

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061824\
 Data File : VX041932.D
 Acq On : 18 Jun 2024 18:46
 Operator : JC/MD
 Sample : P2927-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 19 08:49:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 19 07:57:22 2024
 Response via : Initial Calibration

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

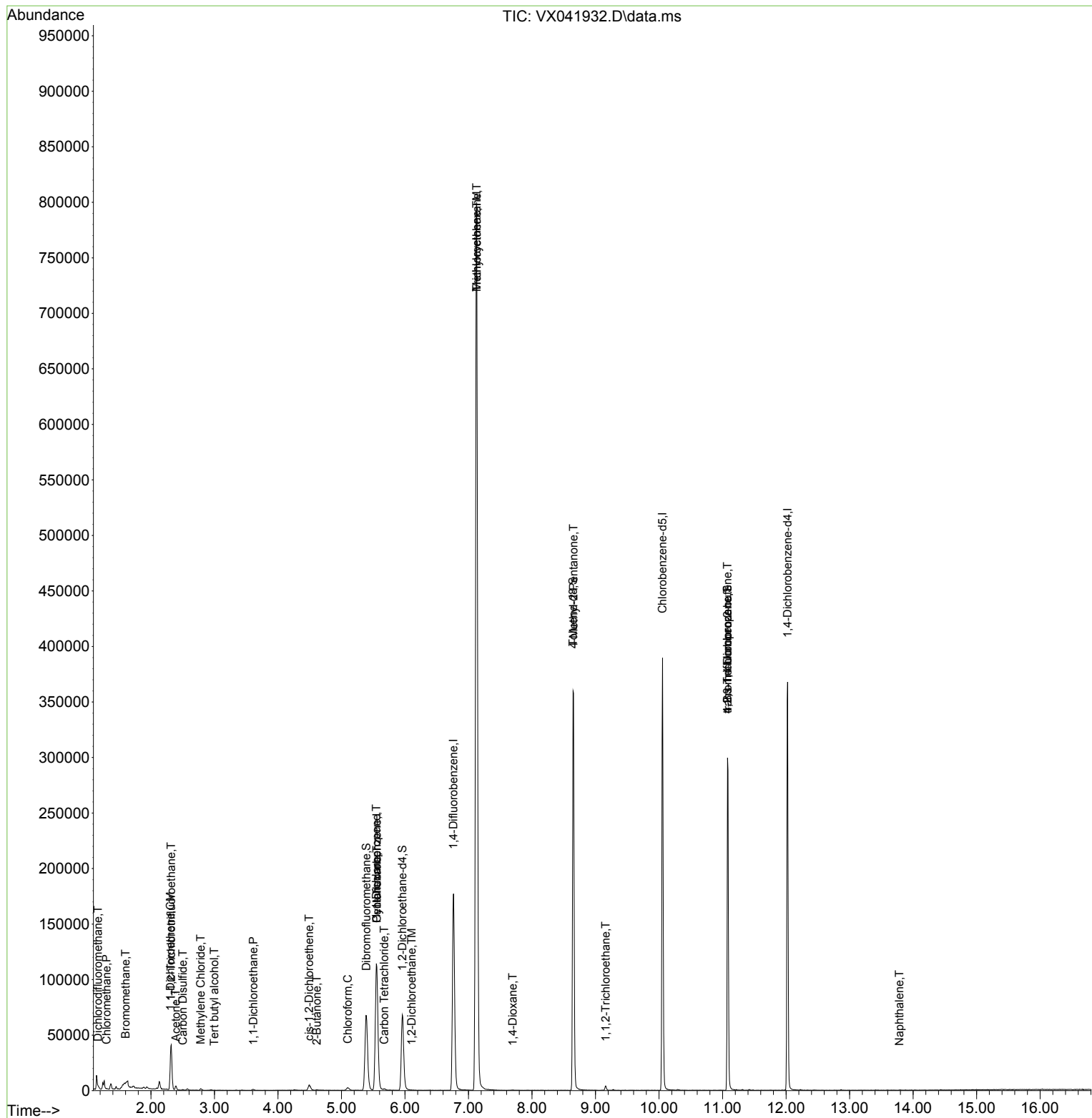
Internal Standards						
1) Pentafluorobenzene	5.556	168	125862	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	194004	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66153	45.580	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.160%
35) Dibromofluoromethane	5.391	113	61501	44.677	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.360%
50) Toluene-d8	8.647	98	231120	47.792	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.580%
62) 4-Bromofluorobenzene	11.079	95	82245	46.137	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.280%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	824	0.859	ug/l	89
3) Chloromethane	1.301	50	390	0.324	ug/l	# 43
5) Bromomethane	1.599	94	198	0.333	ug/l	# 54
6) Chloroethane	1.648	64	47	Below Cal	#	43
9) 1,1,2-Trichlorotrifluo...	2.319	101	14013	12.876	ug/l	87
11) Tert butyl alcohol	2.995	59	166	0.603	ug/l	# 78
12) 1,1-Dichloroethene	2.307	96	2201	2.028	ug/l	# 78
16) Acetone	2.392	43	4079	6.401	ug/l	# 80
17) Carbon Disulfide	2.502	76	713	0.322	ug/l	# 76
20) Methylene Chloride	2.782	84	745	0.534	ug/l	86
24) 1,1-Dichloroethane	3.611	63	1349	0.662	ug/l	# 89
25) 2-Butanone	4.611	43	949	0.957	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	3396	2.461	ug/l	79
30) Chloroform	5.099	83	3086	1.453	ug/l	99
31) Cyclohexane	5.556	56	1926	1.135	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	7473	5.112	ug/l	# 50
38) Carbon Tetrachloride	5.672	117	871	0.539	ug/l	# 66
39) Methylcyclohexane	7.129	83	3651	1.975	ug/l	# 1
42) 1,2-Dichloroethane	6.105	62	367	0.231	ug/l	# 77
44) Trichloroethene	7.129	130	348476	263.698	ug/l	86
49) 1,4-Dioxane	7.696	88	278	27.313	ug/l	# 58
51) 4-Methyl-2-Pentanone	8.653	43	869	0.432	ug/l	# 1
55) 1,1,2-Trichloroethane	9.159	97	1356	1.037	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	37038	22.691	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	37038	64.441	ug/l	# 5
95) Naphthalene	13.786	128	313	0.796	ug/l	# 69

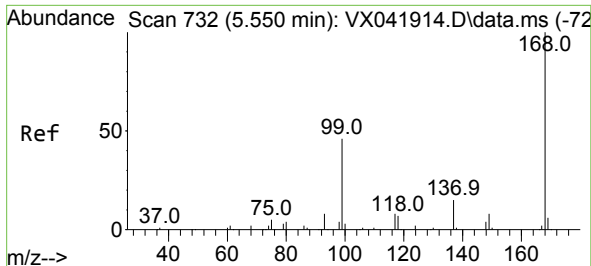
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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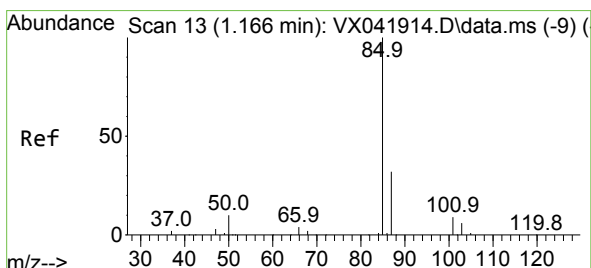
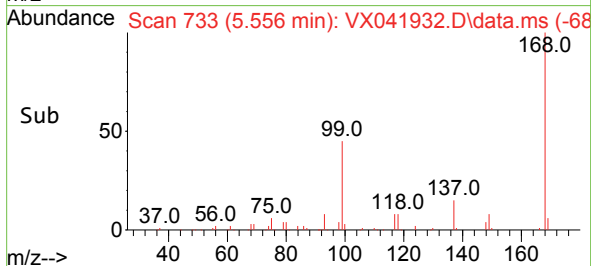
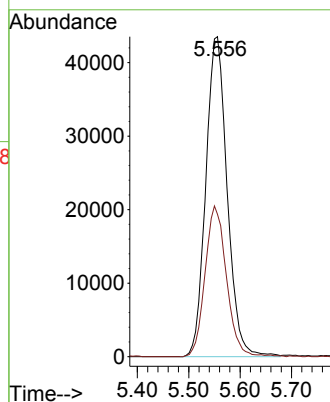
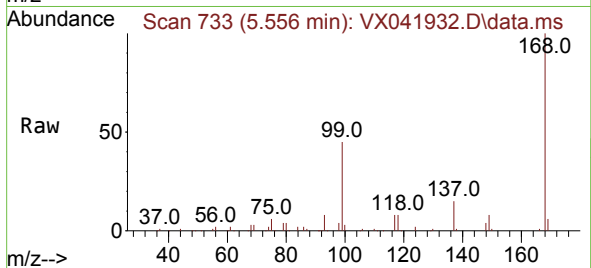




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX041932.D
Acq: 18 Jun 2024 18:46

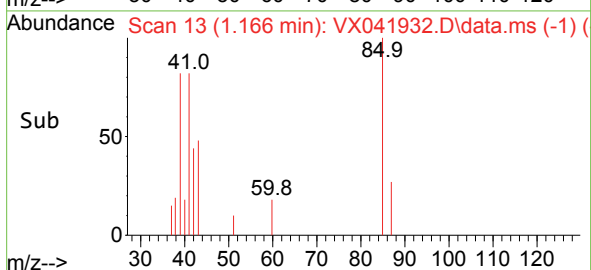
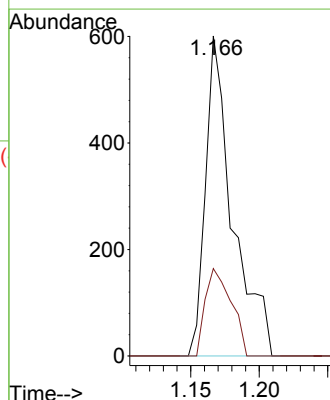
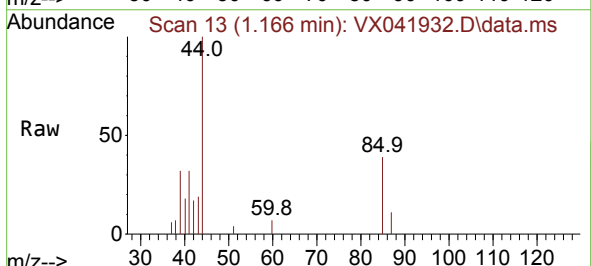
Instrument :
MSVOA_X
ClientSampleId :

