

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070324\
 Data File : VX042162.D
 Acq On : 03 Jul 2024 14:25
 Operator : JC/MD
 Sample : P3156-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 04 07:25:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

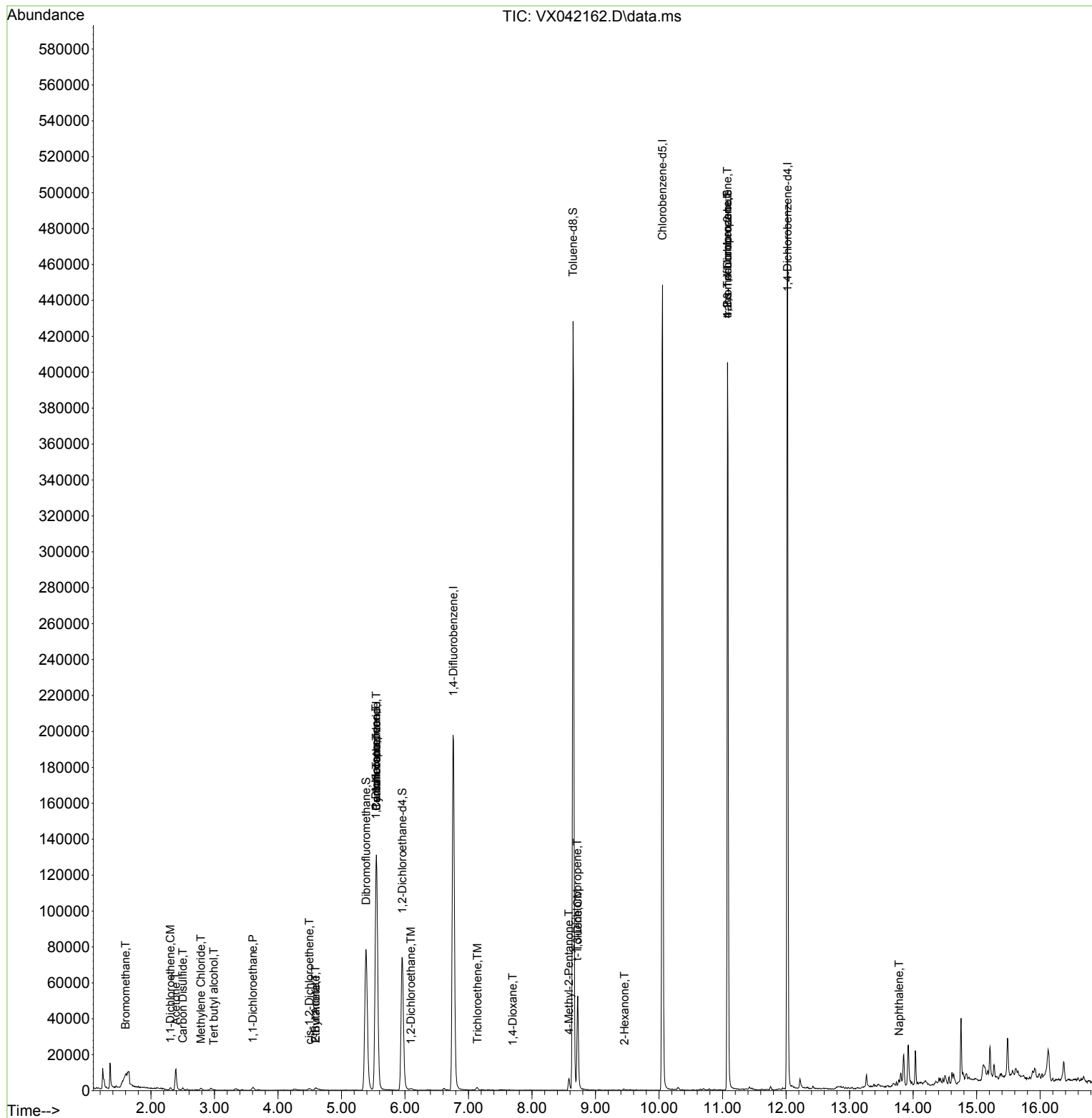
Internal Standards						
1) Pentafluorobenzene	5.550	168	145931	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	225424	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	122250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	71449	42.459	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.920%		
35) Dibromofluoromethane	5.385	113	70633	44.159	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.320%		
50) Toluene-d8	8.647	98	266313	47.394	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.780%		
62) 4-Bromofluorobenzene	11.079	95	105355	50.863	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.720%		
Target Compounds						
						Qvalue
5) Bromomethane	1.599	94	402	0.582	ug/l	85
6) Chloroethane	1.654	64	33	Below Cal	#	43
11) Tert butyl alcohol	2.989	59	469	1.469	ug/l	# 78
12) 1,1-Dichloroethene	2.307	96	466	0.370	ug/l	# 68
16) Acetone	2.392	43	12921	17.487	ug/l	# 89
17) Carbon Disulfide	2.502	76	1717	0.669	ug/l	98
20) Methylene Chloride	2.788	84	706	0.436	ug/l	# 73
24) 1,1-Dichloroethane	3.605	63	2001	0.847	ug/l	# 83
25) 2-Butanone	4.593	43	3133	2.725	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	672	0.420	ug/l	88
31) Cyclohexane	5.550	56	2073	1.053	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	8615	5.072	ug/l	# 50
37) Ethyl Acetate	4.593	43	3133	1.416	ug/l	# 69
38) Carbon Tetrachloride	5.550	117	12004	6.396	ug/l	# 17
42) 1,2-Dichloroethane	6.092	62	1118	0.606	ug/l	# 77
44) Trichloroethene	7.141	130	749	0.488	ug/l	64
49) 1,4-Dioxane	7.696	88	19	20.366	ug/l	# 12
51) 4-Methyl-2-Pentanone	8.580	43	4408	1.884	ug/l	98
52) Toluene	8.720	92	21747	5.962	ug/l	99
53) t-1,3-Dichloropropene	8.714	75	203	0.994	ug/l	# 1
59) 2-Hexanone	9.458	43	631	0.352	ug/l	# 31
76) 1,2,3-Trichloropropane	11.079	75	48417	21.816	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	48417	61.956	ug/l	# 5
95) Naphthalene	13.780	128	2792	1.062	ug/l	# 87

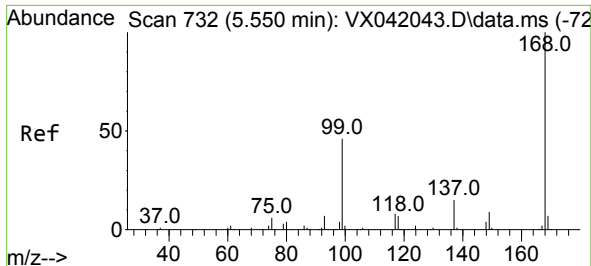
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070324\
Data File : VX042162.D
Acq On : 03 Jul 2024 14:25
Operator : JC/MD
Sample : P3156-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

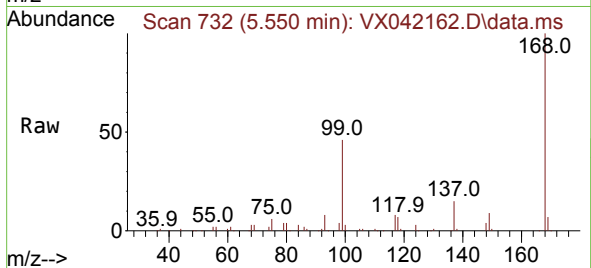
Quant Time: Jul 04 07:25:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
Response via : Initial Calibration



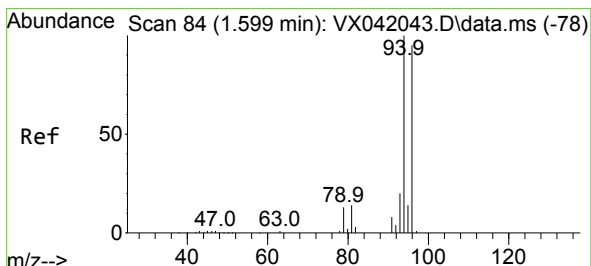
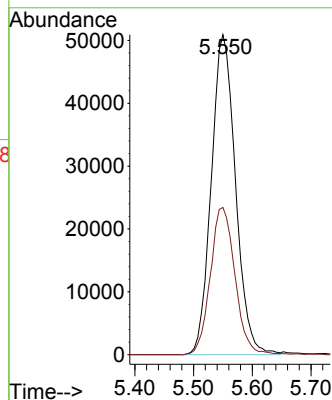
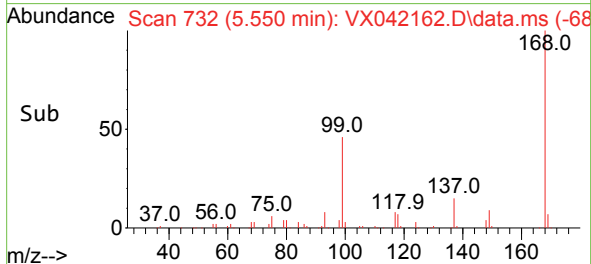


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042162.D
Acq: 03 Jul 2024 14:25

Instrument :
MSVOA_X
ClientSampleId :

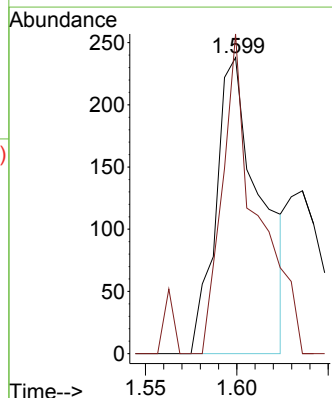
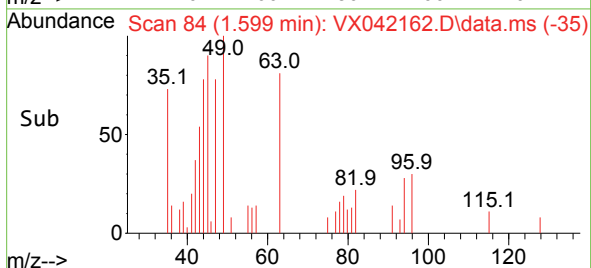
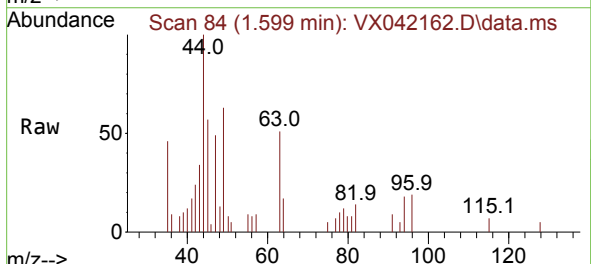


