

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081424\
 Data File : VX043044.D
 Acq On : 14 Aug 2024 20:14
 Operator : JC/MD
 Sample : PB162677TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 15 04:36:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081424W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 04:22:11 2024
 Response via : Initial Calibration

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

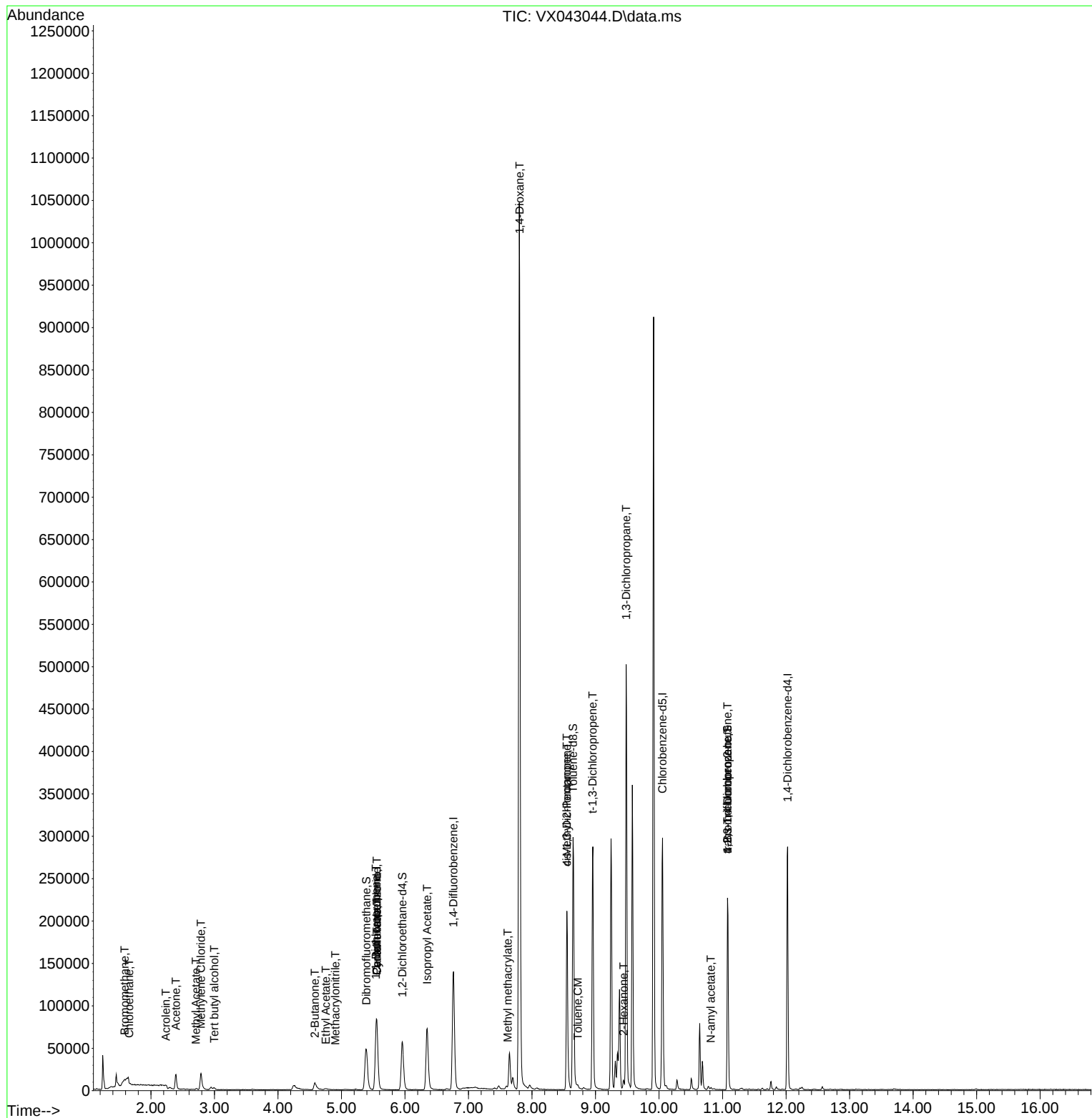
Internal Standards						
1) Pentafluorobenzene	5.556	168	84286	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	148002	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	134266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	51629	46.616	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.240%		
35) Dibromofluoromethane	5.391	113	45013	49.163	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.320%		
50) Toluene-d8	8.647	98	181319	51.301	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.600%		
62) 4-Bromofluorobenzene	11.079	95	64543	50.362	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.720%		
Target Compounds						Qvalue
5) Bromomethane	1.587	94	180	0.469	ug/l #	3
6) Chloroethane	1.654	64	129	0.323	ug/l #	53
11) Tert butyl alcohol	2.995	59	2960	10.359	ug/l #	72
13) Acrolein	2.233	56	325	1.125	ug/l #	14
16) Acetone	2.392	43	20086	36.566	ug/l #	89
18) Methyl Acetate	2.709	43	1641	0.904	ug/l	100
20) Methylene Chloride	2.788	84	10441	8.219	ug/l	94
25) 2-Butanone	4.580	43	15075	15.655	ug/l #	89
31) Cyclohexane	5.556	56	1892	1.025	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	6473	5.089	ug/l #	51
37) Ethyl Acetate	4.751	43	2800	1.563	ug/l #	92
38) Carbon Tetrachloride	5.556	117	7989	6.211	ug/l #	17
41) Methacrylonitrile	4.904	41	217	0.230	ug/l #	25
43) Isopropyl Acetate	6.348	43	104104	36.009	ug/l	97
48) Methyl methacrylate	7.616	41	2507	2.211	ug/l #	16
49) 1,4-Dioxane	7.805	88	82	2.905	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	73116	39.795	ug/l #	51
52) Toluene	8.720	92	774	0.296	ug/l	97
53) t-1,3-Dichloropropene	8.952	75	630	0.407	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	34989	20.577	ug/l #	51
57) 1,3-Dichloropropane	9.482	76	4334	2.487	ug/l #	42
59) 2-Hexanone	9.439	43	6440	4.561	ug/l	89
74) N-amyl acetate	10.817	43	660	0.244	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	30918	21.674	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	30918	47.276	ug/l #	5

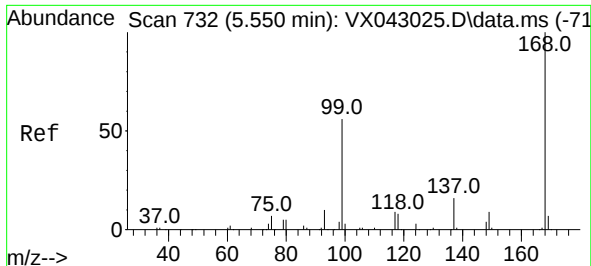
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081424W.M
Quant Title : SW846 8260
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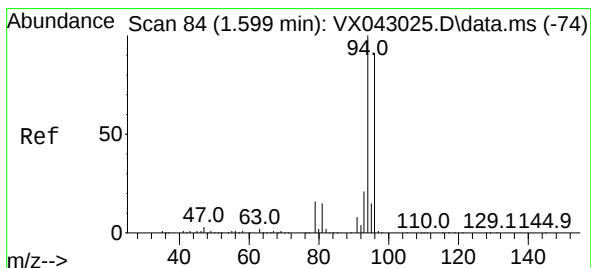
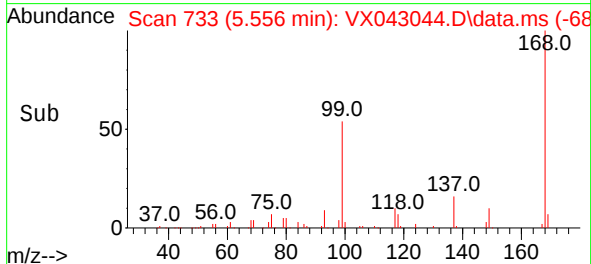
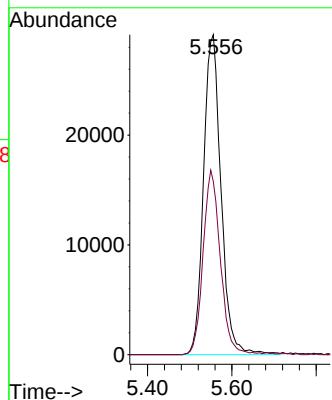
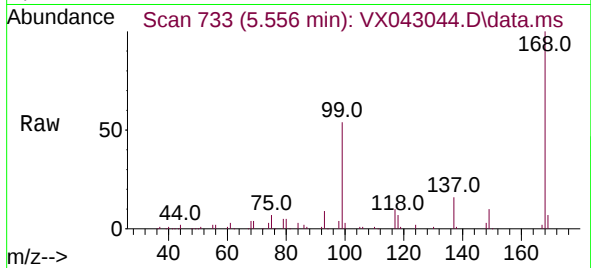




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 74
Delta R.T. 0.006 min
Lab File: VX043044.D
Acq: 14 Aug 2024 20:14

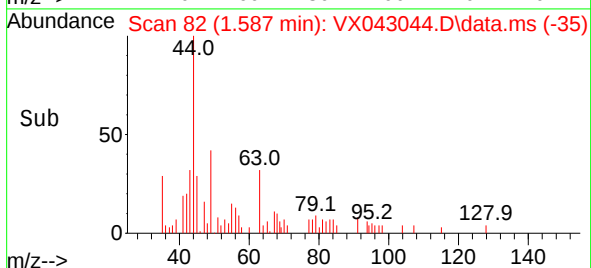
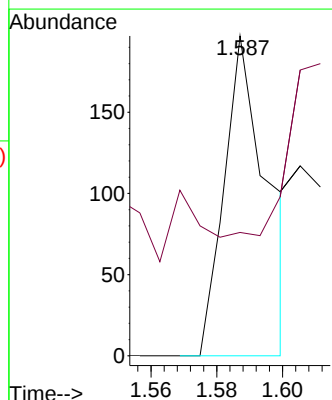
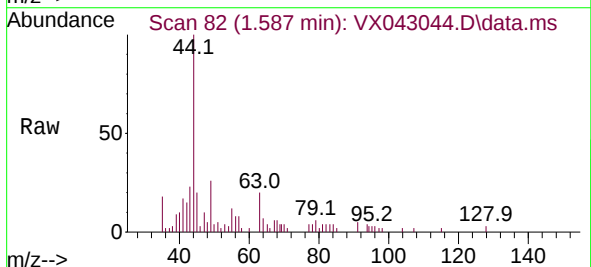
Instrument :
MSVOA_X
ClientSampleId :