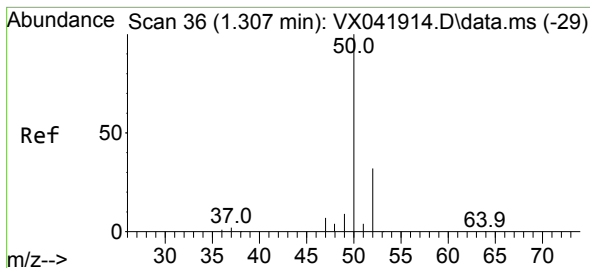
Tgt Ion:168 Resp: 125862
Ion Ratio Lower Upper
168 100
99 44.5 56.6 85.0#



#2
Dichlorodifluoromethane
Concen: 0.859 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX041932.D
Acq: 18 Jun 2024 18:46

Tgt Ion: 85 Resp: 824
Ion Ratio Lower Upper
85 100
87 27.3 16.7 50.1





#3

Chloromethane

Concen: 0.324 ug/l

RT: 1.301 min Scan# 3

Delta R.T. -0.006 min

Lab File: VX041932.D

Acq: 18 Jun 2024 18:46

Instrument :

MSVOA_X

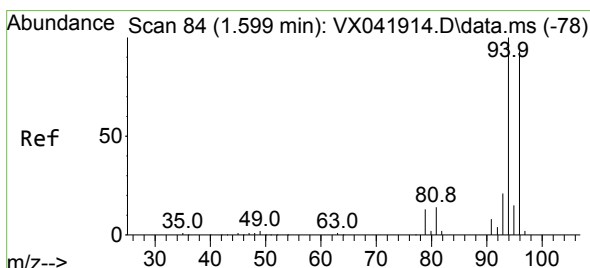
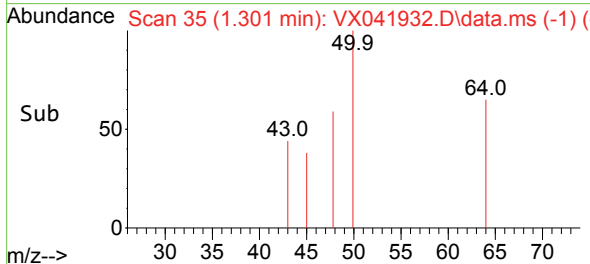
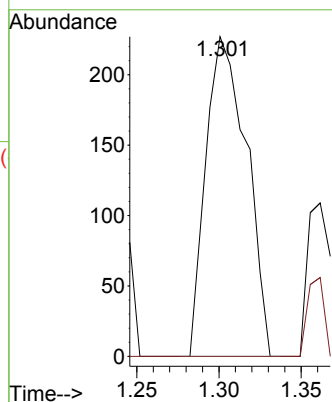
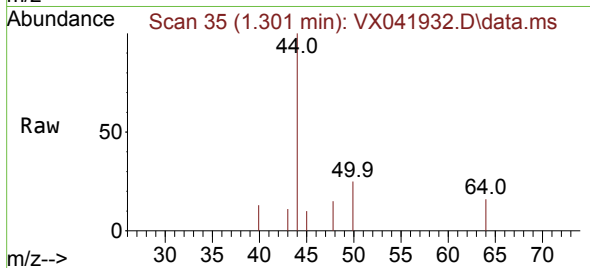
ClientSampleId :

Tgt Ion: 50 Resp: 390

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#



#5

Bromomethane

Concen: 0.333 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.000 min

Lab File: VX041932.D

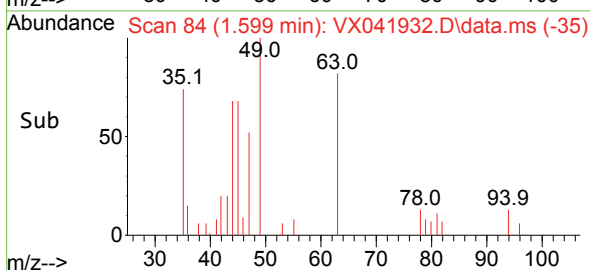
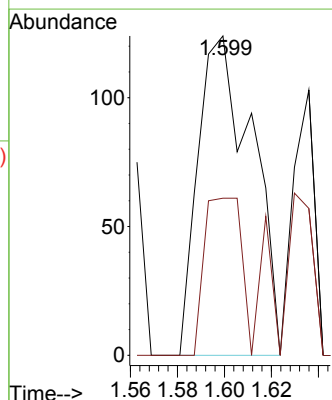
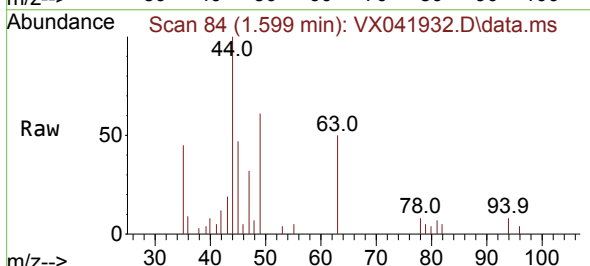
Acq: 18 Jun 2024 18:46

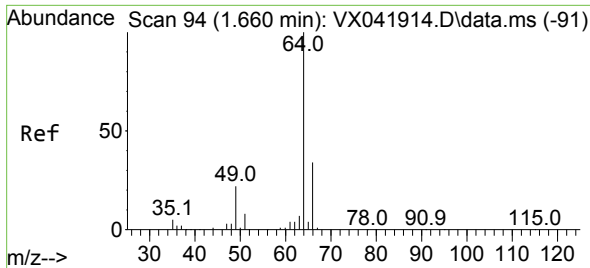
Tgt Ion: 94 Resp: 198

Ion Ratio Lower Upper

94 100

96 49.2 74.6 111.8#

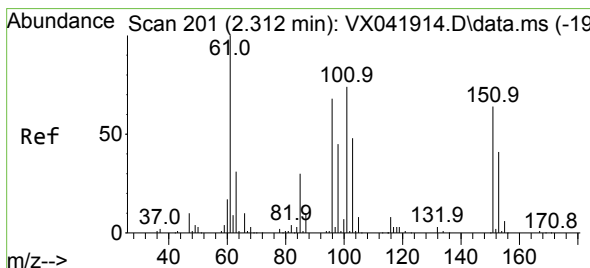
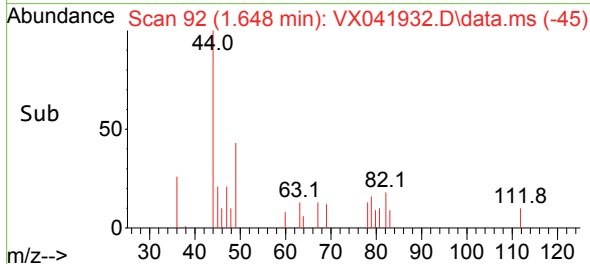
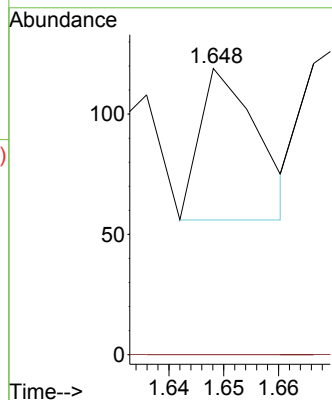
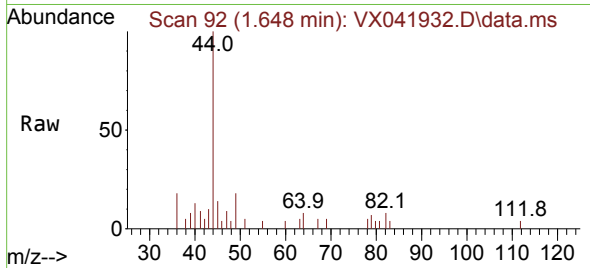




#6
Chloroethane
Concen: Below Cal
RT: 1.648 min Scan# 91
Delta R.T. -0.012 min
Lab File: VX041932.D
Acq: 18 Jun 2024 18:46

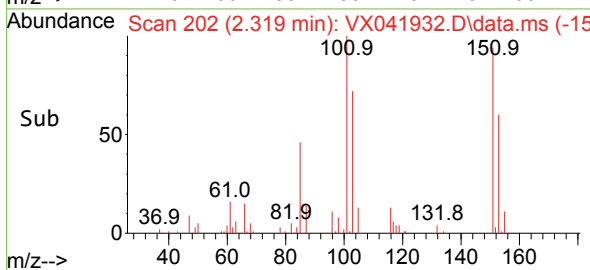
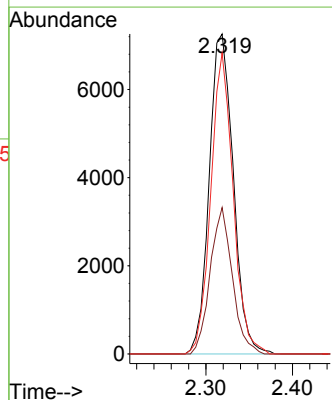
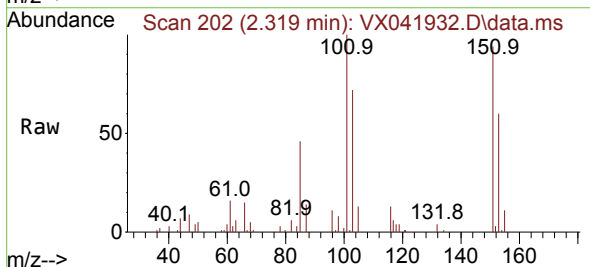
Instrument :
MSVOA_X
ClientSampleId :

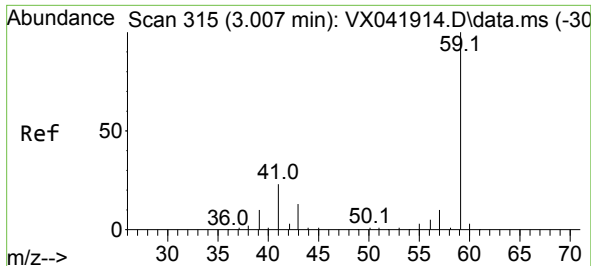
Tgt Ion: 64 Resp: 47
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 12.876 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX041932.D
Acq: 18 Jun 2024 18:46