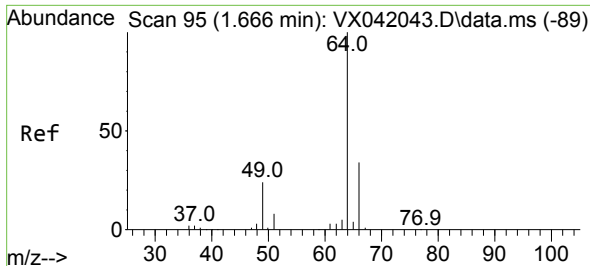
Tgt Ion:168 Resp: 145931
Ion Ratio Lower Upper
168 100
99 46.0 56.6 85.0#



#5
Bromomethane
Concen: 0.582 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX042162.D
Acq: 03 Jul 2024 14:25

Tgt Ion: 94 Resp: 402
Ion Ratio Lower Upper
94 100
96 108.0 74.6 111.8

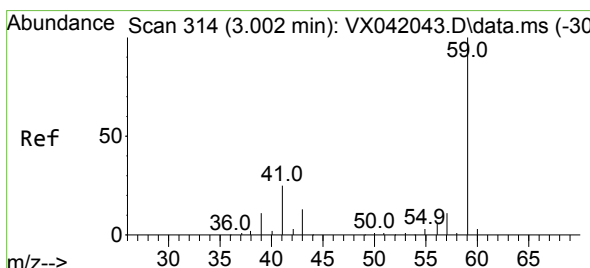
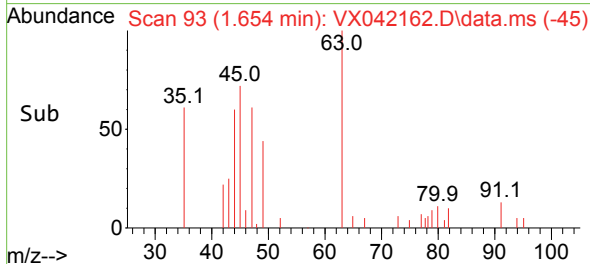
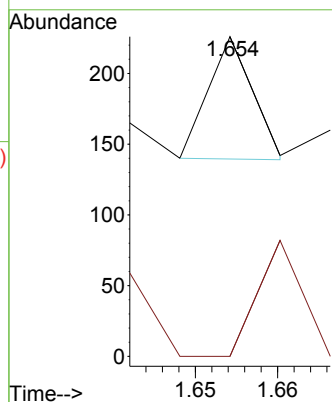
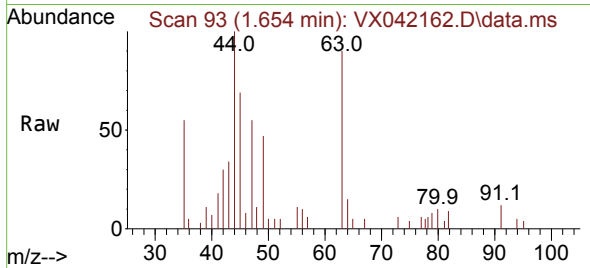




#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX042162.D
Acq: 03 Jul 2024 14:25

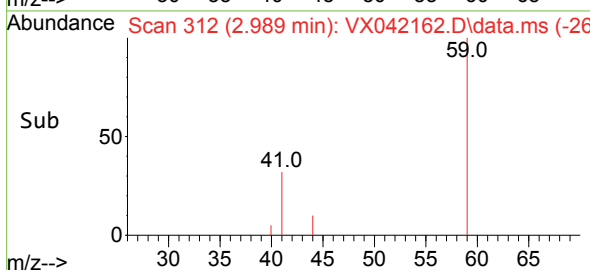
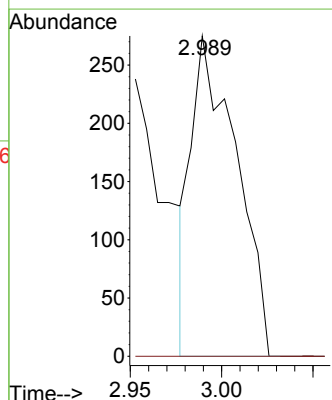
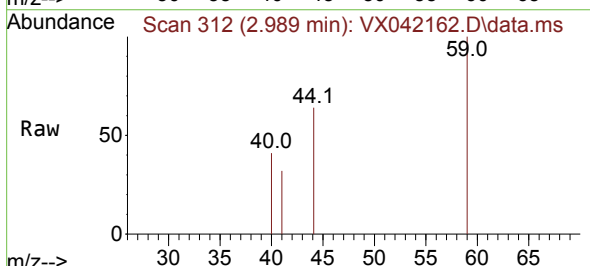
Instrument :
MSVOA_X
ClientSampleId :

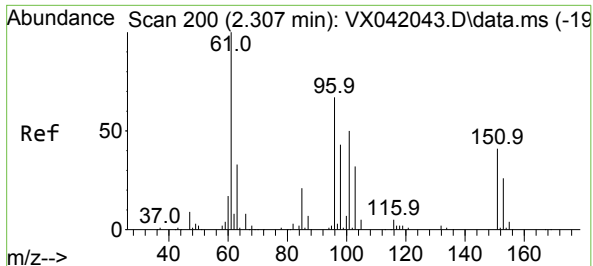
Tgt Ion: 64 Resp: 33
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 1.469 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.018 min
Lab File: VX042162.D
Acq: 03 Jul 2024 14:25

Tgt Ion: 59 Resp: 469
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 0.370 ug/l

RT: 2.307 min Scan# 200

Delta R.T. 0.000 min

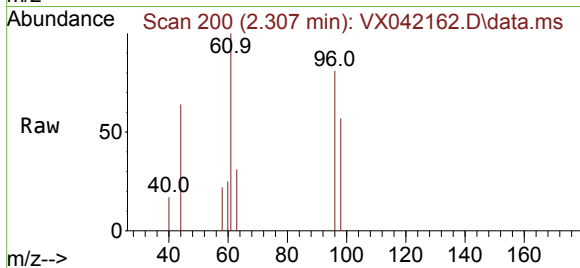
Lab File: VX042162.D

Acq: 03 Jul 2024 14:25

Instrument :

MSVOA_X

ClientSampleId :



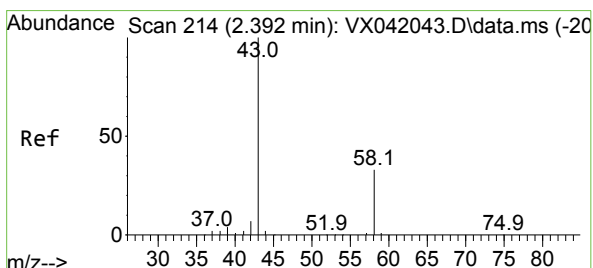
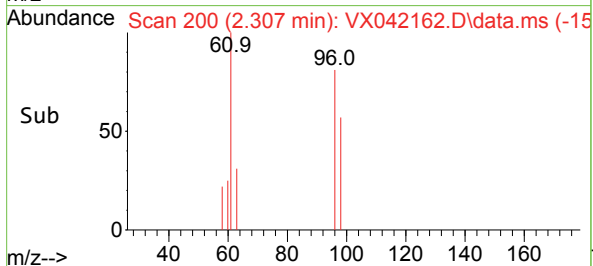
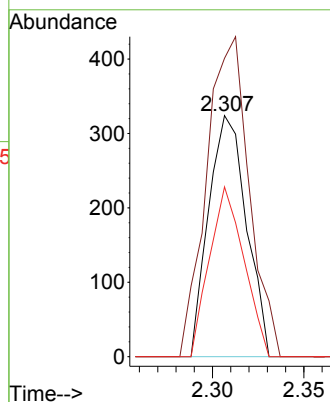
Tgt Ion: 96 Resp: 466

Ion Ratio Lower Upper

96 100

61 123.8 144.6 216.8#

98 70.4 50.4 75.6



#16

Acetone

Concen: 17.487 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX042162.D

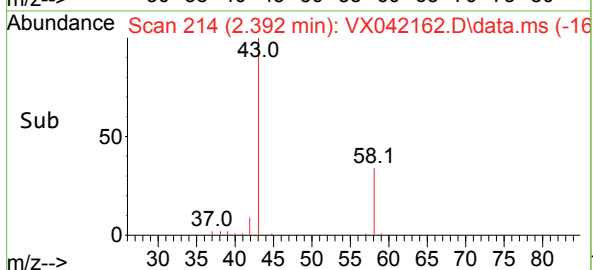
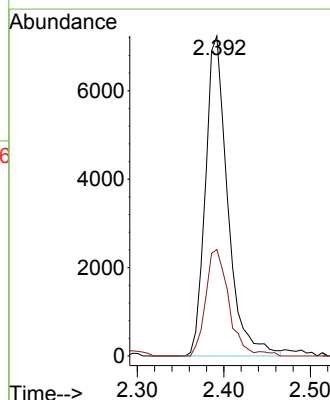
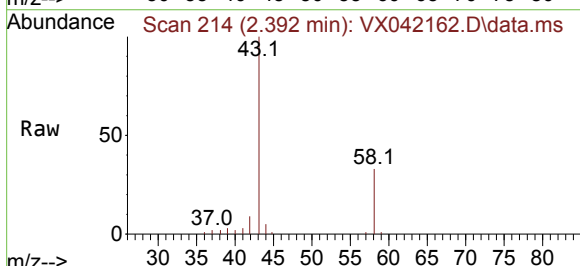
Acq: 03 Jul 2024 14:25

