

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
 Data File : VX043625.D
 Acq On : 30 Oct 2024 15:34
 Operator : JC/MD
 Sample : PB164501ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 31 22:59:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

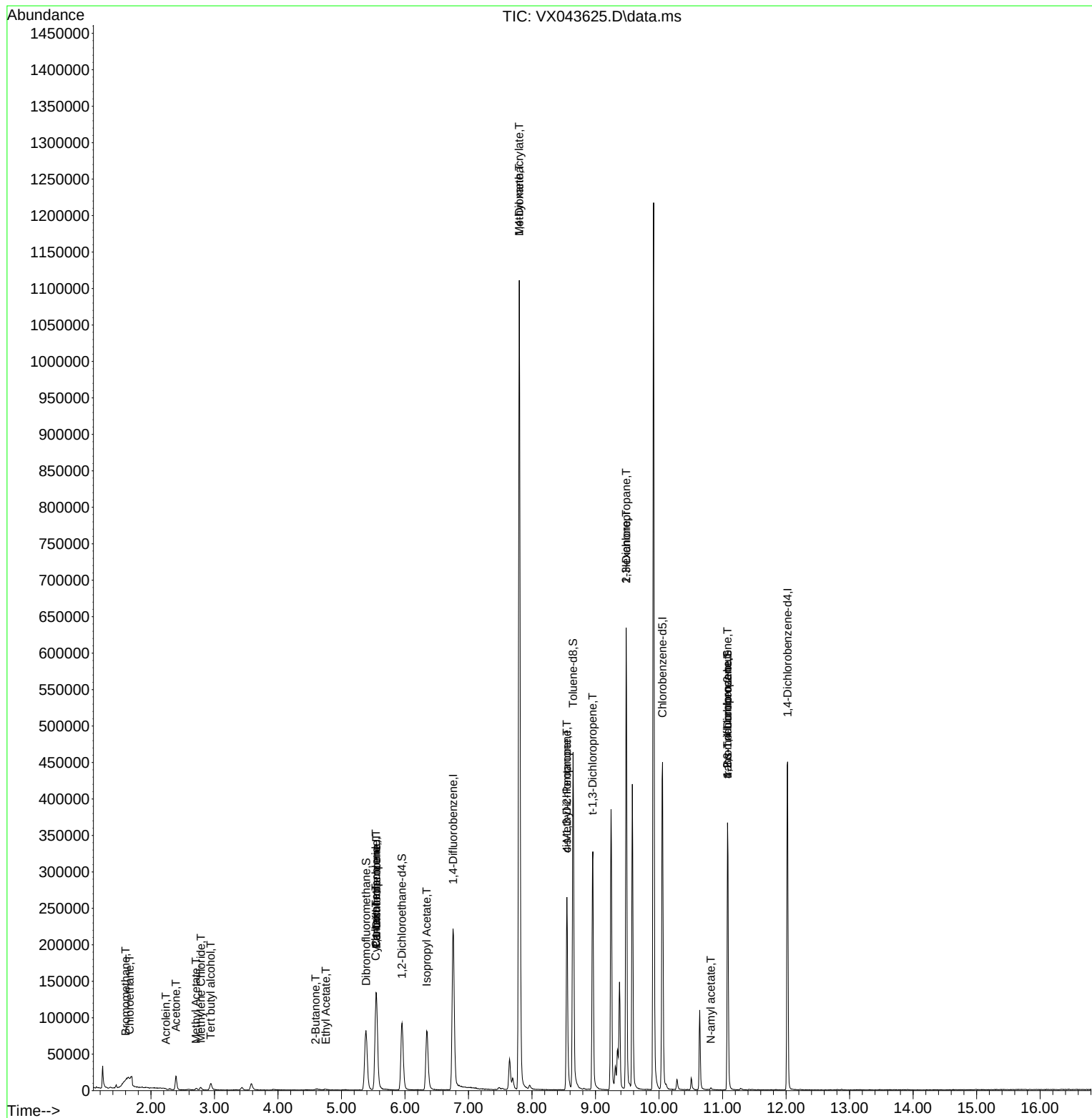
Internal Standards						
1) Pentafluorobenzene	5.550	168	133997	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	248919	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218634	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89032	41.670	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.340%		
35) Dibromofluoromethane	5.385	113	74336	44.040	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.080%		
50) Toluene-d8	8.647	98	288118	49.311	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.620%		
62) 4-Bromofluorobenzene	11.079	95	102930	47.540	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.080%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	151	0.218	ug/l #	2
6) Chloroethane	1.666	64	131	0.219	ug/l #	43
11) Tert butyl alcohol	2.940	59	5296	13.280	ug/l #	100
13) Acrolein	2.233	56	72	0.231	ug/l #	51
16) Acetone	2.392	43	21359	25.174	ug/l	94
18) Methyl Acetate	2.709	43	3211	1.295	ug/l	92
20) Methylene Chloride	2.788	84	1936	1.059	ug/l #	79
25) 2-Butanone	4.593	43	934	0.755	ug/l #	79
31) Cyclohexane	5.537	56	2365	1.048	ug/l #	23
36) 1,1-Dichloropropene	5.550	75	10125	5.059	ug/l #	50
37) Ethyl Acetate	4.751	43	2714	1.117	ug/l #	76
38) Carbon Tetrachloride	5.544	117	13718	6.203	ug/l #	17
43) Isopropyl Acetate	6.342	43	116597	29.016	ug/l	97
48) Methyl methacrylate	7.799	41	91726	48.145	ug/l #	41
49) 1,4-Dioxane	7.799	88	156	3.985	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	89780	36.657	ug/l #	49
53) t-1,3-Dichloropropene	8.951	75	887	0.372	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	46719	18.383	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	5676	2.025	ug/l #	42
59) 2-Hexanone	9.482	43	72775	39.122	ug/l #	52
74) N-amyl acetate	10.817	43	915	0.256	ug/l #	42
76) 1,2,3-Trichloropropane	11.079	75	49626	22.438	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	49626	61.729	ug/l #	7

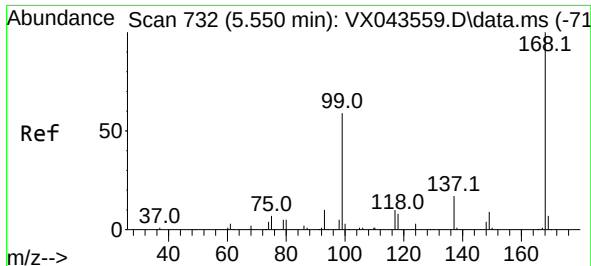
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043625.D
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Sample : PB164501ZHE#03
Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 31 22:59:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

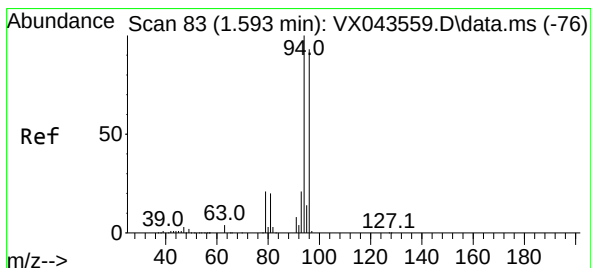
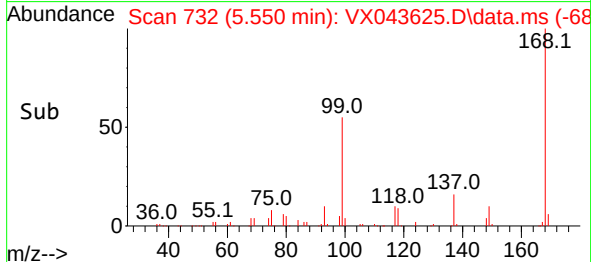
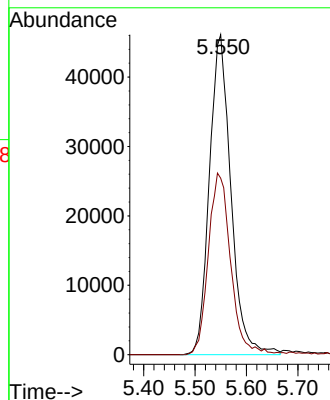
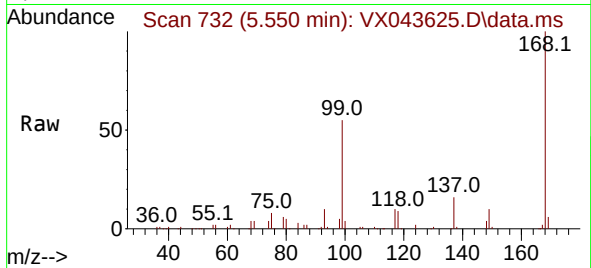




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043625.D
Acq: 30 Oct 2024 15:34

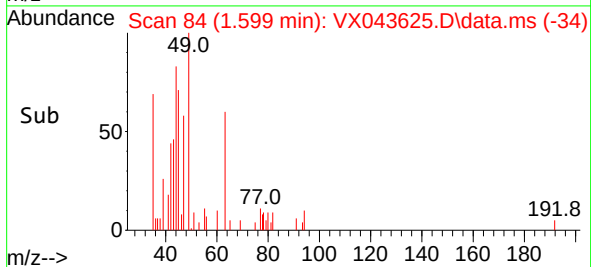
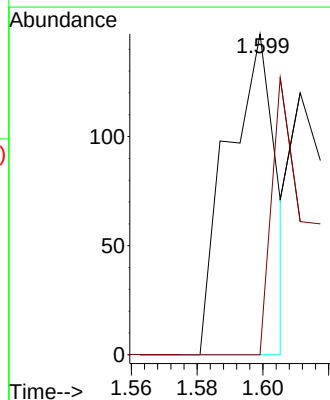
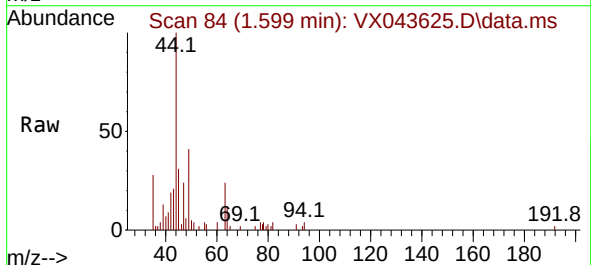
Instrument :
MSVOA_X
ClientSampleId :

