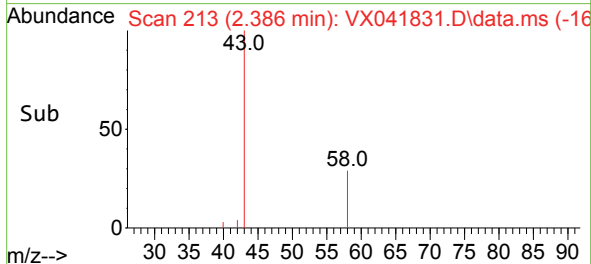


#16
Acetone
Concen: 1.655 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX041831.D
Acq: 12 Jun 2024 10:53

Instrument :
MSVOA_X
ClientSampleId :

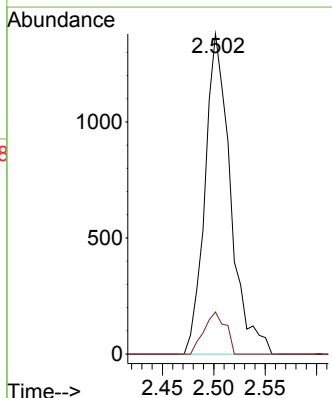
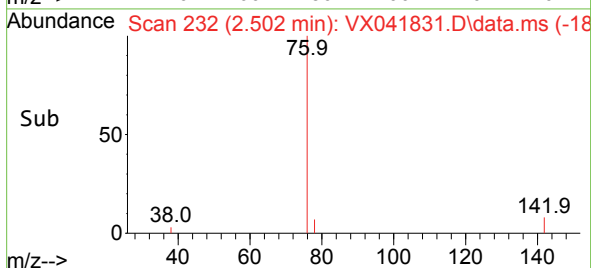
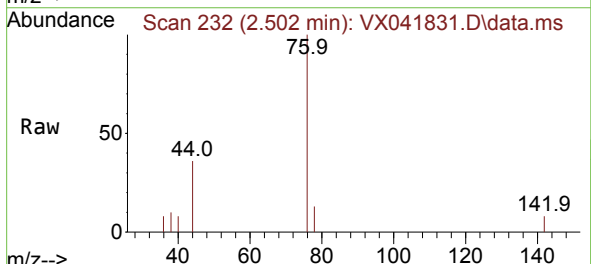


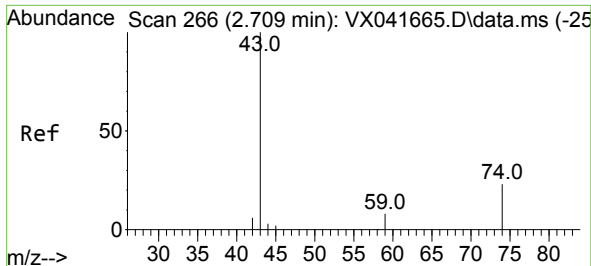
Tgt Ion: 43 Resp: 4118
Ion Ratio Lower Upper
43 100
58 28.3 21.9 32.9



#17
Carbon Disulfide
Concen: 0.686 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX041831.D
Acq: 12 Jun 2024 10:53

Tgt Ion: 76 Resp: 2383
Ion Ratio Lower Upper
76 100
78 13.1 7.0 10.6#

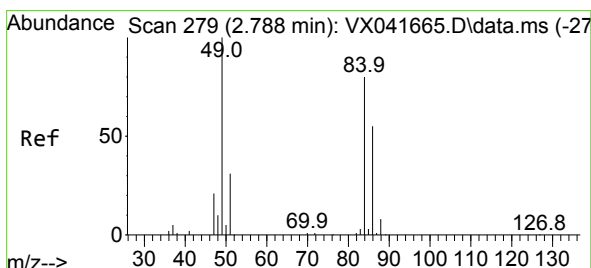
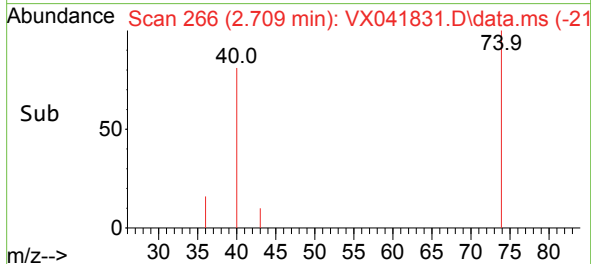
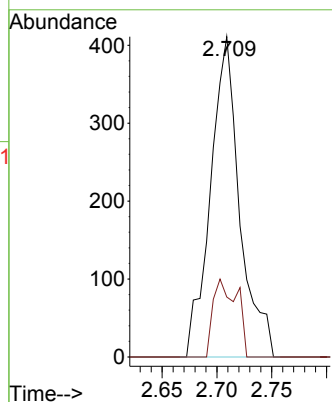
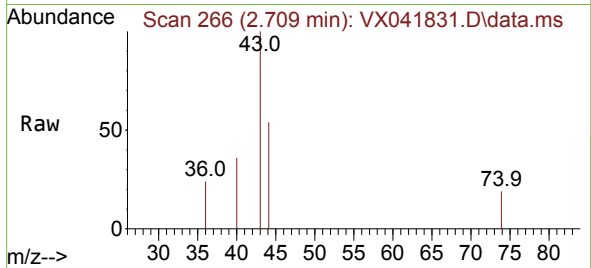




#18
Methyl Acetate
Concen: 0.370 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX041831.D
Acq: 12 Jun 2024 10:53

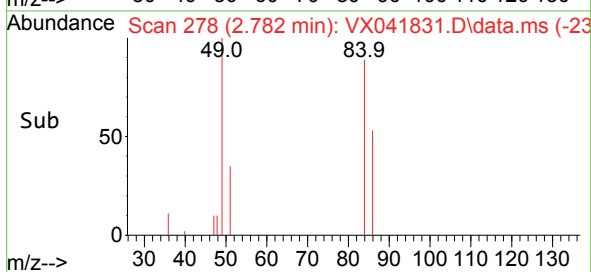
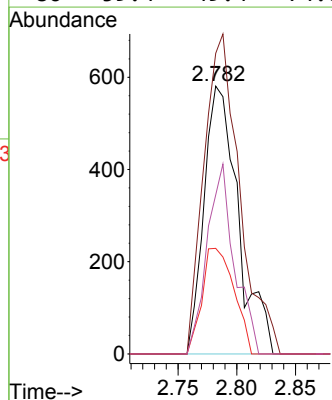
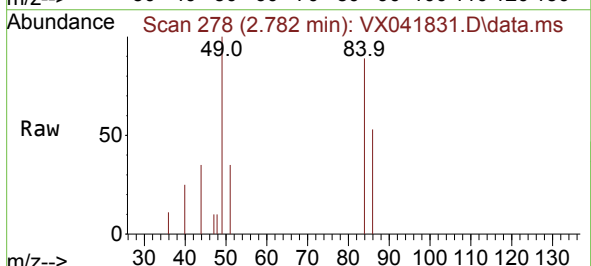
Instrument :
MSVOA_X
ClientSampleId :

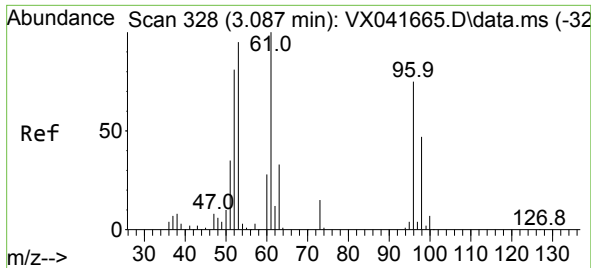
Tgt Ion: 43 Resp: 763
Ion Ratio Lower Upper
43 100
74 19.7 17.8 26.8