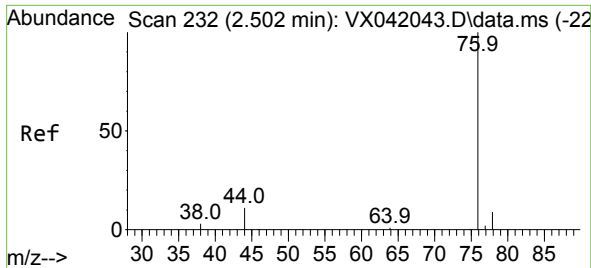
Tgt Ion: 43 Resp: 12921

Ion Ratio Lower Upper

43 100

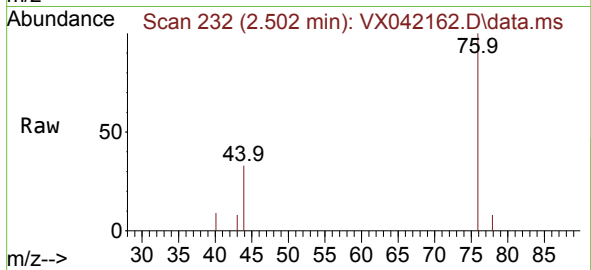
58 33.3 21.9 32.9#



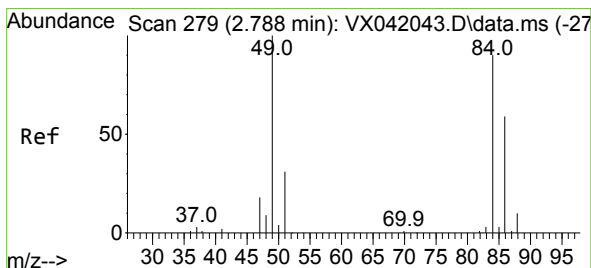
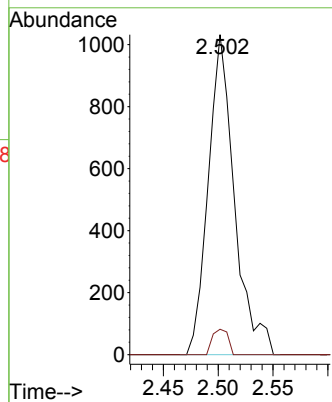
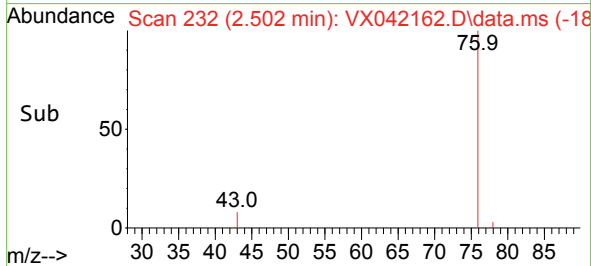


#17
Carbon Disulfide
Concen: 0.669 ug/l
RT: 2.502 min Scan# 217
Delta R.T. 0.000 min
Lab File: VX042162.D
Acq: 03 Jul 2024 14:25

Instrument :
MSVOA_X
ClientSampleId :

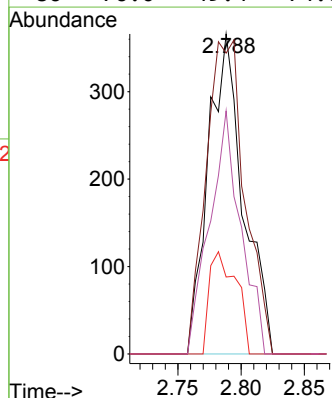
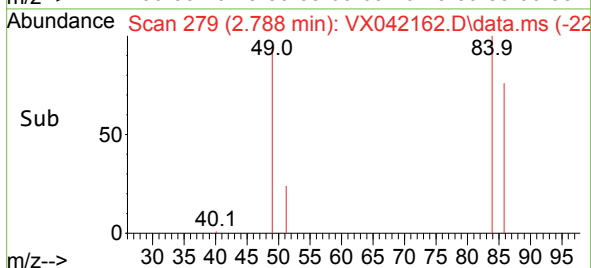
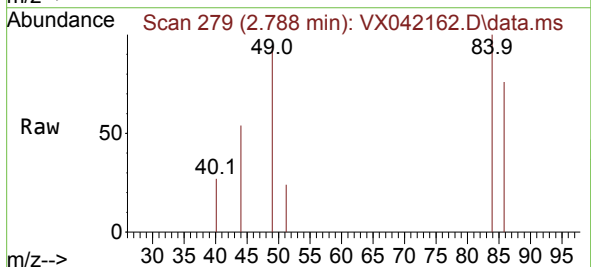


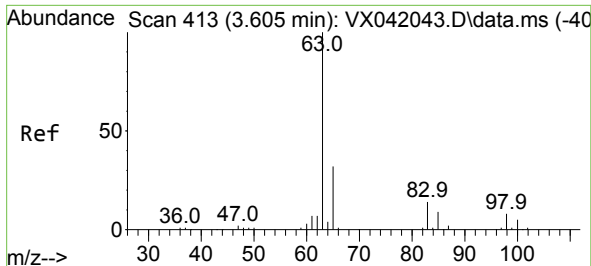
Tgt Ion: 76 Resp: 1717
Ion Ratio Lower Upper
76 100
78 7.9 7.0 10.6



#20
Methylene Chloride
Concen: 0.436 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX042162.D
Acq: 03 Jul 2024 14:25

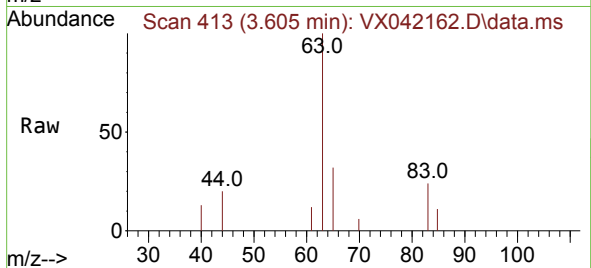
Tgt Ion: 84 Resp: 706
Ion Ratio Lower Upper
84 100
49 94.0 103.6 155.4#
51 24.0 33.8 50.6#
86 76.0 49.4 74.0#



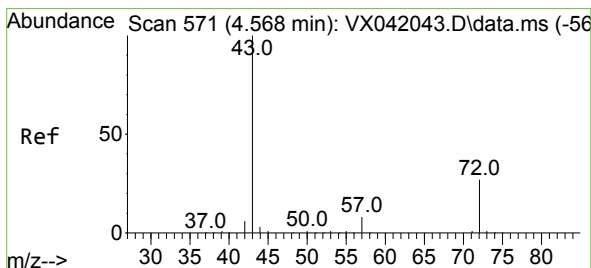
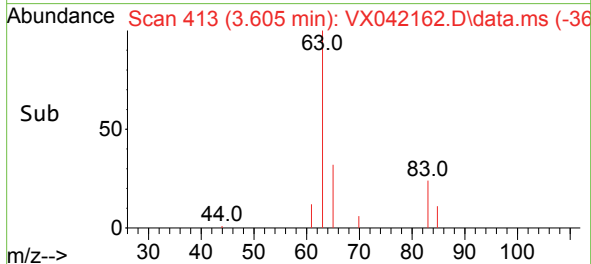
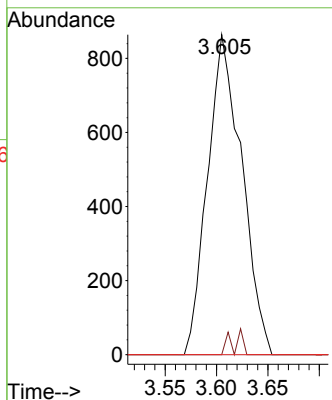


#24
1,1-Dichloroethane
Concen: 0.847 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX042162.D
Acq: 03 Jul 2024 14:25

Instrument :
MSVOA_X
ClientSampleId :

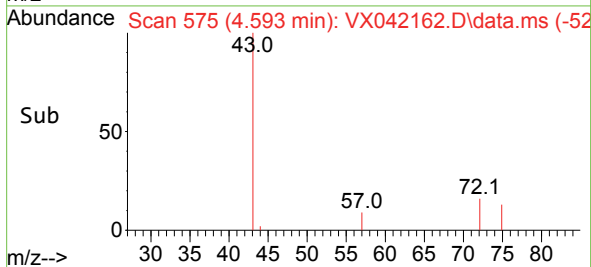
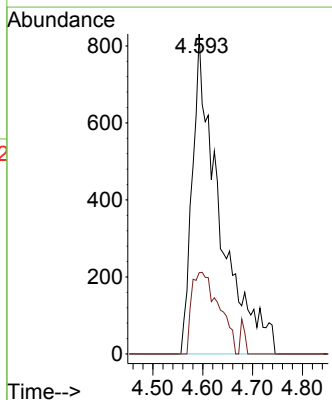
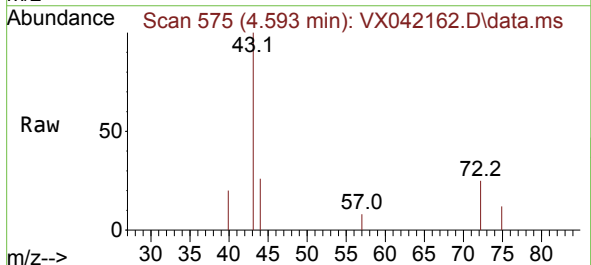


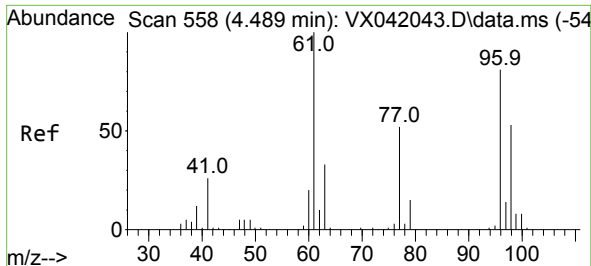
Tgt Ion: 63 Resp: 2001
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#