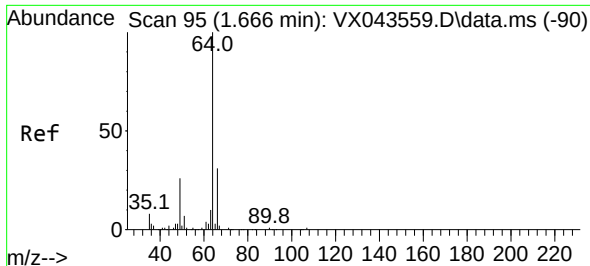
Tgt Ion:168 Resp: 133997
Ion Ratio Lower Upper
168 100
99 55.1 52.6 78.8



#5
Bromomethane
Concen: 0.218 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043625.D
Acq: 30 Oct 2024 15:34

Tgt Ion: 94 Resp: 151
Ion Ratio Lower Upper
94 100
96 0.0 75.9 113.9#

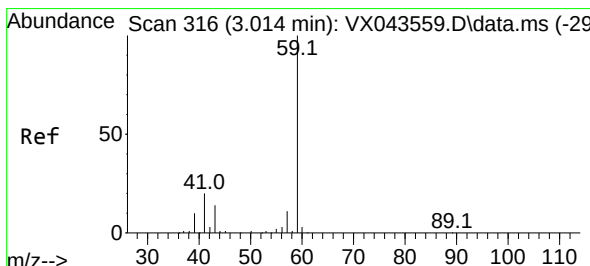
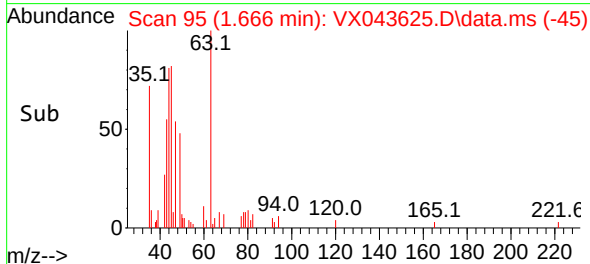
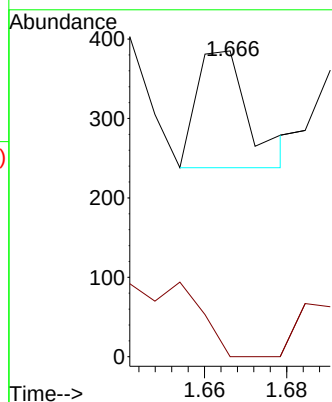
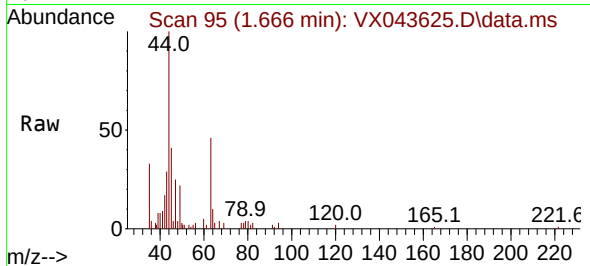




#6
Chloroethane
Concen: 0.219 ug/l
RT: 1.666 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX043625.D
Acq: 30 Oct 2024 15:34

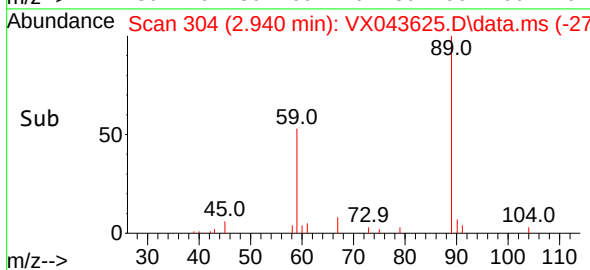
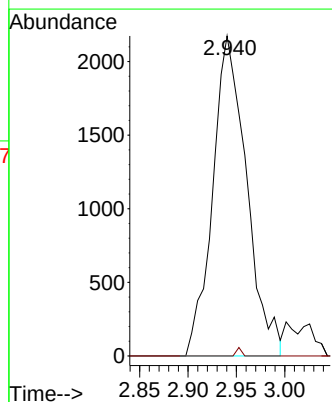
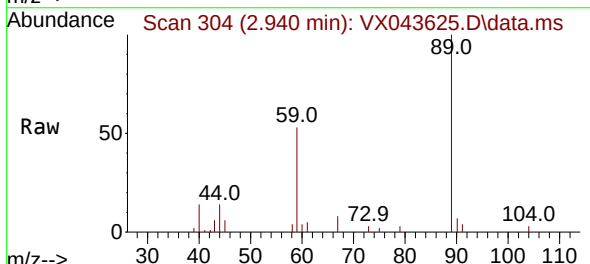
Instrument :
MSVOA_X
ClientSampleId :

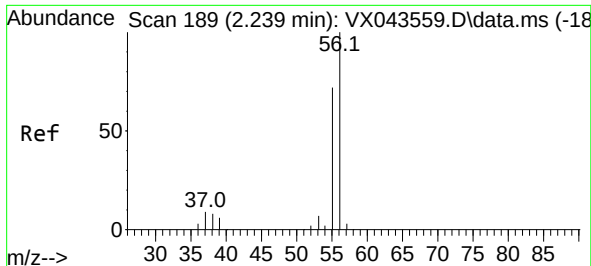
Tgt Ion: 64 Resp: 131
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 13.280 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.110 min
Lab File: VX043625.D
Acq: 30 Oct 2024 15:34

Tgt Ion: 59 Resp: 5296
Ion Ratio Lower Upper
59 100
57 0.4 0.0 0.0#

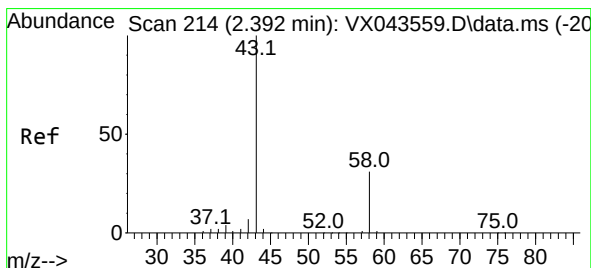
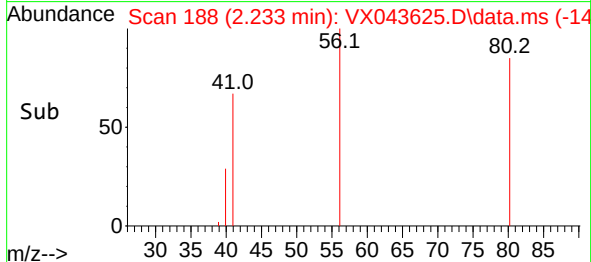
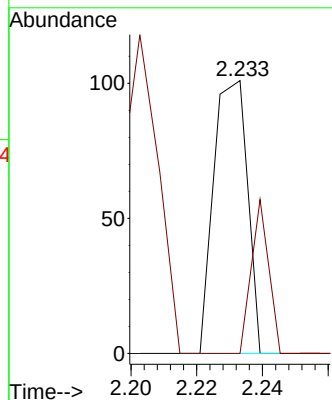
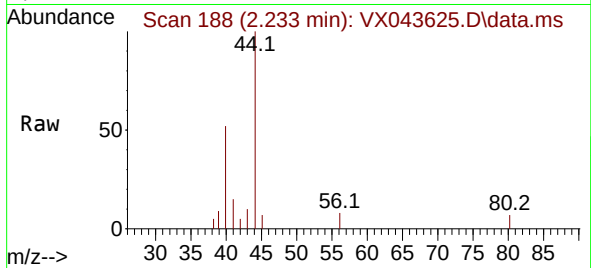




#13
Acrolein
Concen: 0.231 ug/l
RT: 2.233 min Scan# 189
Delta R.T. -0.006 min
Lab File: VX043625.D
Acq: 30 Oct 2024 15:34

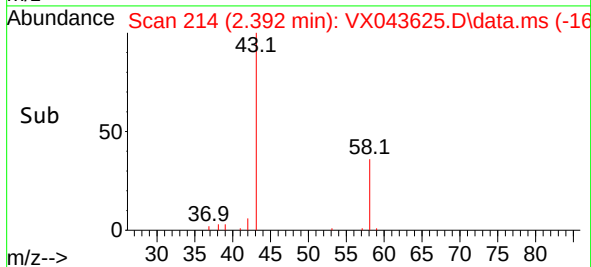
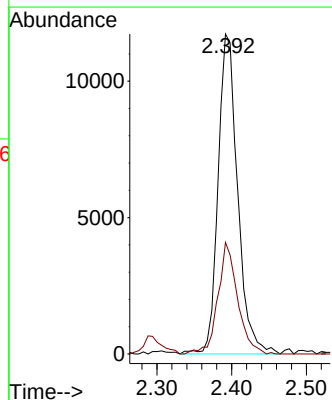
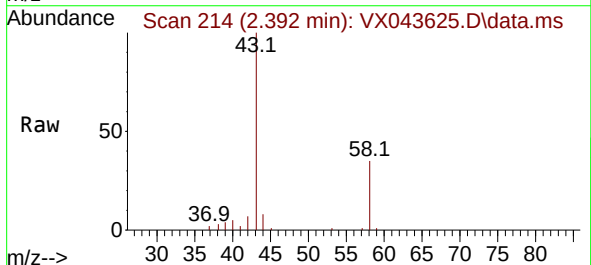
Instrument :
MSVOA_X
ClientSampleId :