#20
Methylene Chloride
Concen: 0.608 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX041831.D
Acq: 12 Jun 2024 10:53

Tgt Ion: 84 Resp: 1175
Ion Ratio Lower Upper
84 100
49 112.2 103.6 155.4
51 39.4 33.8 50.6
86 59.4 49.4 74.0

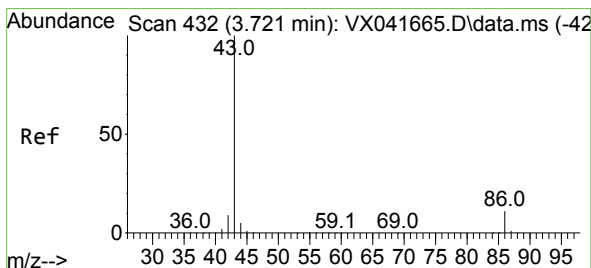
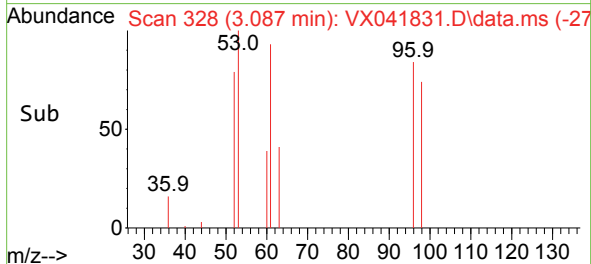
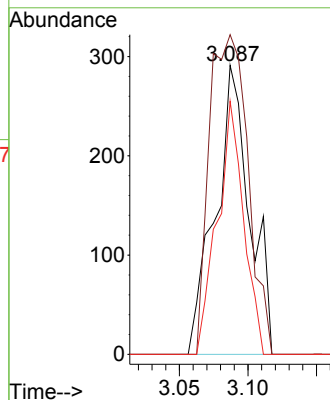
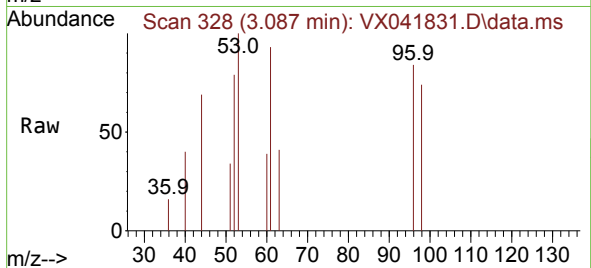




#21
trans-1,2-Dichloroethene
Concen: 0.310 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX041831.D
Acq: 12 Jun 2024 10:53

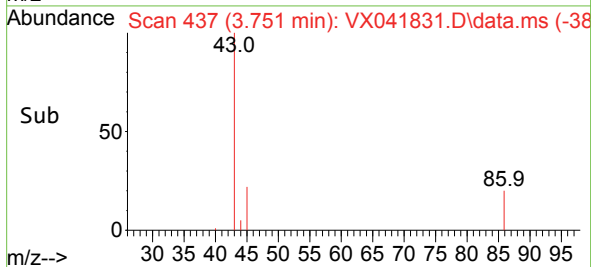
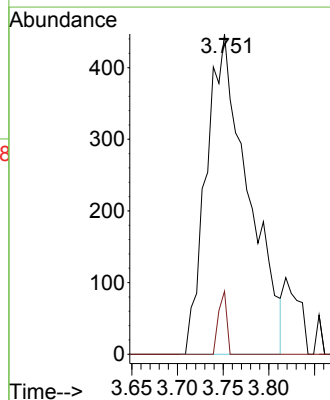
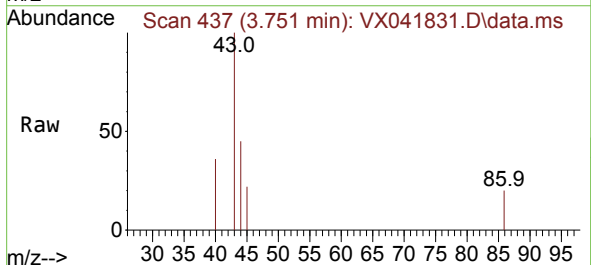
Instrument :
MSVOA_X
ClientSampleId :

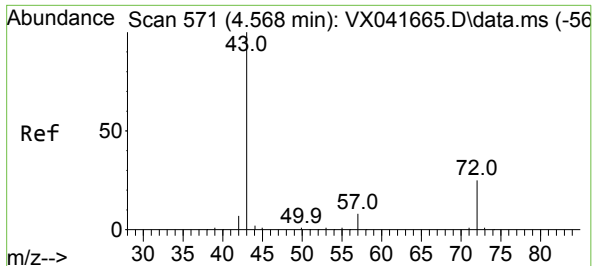
Tgt Ion: 96 Resp: 505
Ion Ratio Lower Upper
96 100
61 110.7 119.2 178.8#
98 87.6 48.7 73.1#



#23
Vinyl Acetate
Concen: 0.300 ug/l
RT: 3.751 min Scan# 437
Delta R.T. 0.031 min
Lab File: VX041831.D
Acq: 12 Jun 2024 10:53

Tgt Ion: 43 Resp: 1420
Ion Ratio Lower Upper
43 100
86 19.7 7.8 11.8#





#25

2-Butanone

Concen: 0.247 ug/l

RT: 4.605 min Scan# 51

Delta R.T. 0.037 min

Lab File: VX041831.D

Acq: 12 Jun 2024 10:53

Instrument :

MSVOA_X

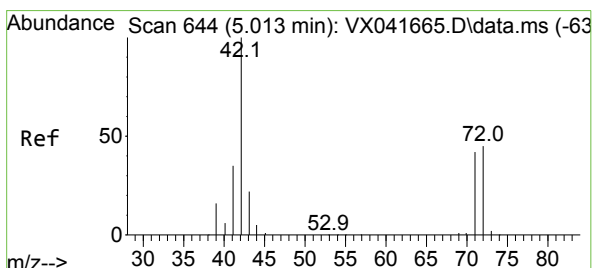
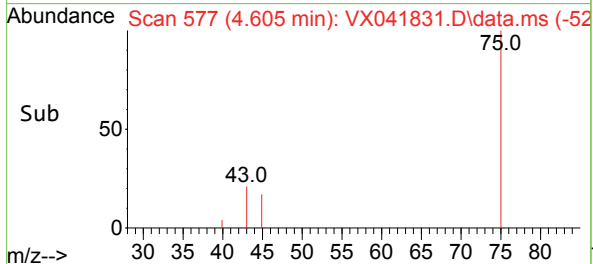
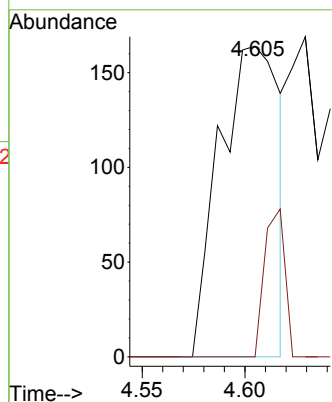
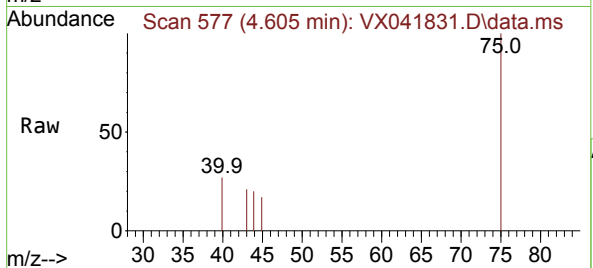
ClientSampleId :