#25
2-Butanone
Concen: 2.725 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.018 min
Lab File: VX042162.D
Acq: 03 Jul 2024 14:25

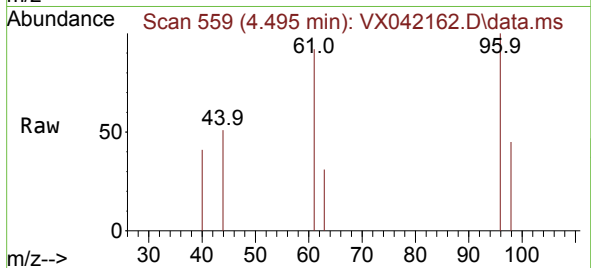
Tgt Ion: 43 Resp: 3133
Ion Ratio Lower Upper
43 100
72 25.4 19.4 29.2



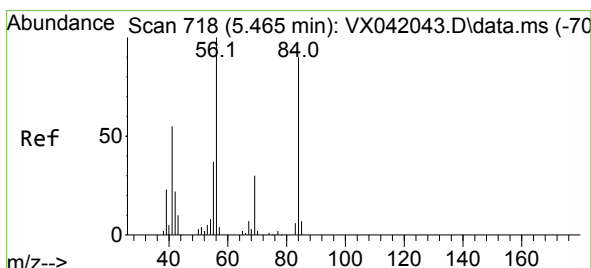
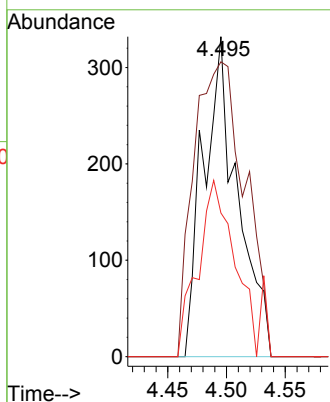
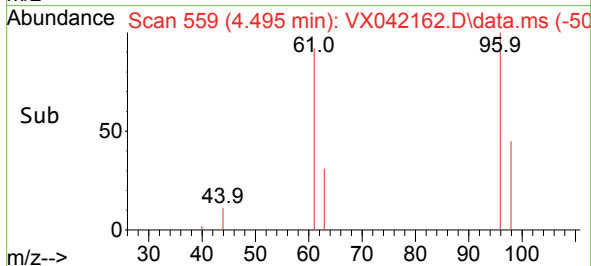


#27
 cis-1,2-Dichloroethene
 Concen: 0.420 ug/l
 RT: 4.495 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VX042162.D
 Acq: 03 Jul 2024 14:25

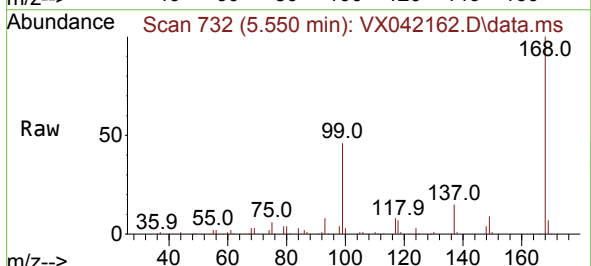
Instrument :
 MSVOA_X
 ClientSampleId :



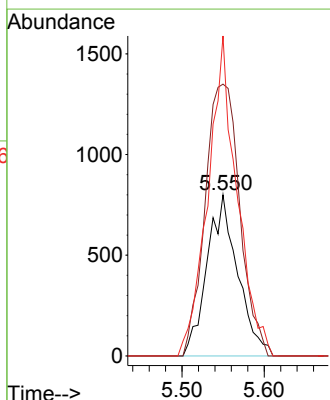
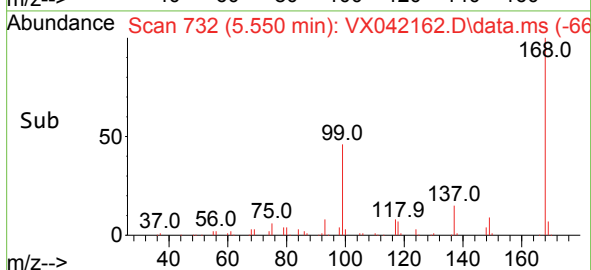
Tgt Ion:	96	Resp:	672
Ion	Ratio	Lower	Upper
96	100		
61	137.4	0.0	312.2
98	59.1	0.0	129.0

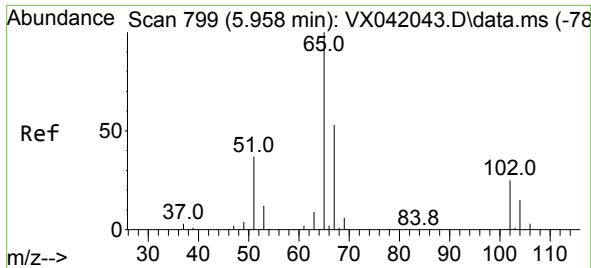


#31
 Cyclohexane
 Concen: 1.053 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. 0.086 min
 Lab File: VX042162.D
 Acq: 03 Jul 2024 14:25



Tgt Ion:	56	Resp:	2073
Ion	Ratio	Lower	Upper
56	100		
69	168.8	23.4	35.2#
84	198.6	65.9	98.9#

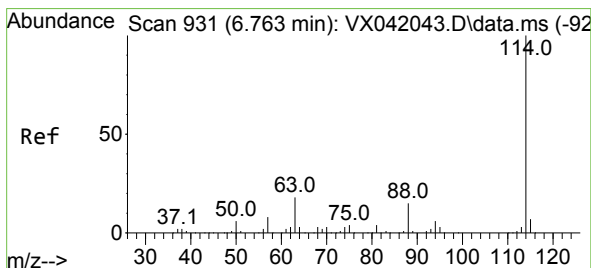
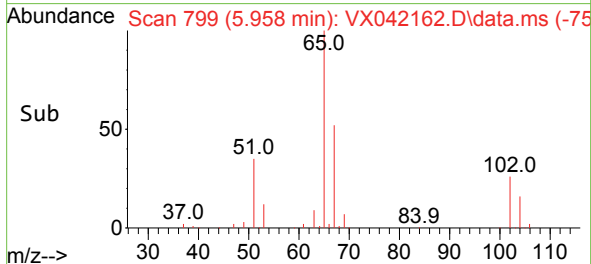
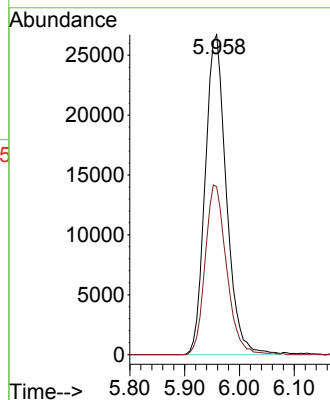
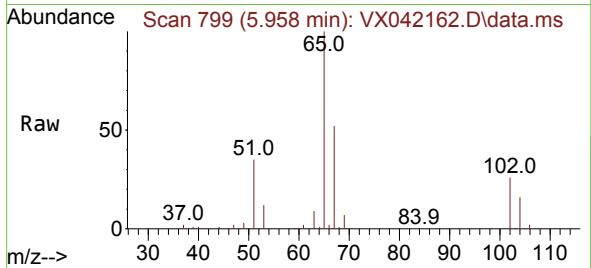




#33
1,2-Dichloroethane-d4
Concen: 42.459 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX042162.D
Acq: 03 Jul 2024 14:25

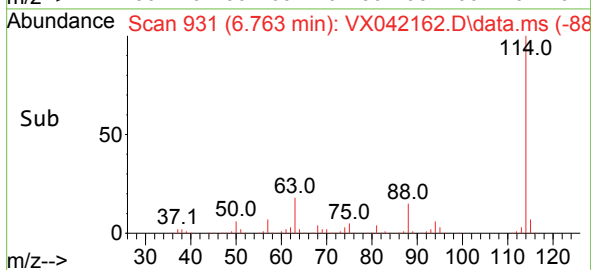
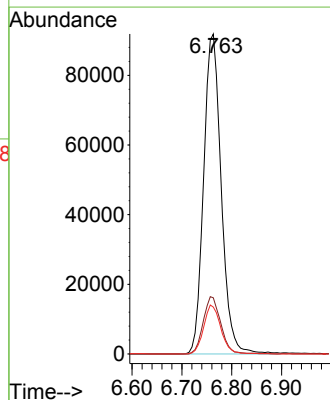
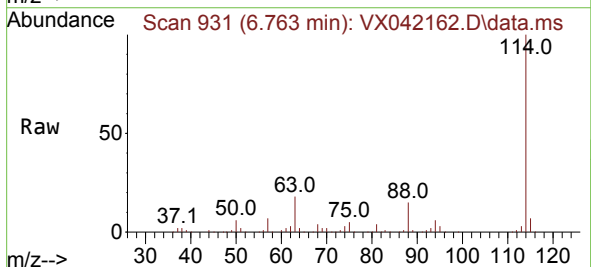
Instrument :
MSVOA_X
ClientSampleId :

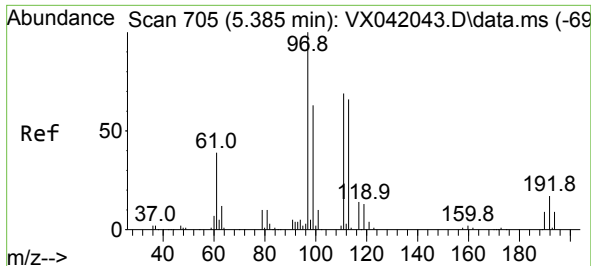
Tgt Ion: 65 Resp: 71449
Ion Ratio Lower Upper
65 100
67 53.8 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX042162.D
Acq: 03 Jul 2024 14:25