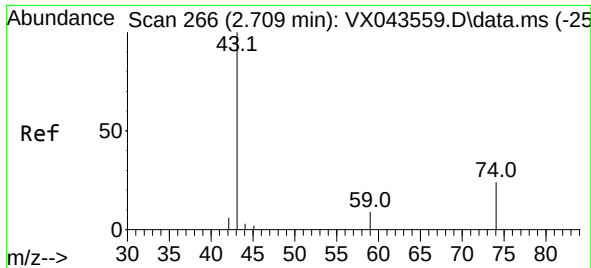
Tgt Ion: 56 Resp: 72
Ion Ratio Lower Upper
56 100
55 29.2 55.3 82.9#



#16
Acetone
Concen: 25.174 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043625.D
Acq: 30 Oct 2024 15:34

Tgt Ion: 43 Resp: 21359
Ion Ratio Lower Upper
43 100
58 34.8 25.1 37.7

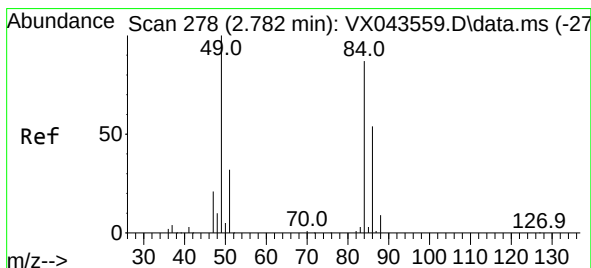
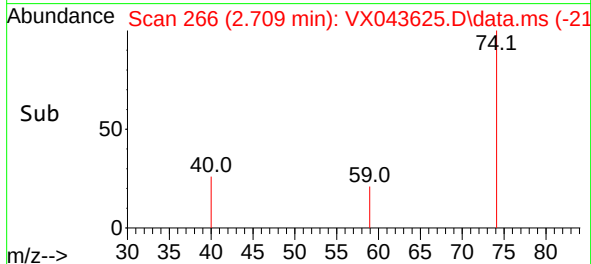
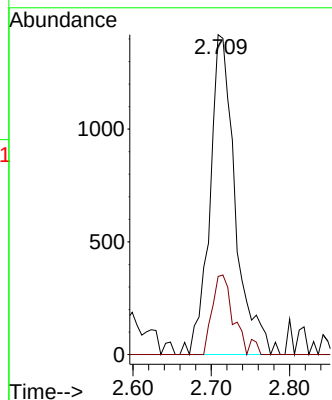
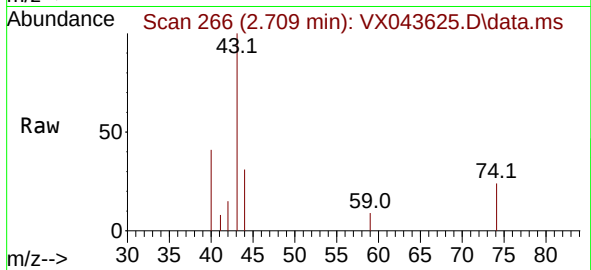




#18
Methyl Acetate
Concen: 1.295 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043625.D
Acq: 30 Oct 2024 15:34

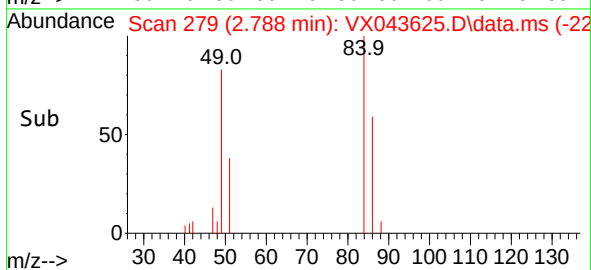
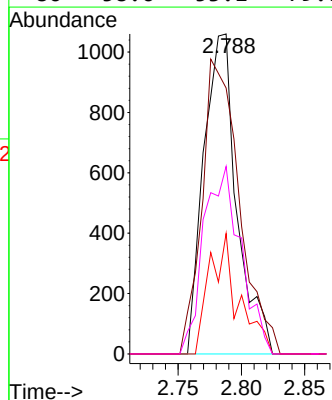
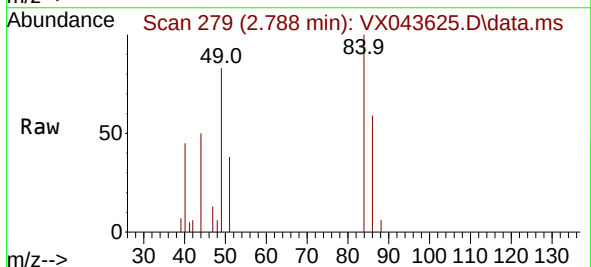
Instrument :
MSVOA_X
ClientSampleId :

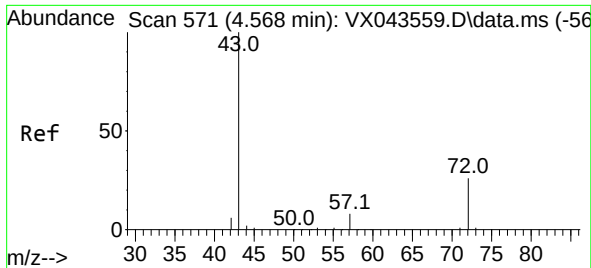
Tgt Ion: 43 Resp: 3211
Ion Ratio Lower Upper
43 100
74 19.7 19.1 28.7



#20
Methylene Chloride
Concen: 1.059 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX043625.D
Acq: 30 Oct 2024 15:34

Tgt Ion: 84 Resp: 1936
Ion Ratio Lower Upper
84 100
49 83.1 97.0 145.6#
51 37.6 29.8 44.8
86 58.6 53.1 79.7

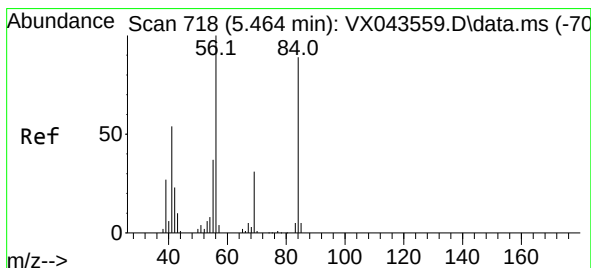
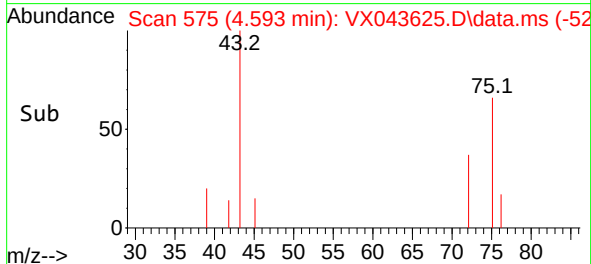
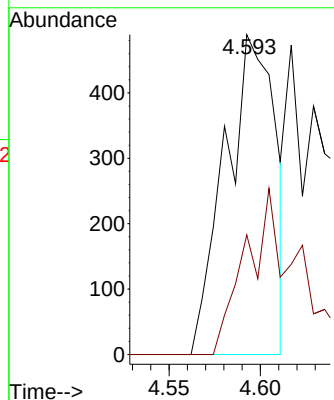
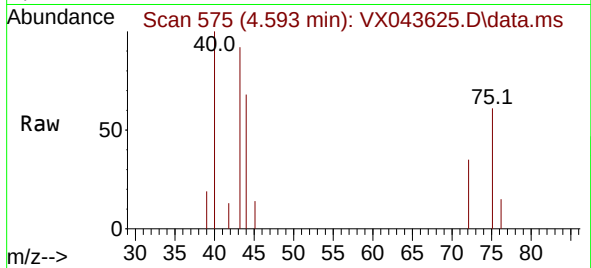




#25
2-Butanone
Concen: 0.755 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX043625.D
Acq: 30 Oct 2024 15:34

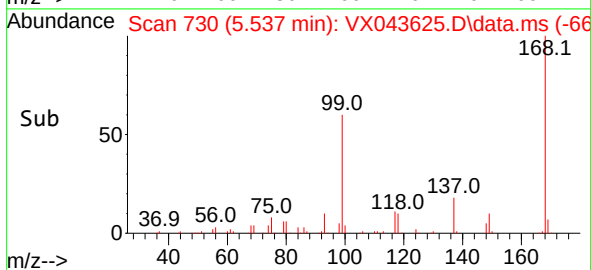
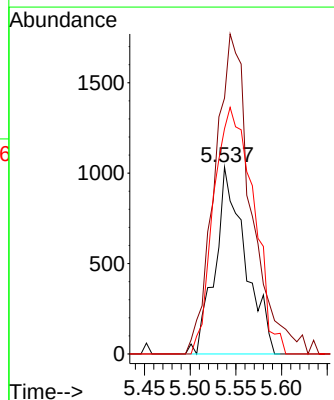
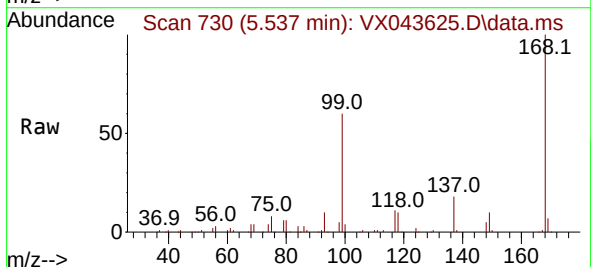
Instrument :
MSVOA_X
ClientSampleId :