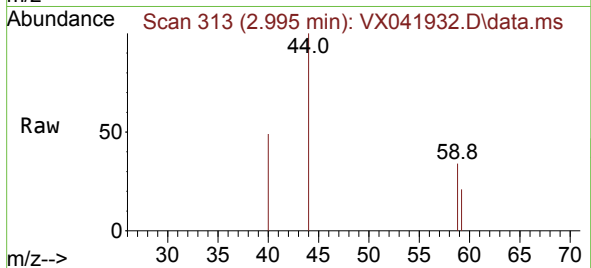
Tgt Ion: 101 Resp: 14013
Ion Ratio Lower Upper
101 100
85 42.3 37.0 55.6
151 87.5 58.6 87.8



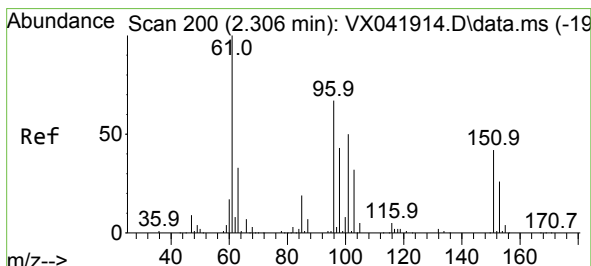
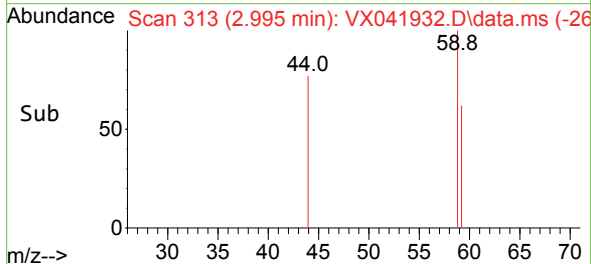
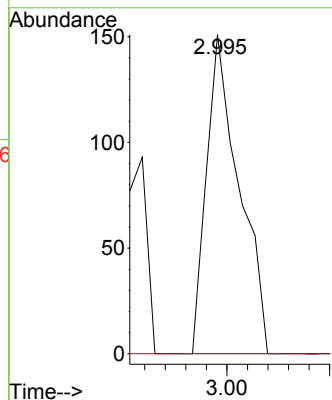


#11
Tert butyl alcohol
Concen: 0.603 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.012 min
Lab File: VX041932.D
Acq: 18 Jun 2024 18:46

Instrument :
MSVOA_X
ClientSampleId :

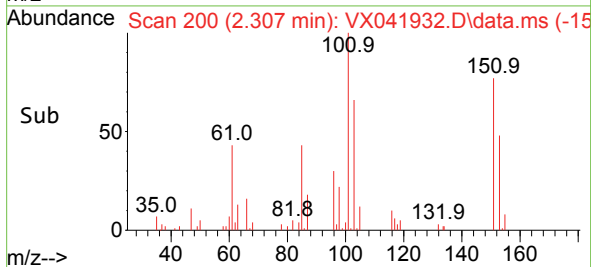
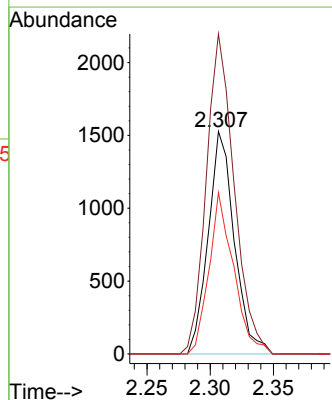
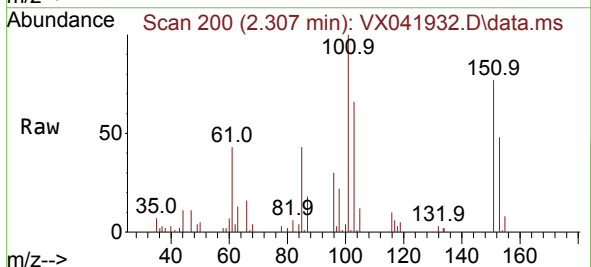


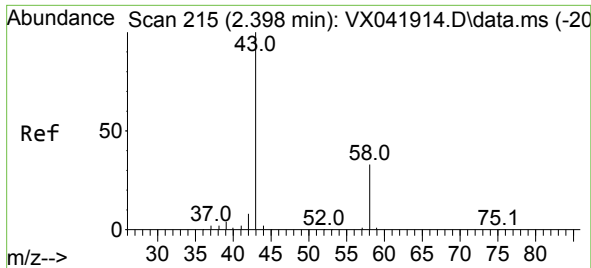
Tgt Ion: 59 Resp: 166
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 2.028 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX041932.D
Acq: 18 Jun 2024 18:46

Tgt Ion: 96 Resp: 2201
Ion Ratio Lower Upper
96 100
61 143.8 144.6 216.8#
98 72.6 50.4 75.6

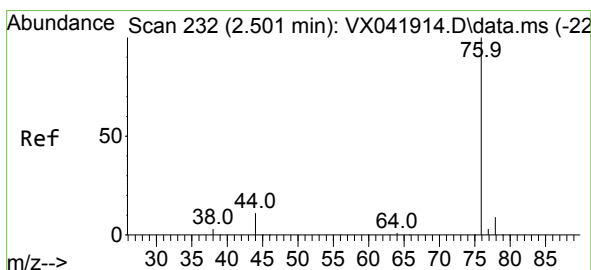
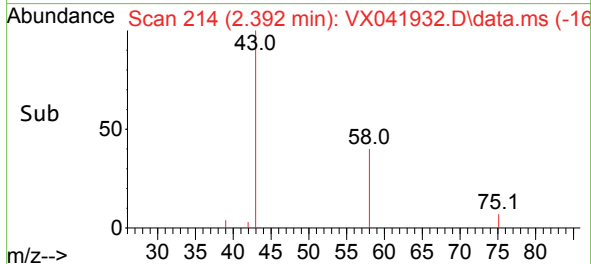
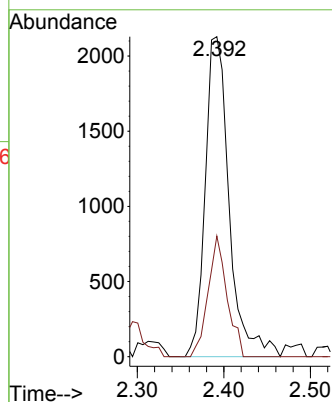
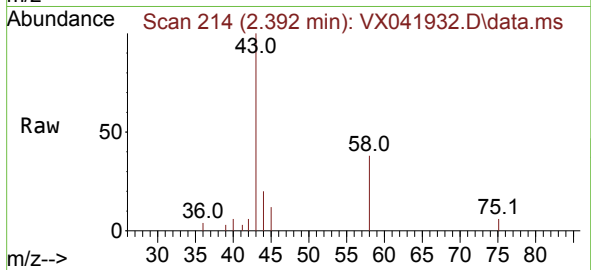




#16
Acetone
Concen: 6.401 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX041932.D
Acq: 18 Jun 2024 18:46

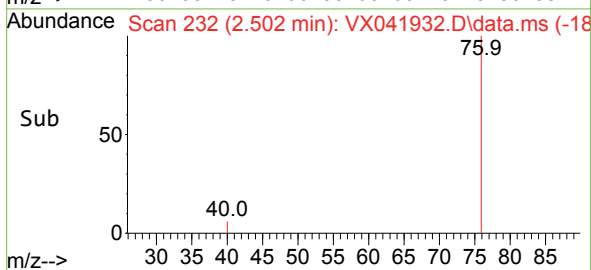
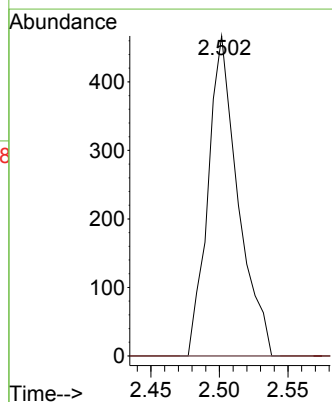
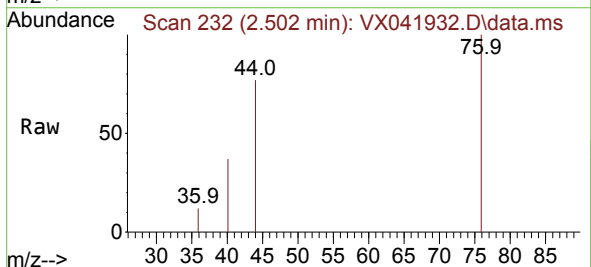
Instrument :
MSVOA_X
ClientSampleId :

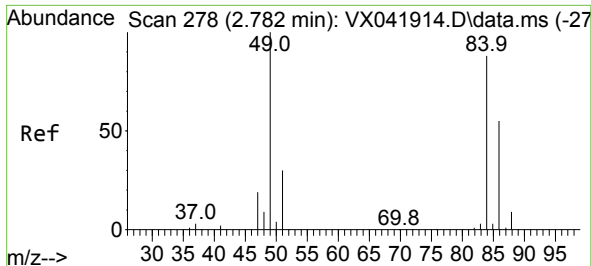
Tgt Ion: 43 Resp: 4079
Ion Ratio Lower Upper
43 100
58 37.7 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.322 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX041932.D
Acq: 18 Jun 2024 18:46

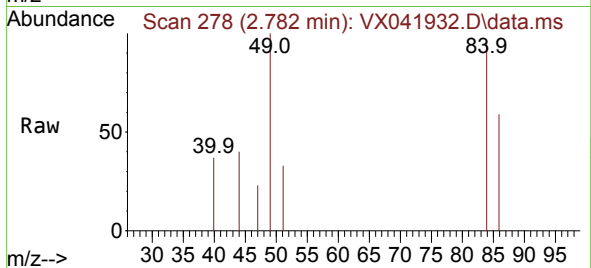
Tgt Ion: 76 Resp: 713
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



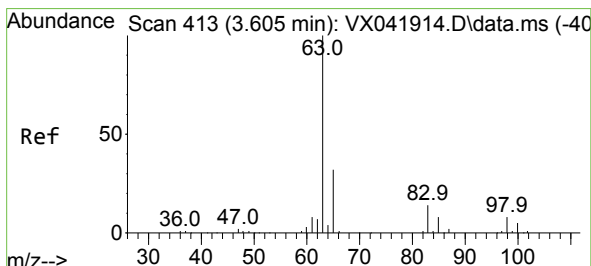
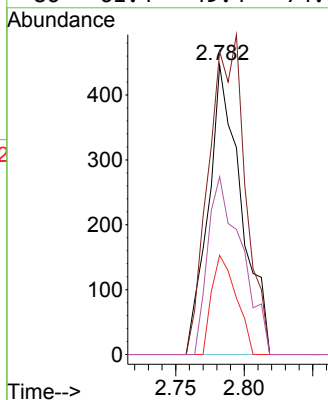
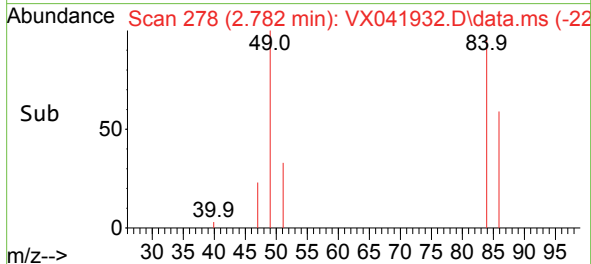