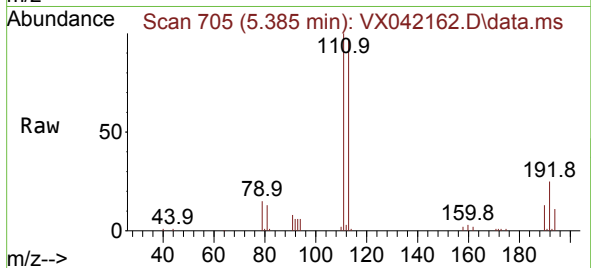
Tgt Ion: 114 Resp: 225424
Ion Ratio Lower Upper
114 100
63 17.6 0.0 45.0
88 14.7 0.0 36.6



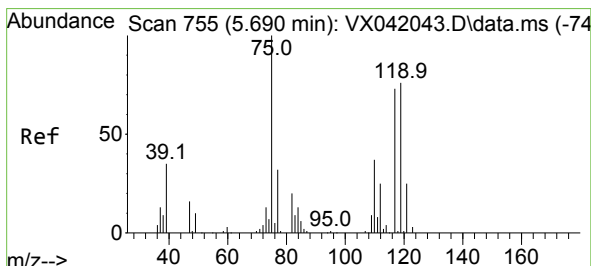
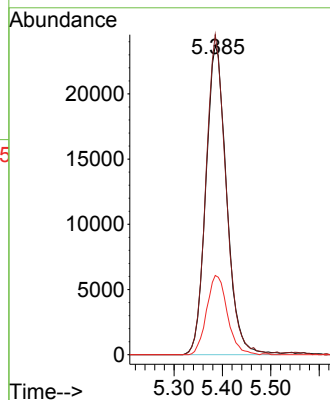
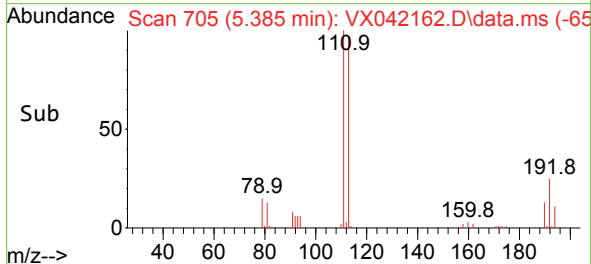


#35
Dibromofluoromethane
Concen: 44.159 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042162.D
Acq: 03 Jul 2024 14:25

Instrument :
MSVOA_X
ClientSampleId :

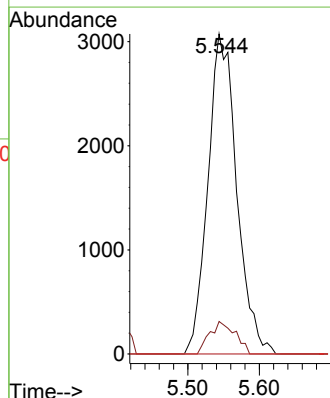
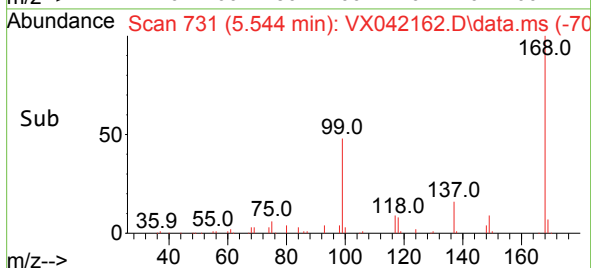
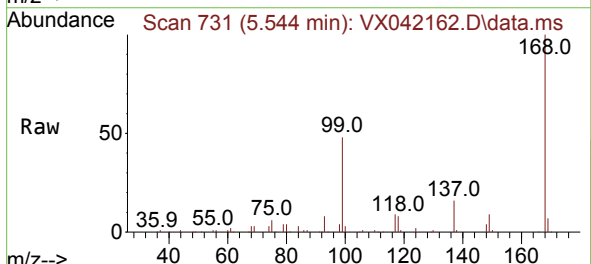


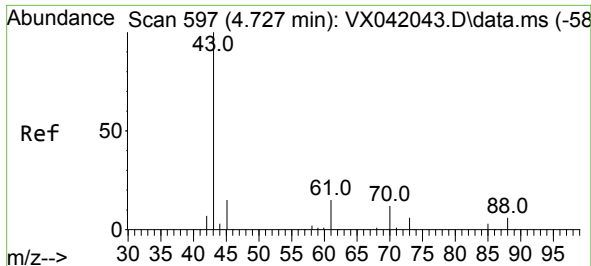
Tgt Ion:113 Resp: 70633
Ion Ratio Lower Upper
113 100
111 100.5 82.9 124.3
192 25.6 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 5.072 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX042162.D
Acq: 03 Jul 2024 14:25

Tgt Ion: 75 Resp: 8615
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.416 ug/l

RT: 4.593 min Scan# 51

Delta R.T. -0.134 min

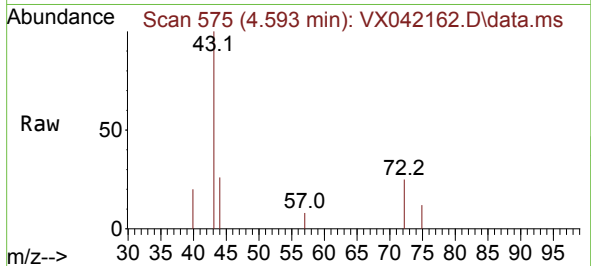
Lab File: VX042162.D

Acq: 03 Jul 2024 14:25

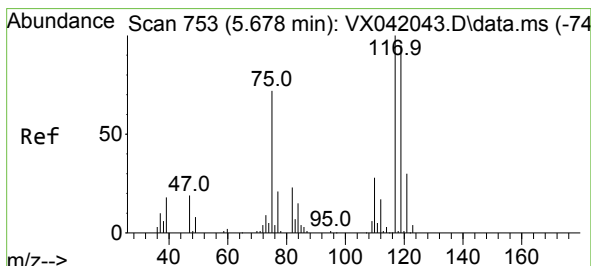
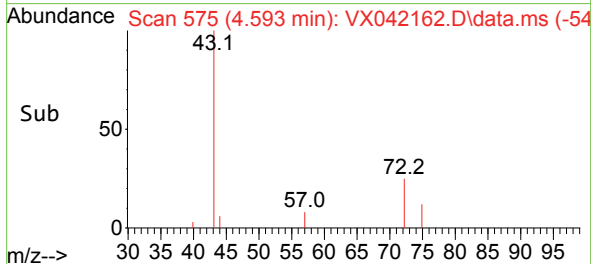
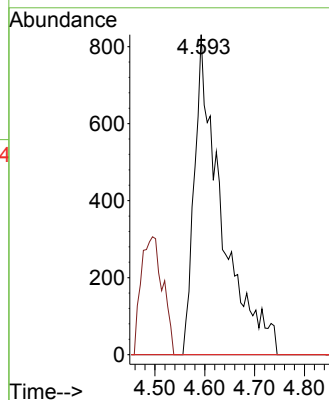
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	3133
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 6.396 ug/l

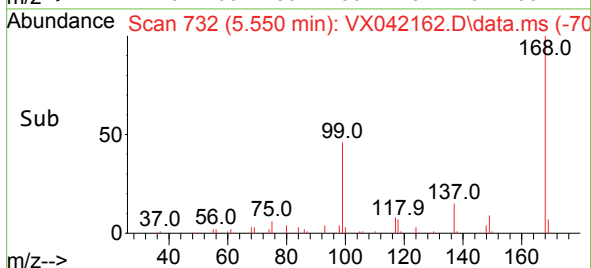
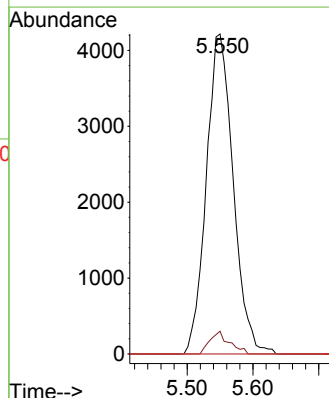
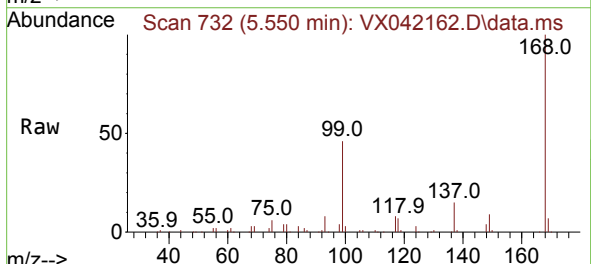
RT: 5.550 min Scan# 732

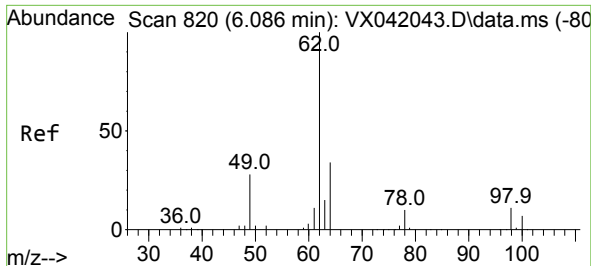
Delta R.T. -0.128 min

Lab File: VX042162.D

Acq: 03 Jul 2024 14:25

Tgt Ion:	117	Resp:	12004
Ion	Ratio	Lower	Upper
117	100		
119	7.1	78.2	117.2#
121	0.0	24.4	36.6#





#42

1,2-Dichloroethane

Concen: 0.606 ug/l

RT: 6.092 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX042162.D

Acq: 03 Jul 2024 14:25

Instrument :