Tgt Ion: 43 Resp: 332

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



#29

Tetrahydrofuran

Concen: 0.475 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.019 min

Lab File: VX041831.D

Acq: 12 Jun 2024 10:53

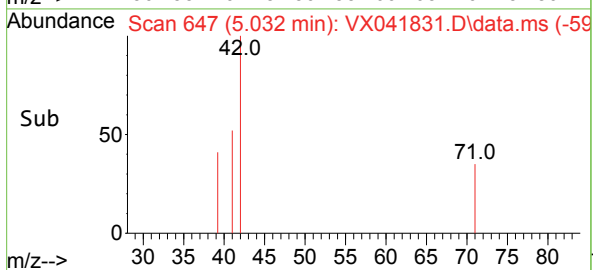
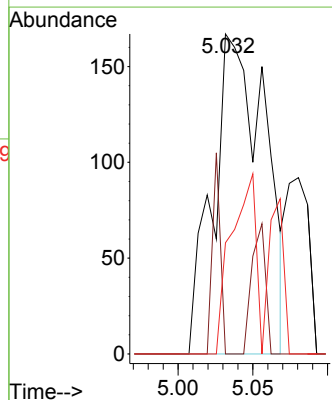
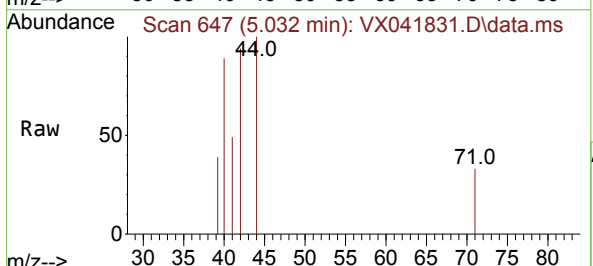
Tgt Ion: 42 Resp: 402

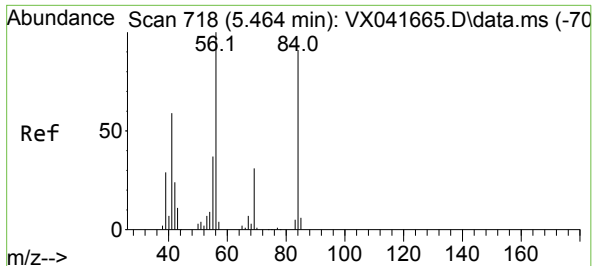
Ion Ratio Lower Upper

42 100

72 9.5 34.2 51.4#

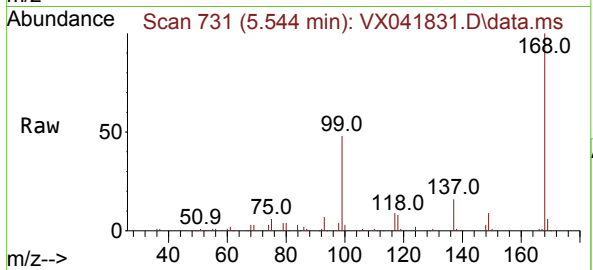
71 0.0 32.2 48.2#



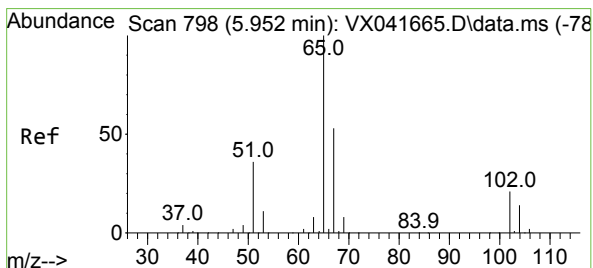
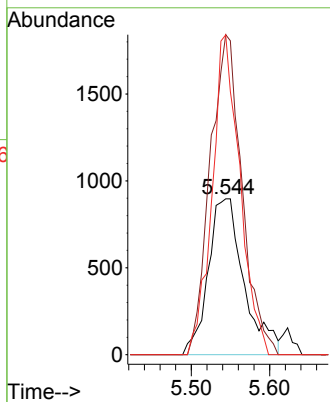
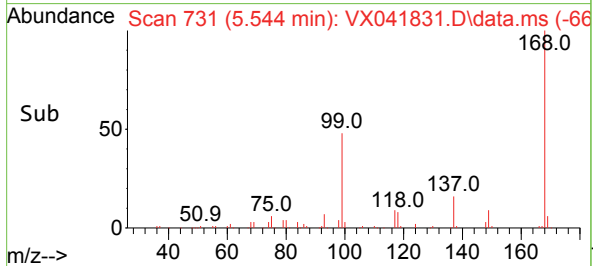


#31
Cyclohexane
Concen: 1.113 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX041831.D
Acq: 12 Jun 2024 10:53

Instrument :
MSVOA_X
ClientSampleId :

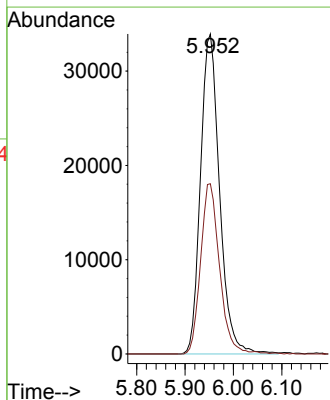
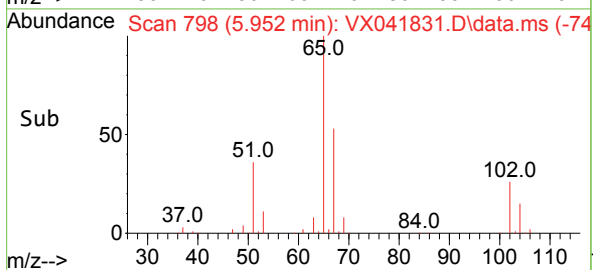
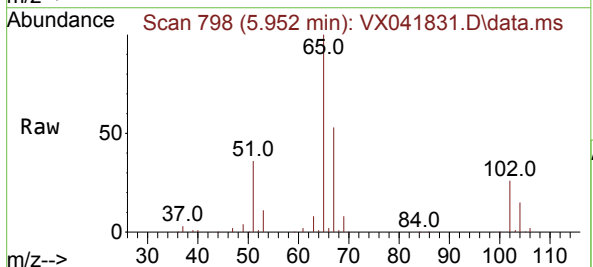


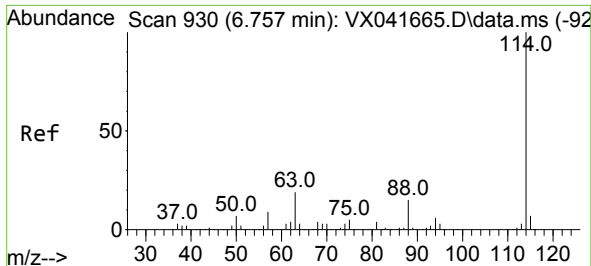
Tgt Ion: 56 Resp: 2838
Ion Ratio Lower Upper
56 100
69 205.2 23.4 35.2#
84 212.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 43.017 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX041831.D
Acq: 12 Jun 2024 10:53