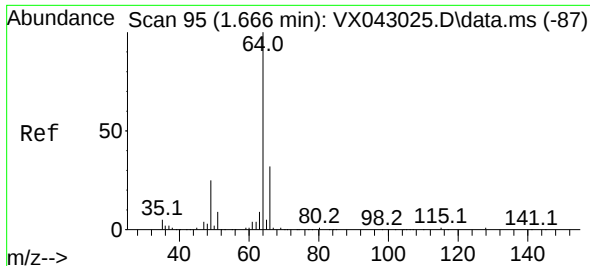
Tgt Ion:168 Resp: 84286
Ion Ratio Lower Upper
168 100
99 54.1 56.6 85.0#



#5
Bromomethane
Concen: 0.469 ug/l
RT: 1.587 min Scan# 82
Delta R.T. -0.012 min
Lab File: VX043044.D
Acq: 14 Aug 2024 20:14

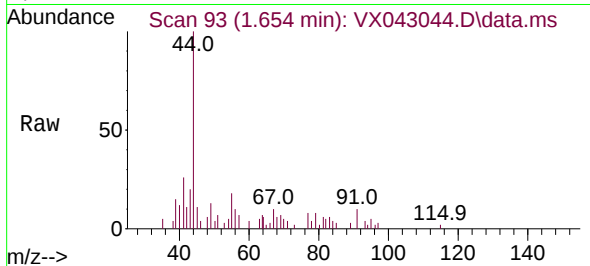
Tgt Ion: 94 Resp: 180
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



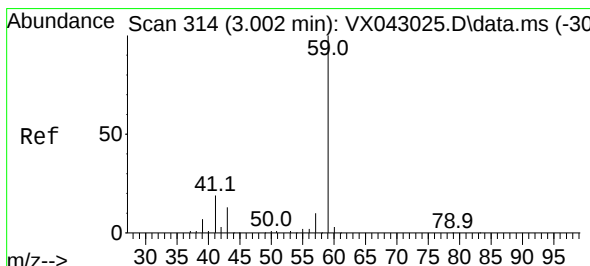
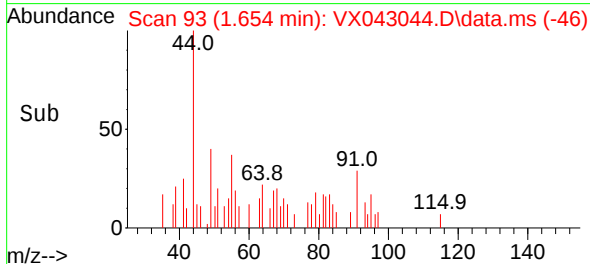
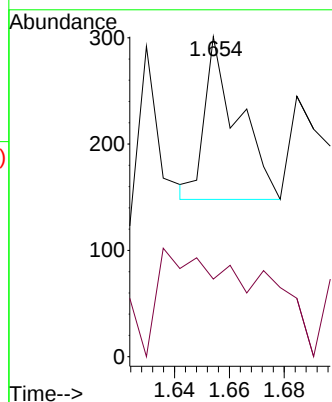


#6
Chloroethane
Concen: 0.323 ug/l
RT: 1.654 min Scan# 91
Delta R.T. -0.012 min
Lab File: VX043044.D
Acq: 14 Aug 2024 20:14

Instrument :
MSVOA_X
ClientSampleId :

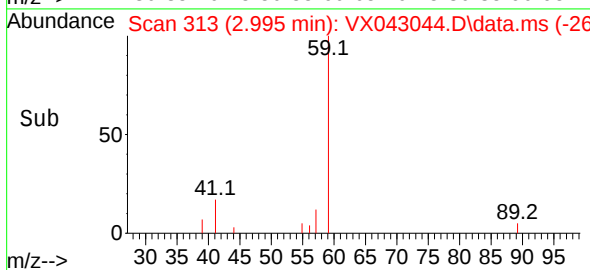
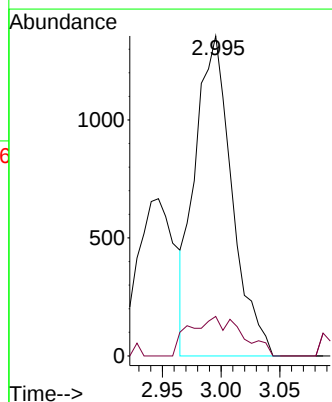
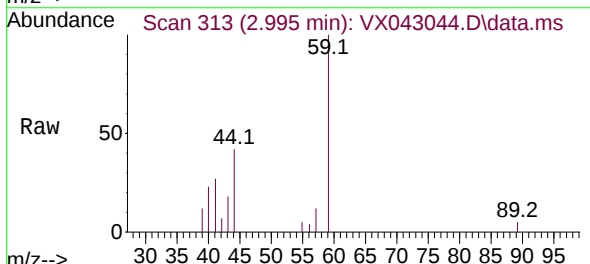


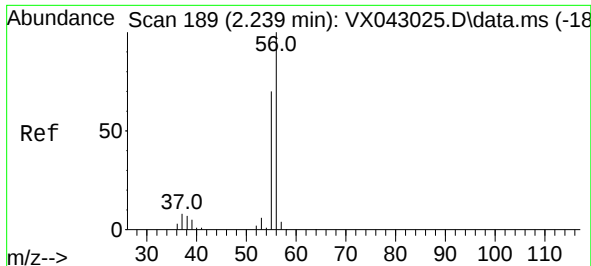
Tgt Ion: 64 Resp: 129
Ion Ratio Lower Upper
64 100
66 5.2 25.1 37.7#



#11
Tert butyl alcohol
Concen: 10.359 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.006 min
Lab File: VX043044.D
Acq: 14 Aug 2024 20:14

Tgt Ion: 59 Resp: 2960
Ion Ratio Lower Upper
59 100
57 17.4 6.0 9.0#

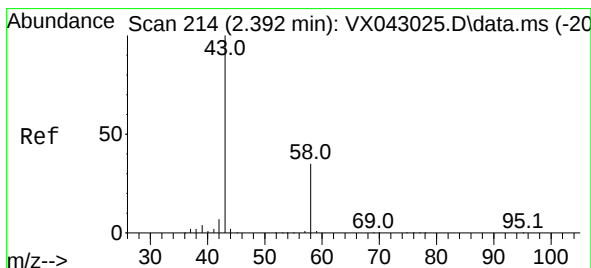
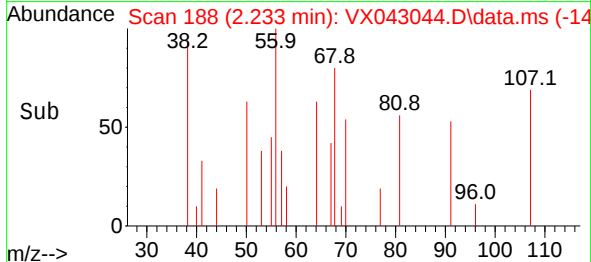
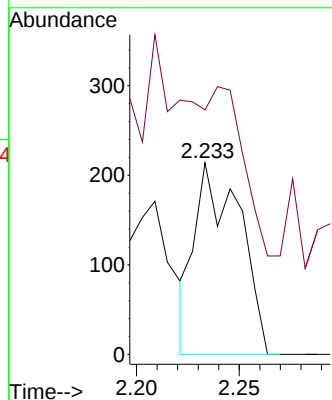
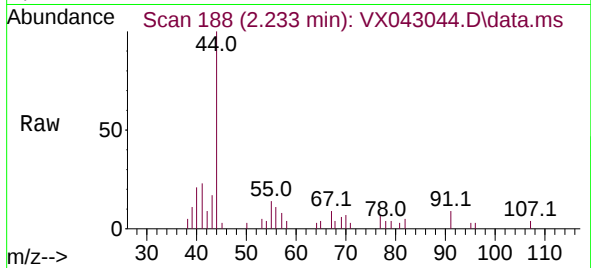




#13
Acrolein
Concen: 1.125 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX043044.D
Acq: 14 Aug 2024 20:14

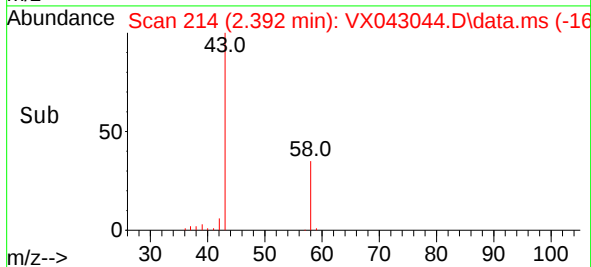
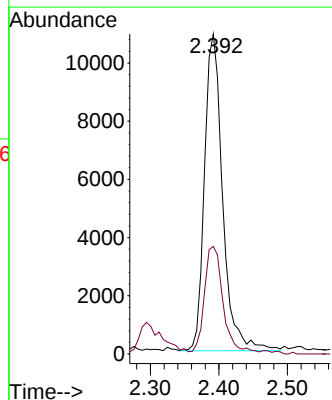
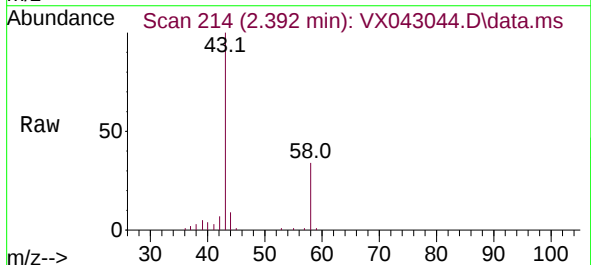
Instrument :
MSVOA_X
ClientSampleId :

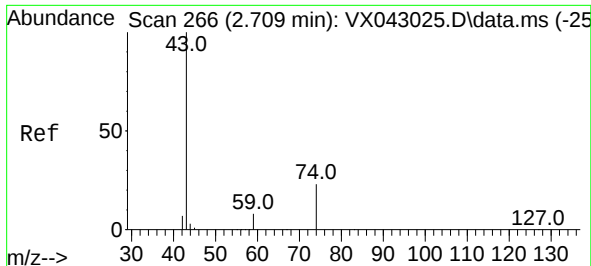
Tgt Ion: 56 Resp: 325
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 36.566 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX043044.D
Acq: 14 Aug 2024 20:14