#20
Methylene Chloride
Concen: 0.534 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041932.D
Acq: 18 Jun 2024 18:46

Instrument :
MSVOA_X
ClientSampleId :

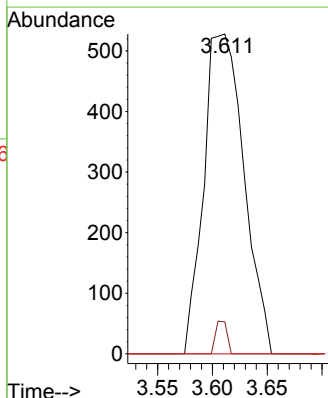
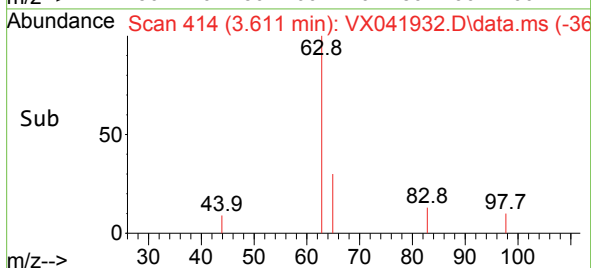
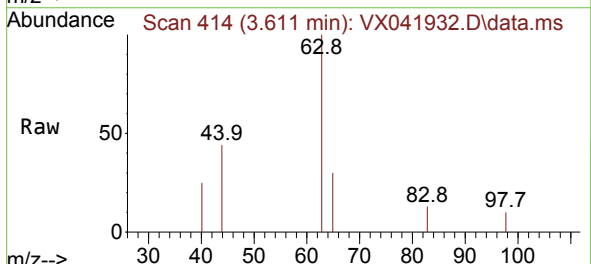


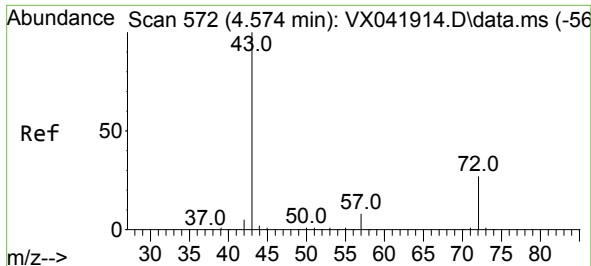
Tgt Ion:	84	Resp:	745
Ion	Ratio	Lower	Upper
84	100		
49	104.7	103.6	155.4
51	34.3	33.8	50.6
86	61.4	49.4	74.0



#24
1,1-Dichloroethane
Concen: 0.662 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX041932.D
Acq: 18 Jun 2024 18:46

Tgt Ion:	63	Resp:	1349
Ion	Ratio	Lower	Upper
63	100		
98	10.0	3.3	9.8#
100	0.0	2.1	6.5#

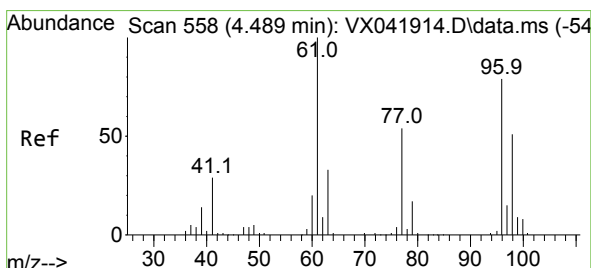
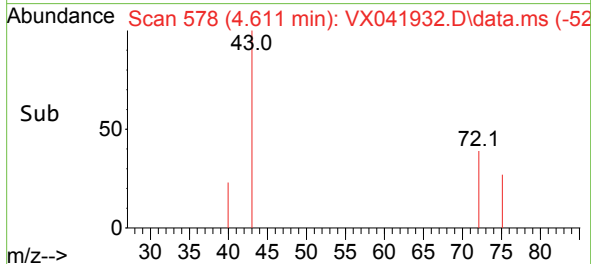
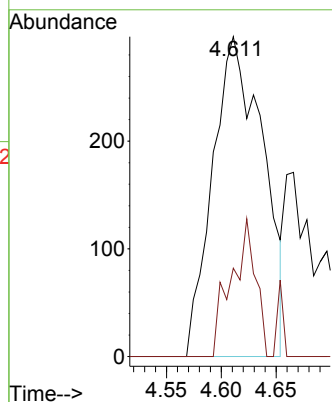
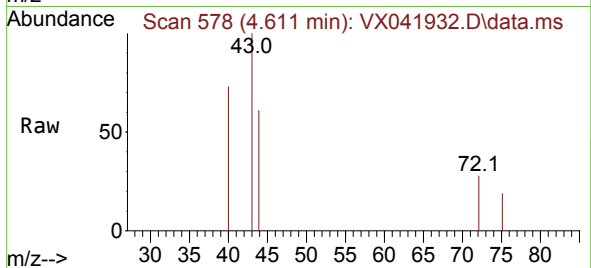




#25
2-Butanone
Concen: 0.957 ug/l
RT: 4.611 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX041932.D
Acq: 18 Jun 2024 18:46

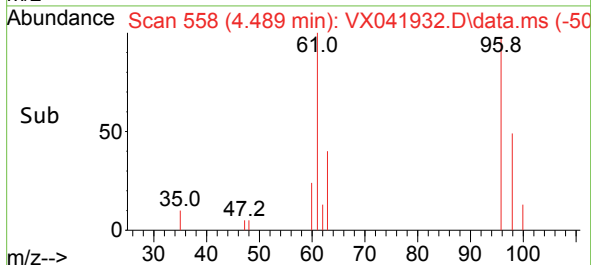
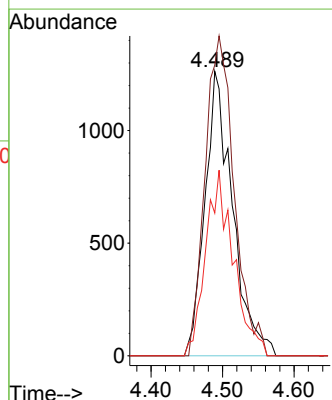
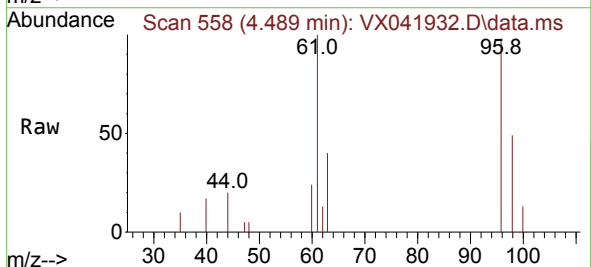
Instrument :
MSVOA_X
ClientSampleId :

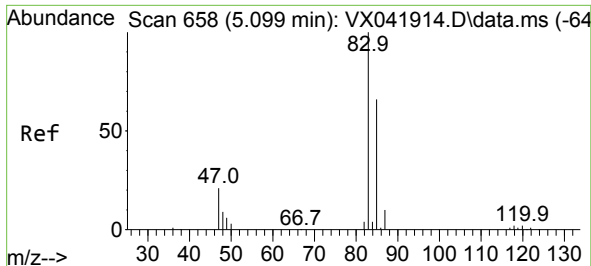
Tgt Ion: 43 Resp: 949
Ion Ratio Lower Upper
43 100
72 27.6 19.4 29.2



#27
cis-1,2-Dichloroethene
Concen: 2.461 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX041932.D
Acq: 18 Jun 2024 18:46

Tgt Ion: 96 Resp: 3396
Ion Ratio Lower Upper
96 100
61 118.4 0.0 312.2
98 65.3 0.0 129.0

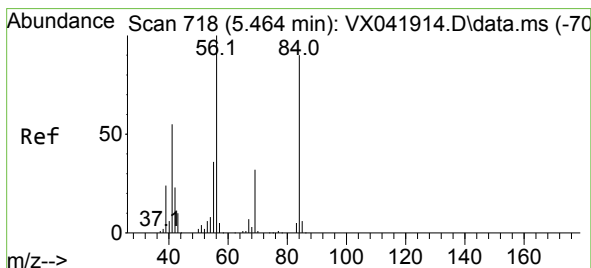
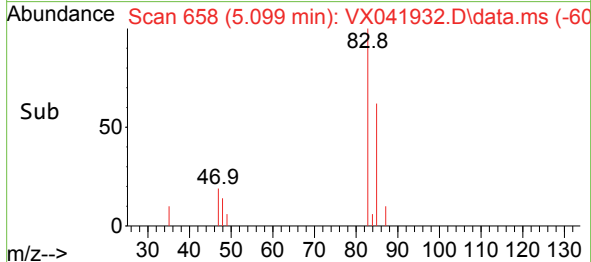
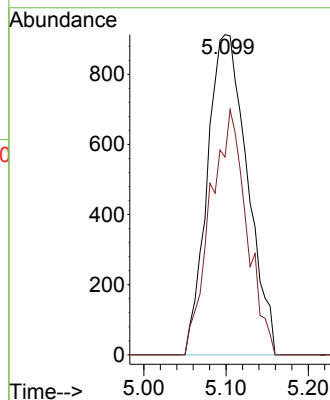
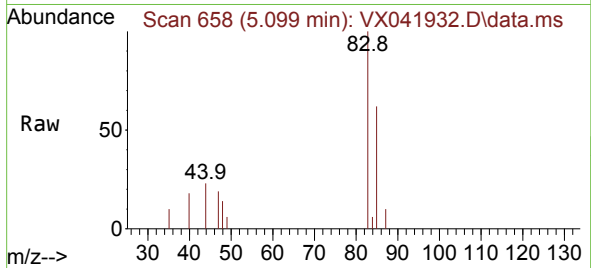




#30
Chloroform
Concen: 1.453 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041932.D
Acq: 18 Jun 2024 18:46