Tgt Ion: 65 Resp: 92888
Ion Ratio Lower Upper
65 100
67 52.9 0.0 100.2

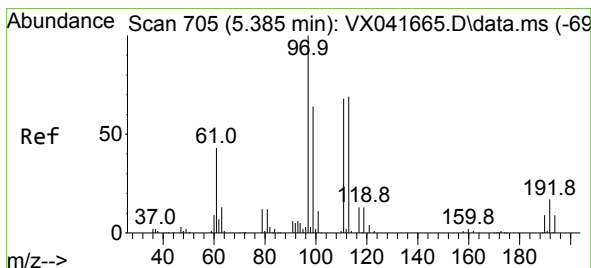
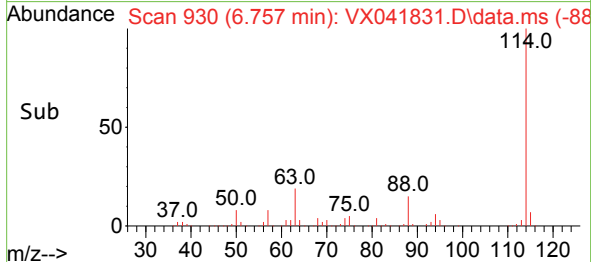
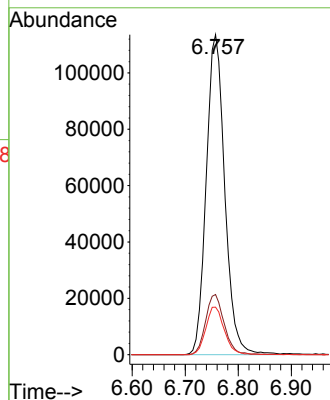
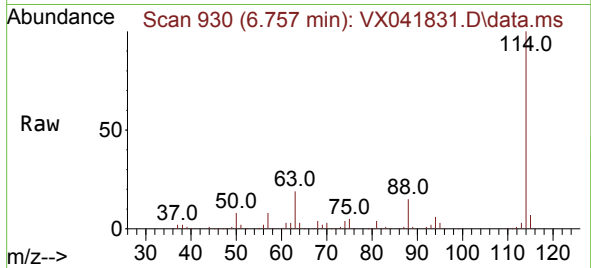




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX041831.D
 Acq: 12 Jun 2024 10:53

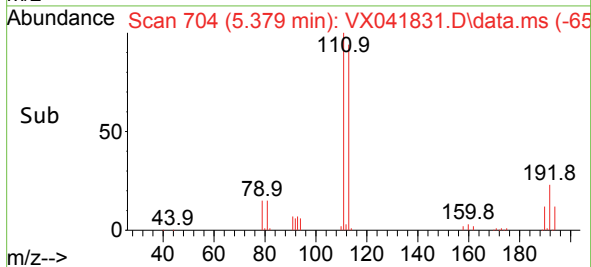
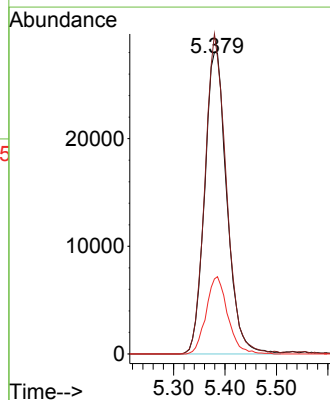
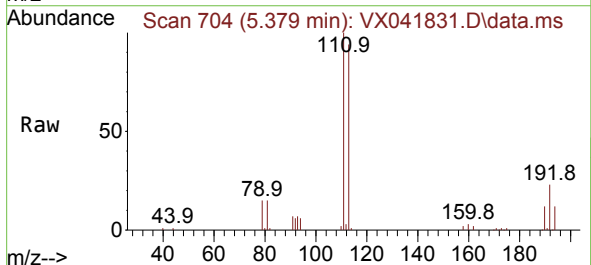
Instrument :
 MSVOA_X
 ClientSampleId :

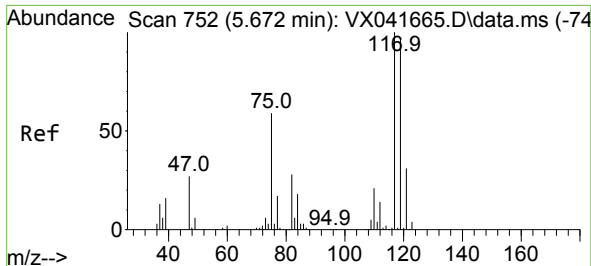
Tgt Ion:114 Resp: 275554
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 45.0
 88 14.8 0.0 36.6



#35
 Dibromofluoromethane
 Concen: 44.227 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. -0.006 min
 Lab File: VX041831.D
 Acq: 12 Jun 2024 10:53

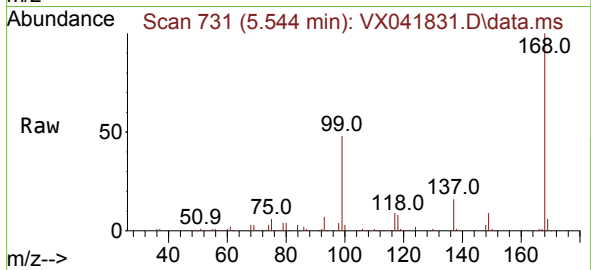
Tgt Ion:113 Resp: 84260
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.9 124.3
 192 24.8 13.3 19.9#



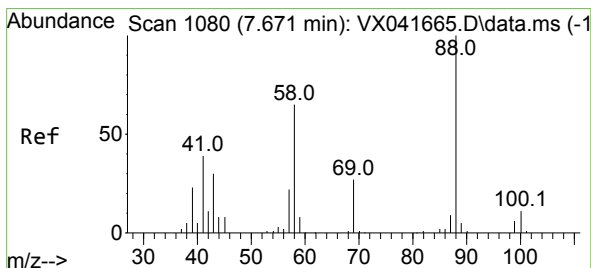
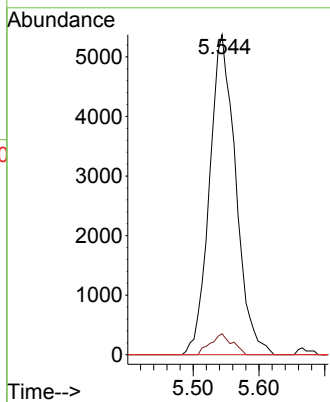
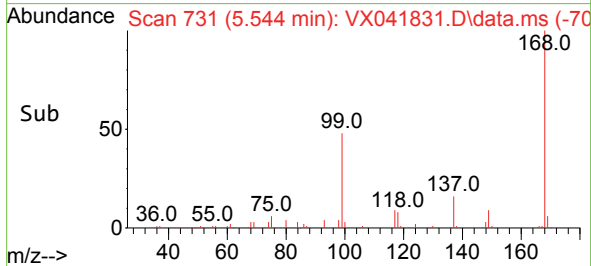


#38
Carbon Tetrachloride
Concen: 5.697 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX041831.D
Acq: 12 Jun 2024 10:53

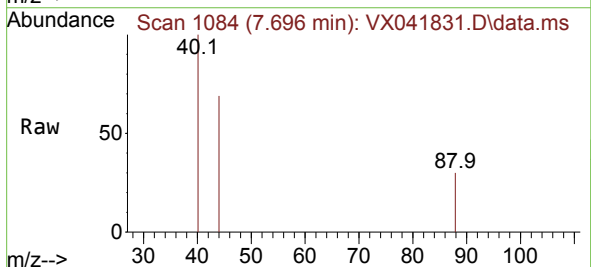
Instrument :
MSVOA_X
ClientSampleId :