Tgt Ion: 43 Resp: 20086
Ion Ratio Lower Upper
43 100
58 33.3 21.9 32.9#





#18

Methyl Acetate

Concen: 0.904 ug/l

RT: 2.709 min Scan# 2

Delta R.T. -0.000 min

Lab File: VX043044.D

Acq: 14 Aug 2024 20:14

Instrument :

MSVOA_X

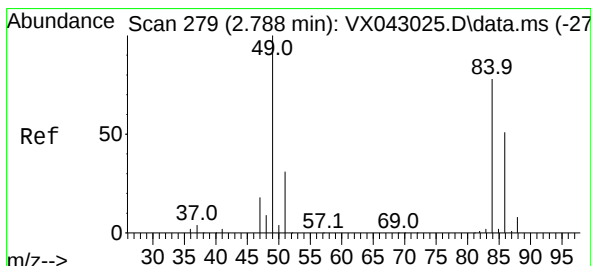
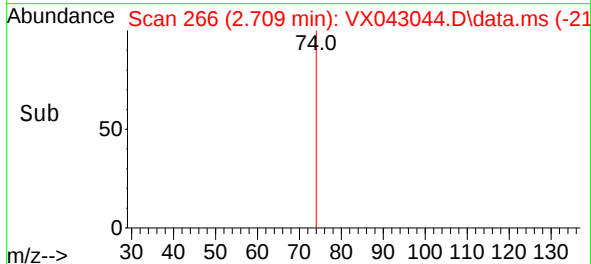
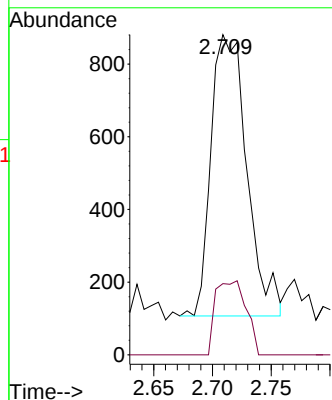
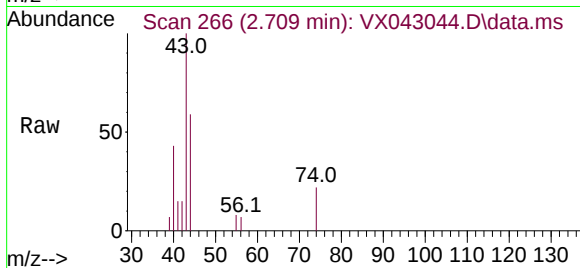
ClientSampleId :

Tgt Ion: 43 Resp: 1641

Ion Ratio Lower Upper

43 100

74 22.5 17.8 26.8



#20

Methylene Chloride

Concen: 8.219 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX043044.D

Acq: 14 Aug 2024 20:14

Tgt Ion: 84 Resp: 10441

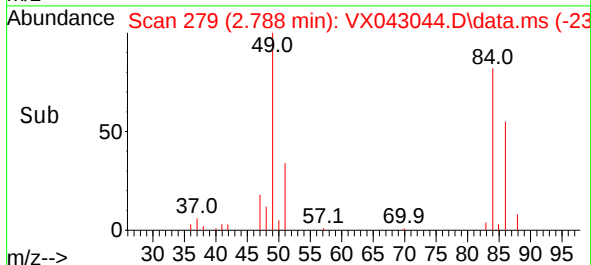
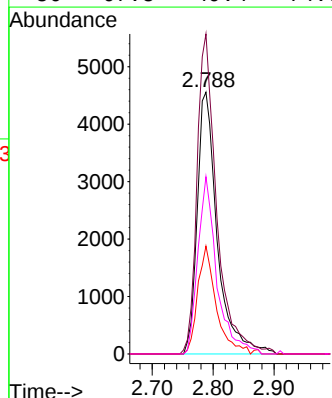
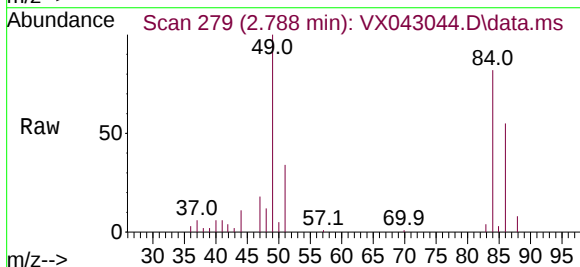
Ion Ratio Lower Upper

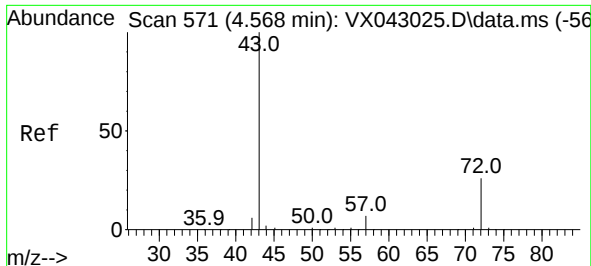
84 100

49 122.3 103.6 155.4

51 41.2 33.8 50.6

86 67.8 49.4 74.0





#25

2-Butanone

Concen: 15.655 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX043044.D

Acq: 14 Aug 2024 20:14

Instrument :

MSVOA_X

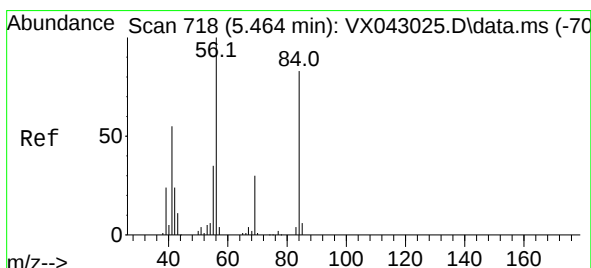
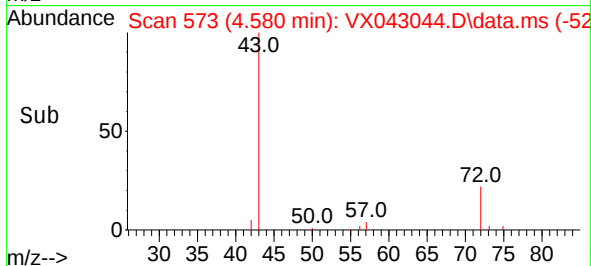
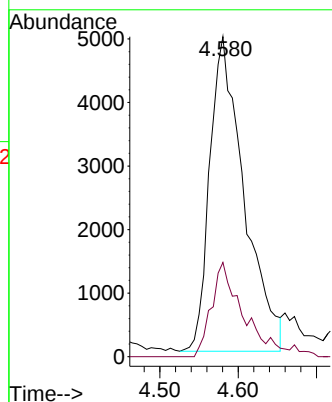
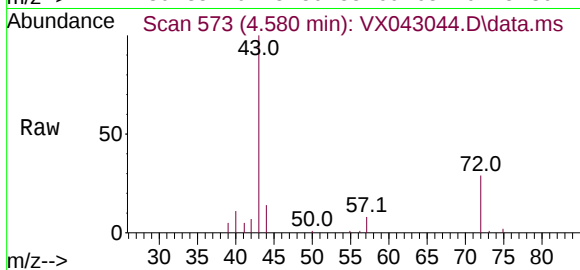
ClientSampleId :

Tgt Ion: 43 Resp: 15075

Ion Ratio Lower Upper

43 100

72 30.0 19.4 29.2#



#31

Cyclohexane

Concen: 1.025 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.091 min

Lab File: VX043044.D

Acq: 14 Aug 2024 20:14

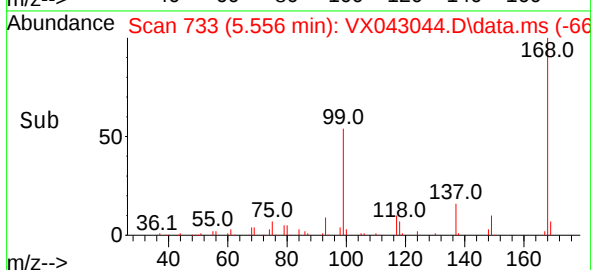
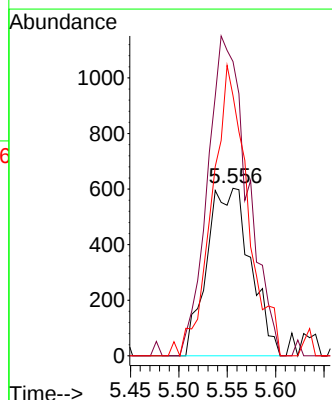
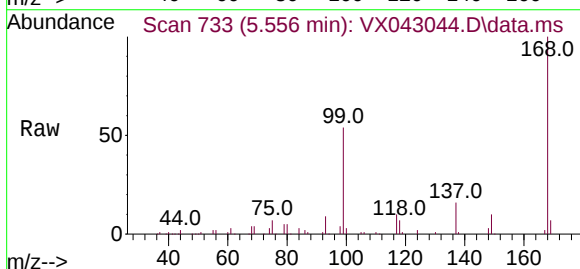
Tgt Ion: 56 Resp: 1892

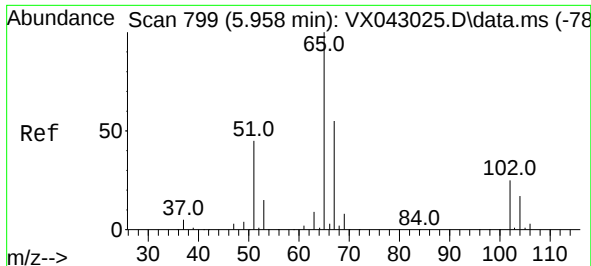
Ion Ratio Lower Upper

56 100

69 175.6 23.4 35.2#

84 155.2 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 46.616 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX043044.D

Acq: 14 Aug 2024 20:14

Instrument :