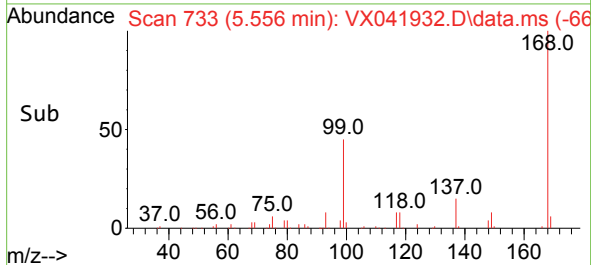
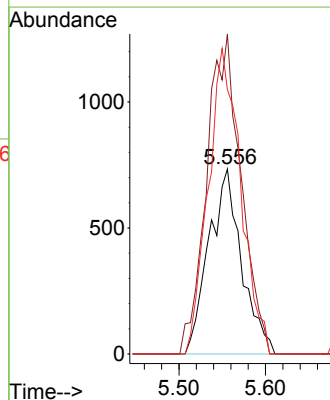
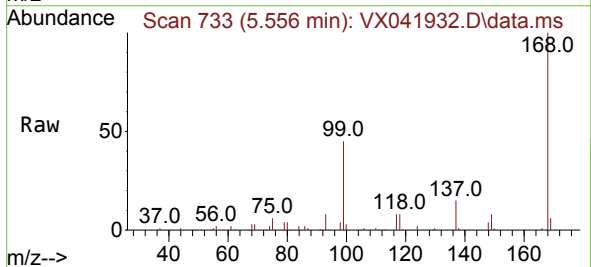
Instrument :
MSVOA_X
ClientSampleId :

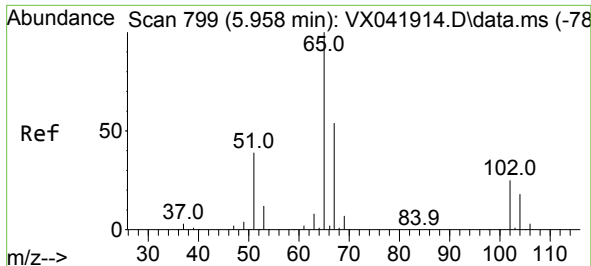
Tgt Ion: 83 Resp: 3086
Ion Ratio Lower Upper
83 100
85 61.8 50.3 75.5



#31
Cyclohexane
Concen: 1.135 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.092 min
Lab File: VX041932.D
Acq: 18 Jun 2024 18:46

Tgt Ion: 56 Resp: 1926
Ion Ratio Lower Upper
56 100
69 173.0 23.4 35.2#
84 143.1 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.580 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX041932.D

Acq: 18 Jun 2024 18:46

Instrument :

MSVOA_X

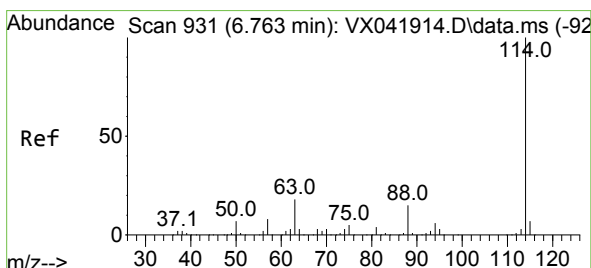
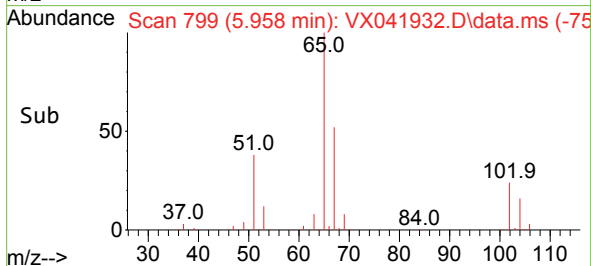
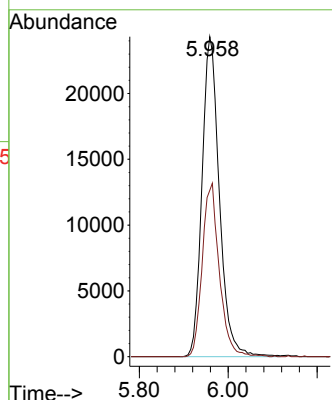
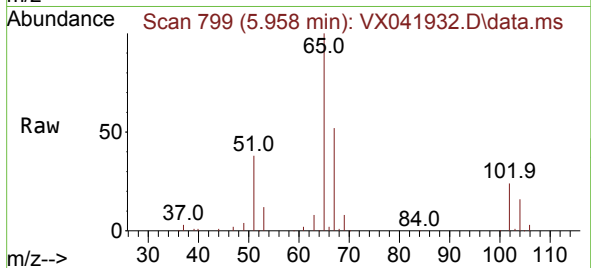
ClientSampleId :

Tgt Ion: 65 Resp: 66153

Ion Ratio Lower Upper

65 100

67 52.9 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX041932.D

Acq: 18 Jun 2024 18:46

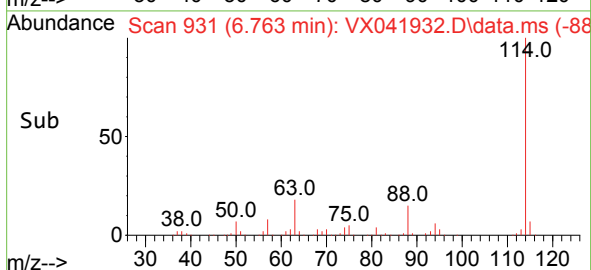
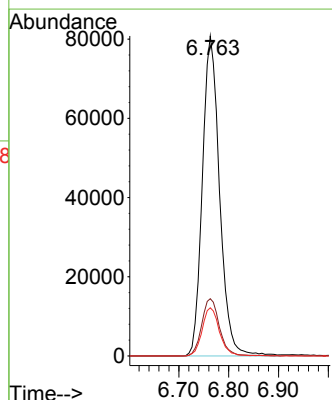
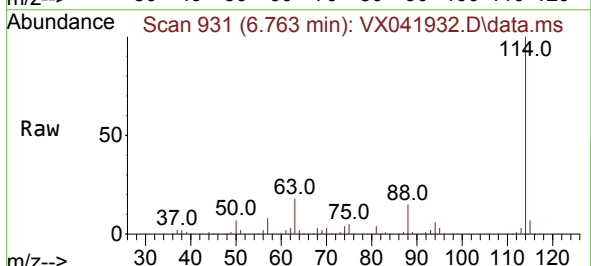
Tgt Ion: 114 Resp: 194004

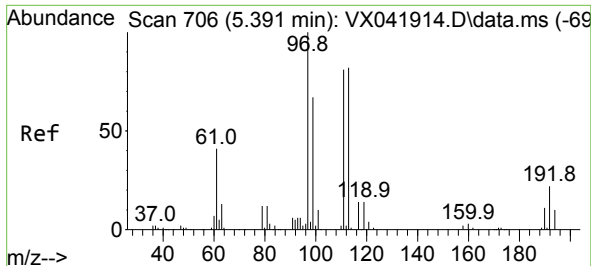
Ion Ratio Lower Upper

114 100

63 17.9 0.0 45.0

88 15.1 0.0 36.6

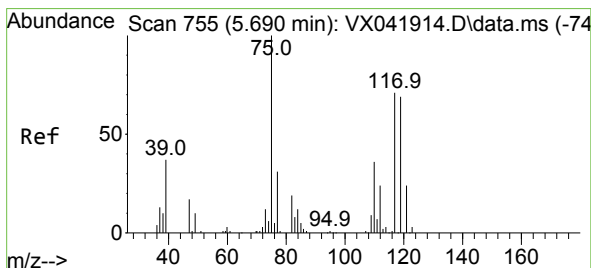
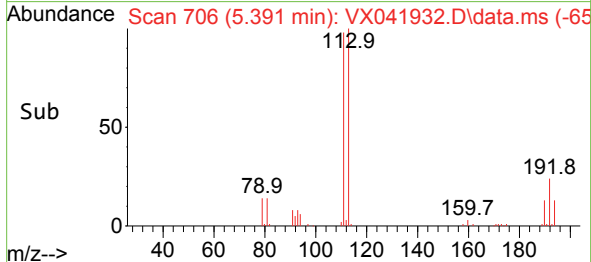
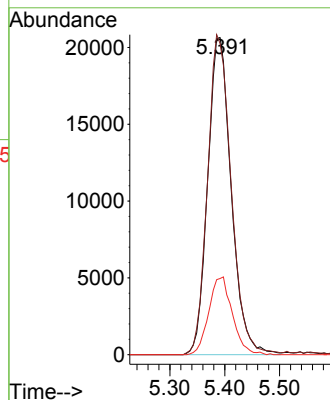
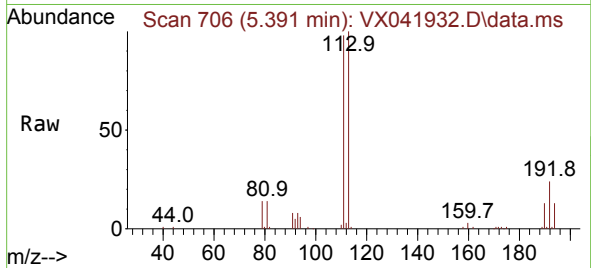




#35
Dibromofluoromethane
Concen: 44.677 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX041932.D
Acq: 18 Jun 2024 18:46

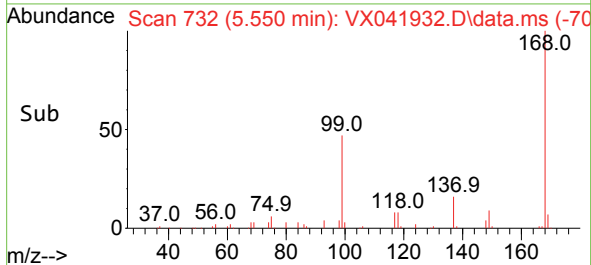
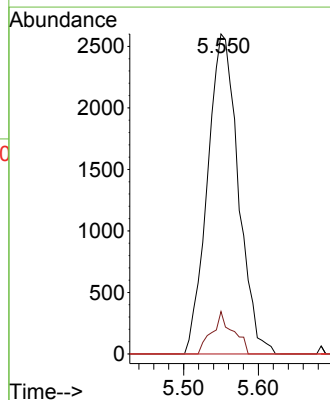
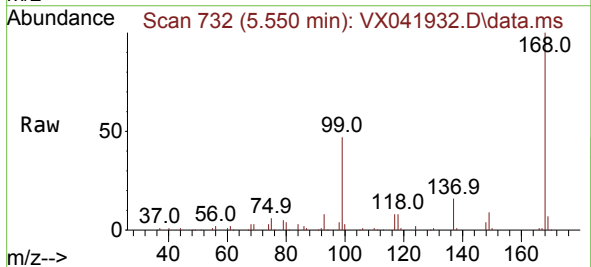
Instrument :
MSVOA_X
ClientSampleId :