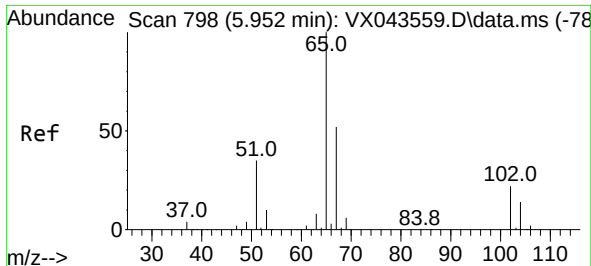
Tgt Ion: 43 Resp: 934
Ion Ratio Lower Upper
43 100
72 37.4 21.1 31.7#



#31
Cyclohexane
Concen: 1.048 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX043625.D
Acq: 30 Oct 2024 15:34

Tgt Ion: 56 Resp: 2365
Ion Ratio Lower Upper
56 100
69 136.8 24.9 37.3#
84 127.3 73.3 109.9#

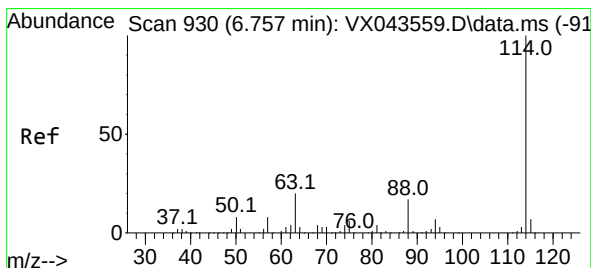
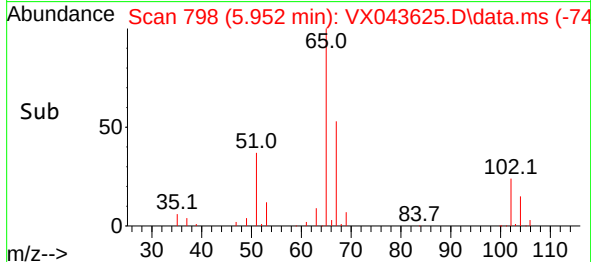
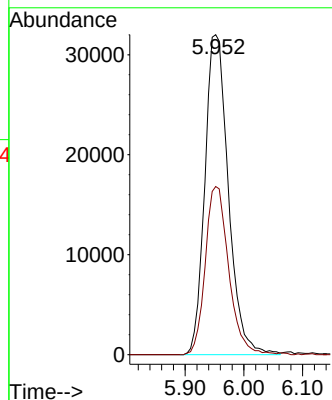
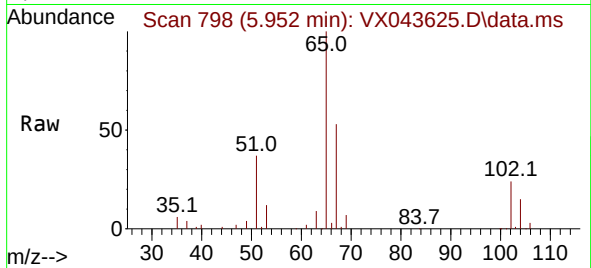




#33
 1,2-Dichloroethane-d4
 Concen: 41.670 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX043625.D
 Acq: 30 Oct 2024 15:34

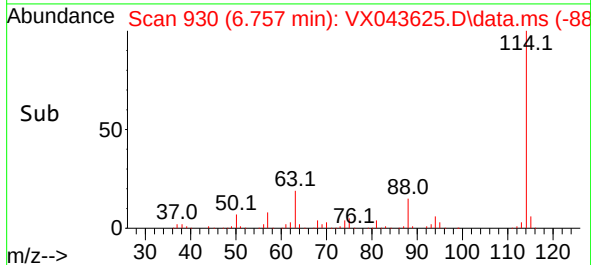
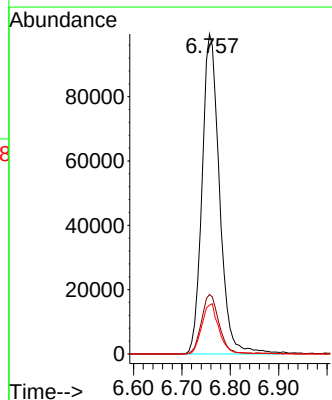
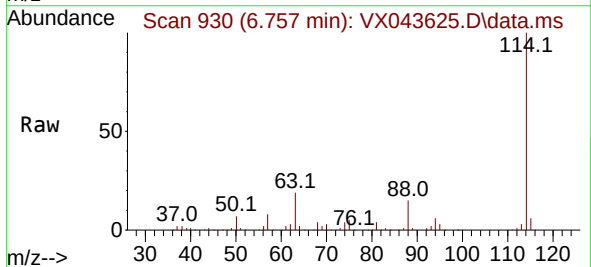
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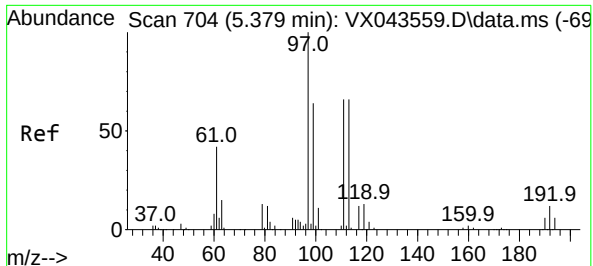
Tgt Ion: 65 Resp: 89032
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX043625.D
 Acq: 30 Oct 2024 15:34

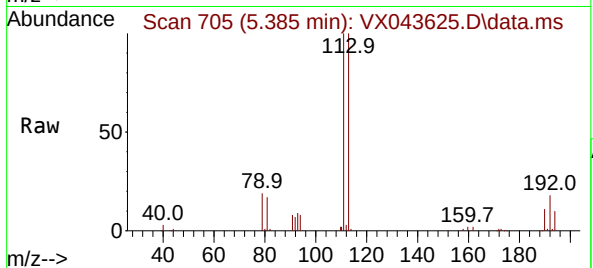
Tgt Ion: 114 Resp: 248919
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 41.2
 88 15.3 0.0 34.0



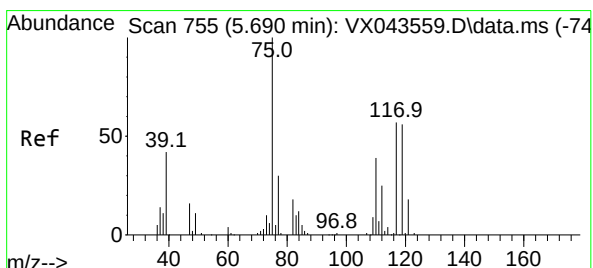
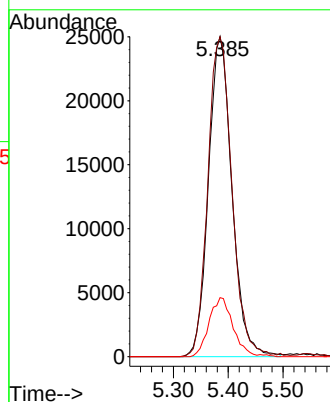
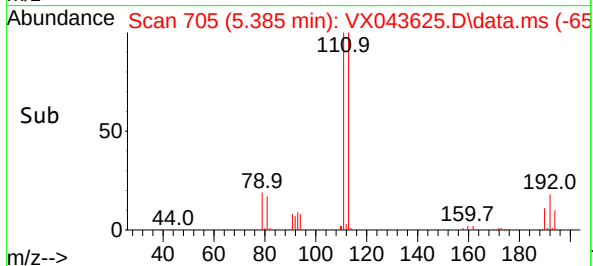


#35
Dibromofluoromethane
Concen: 44.040 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX043625.D
Acq: 30 Oct 2024 15:34

Instrument :
MSVOA_X
ClientSampleId :

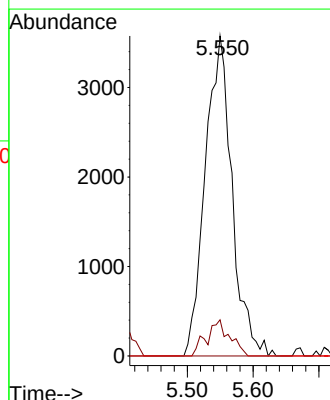
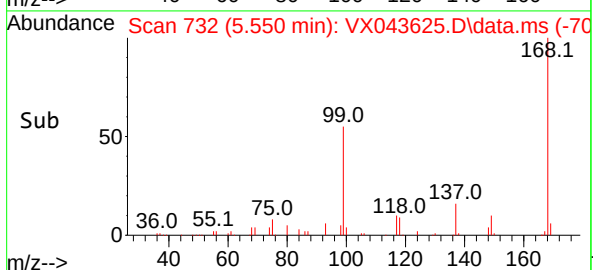
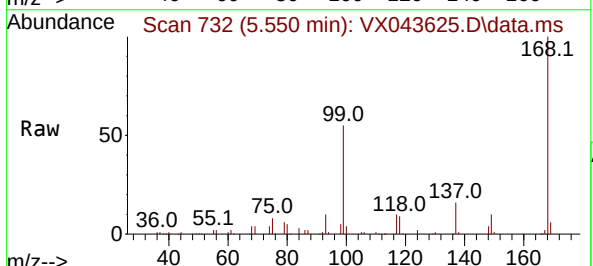