MSVOA_X

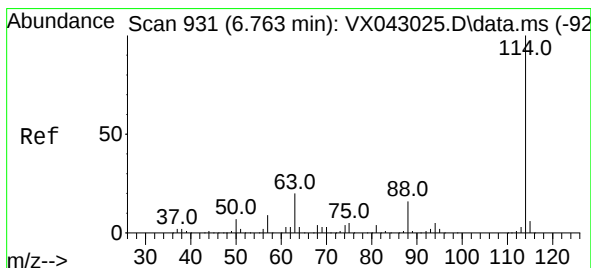
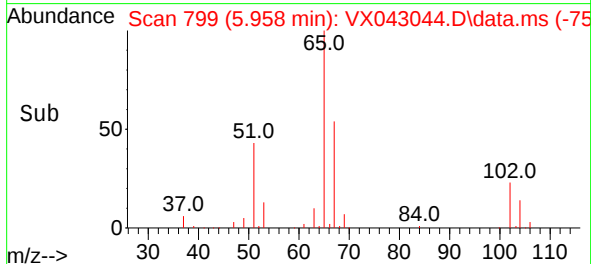
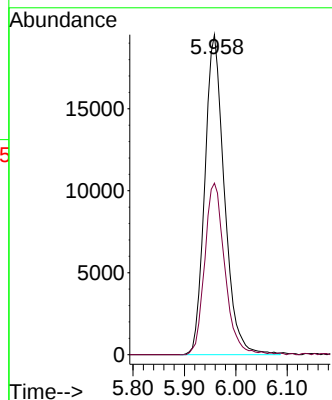
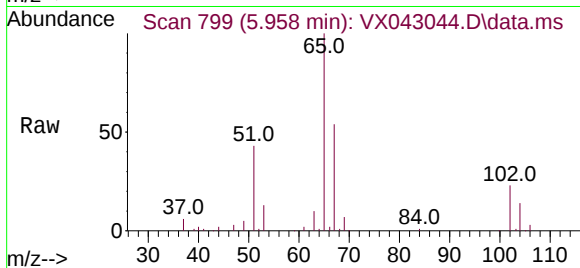
ClientSampleId :

Tgt Ion: 65 Resp: 51629

Ion Ratio Lower Upper

65 100

67 55.0 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: VX043044.D

Acq: 14 Aug 2024 20:14

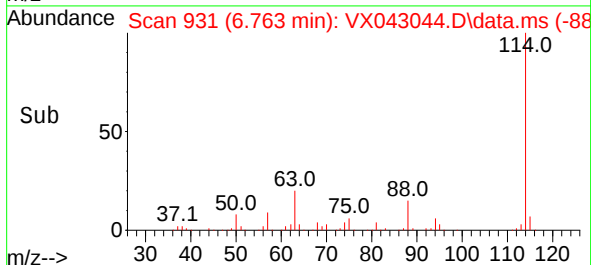
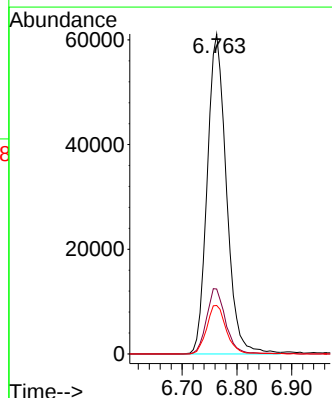
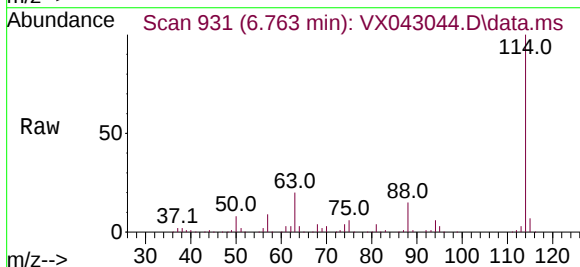
Tgt Ion: 114 Resp: 148002

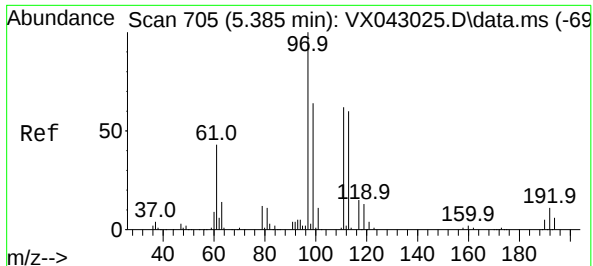
Ion Ratio Lower Upper

114 100

63 20.3 0.0 45.0

88 15.2 0.0 36.6





#35

Dibromofluoromethane

Concen: 49.163 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

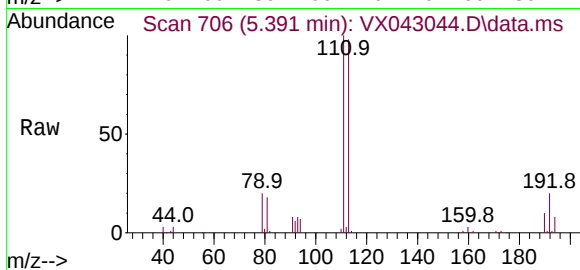
Lab File: VX043044.D

Acq: 14 Aug 2024 20:14

Instrument :

MSVOA_X

ClientSampleId :



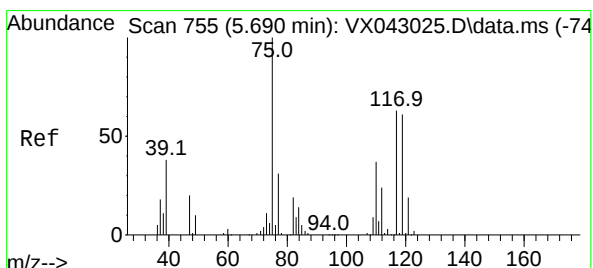
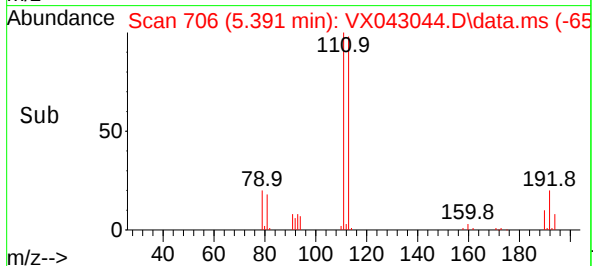
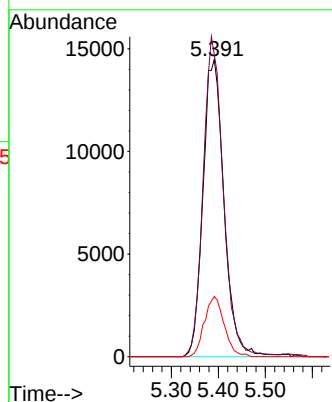
Tgt Ion:113 Resp: 45013

Ion Ratio Lower Upper

113 100

111 102.7 82.9 124.3

192 19.0 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.089 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX043044.D

Acq: 14 Aug 2024 20:14

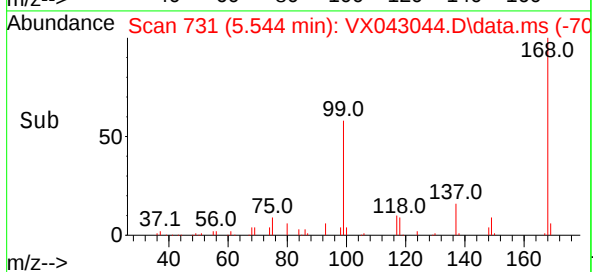
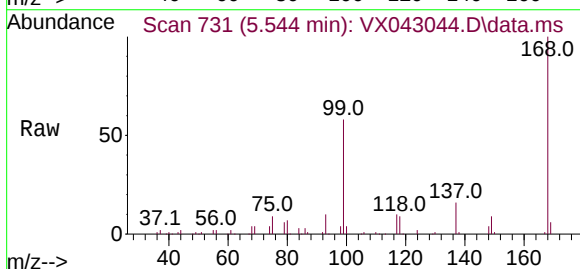
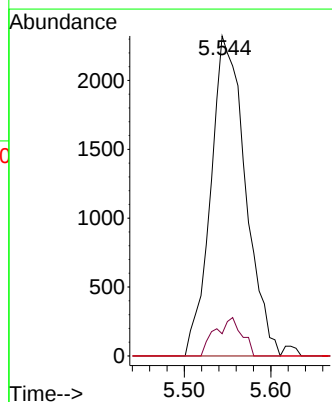
Tgt Ion: 75 Resp: 6473

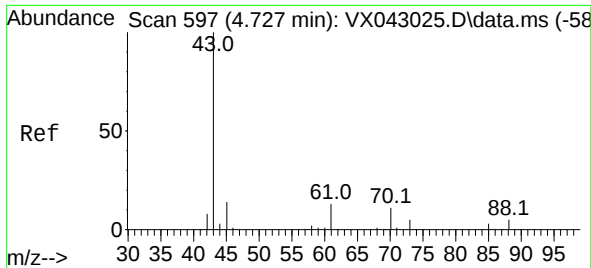
Ion Ratio Lower Upper

75 100

110 9.2 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.563 ug/l

RT: 4.751 min Scan# 601

Delta R.T. 0.024 min

Lab File: VX043044.D

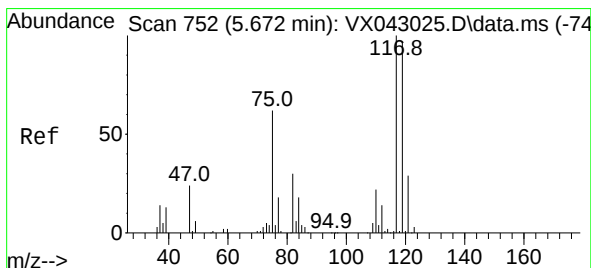
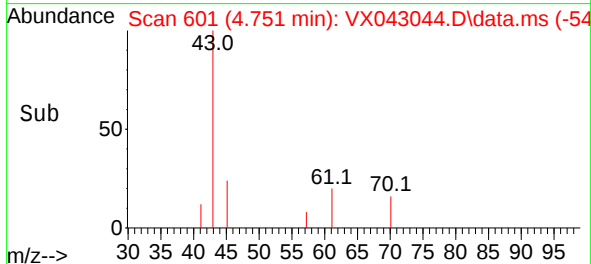
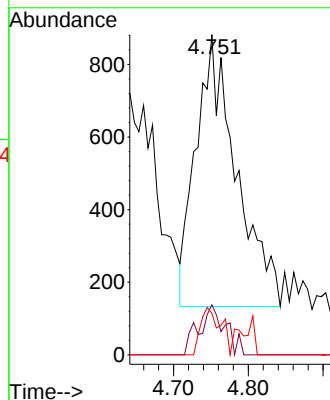
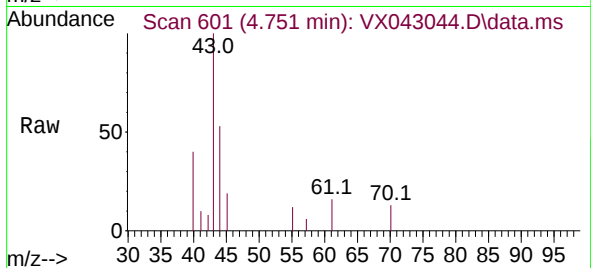
Acq: 14 Aug 2024 20:14