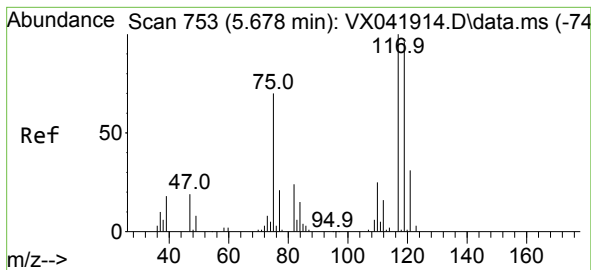
Tgt Ion:113 Resp: 61501
Ion Ratio Lower Upper
113 100
111 101.5 82.9 124.3
192 24.6 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 5.112 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041932.D
Acq: 18 Jun 2024 18:46

Tgt Ion: 75 Resp: 7473
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 0.539 ug/l

RT: 5.672 min Scan# 71

Delta R.T. -0.006 min

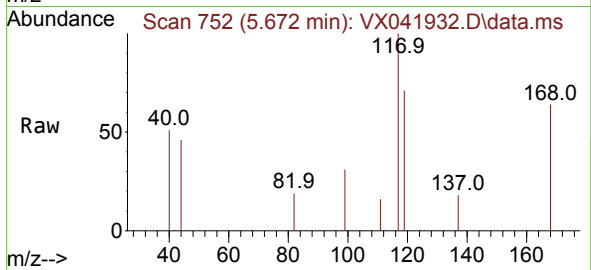
Lab File: VX041932.D

Acq: 18 Jun 2024 18:46

Instrument :

MSVOA_X

ClientSampleId :



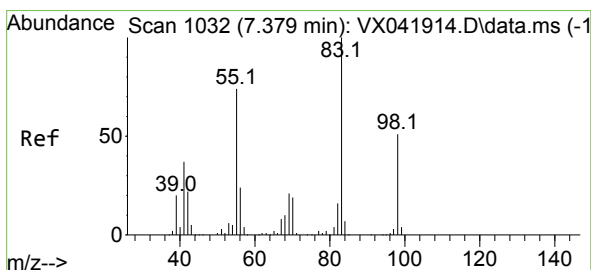
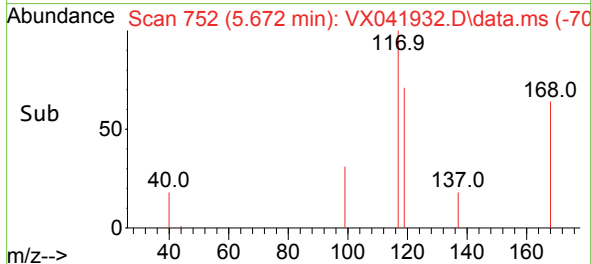
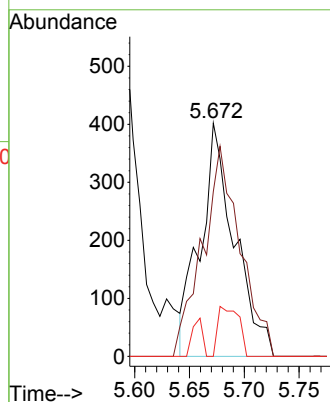
Tgt Ion:117 Resp: 871

Ion Ratio Lower Upper

117 100

119 70.6 78.2 117.2#

121 0.0 24.4 36.6#



#39

Methylcyclohexane

Concen: 1.975 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.250 min

Lab File: VX041932.D

Acq: 18 Jun 2024 18:46

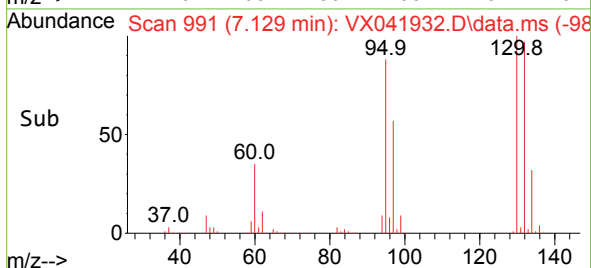
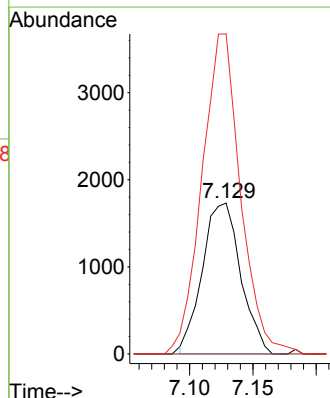
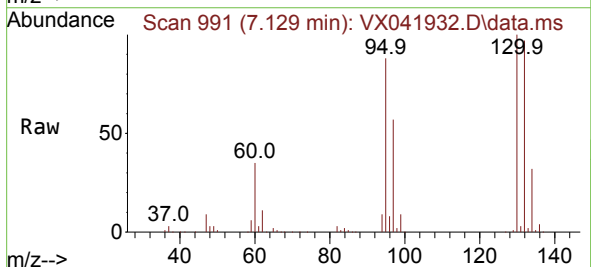
Tgt Ion: 83 Resp: 3651

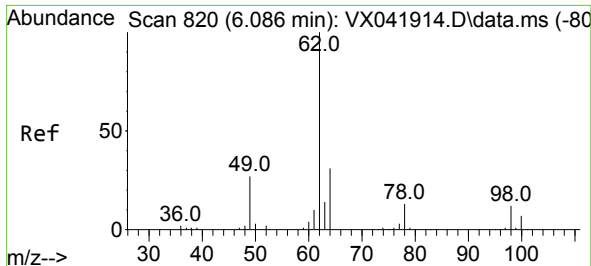
Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 205.9 36.7 55.1#





#42

1,2-Dichloroethane

Concen: 0.231 ug/l

RT: 6.105 min Scan# 81

Delta R.T. 0.018 min

Lab File: VX041932.D

Acq: 18 Jun 2024 18:46

Instrument :

MSVOA_X

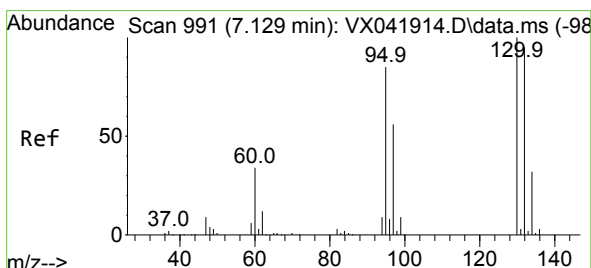
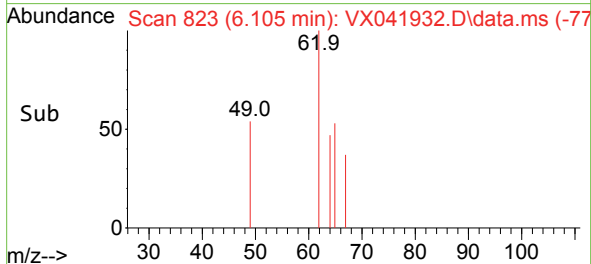
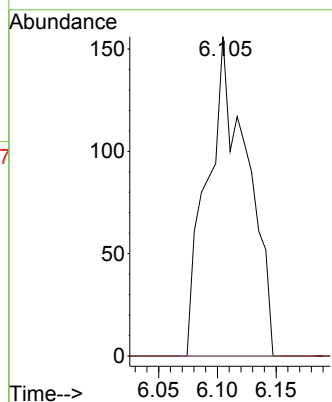
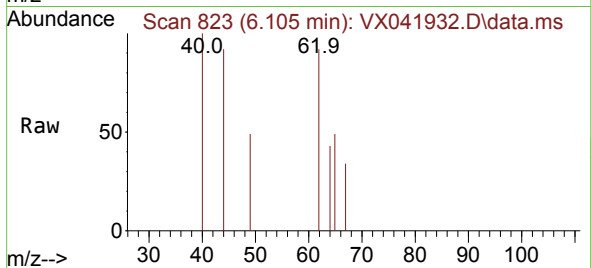
ClientSampleId :

Tgt Ion: 62 Resp: 367

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#44

Trichloroethene

Concen: 263.698 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX041932.D

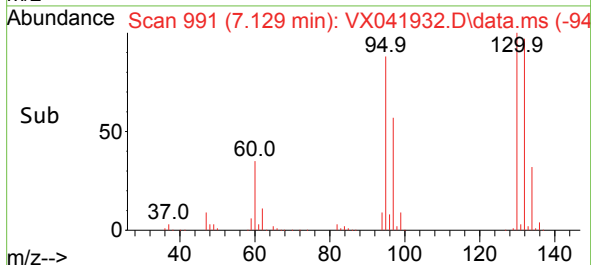
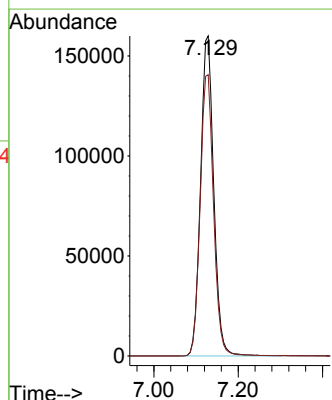
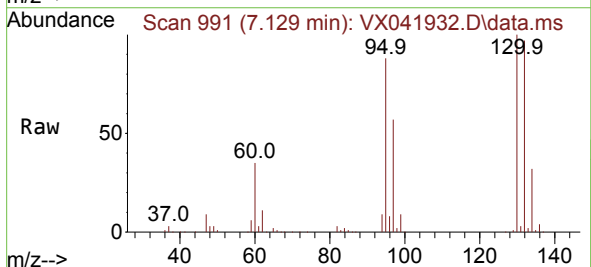
Acq: 18 Jun 2024 18:46