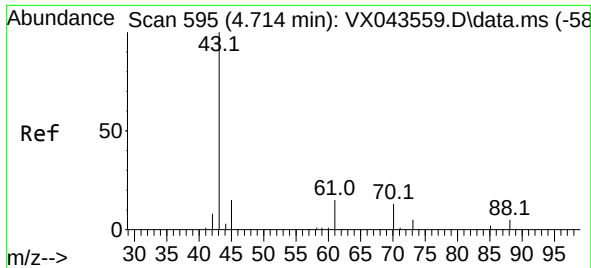
Tgt Ion:113 Resp: 74336
Ion Ratio Lower Upper
113 100
111 102.4 81.4 122.0
192 19.0 14.1 21.1



#36
1,1-Dichloropropene
Concen: 5.059 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX043625.D
Acq: 30 Oct 2024 15:34

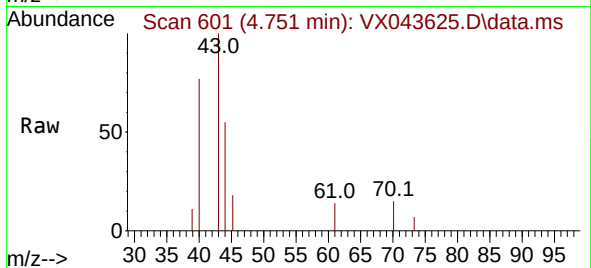
Tgt Ion: 75 Resp: 10125
Ion Ratio Lower Upper
75 100
110 9.7 17.9 53.7#
77 0.0 25.0 37.4#



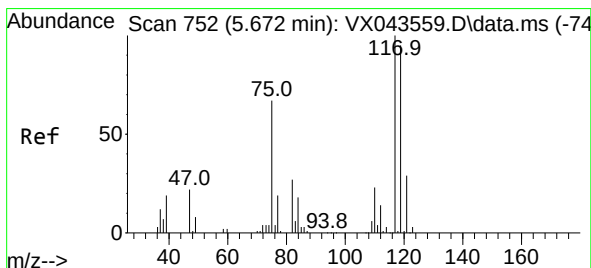
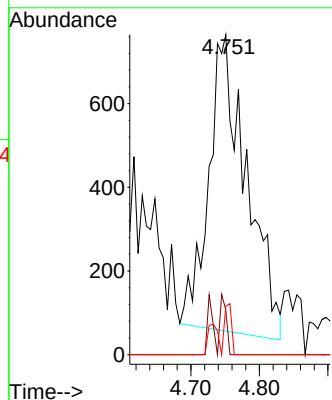
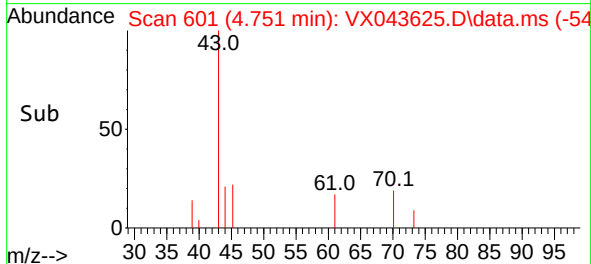


#37
Ethyl Acetate
Concen: 1.117 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.030 min
Lab File: VX043625.D
Acq: 30 Oct 2024 15:34

Instrument :
MSVOA_X
ClientSampleId :

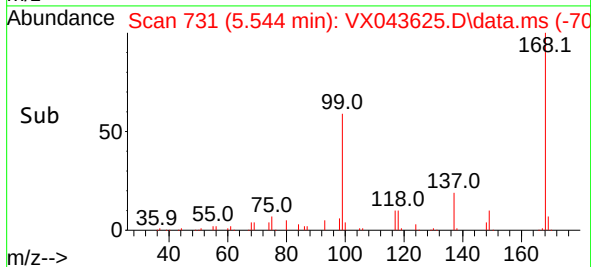
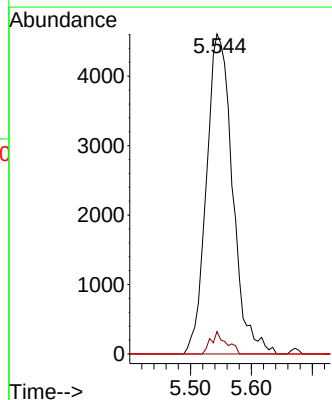
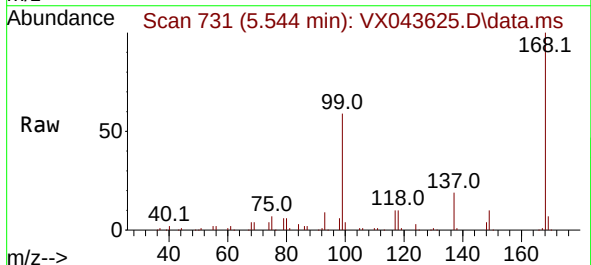


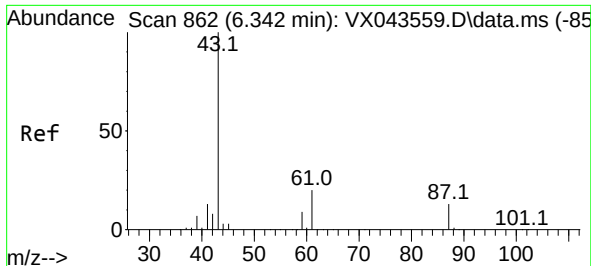
Tgt Ion: 43 Resp: 2714
Ion Ratio Lower Upper
43 100
61 3.4 11.0 16.6#
70 3.2 8.9 13.3#



#38
Carbon Tetrachloride
Concen: 6.203 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX043625.D
Acq: 30 Oct 2024 15:34

Tgt Ion: 117 Resp: 13718
Ion Ratio Lower Upper
117 100
119 7.0 77.0 115.6#
121 0.0 24.7 37.1#

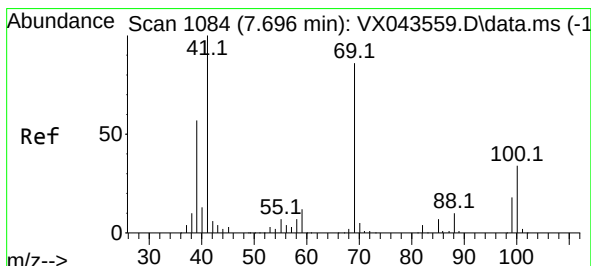
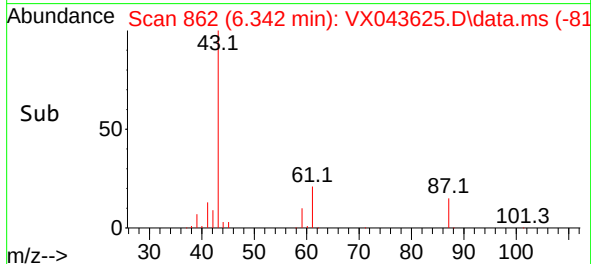
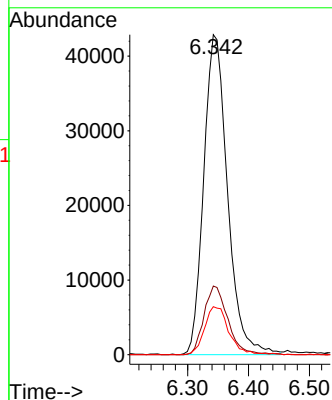
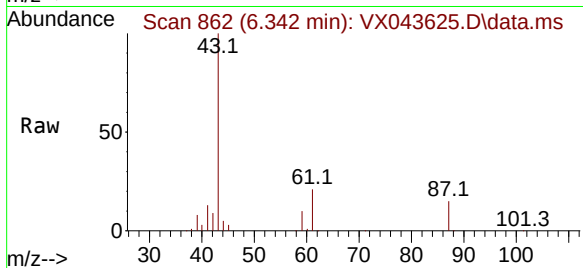




#43
Isopropyl Acetate
Concen: 29.016 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX043625.D
Acq: 30 Oct 2024 15:34

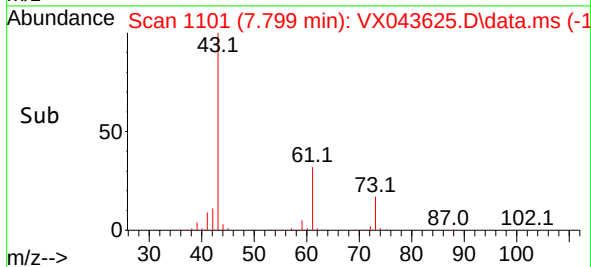
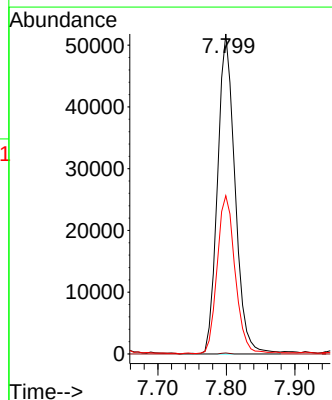
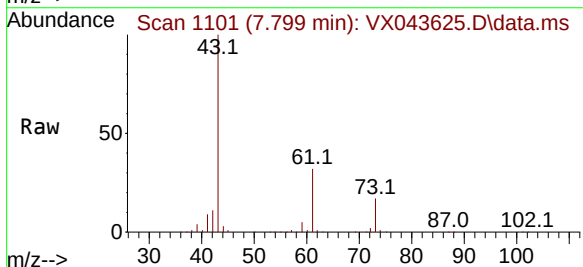
Instrument :
MSVOA_X
ClientSampleId :