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	43	Resp:	2800
Ion	Ratio	Lower	Upper
43	100		
61	9.3	10.6	16.0#
70	8.6	8.3	12.5



#38

Carbon Tetrachloride

Concen: 6.211 ug/l

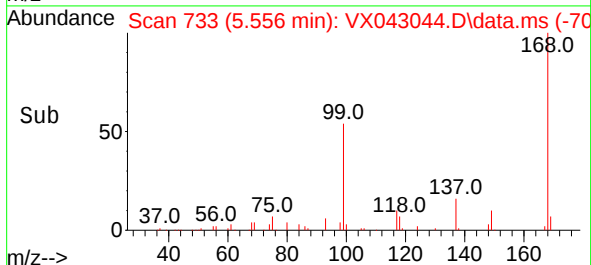
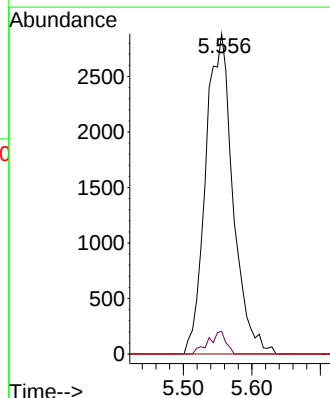
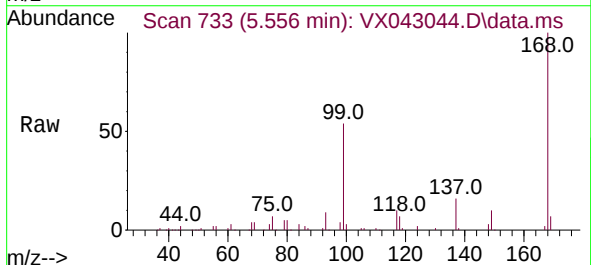
RT: 5.556 min Scan# 733

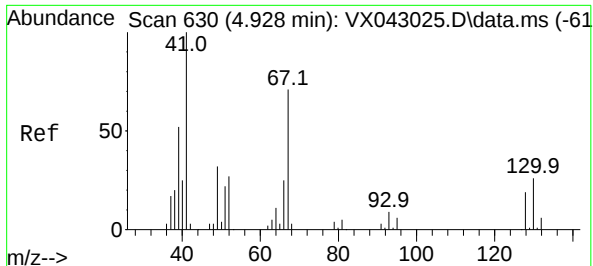
Delta R.T. -0.116 min

Lab File: VX043044.D

Acq: 14 Aug 2024 20:14

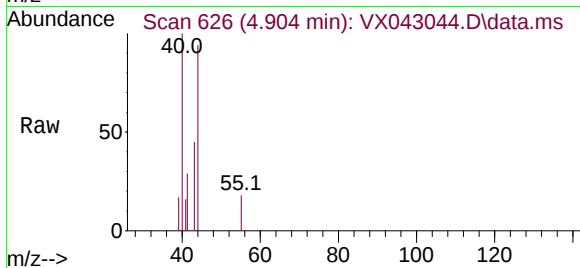
Tgt Ion:	117	Resp:	7989
Ion	Ratio	Lower	Upper
117	100		
119	7.1	78.2	117.2#
121	0.0	24.4	36.6#



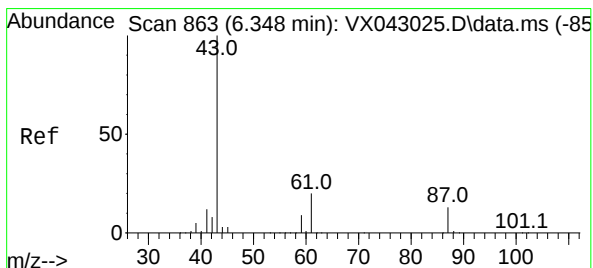
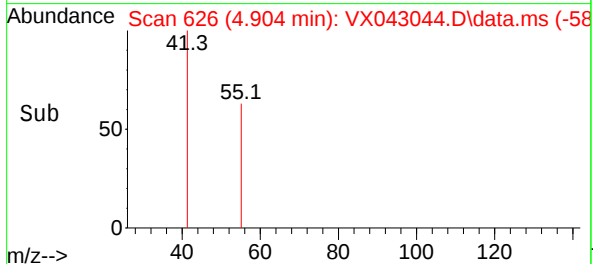
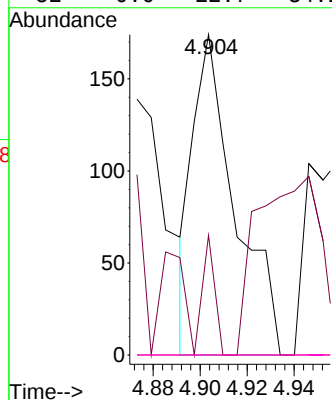


#41
Methacrylonitrile
Concen: 0.230 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.024 min
Lab File: VX043044.D
Acq: 14 Aug 2024 20:14

Instrument :
MSVOA_X
ClientSampleId :

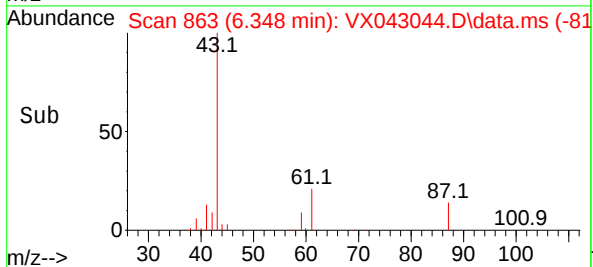
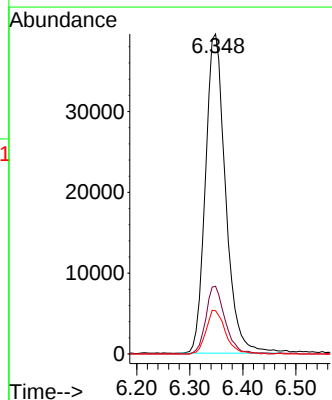
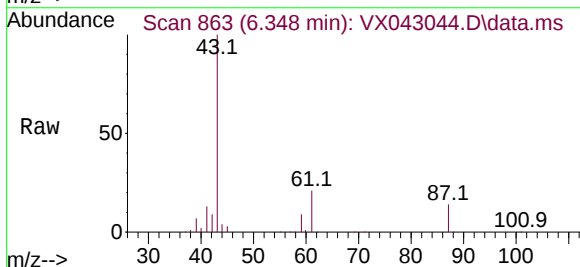


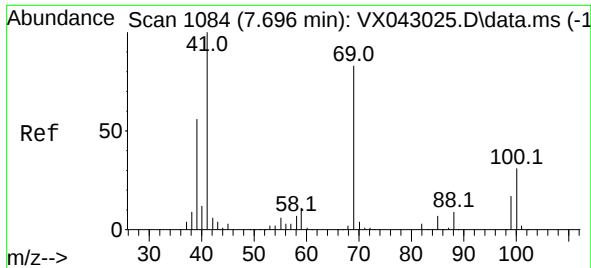
Tgt Ion	41	Resp: Lower	217 Upper
41	100		
39	0.0	45.2	67.8#
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#



#43
Isopropyl Acetate
Concen: 36.009 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.000 min
Lab File: VX043044.D
Acq: 14 Aug 2024 20:14

Tgt Ion: 43	Resp: 104104
Ion Ratio	Lower Upper
43 100	
61 20.2	15.2 22.8
87 13.1	9.8 14.6





#48

Methyl methacrylate

Concen: 2.211 ug/l

RT: 7.616 min Scan# 1107

Delta R.T. -0.079 min

Lab File: VX043044.D

Acq: 14 Aug 2024 20:14

Instrument :

MSVOA_X

ClientSampleId :

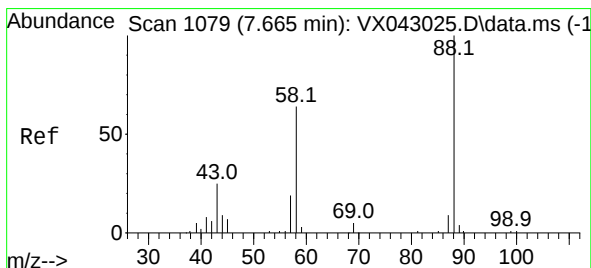
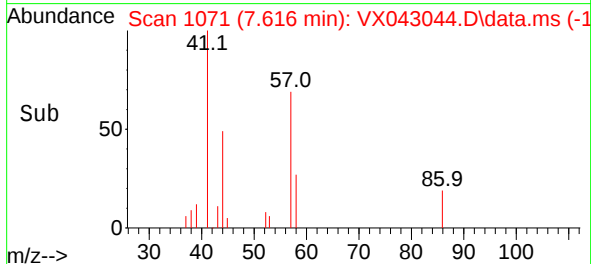
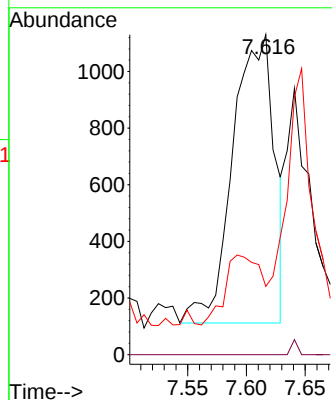
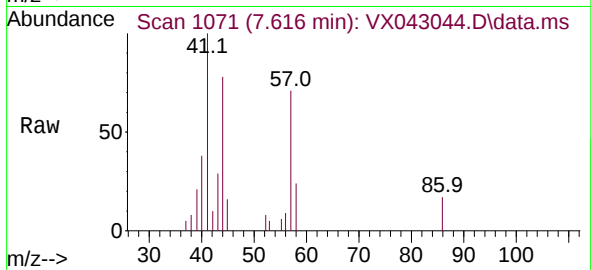
Tgt Ion: 41 Resp: 2507