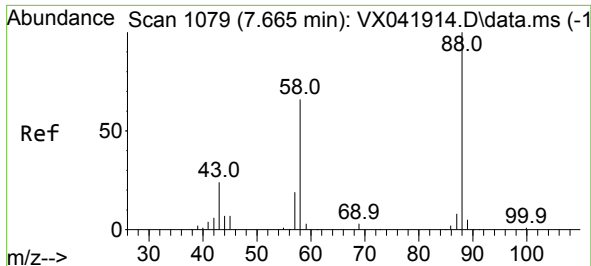
Tgt Ion:130 Resp: 348476

Ion Ratio Lower Upper

130 100

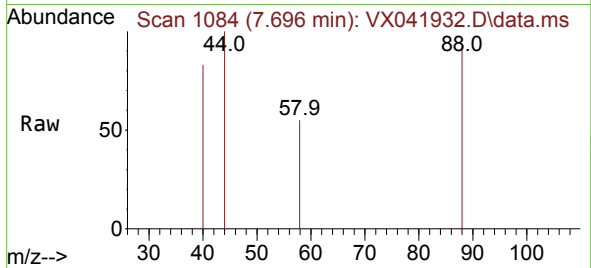
95 87.9 0.0 204.4



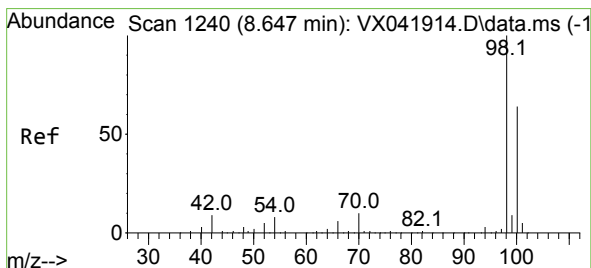
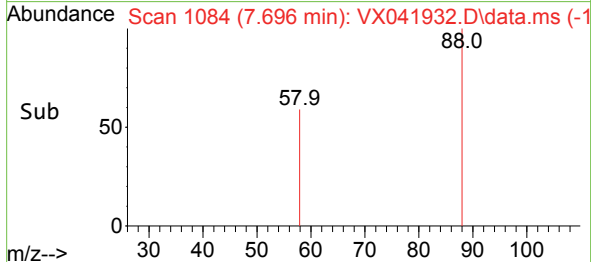
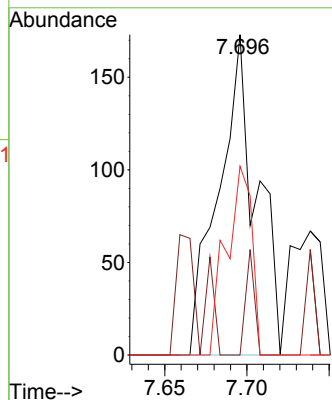


#49
1,4-Dioxane
Concen: 27.313 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.031 min
Lab File: VX041932.D
Acq: 18 Jun 2024 18:46

Instrument :
MSVOA_X
ClientSampleId :

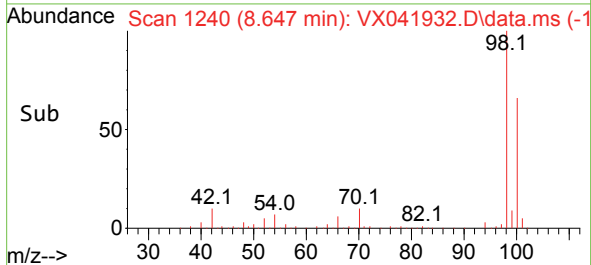
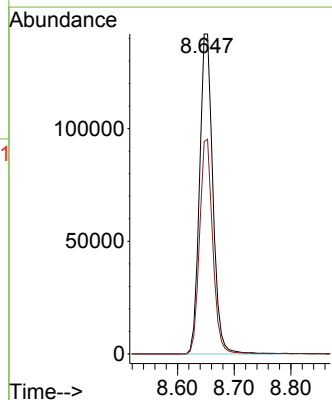
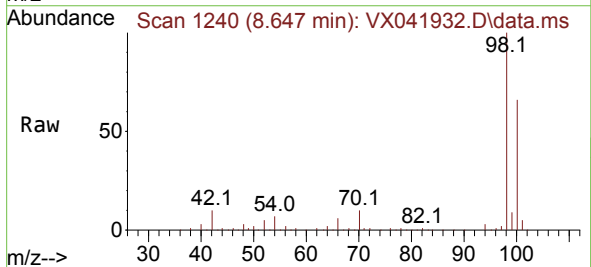


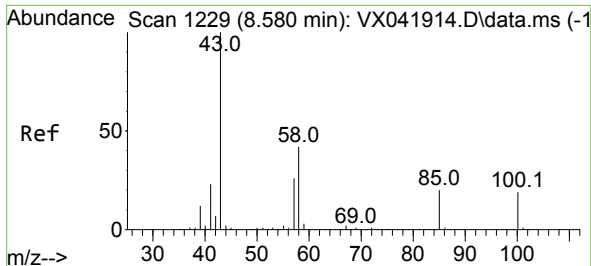
Tgt Ion: 88 Resp: 278
Ion Ratio Lower Upper
88 100
43 7.6 0.0 0.0#
58 39.6 60.1 90.1#



#50
Toluene-d8
Concen: 47.792 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041932.D
Acq: 18 Jun 2024 18:46

Tgt Ion: 98 Resp: 231120
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.432 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX041932.D

Acq: 18 Jun 2024 18:46

Instrument :

MSVOA_X

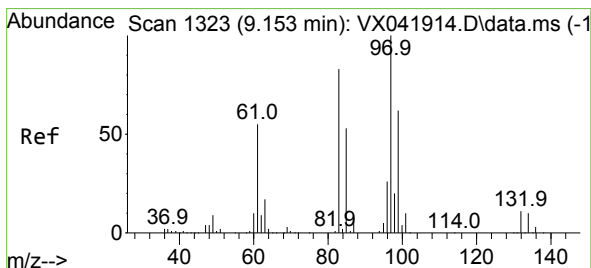
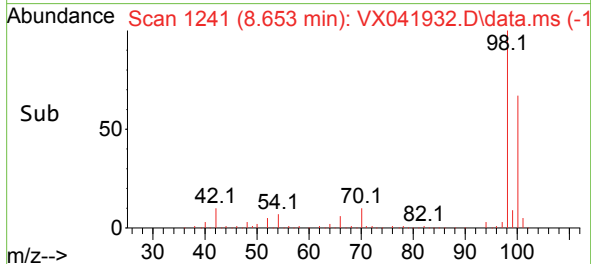
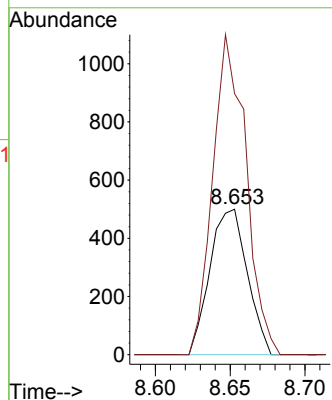
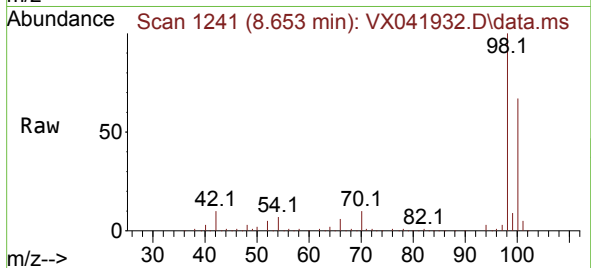
ClientSampleId :

Tgt Ion: 43 Resp: 869

Ion Ratio Lower Upper

43 100

58 196.0 30.4 45.6#



#55

1,1,2-Trichloroethane

Concen: 1.037 ug/l

RT: 9.159 min Scan# 1324

Delta R.T. 0.006 min

Lab File: VX041932.D

Acq: 18 Jun 2024 18:46

Tgt Ion: 97 Resp: 1356

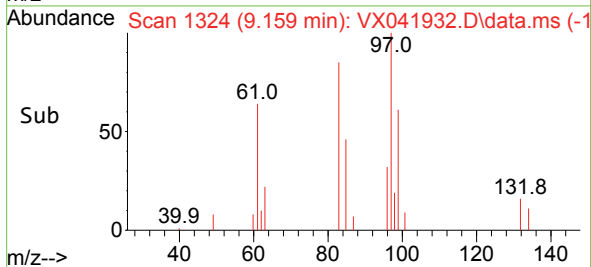
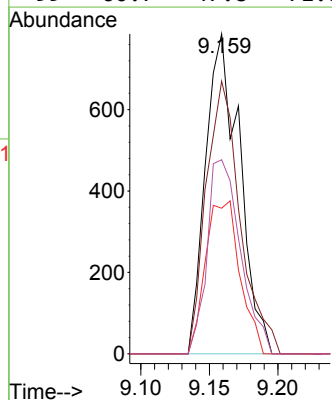
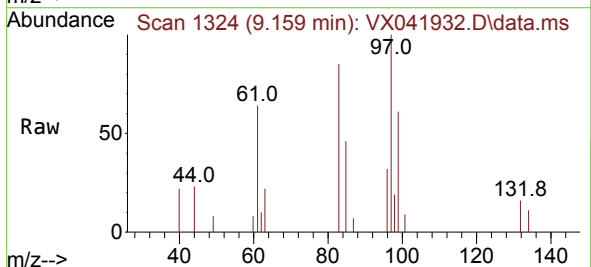
Ion Ratio Lower Upper

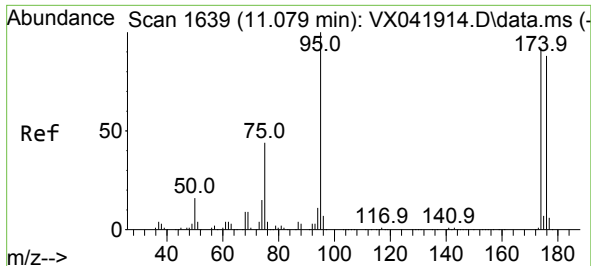
97 100

83 85.2 65.8 98.8

85 45.5 41.6 62.4

99 60.7 47.8 71.8

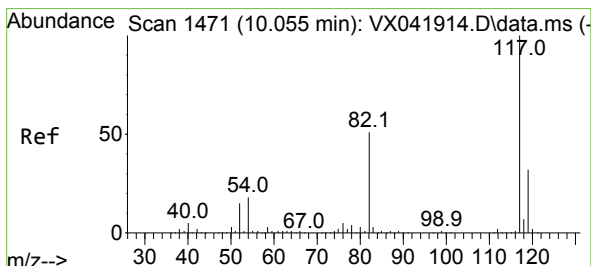
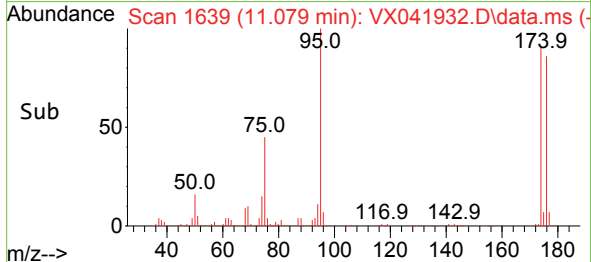
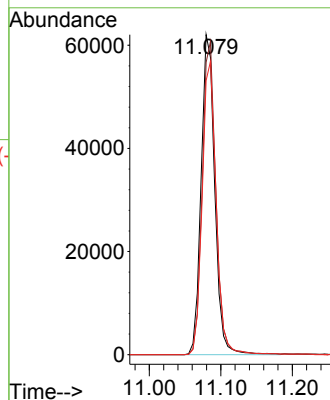
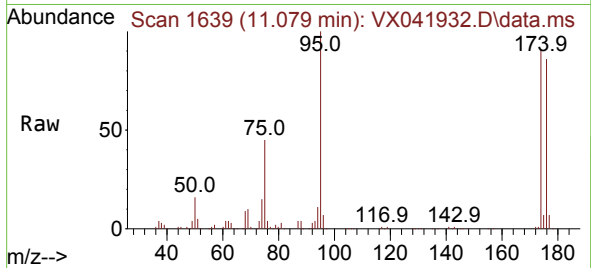