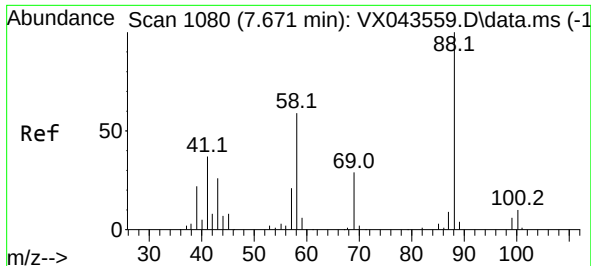
Tgt Ion: 43 Resp: 116597
Ion Ratio Lower Upper
43 100
61 21.5 16.2 24.4
87 15.2 11.0 16.6



#48
Methyl methacrylate
Concen: 48.145 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043625.D
Acq: 30 Oct 2024 15:34

Tgt Ion: 41 Resp: 91726
Ion Ratio Lower Upper
41 100
69 0.1 67.7 101.5#
39 50.9 46.3 69.5





#49

1,4-Dioxane

Concen: 3.985 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.128 min

Lab File: VX043625.D

Acq: 30 Oct 2024 15:34

Instrument :

MSVOA_X

ClientSampleId :

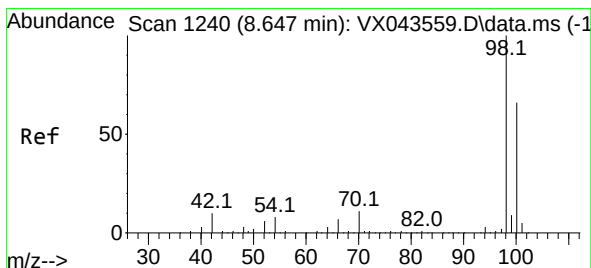
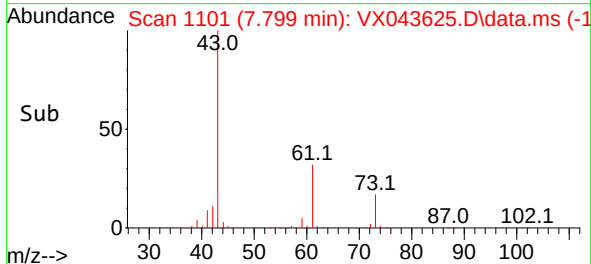
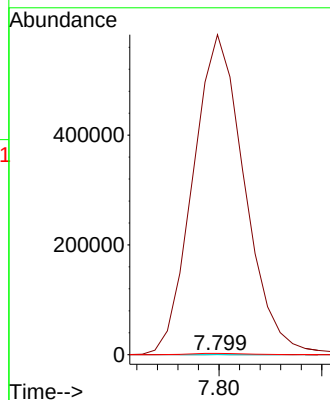
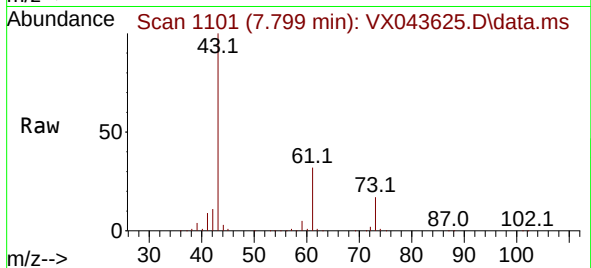
Tgt Ion: 88 Resp: 156

Ion Ratio Lower Upper

88 100

43 662302.6 25.3 37.9#

58 3085.9 53.9 80.9#



#50

Toluene-d8

Concen: 49.311 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX043625.D

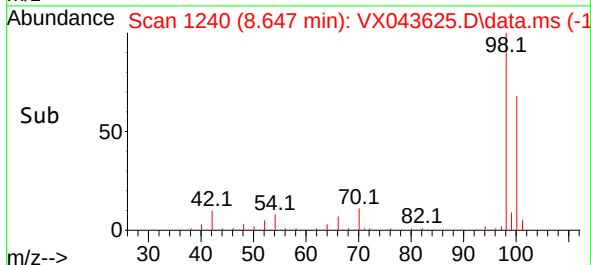
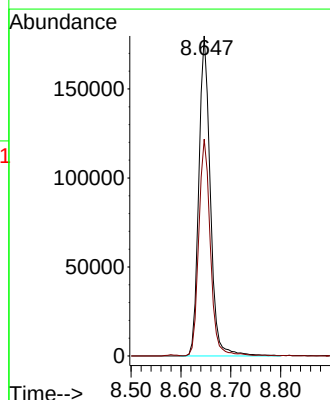
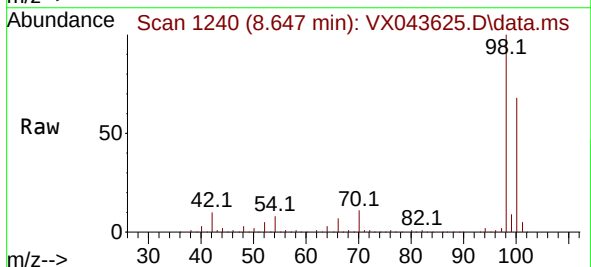
Acq: 30 Oct 2024 15:34

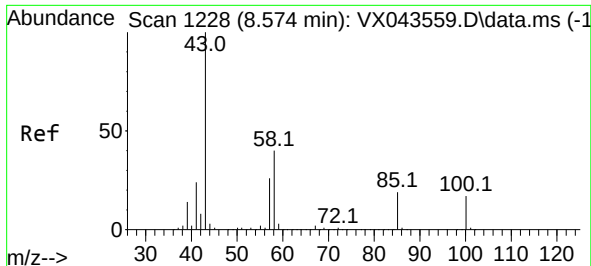
Tgt Ion: 98 Resp: 288118

Ion Ratio Lower Upper

98 100

100 68.0 53.4 80.2





#51

4-Methyl-2-Pentanone

Concen: 36.657 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX043625.D

Acq: 30 Oct 2024 15:34

Instrument :

MSVOA_X

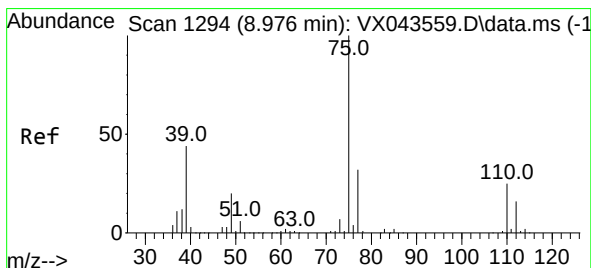
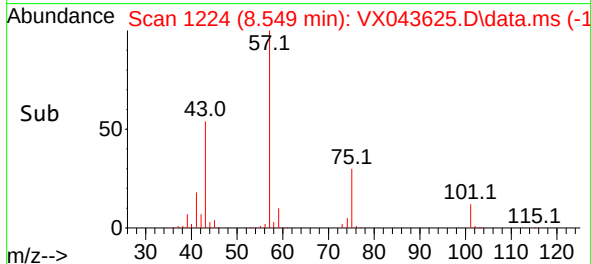
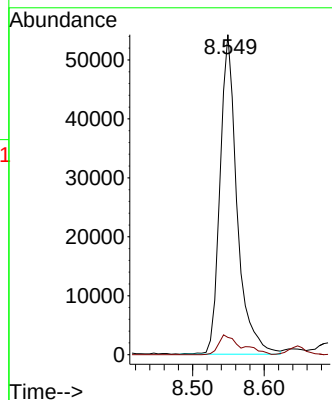
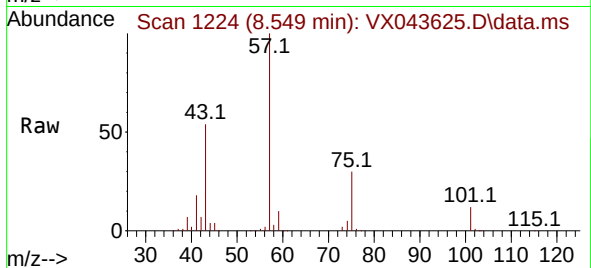
ClientSampleId :

Tgt Ion: 43 Resp: 89780

Ion Ratio Lower Upper

43 100

58 8.3 31.7 47.5#



#53

t-1,3-Dichloropropene

Concen: 0.372 ug/l

RT: 8.951 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX043625.D

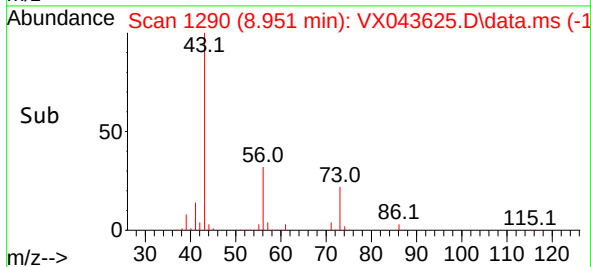
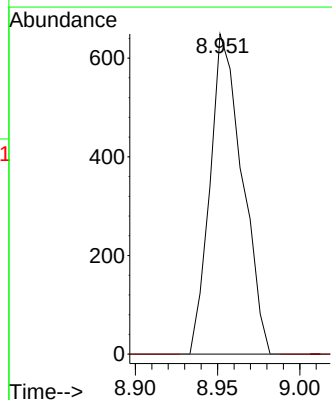
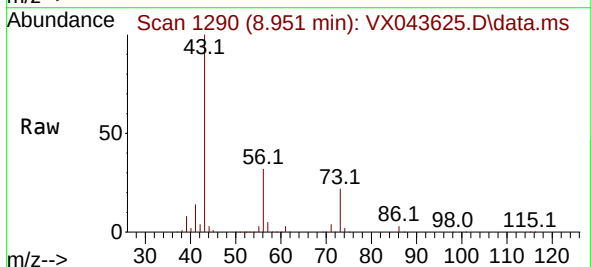
Acq: 30 Oct 2024 15:34