Ion Ratio Lower Upper

41 100

69 0.0 59.2 88.8#

39 0.0 47.7 71.5#



#49

1,4-Dioxane

Concen: 2.905 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.140 min

Lab File: VX043044.D

Acq: 14 Aug 2024 20:14

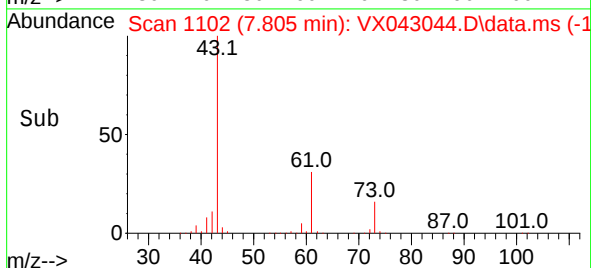
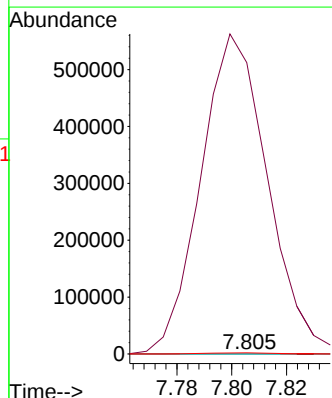
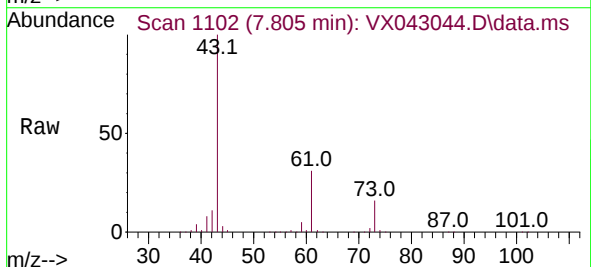
Tgt Ion: 88 Resp: 82

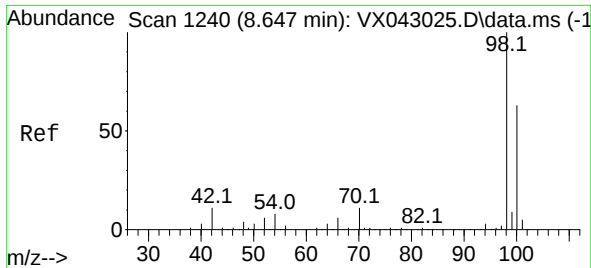
Ion Ratio Lower Upper

88 100

43 1185684.1 0.0 0.0#

58 4373.2 60.1 90.1#

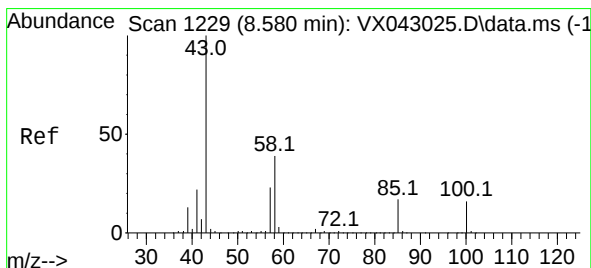
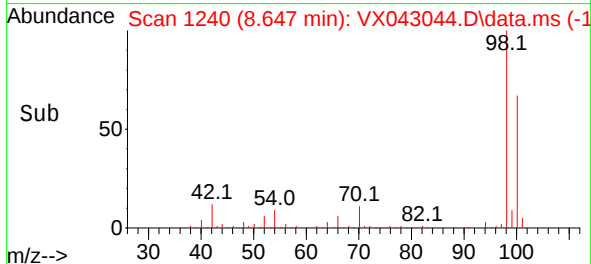
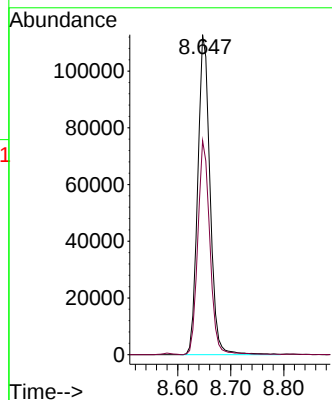
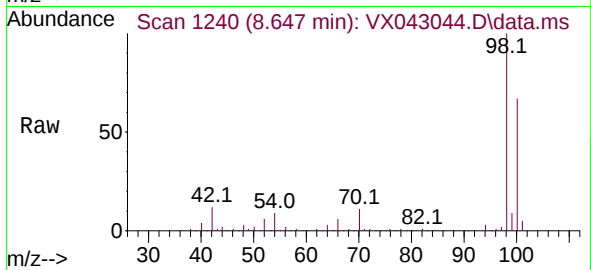




#50
Toluene-d8
Concen: 51.301 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043044.D
Acq: 14 Aug 2024 20:14

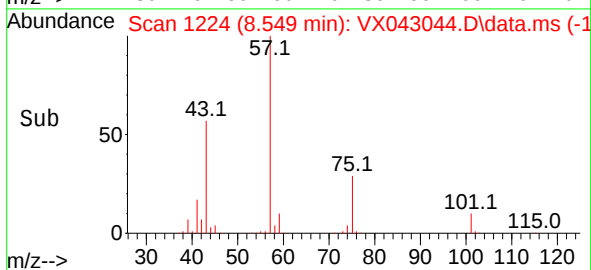
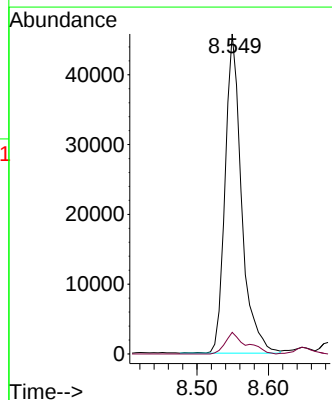
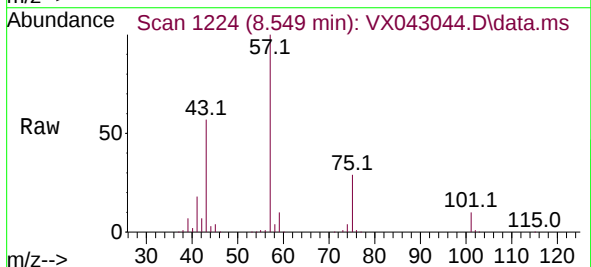
Instrument :
MSVOA_X
ClientSampleId :

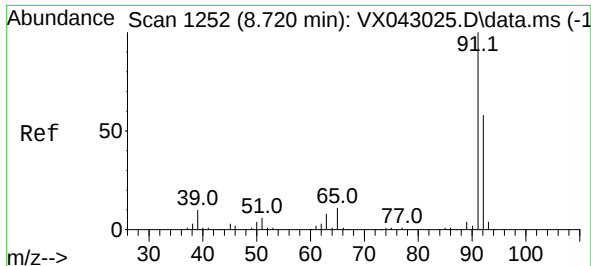
Tgt Ion: 98 Resp: 181319
Ion Ratio Lower Upper
98 100
100 65.9 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 39.795 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX043044.D
Acq: 14 Aug 2024 20:14

Tgt Ion: 43 Resp: 73116
Ion Ratio Lower Upper
43 100
58 8.7 30.4 45.6#





#52

Toluene

Concen: 0.296 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX043044.D

Acq: 14 Aug 2024 20:14

Instrument :

MSVOA_X

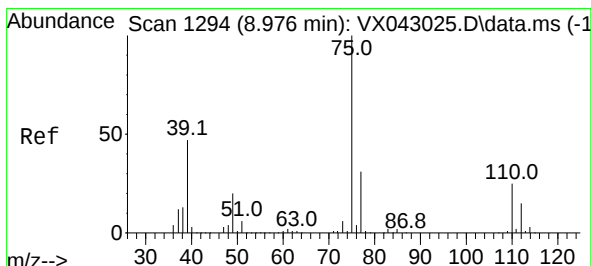
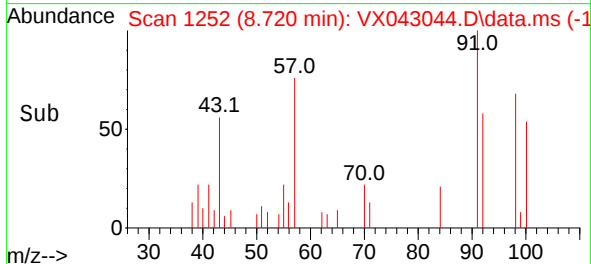
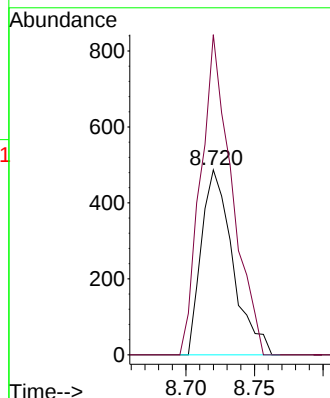
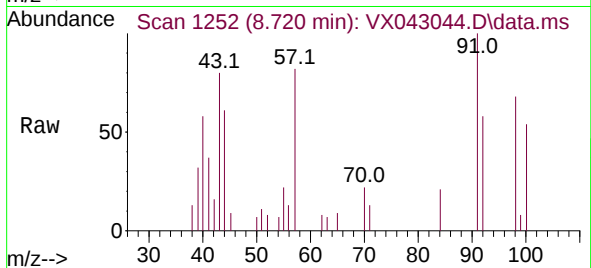
ClientSampleId :

Tgt Ion: 92 Resp: 774

Ion Ratio Lower Upper

92 100

91 171.7 134.2 201.2



#53

t-1,3-Dichloropropene

Concen: 0.407 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX043044.D

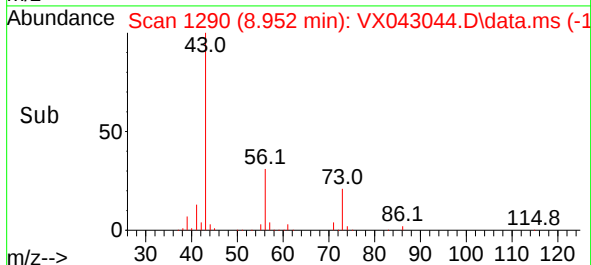
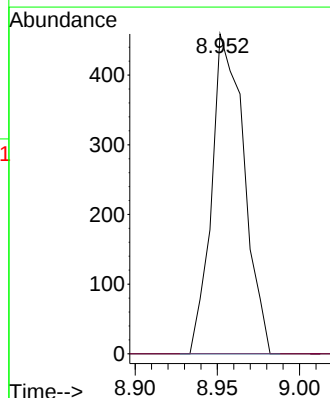
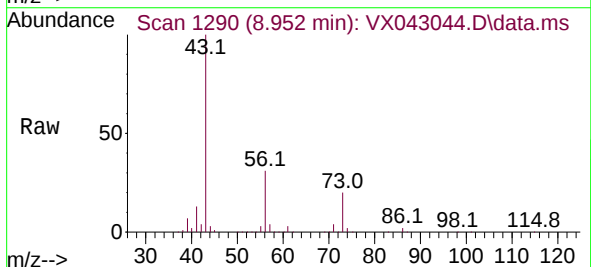
Acq: 14 Aug 2024 20:14