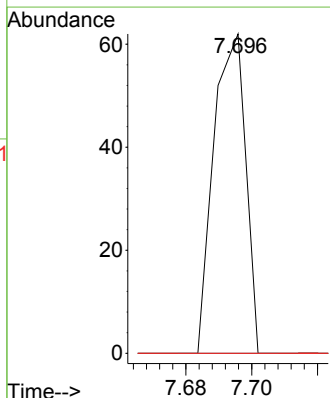
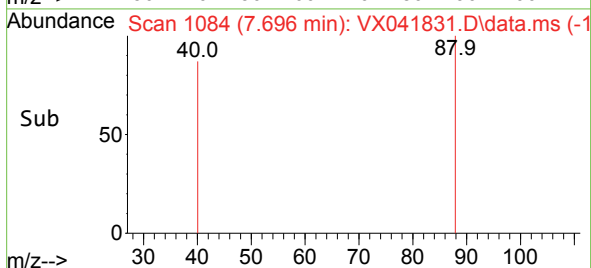
Tgt Ion:117 Resp: 14932
Ion Ratio Lower Upper
117 100
119 6.5 78.2 117.2#
121 0.0 24.4 36.6#

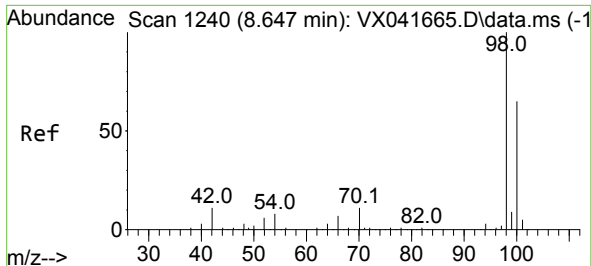


#49
1,4-Dioxane
Concen: 0.911 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.025 min
Lab File: VX041831.D
Acq: 12 Jun 2024 10:53



Tgt Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#

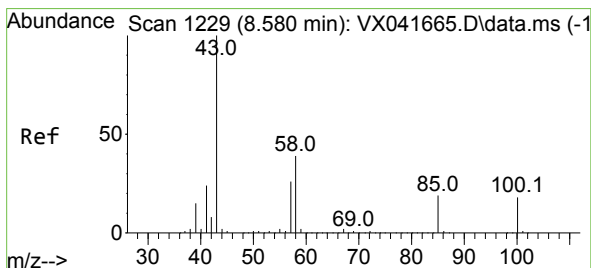
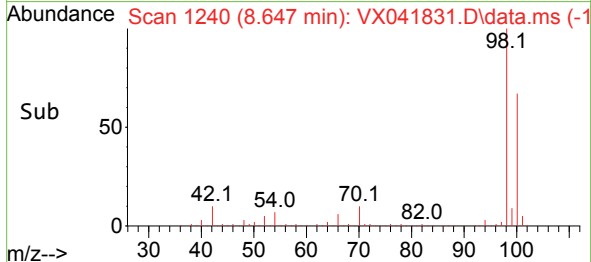
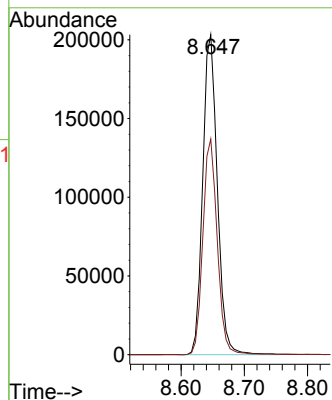
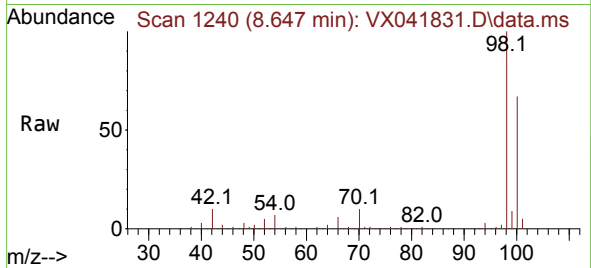




#50
Toluene-d8
Concen: 49.017 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041831.D
Acq: 12 Jun 2024 10:53

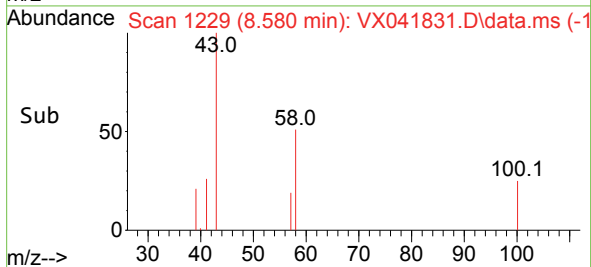
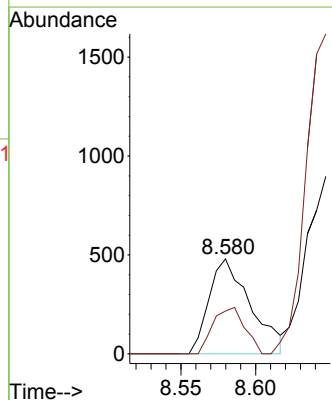
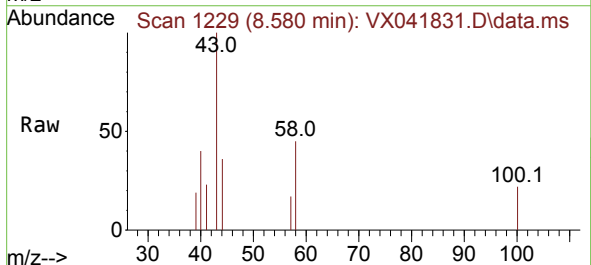
Instrument :
MSVOA_X
ClientSampleId :

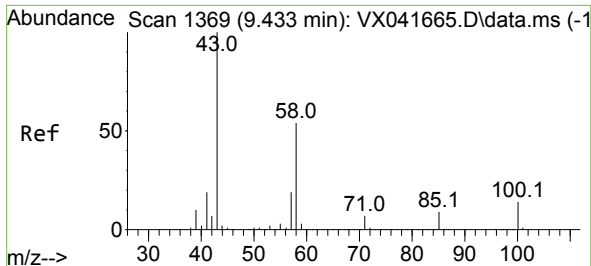
Tgt Ion: 98 Resp: 326303
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.324 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VX041831.D
Acq: 12 Jun 2024 10:53

Tgt Ion: 43 Resp: 924
Ion Ratio Lower Upper
43 100
58 37.6 30.4 45.6

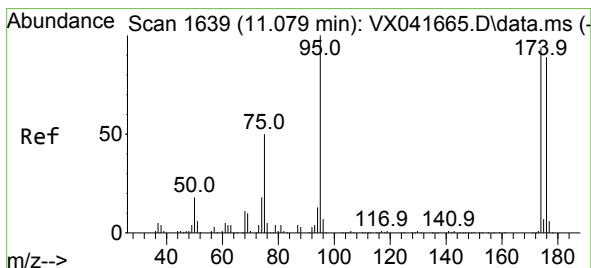
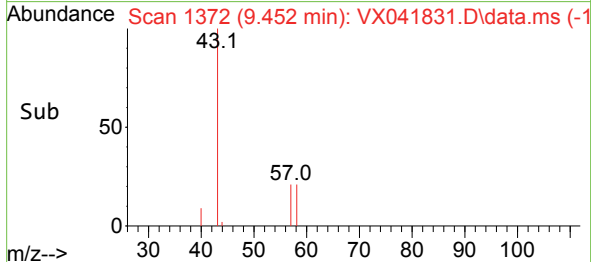
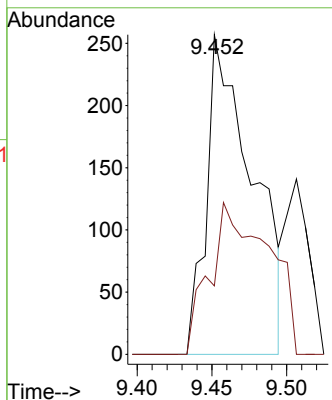
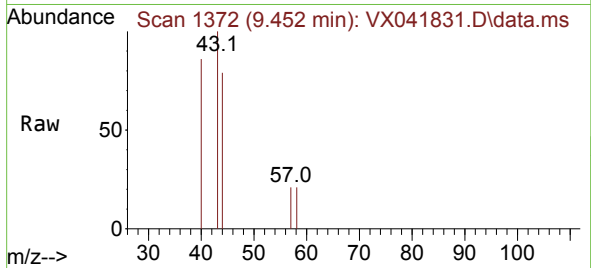