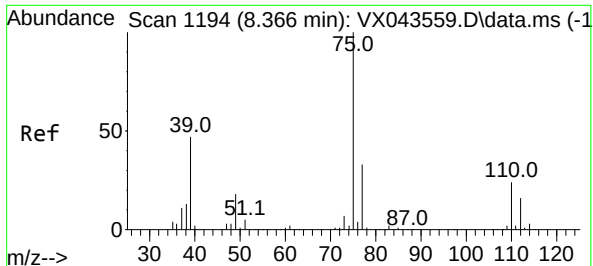
Tgt Ion: 75 Resp: 887

Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#

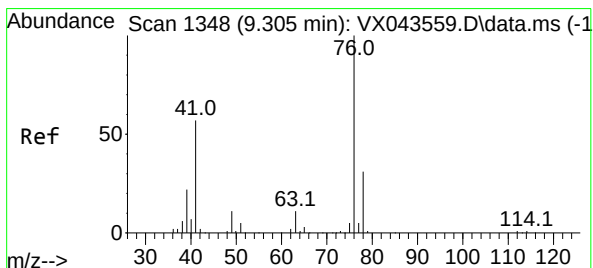
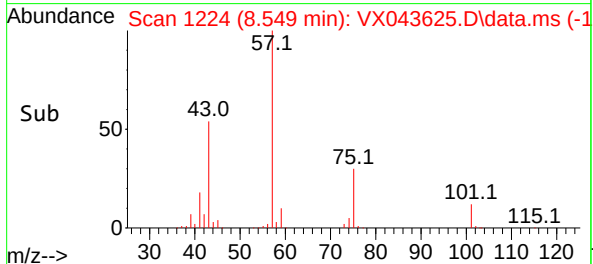
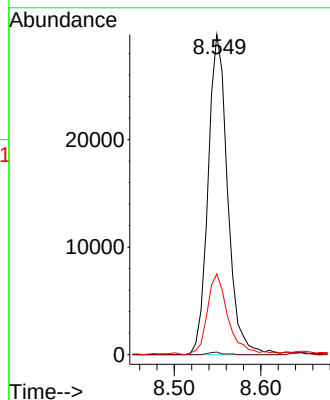
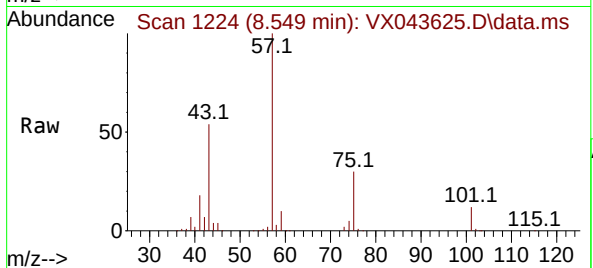




#54
cis-1,3-Dichloropropene
Concen: 18.383 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX043625.D
Acq: 30 Oct 2024 15:34

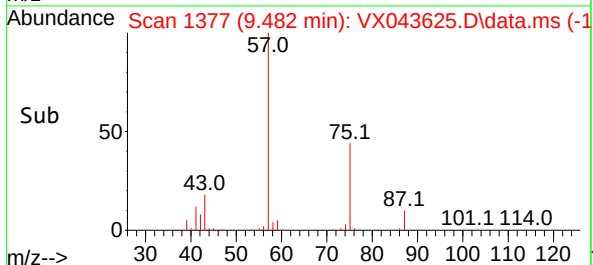
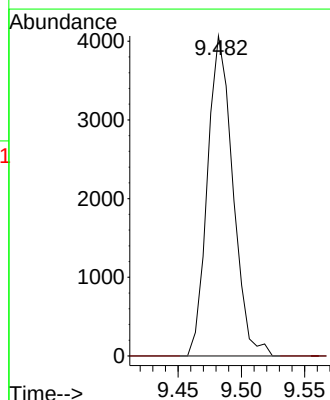
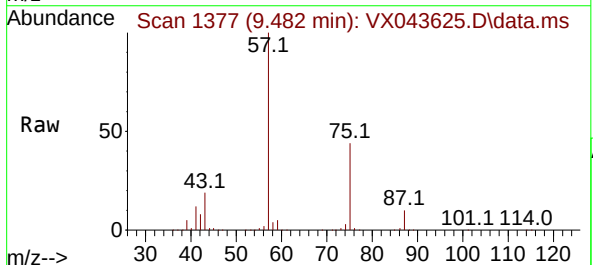
Instrument :
MSVOA_X
ClientSampleId :

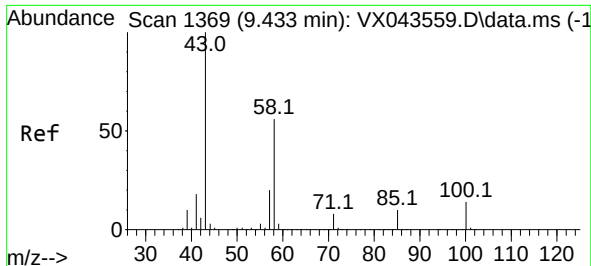
Tgt Ion: 75 Resp: 46719
Ion Ratio Lower Upper
75 100
77 0.8 24.8 37.2#
39 25.0 37.7 56.5#



#57
1,3-Dichloropropane
Concen: 2.025 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX043625.D
Acq: 30 Oct 2024 15:34

Tgt Ion: 76 Resp: 5676
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#





#59

2-Hexanone

Concen: 39.122 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX043625.D

Acq: 30 Oct 2024 15:34

Instrument :

MSVOA_X

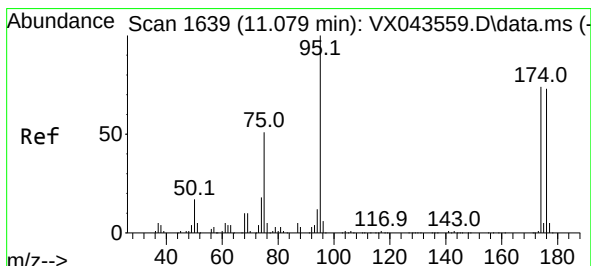
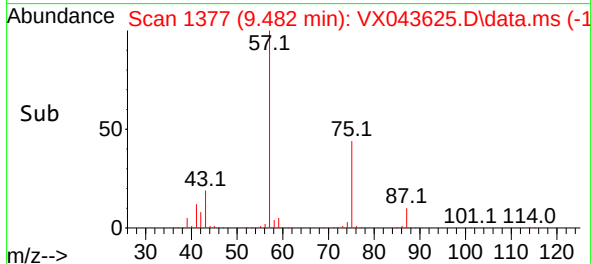
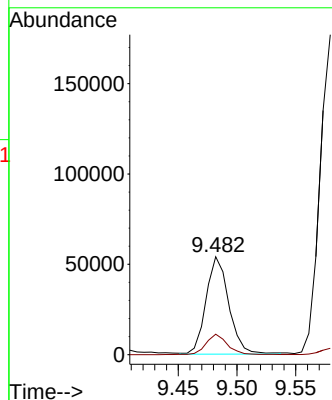
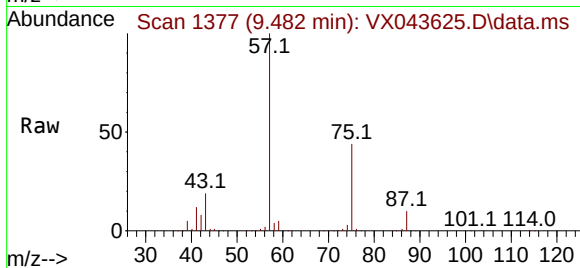
ClientSampleId :

Tgt Ion: 43 Resp: 72775

Ion Ratio Lower Upper

43 100

58 20.1 27.5 82.5#



#62

4-Bromofluorobenzene

Concen: 47.540 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX043625.D

Acq: 30 Oct 2024 15:34

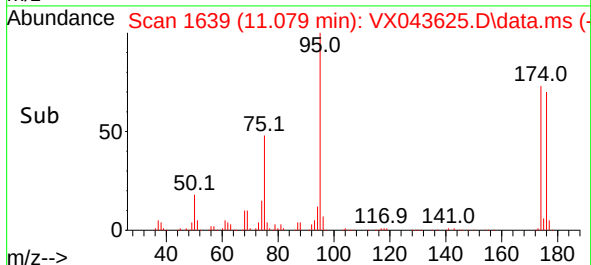
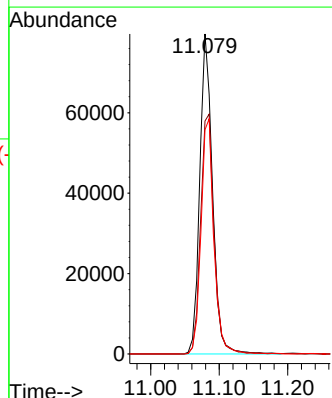
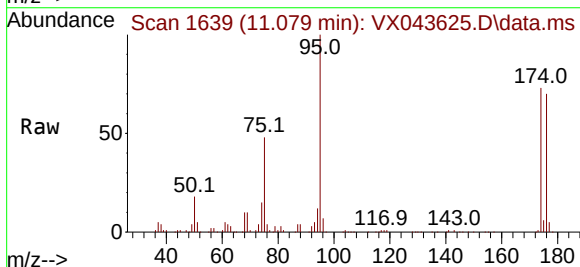
Tgt Ion: 95 Resp: 102930