#62
4-Bromofluorobenzene
Concen: 46.137 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX041932.D
Acq: 18 Jun 2024 18:46

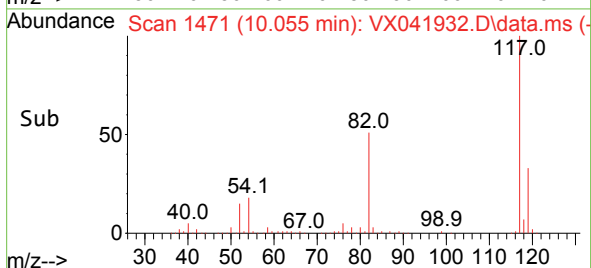
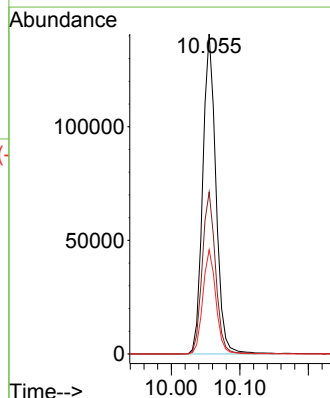
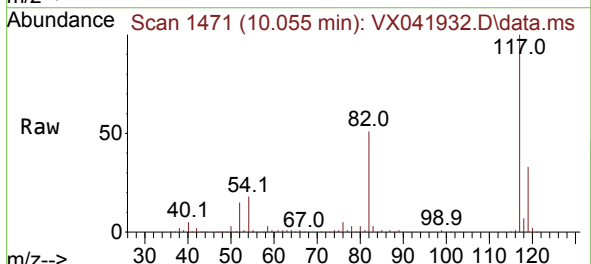
Instrument :
MSVOA_X
ClientSampleId :

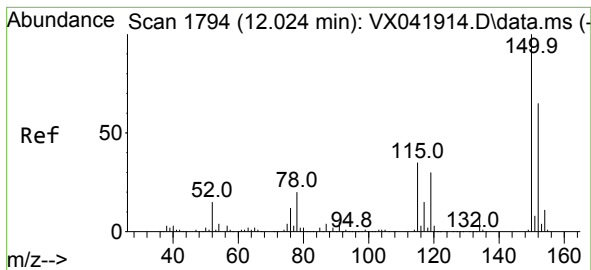
Tgt Ion: 95 Resp: 82245
Ion Ratio Lower Upper
95 100
174 98.3 0.0 135.6
176 94.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041932.D
Acq: 18 Jun 2024 18:46

Tgt Ion: 117 Resp: 189276
Ion Ratio Lower Upper
117 100
82 50.6 46.2 69.4
119 32.5 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: VX041932.D

Acq: 18 Jun 2024 18:46

Instrument :

MSVOA_X

ClientSampleId :

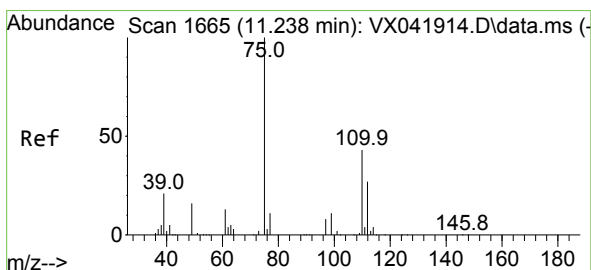
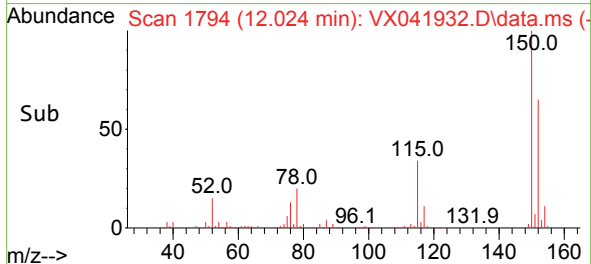
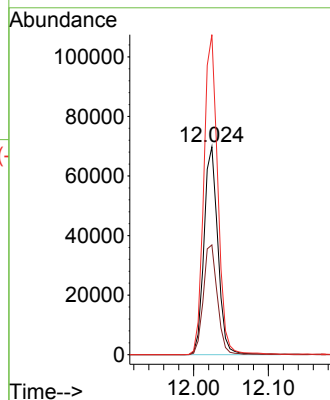
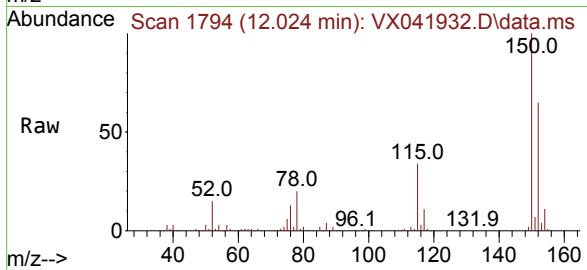
Tgt Ion:152 Resp: 89912

Ion Ratio Lower Upper

152 100

115 53.5 43.3 129.9

150 155.1 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.691 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041932.D

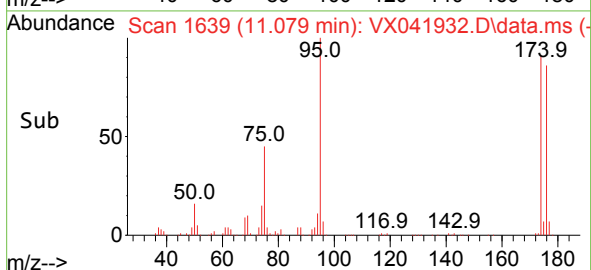
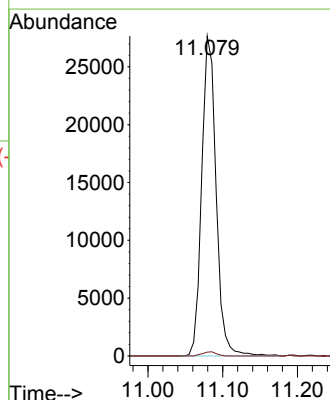
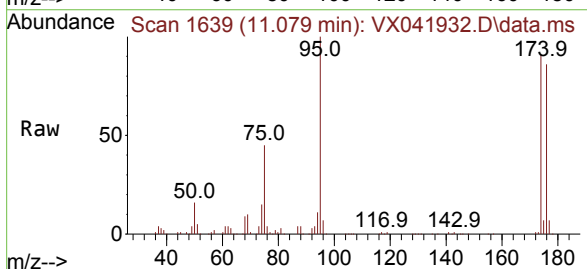
Acq: 18 Jun 2024 18:46

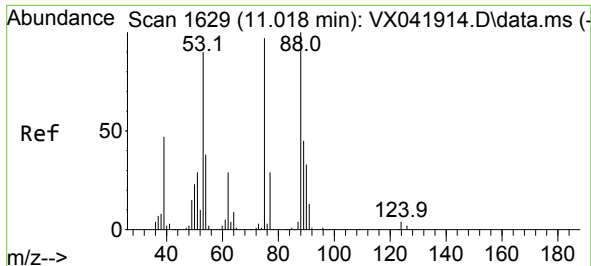
Tgt Ion: 75 Resp: 37038

Ion Ratio Lower Upper

75 100

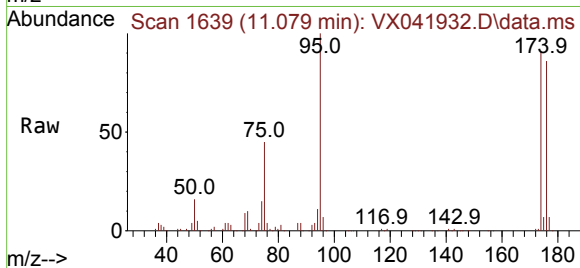
77 1.3 19.1 57.5#



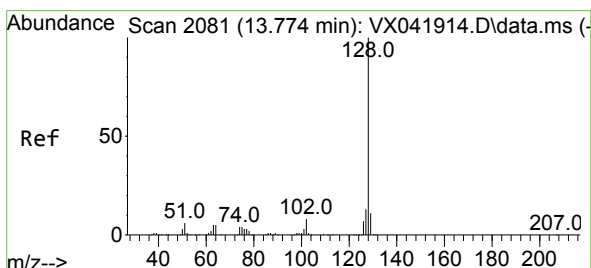
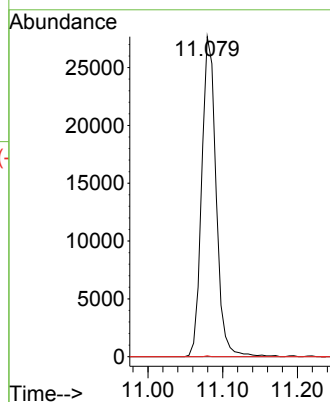
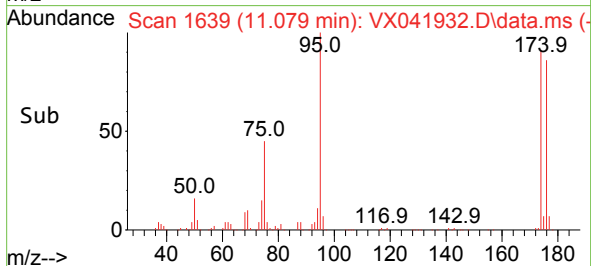


#81
trans-1,4-Dichloro-2-butene
Concen: 64.441 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041932.D
Acq: 18 Jun 2024 18:46

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 37038
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#



#95
Naphthalene
Concen: 0.796 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX041932.D
Acq: 18 Jun 2024 18:46

Tgt Ion: 128 Resp: 313
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