#59
2-Hexanone
Concen: 0.252 ug/l
RT: 9.452 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX041831.D
Acq: 12 Jun 2024 10:53

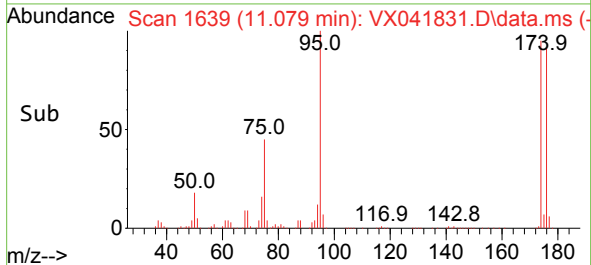
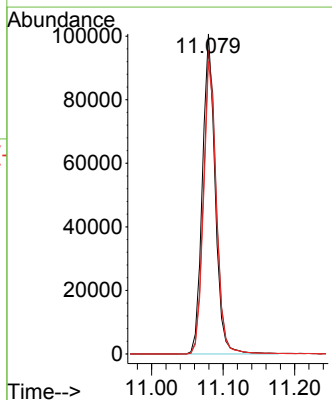
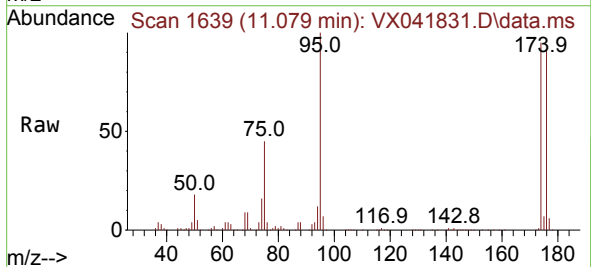
Instrument :
MSVOA_X
ClientSampleId :

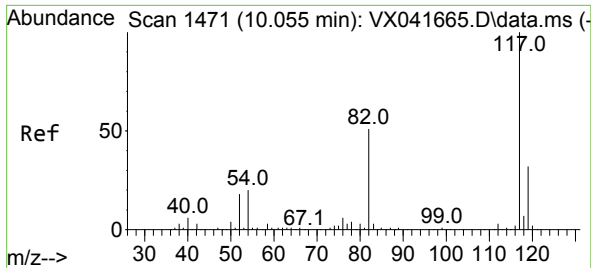
Tgt Ion: 43 Resp: 547
Ion Ratio Lower Upper
43 100
58 61.2 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 50.652 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041831.D
Acq: 12 Jun 2024 10:53

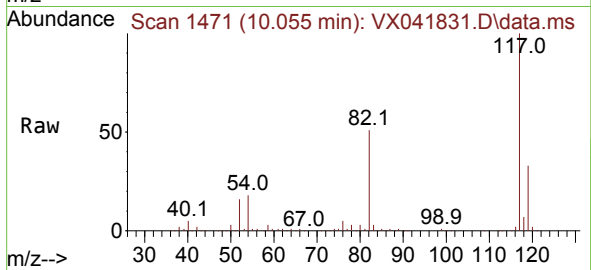
Tgt Ion: 95 Resp: 124449
Ion Ratio Lower Upper
95 100
174 96.6 0.0 135.6
176 91.9 0.0 131.0



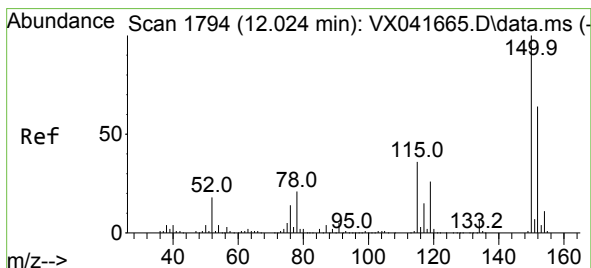
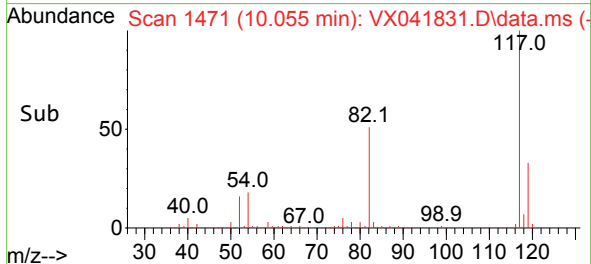
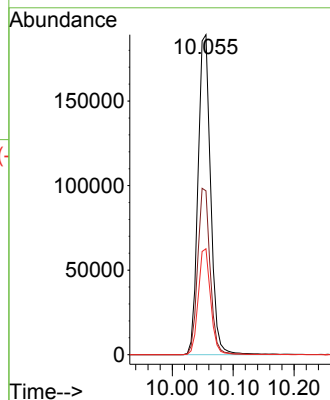


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041831.D
Acq: 12 Jun 2024 10:53

Instrument :
MSVOA_X
ClientSampleId :

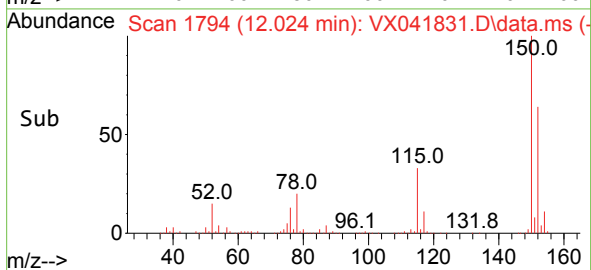
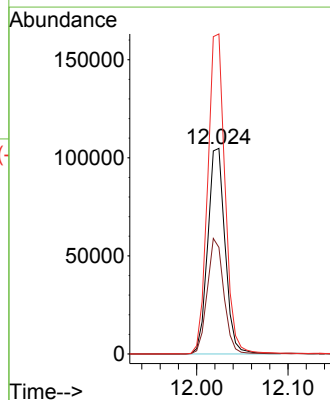
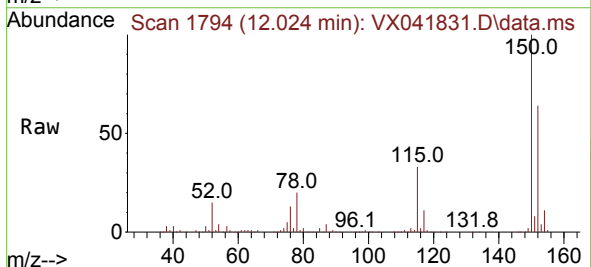


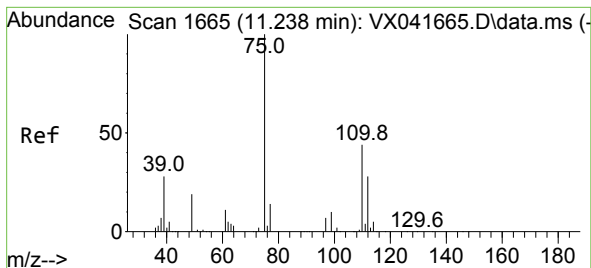
Tgt Ion:117 Resp: 271356
Ion Ratio Lower Upper
117 100
82 51.2 46.2 69.4
119 33.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX041831.D
Acq: 12 Jun 2024 10:53