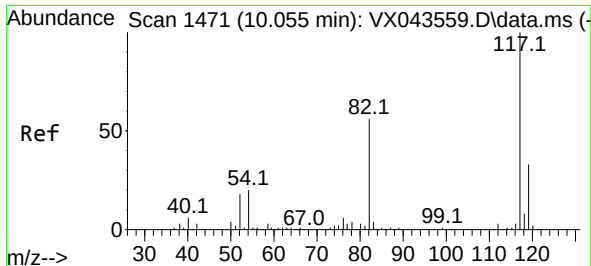
Ion Ratio Lower Upper

95 100

174 79.4 0.0 146.6

176 74.4 0.0 139.6

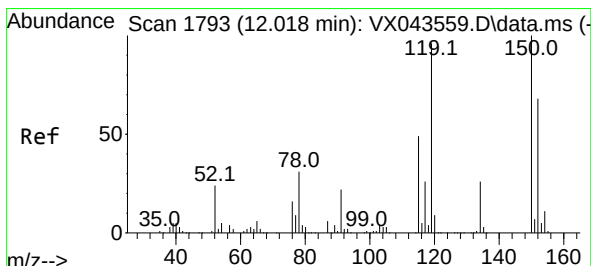
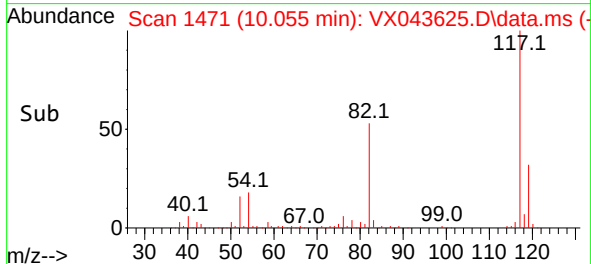
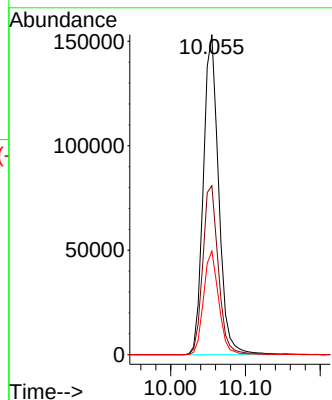
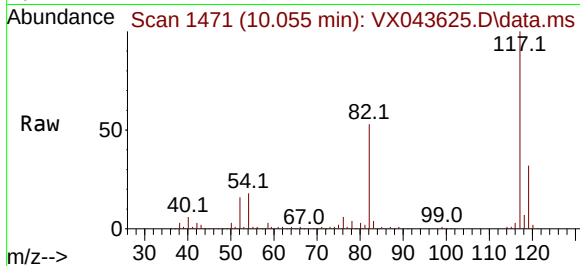




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043625.D
Acq: 30 Oct 2024 15:34

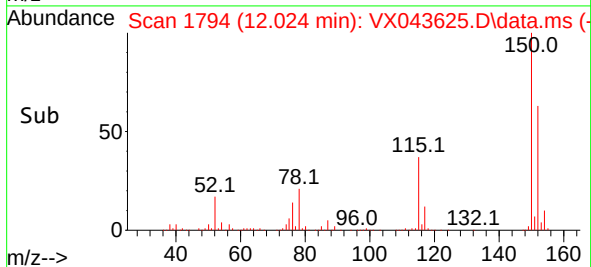
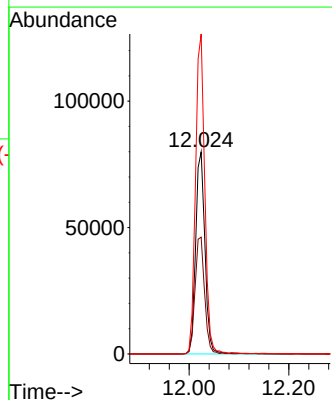
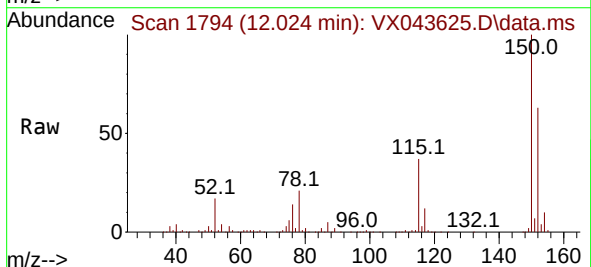
Instrument :
MSVOA_X
ClientSampleId :

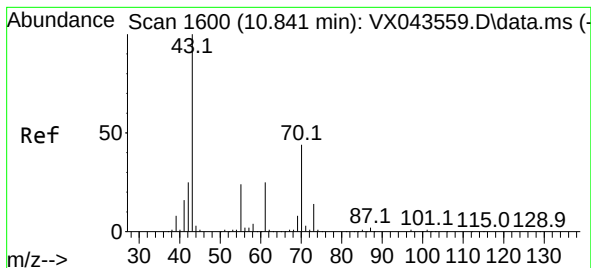
Tgt Ion:117 Resp: 218634
Ion Ratio Lower Upper
117 100
82 52.8 42.1 63.1
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043625.D
Acq: 30 Oct 2024 15:34

Tgt Ion:152 Resp: 103439
Ion Ratio Lower Upper
152 100
115 59.4 42.9 128.7
150 156.5 0.0 343.6





#74

N-amy1 acetate

Concen: 0.256 ug/l

RT: 10.817 min Scan# 1639

Delta R.T. -0.024 min

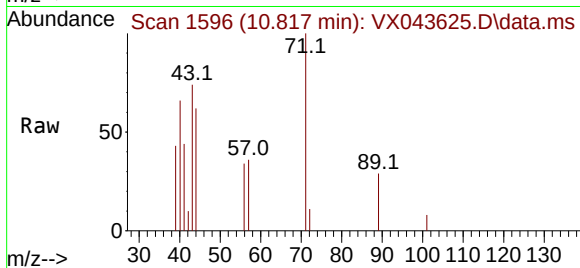
Lab File: VX043625.D

Acq: 30 Oct 2024 15:34

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 915

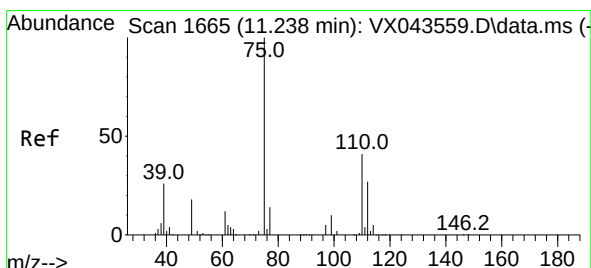
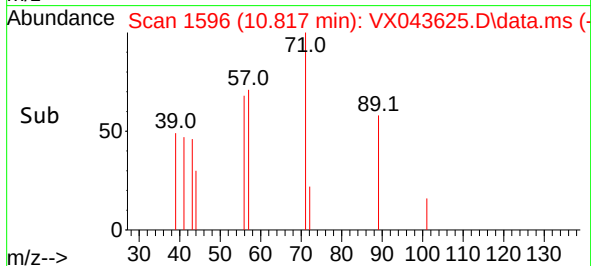
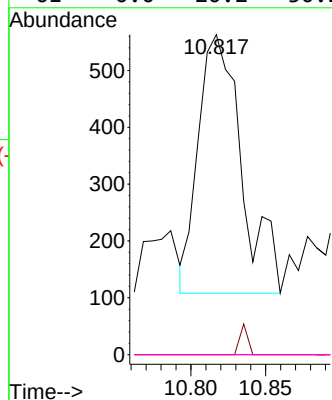
Ion Ratio Lower Upper

43 100

70 0.0 34.6 52.0#

55 0.0 19.6 29.4#

61 0.0 20.2 30.2#



#76

1,2,3-Trichloropropane

Concen: 22.438 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX043625.D

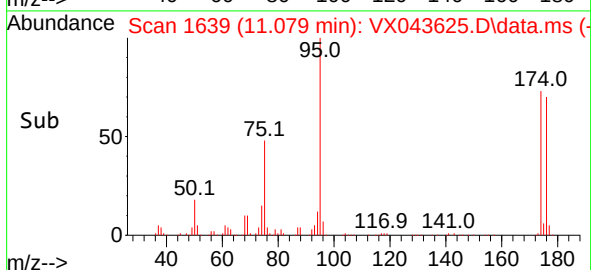
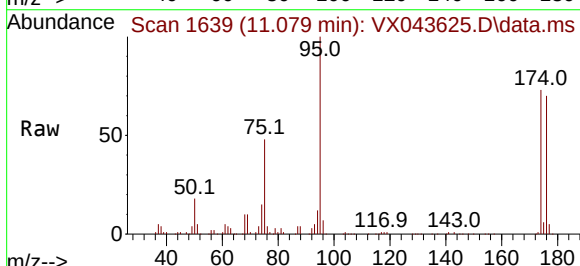
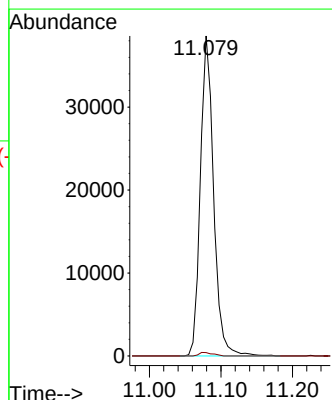
Acq: 30 Oct 2024 15:34

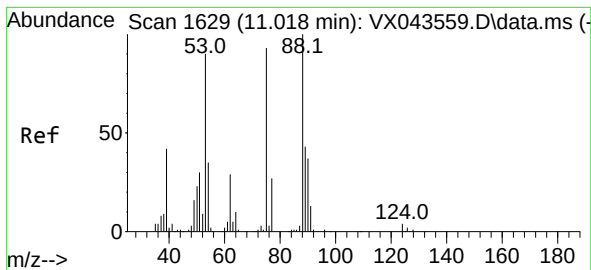
Tgt Ion: 75 Resp: 49626

Ion Ratio Lower Upper

75 100

77 1.2 22.4 67.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.729 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043625.D
 Acq: 30 Oct 2024 15:34

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 49626
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.6 126.8#
 89 0.0 38.6 58.0#