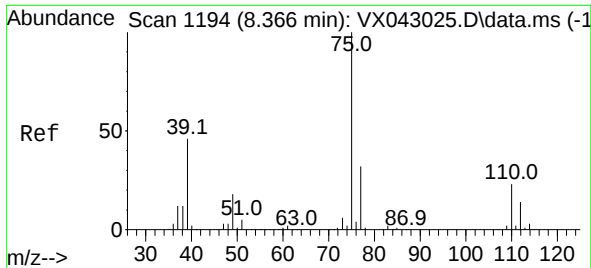
Tgt Ion: 75 Resp: 630

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

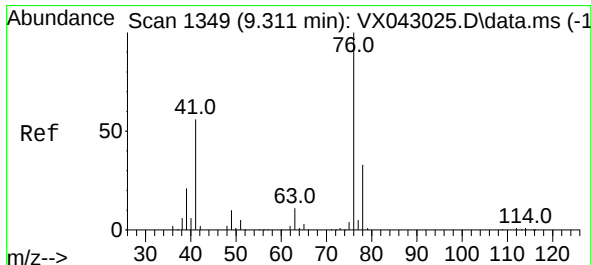
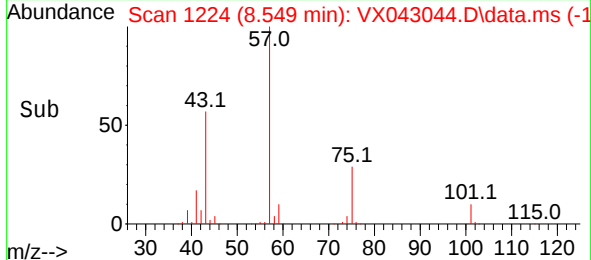
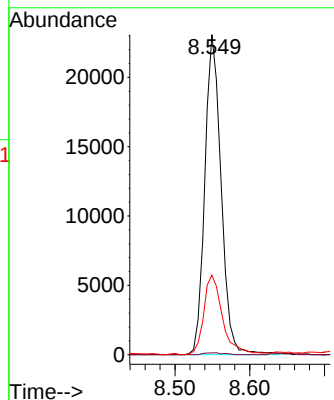
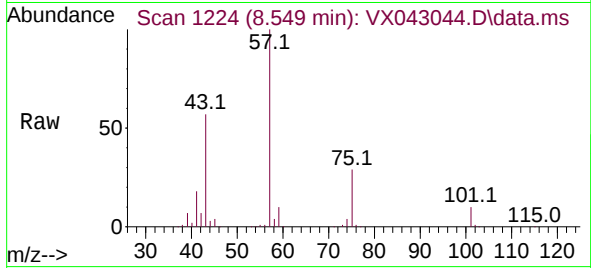




#54
cis-1,3-Dichloropropene
Concen: 20.577 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX043044.D
Acq: 14 Aug 2024 20:14

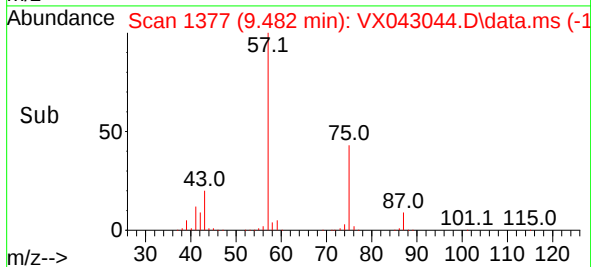
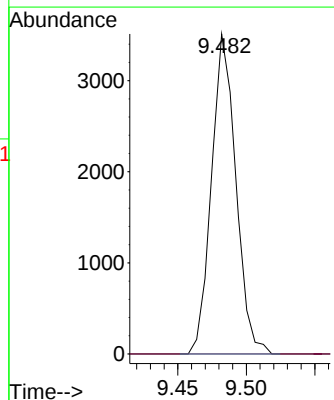
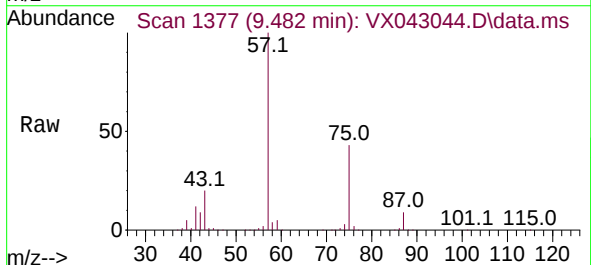
Instrument :
MSVOA_X
ClientSampleId :

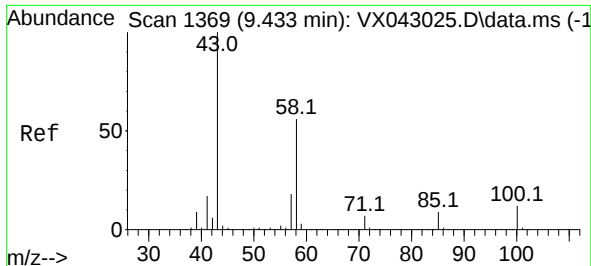
Tgt Ion: 75 Resp: 34989
Ion Ratio Lower Upper
75 100
77 0.5 25.3 37.9#
39 24.9 46.7 70.1#



#57
1,3-Dichloropropane
Concen: 2.487 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX043044.D
Acq: 14 Aug 2024 20:14

Tgt Ion: 76 Resp: 4334
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 4.561 ug/l

RT: 9.439 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX043044.D

Acq: 14 Aug 2024 20:14

Instrument :

MSVOA_X

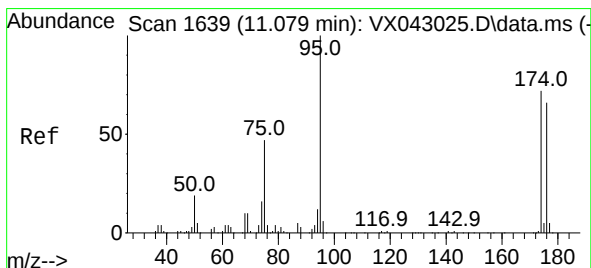
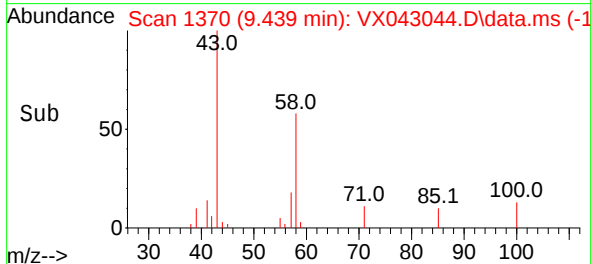
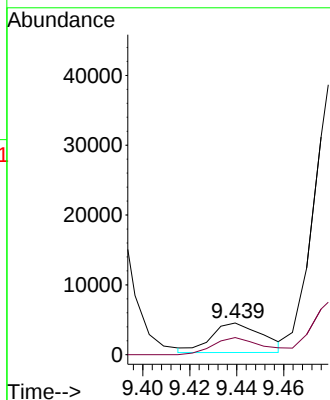
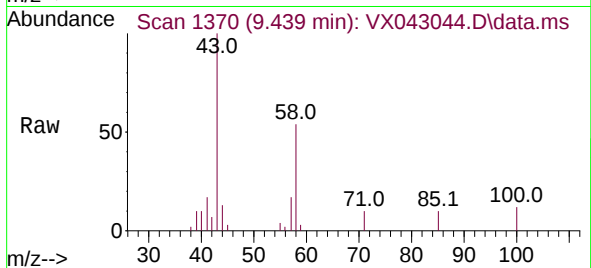
ClientSampleId :

Tgt Ion: 43 Resp: 6440

Ion Ratio Lower Upper

43 100

58 60.1 26.2 78.5



#62

4-Bromofluorobenzene

Concen: 50.362 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX043044.D

Acq: 14 Aug 2024 20:14

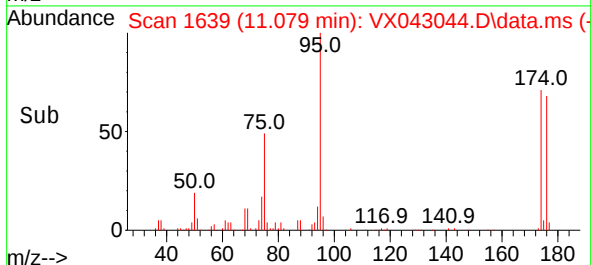
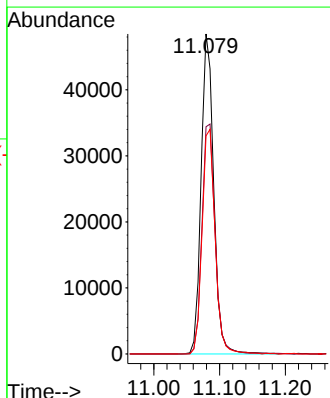
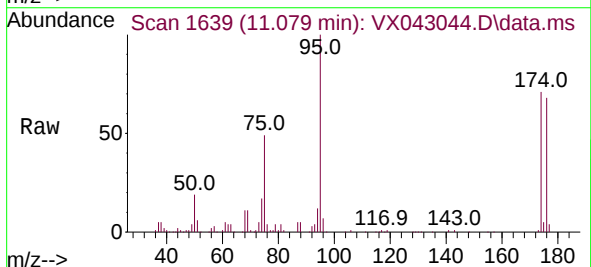
Tgt Ion: 95 Resp: 64543