Tgt Ion:152 Resp: 137681
Ion Ratio Lower Upper
152 100
115 54.1 43.3 129.9
150 156.8 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 24.047 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041831.D

Acq: 12 Jun 2024 10:53

Instrument :

MSVOA_X

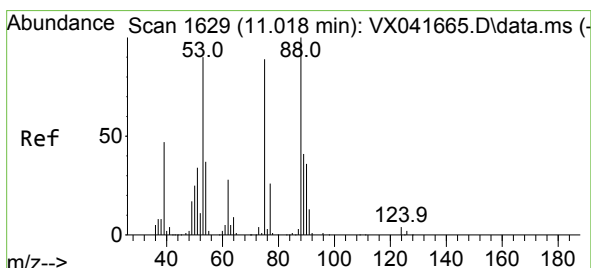
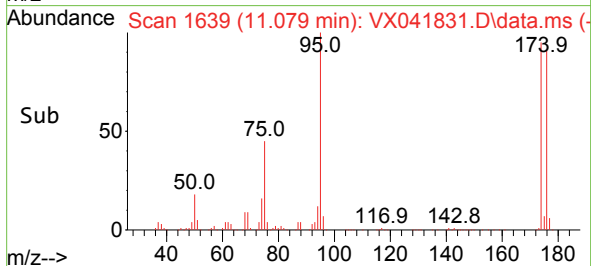
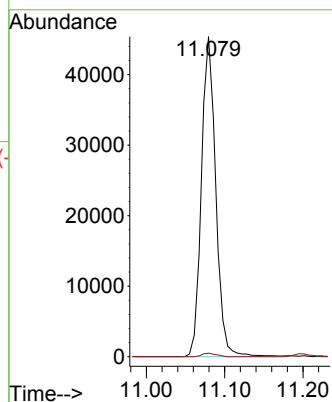
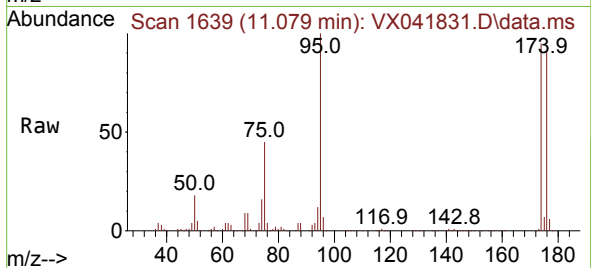
ClientSampleId :

Tgt Ion: 75 Resp: 57766

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.539 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041831.D

Acq: 12 Jun 2024 10:53

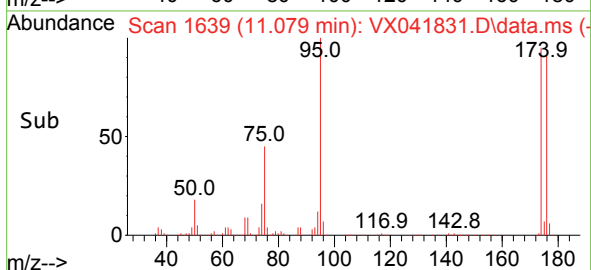
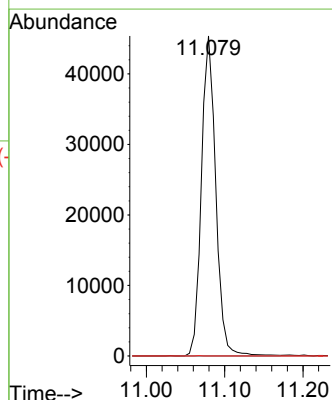
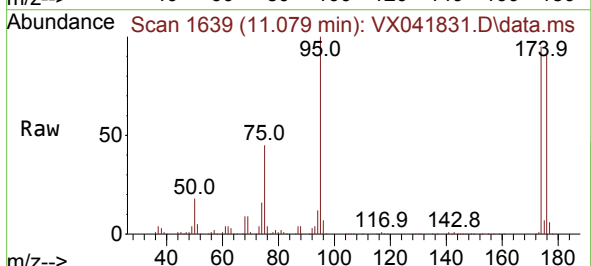
Tgt Ion: 75 Resp: 57766

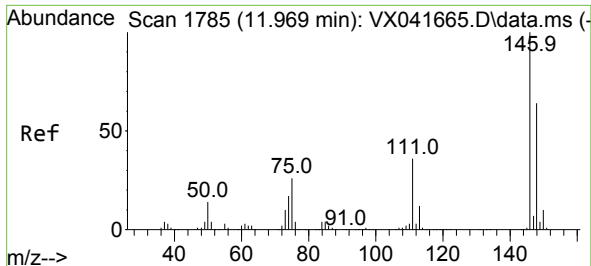
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.224 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

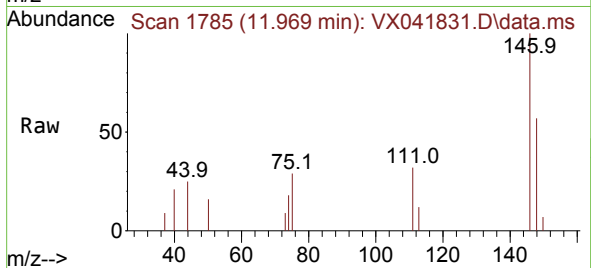
Lab File: VX041831.D

Acq: 12 Jun 2024 10:53

Instrument :

MSVOA_X

ClientSampleId :



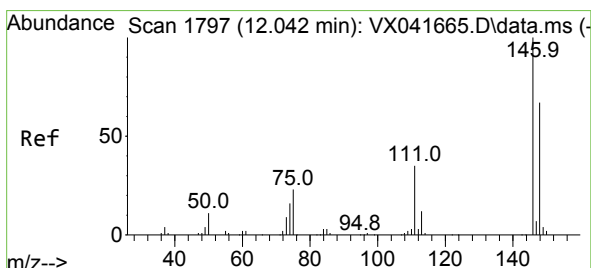
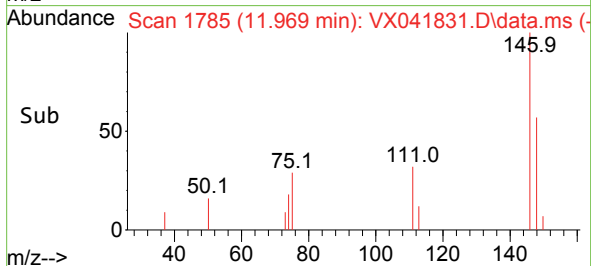
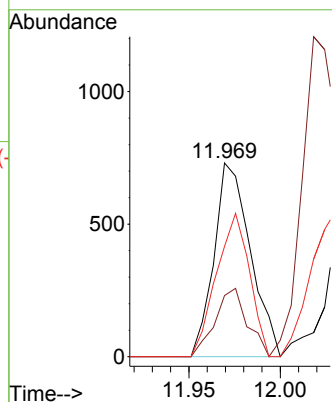
Tgt Ion:146 Resp: 1009

Ion Ratio Lower Upper

146 100

111 31.2 22.1 66.1

148 67.4 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.217 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.073 min