MSVOA_X

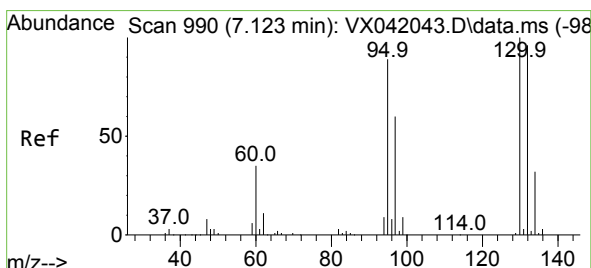
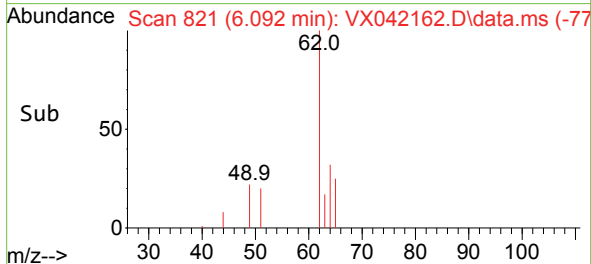
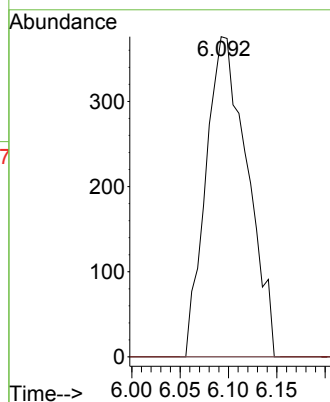
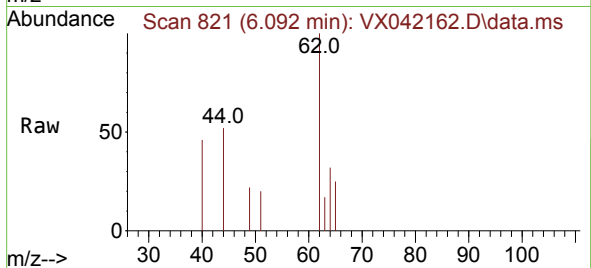
ClientSampleId :

Tgt Ion: 62 Resp: 1118

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#44

Trichloroethene

Concen: 0.488 ug/l

RT: 7.141 min Scan# 993

Delta R.T. 0.012 min

Lab File: VX042162.D

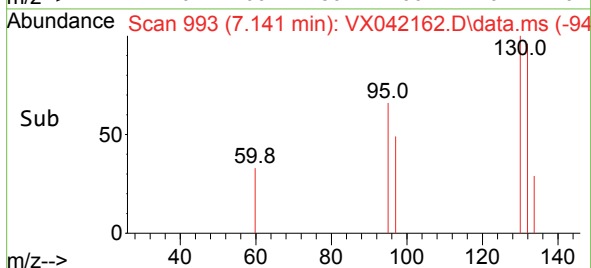
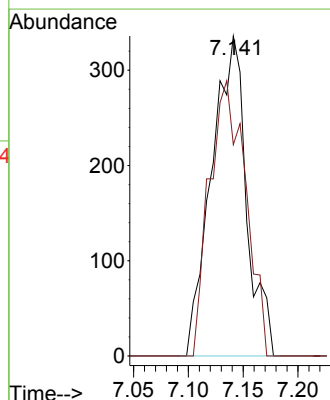
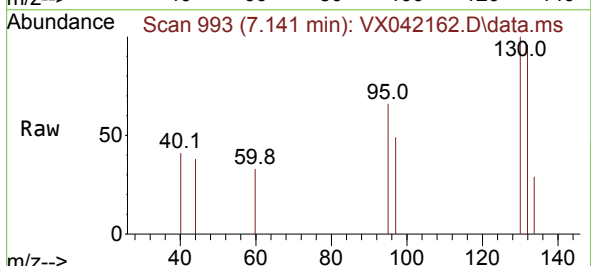
Acq: 03 Jul 2024 14:25

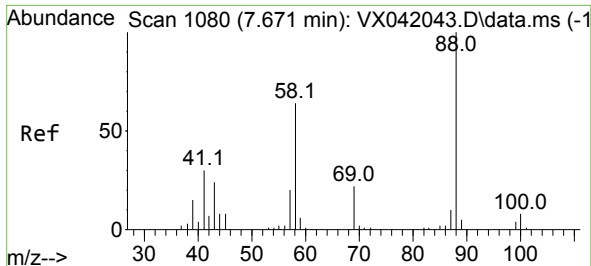
Tgt Ion: 130 Resp: 749

Ion Ratio Lower Upper

130 100

95 66.1 0.0 204.4





#49

1,4-Dioxane

Concen: 20.366 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.031 min

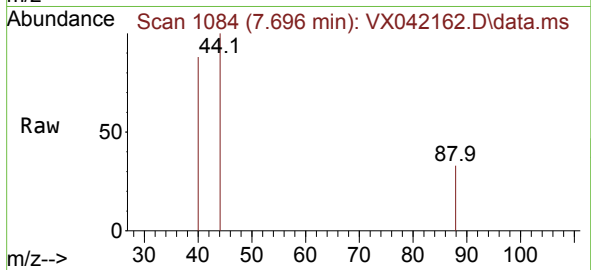
Lab File: VX042162.D

Acq: 03 Jul 2024 14:25

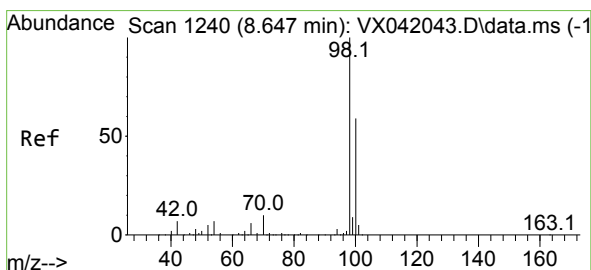
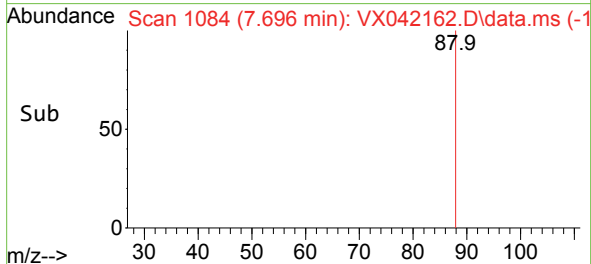
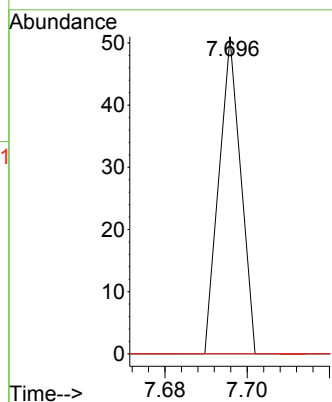
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	88	Resp:	19
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	0.0	60.1	90.1



#50

Toluene-d8

Concen: 47.394 ug/l

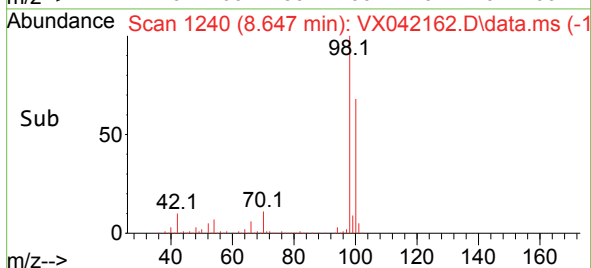
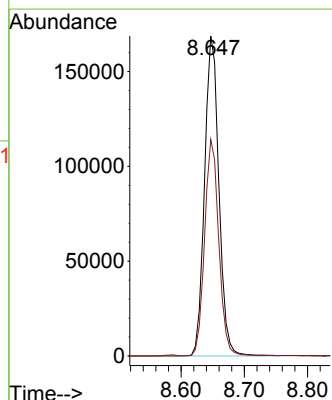
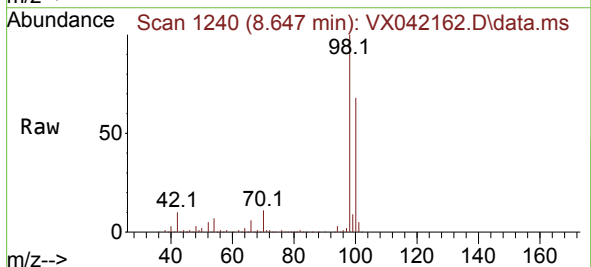
RT: 8.647 min Scan# 1240

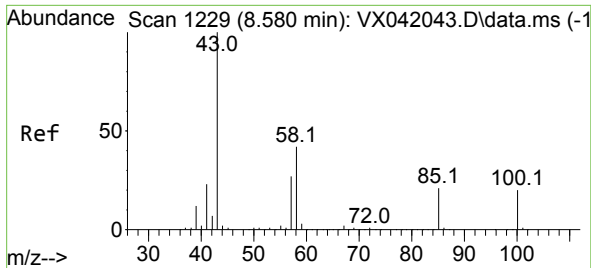
Delta R.T. 0.000 min

Lab File: VX042162.D

Acq: 03 Jul 2024 14:25

Tgt Ion:	98	Resp:	266313
Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.1	79.7

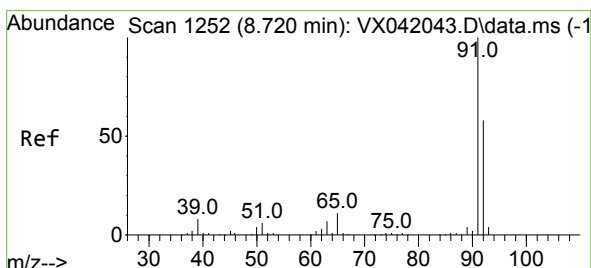
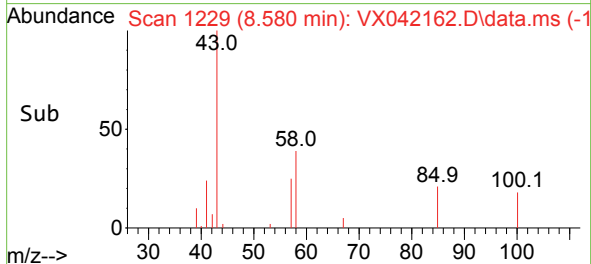
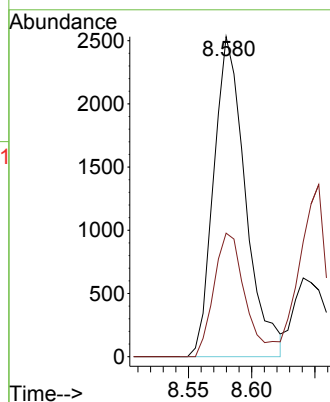
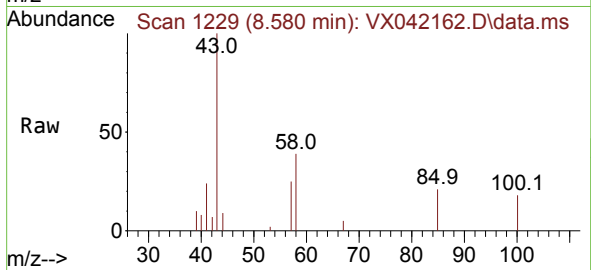