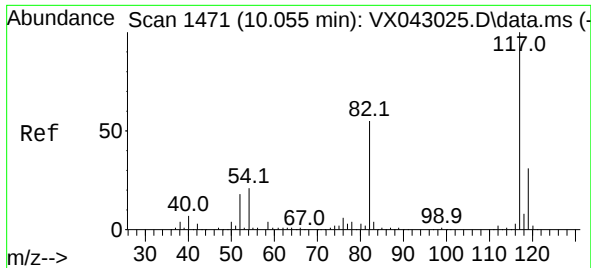
Ion Ratio Lower Upper

95 100

174 74.8 0.0 135.6

176 72.7 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: VX043044.D

Acq: 14 Aug 2024 20:14

Instrument :

MSVOA_X

ClientSampleId :

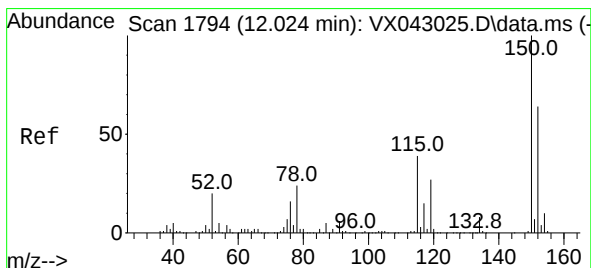
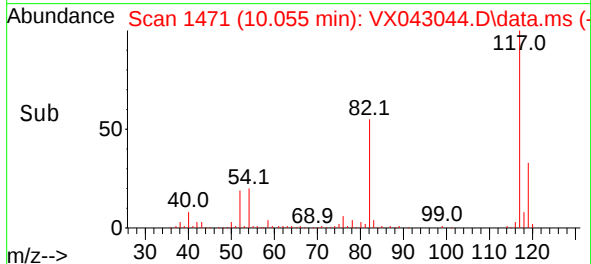
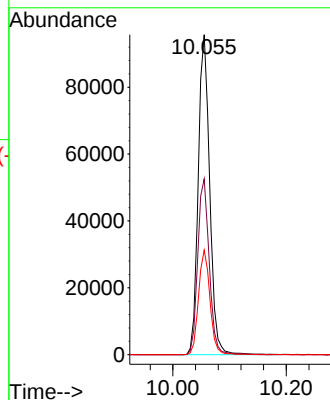
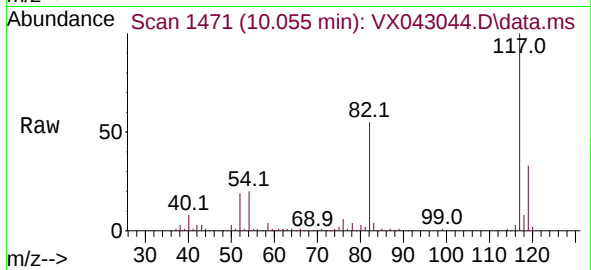
Tgt Ion:117 Resp: 134266

Ion Ratio Lower Upper

117 100

82 55.0 46.2 69.4

119 32.7 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX043044.D

Acq: 14 Aug 2024 20:14

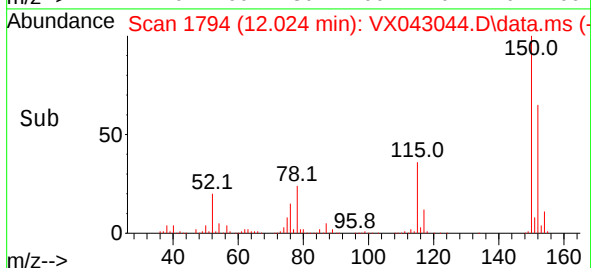
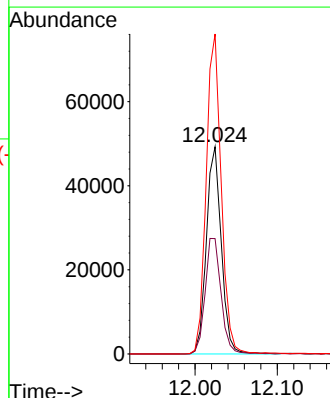
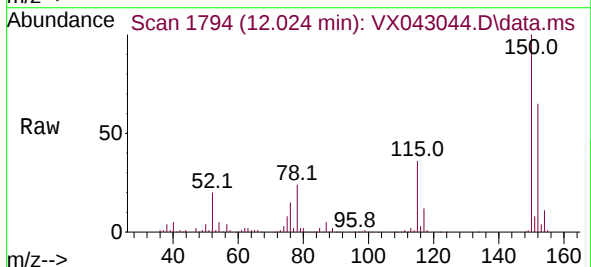
Tgt Ion:152 Resp: 62243

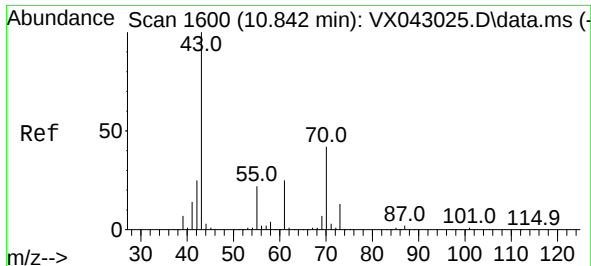
Ion Ratio Lower Upper

152 100

115 59.3 43.3 129.9

150 154.9 0.0 345.0

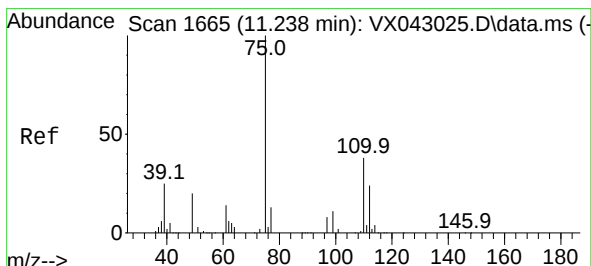
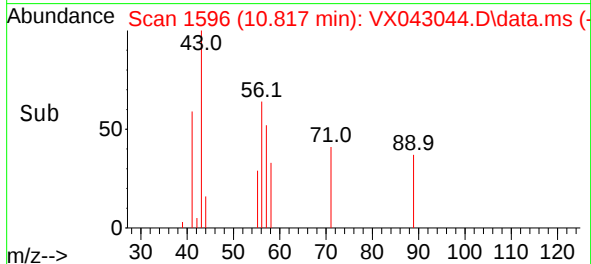
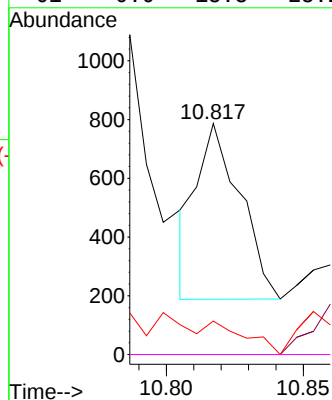
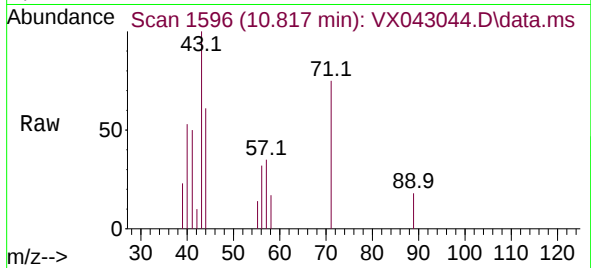




#74
N-amyI acetate
Concen: 0.244 ug/l
RT: 10.817 min Scan# 1639
Delta R.T. -0.024 min
Lab File: VX043044.D
Acq: 14 Aug 2024 20:14

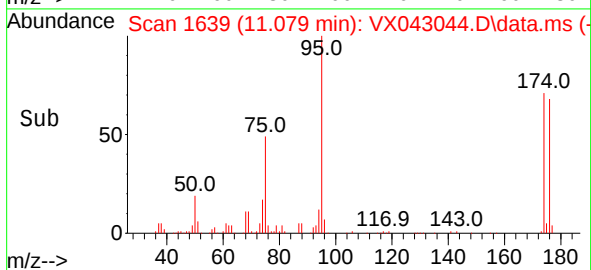
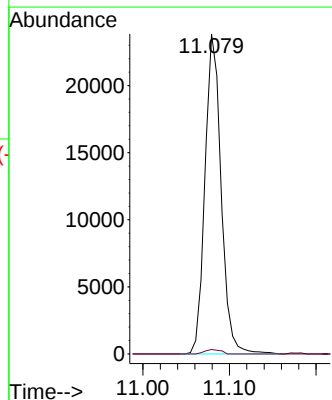
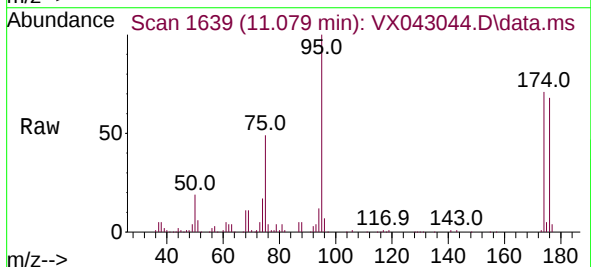
Instrument :
MSVOA_X
ClientSampleId :

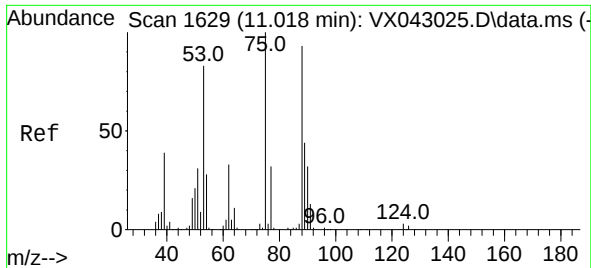
Tgt Ion: 43	Resp: 660
Ion Ratio	Lower Upper
43	100
70	0.0 32.9 49.3#
55	0.0 19.3 28.9#
61	0.0 18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 21.674 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043044.D
Acq: 14 Aug 2024 20:14

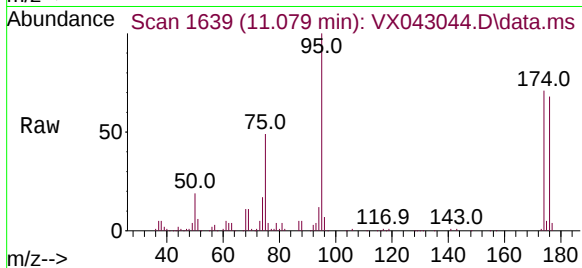
Tgt Ion: 75	Resp: 30918
Ion Ratio	Lower Upper
75	100
77	1.4 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.276 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043044.D
 Acq: 14 Aug 2024 20:14

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 30918
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