Lab File: VX041831.D

Acq: 12 Jun 2024 10:53

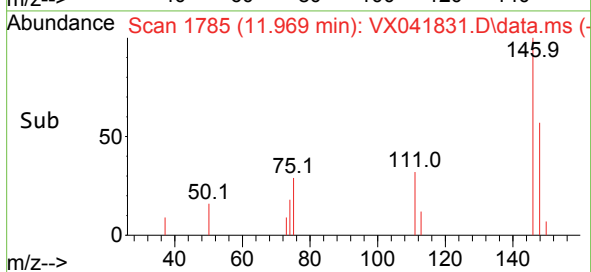
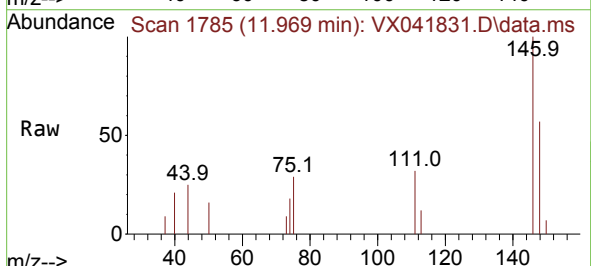
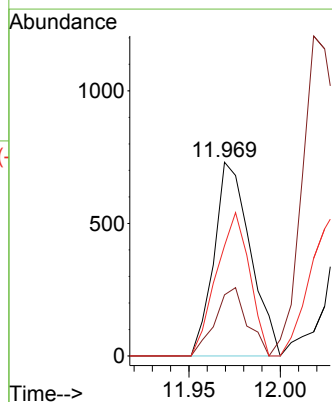
Tgt Ion:146 Resp: 1009

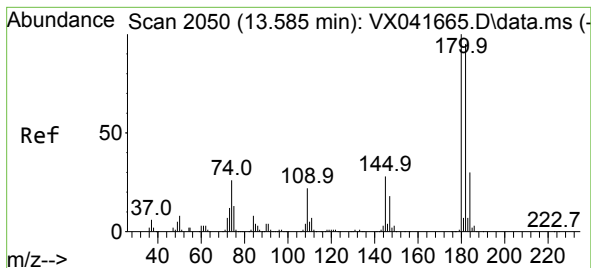
Ion Ratio Lower Upper

146 100

111 31.2 21.3 63.7

148 67.4 31.8 95.4





#93

1,2,4-Trichlorobenzene

Concen: 0.475 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX041831.D

Acq: 12 Jun 2024 10:53

Instrument :

MSVOA_X

ClientSampleId :

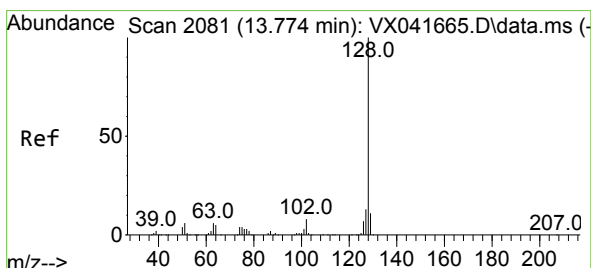
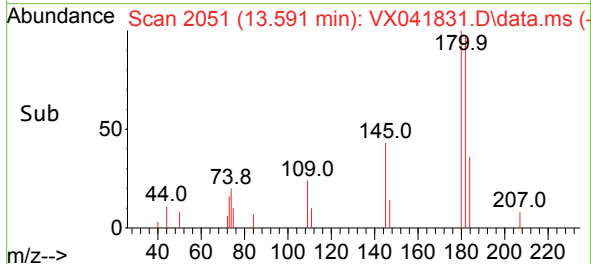
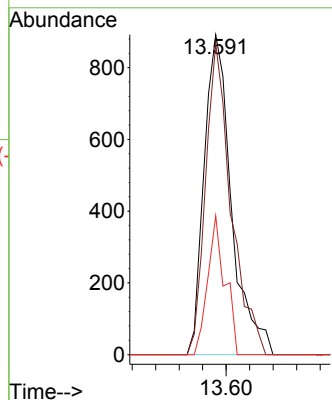
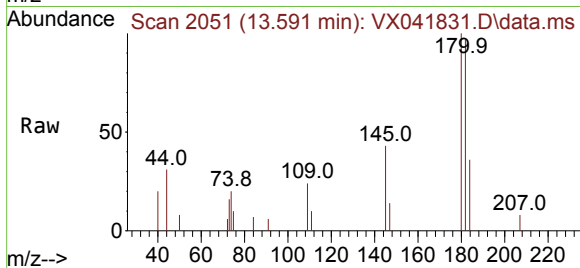
Tgt Ion:180 Resp: 1437

Ion Ratio Lower Upper

180 100

182 90.6 48.3 144.8

145 27.5 18.0 54.0



#95

Naphthalene

Concen: 0.675 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX041831.D

Acq: 12 Jun 2024 10:53

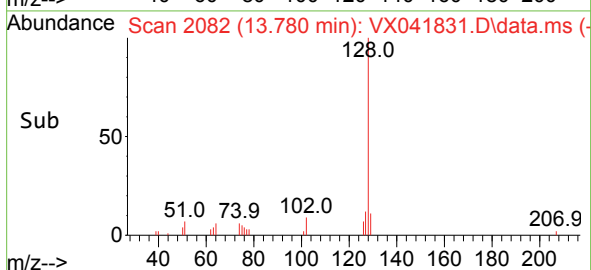
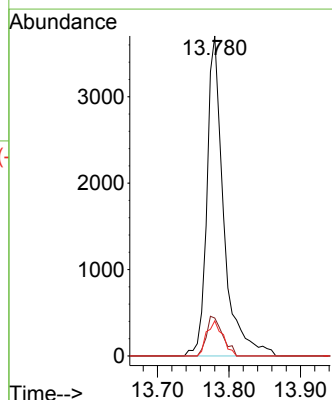
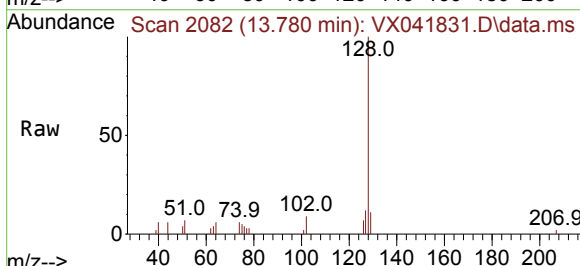
Tgt Ion:128 Resp: 6022

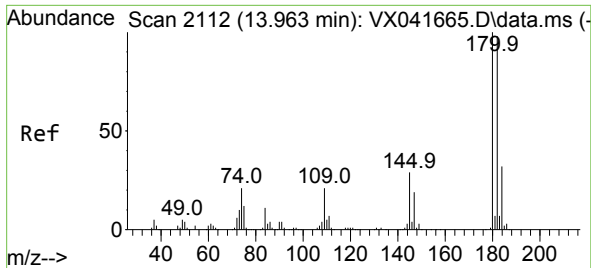
Ion Ratio Lower Upper

128 100

127 12.0 10.3 15.5

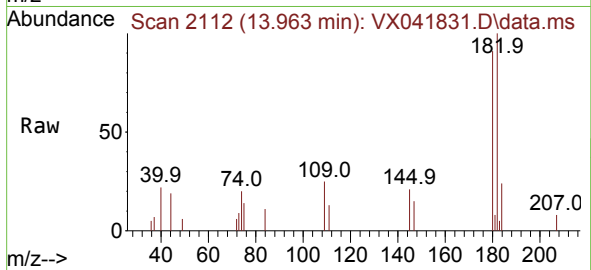
129 10.5 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.490 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX041831.D
 Acq: 12 Jun 2024 10:53

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	1525
Ion	Ratio	Lower	Upper
180	100		
182	96.5	46.9	140.6
145	28.0	17.8	53.5