#51
4-Methyl-2-Pentanone
Concen: 1.884 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VX042162.D
Acq: 03 Jul 2024 14:25

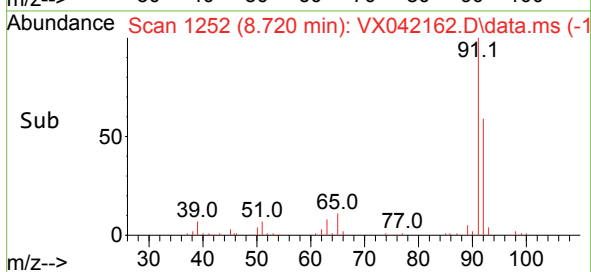
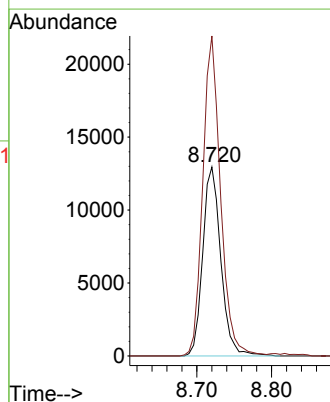
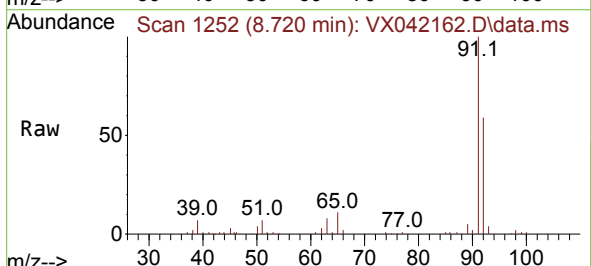
Instrument :
MSVOA_X
ClientSampleId :

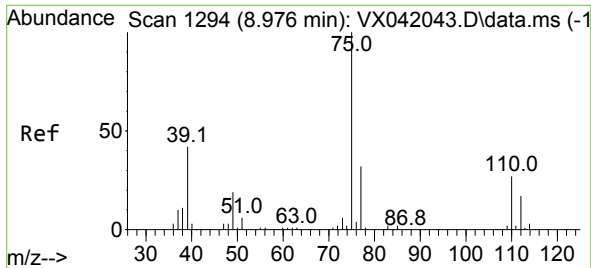
Tgt Ion: 43 Resp: 4408
Ion Ratio Lower Upper
43 100
58 36.9 30.4 45.6



#52
Toluene
Concen: 5.962 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX042162.D
Acq: 03 Jul 2024 14:25

Tgt Ion: 92 Resp: 21747
Ion Ratio Lower Upper
92 100
91 166.6 134.2 201.2

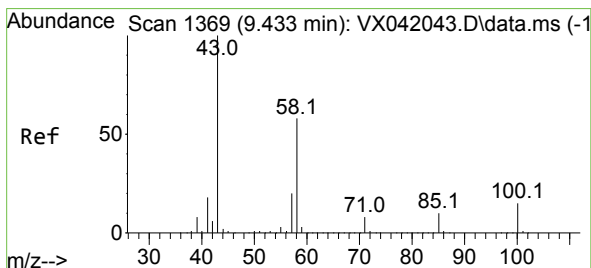
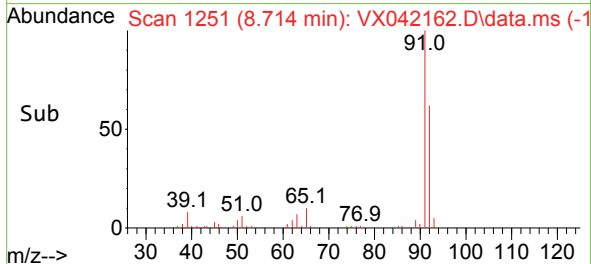
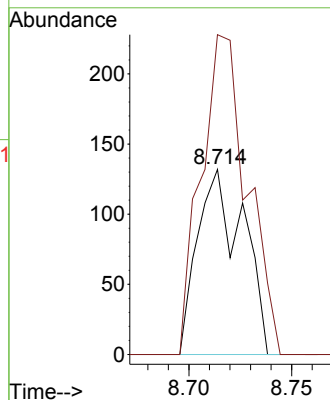
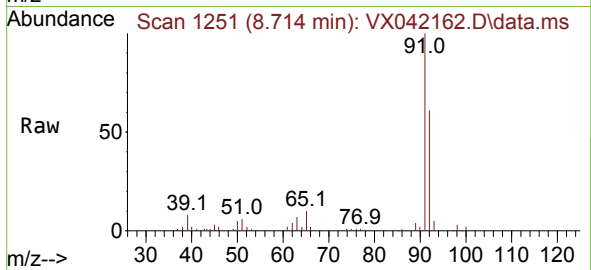




#53
t-1,3-Dichloropropene
Concen: 0.994 ug/l
RT: 8.714 min Scan# 11
Delta R.T. -0.268 min
Lab File: VX042162.D
Acq: 03 Jul 2024 14:25

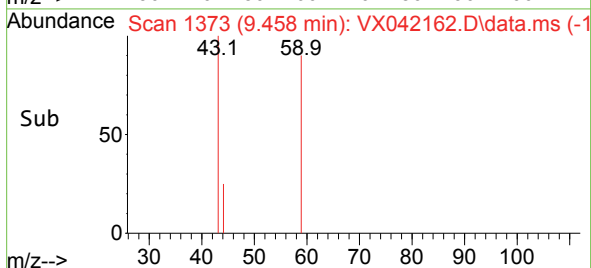
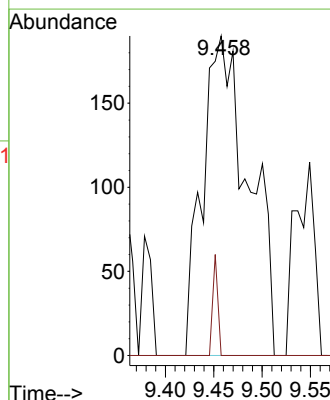
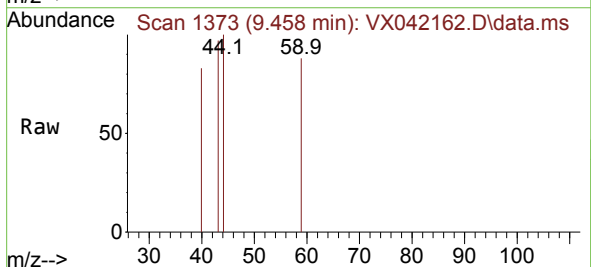
Instrument :
MSVOA_X
ClientSampleId :

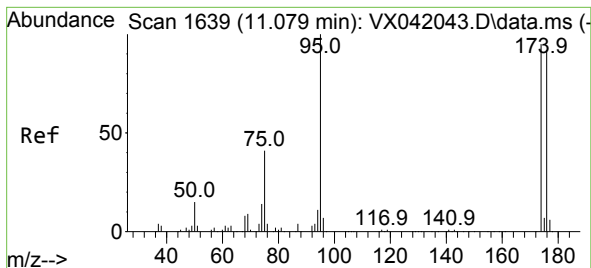
Tgt Ion: 75 Resp: 203
Ion Ratio Lower Upper
75 100
77 172.7 25.7 38.5#



#59
2-Hexanone
Concen: 0.352 ug/l
RT: 9.458 min Scan# 1373
Delta R.T. 0.025 min
Lab File: VX042162.D
Acq: 03 Jul 2024 14:25

Tgt Ion: 43 Resp: 631
Ion Ratio Lower Upper
43 100
58 3.5 26.2 78.5#

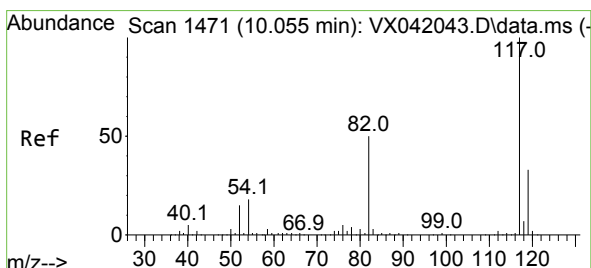
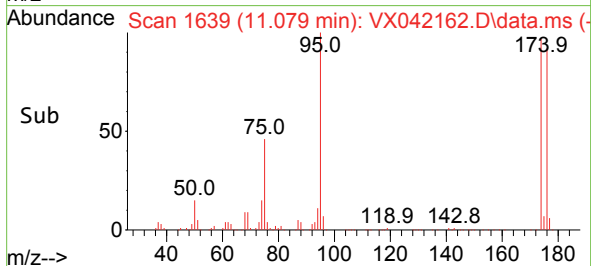
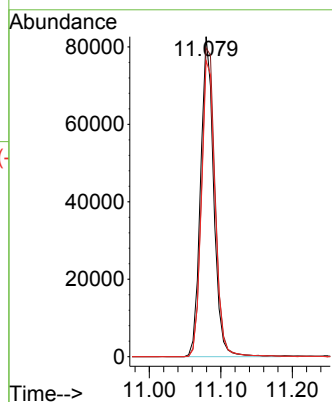
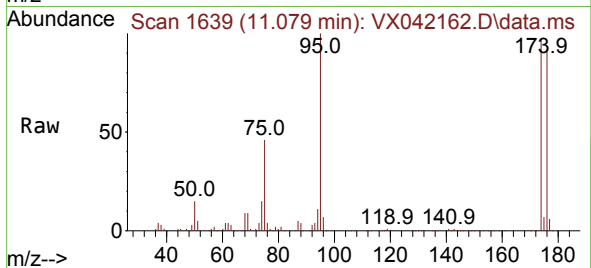




#62
4-Bromofluorobenzene
Concen: 50.863 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042162.D
Acq: 03 Jul 2024 14:25

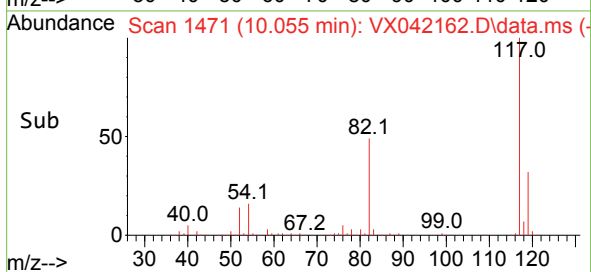
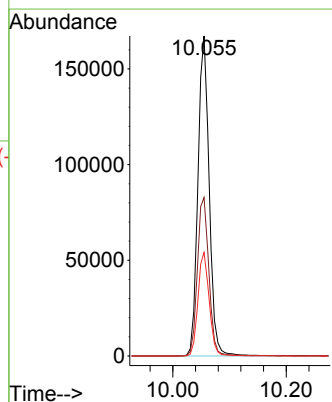
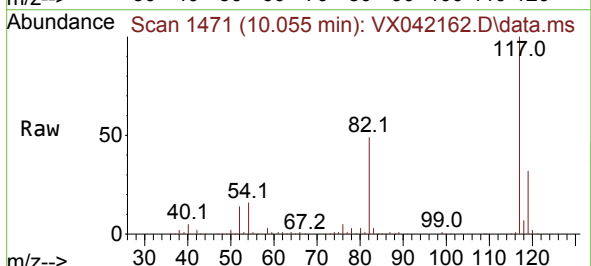
Instrument :
MSVOA_X
ClientSampleId :

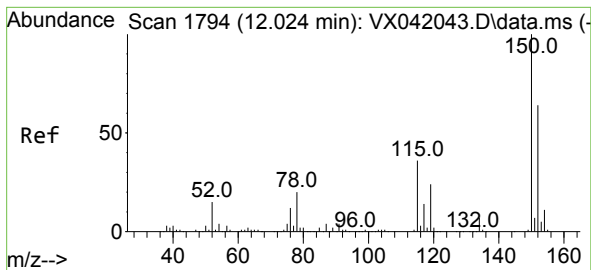
Tgt Ion: 95 Resp: 105355
Ion Ratio Lower Upper
95 100
174 100.7 0.0 135.6
176 96.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042162.D
Acq: 03 Jul 2024 14:25

Tgt Ion: 117 Resp: 230600
Ion Ratio Lower Upper
117 100
82 49.5 46.2 69.4
119 32.4 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: VX042162.D

Acq: 03 Jul 2024 14:25

Instrument :

MSVOA_X

ClientSampleId :

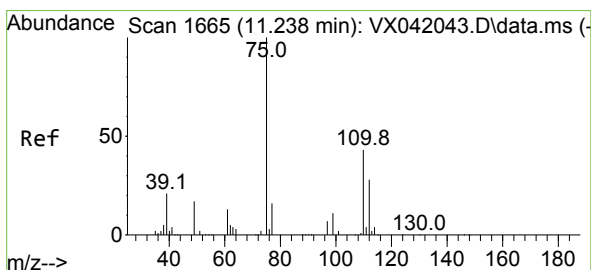
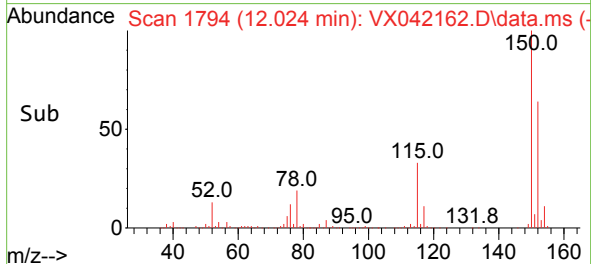
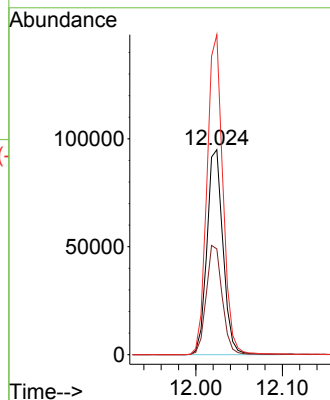
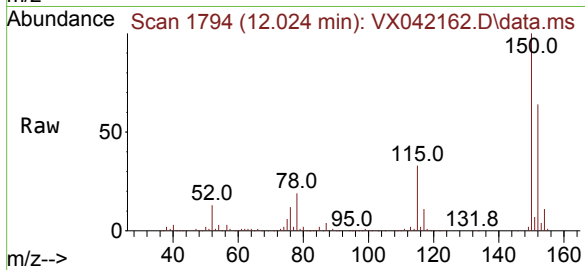
Tgt Ion:152 Resp: 122250

Ion Ratio Lower Upper

152 100

115 53.2 43.3 129.9

150 155.1 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 21.816 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX042162.D

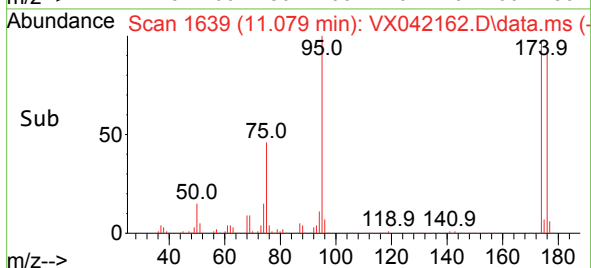
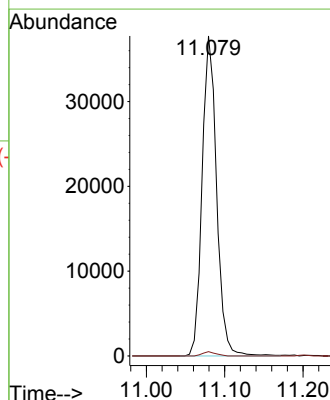
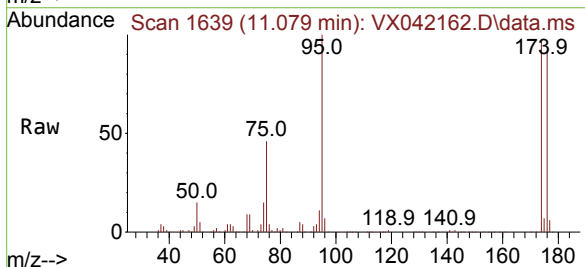
Acq: 03 Jul 2024 14:25

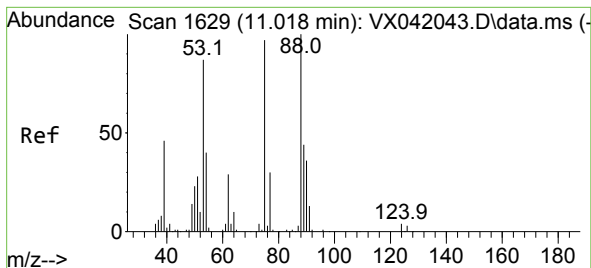
Tgt Ion: 75 Resp: 48417

Ion Ratio Lower Upper

75 100

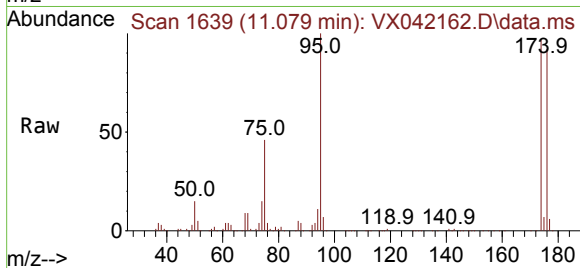
77 1.2 19.1 57.5#



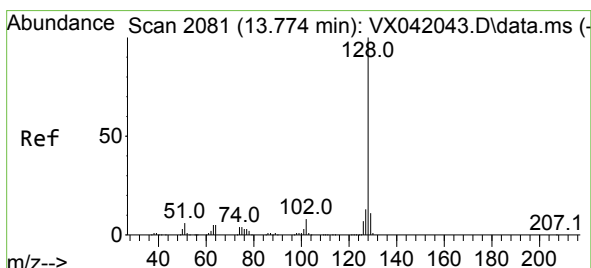
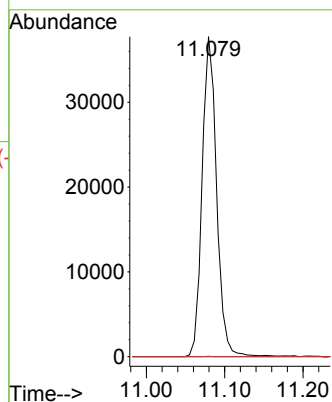
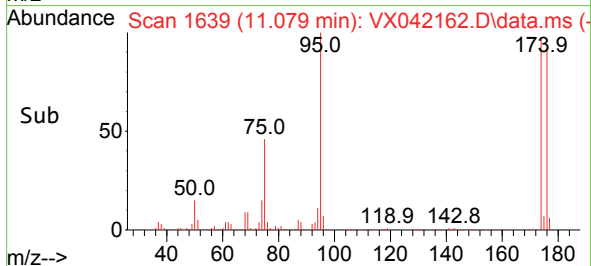


#81
trans-1,4-Dichloro-2-butene
Concen: 61.956 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042162.D
Acq: 03 Jul 2024 14:25

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 48417
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 1.062 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX042162.D
Acq: 03 Jul 2024 14:25

Tgt Ion: 128 Resp: 2792
Ion Ratio Lower Upper
128 100
127 16.5 10.3 15.5#
129 18.1 8.8 13.2#

