

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110724\
 Data File : VX043744.D
 Acq On : 07 Nov 2024 18:12
 Operator : JC/MD
 Sample : P4739-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 08 04:12:39 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)

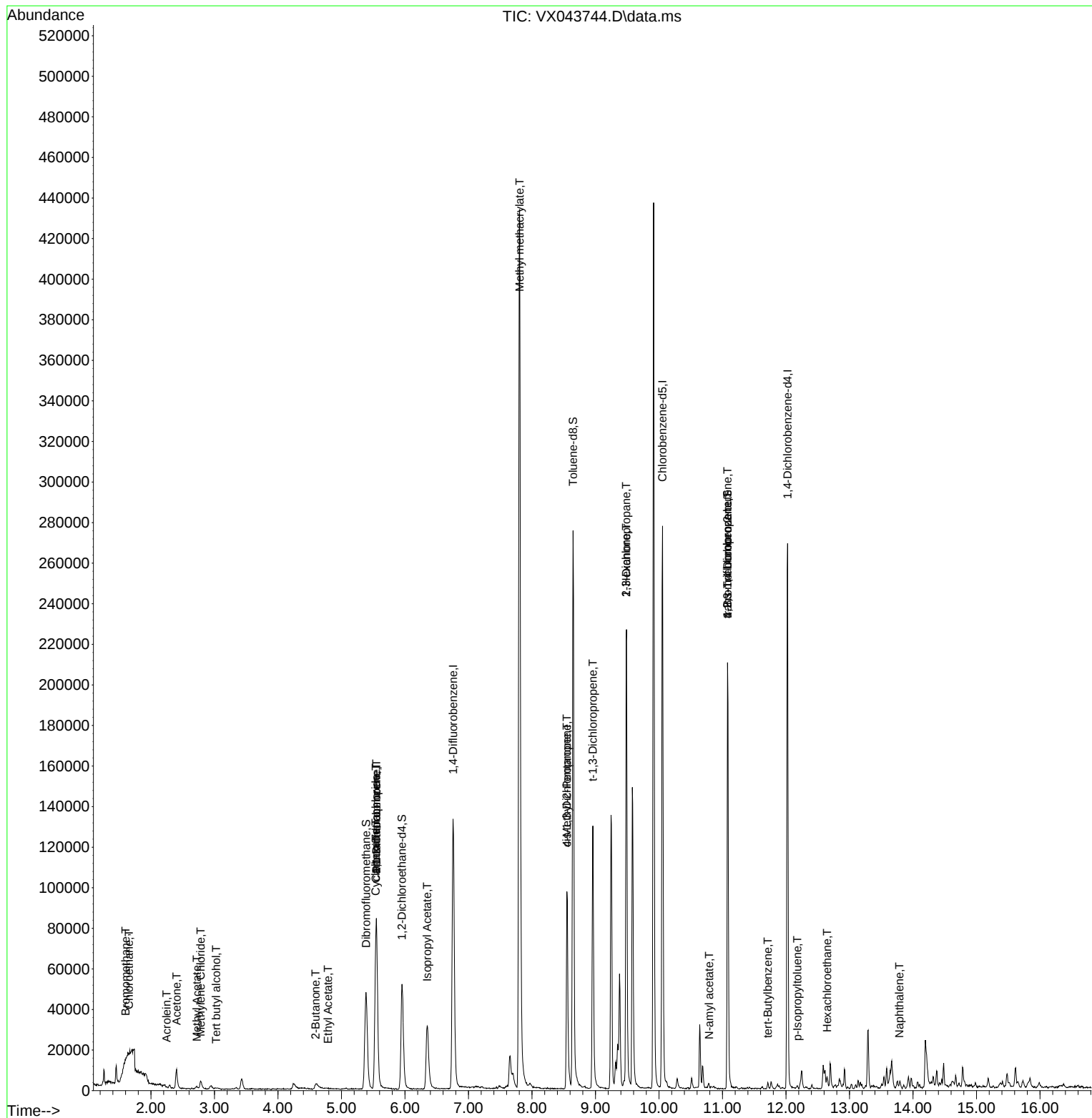
Internal Standards						
1) Pentafluorobenzene	5.550	168	85417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	153639	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	134373	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	49888	36.629	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	73.260%#
35) Dibromofluoromethane	5.385	113	44925	43.122	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.240%
50) Toluene-d8	8.647	98	173705	48.166	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.340%
62) 4-Bromofluorobenzene	11.079	95	60242	45.079	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	90.160%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	145	0.328	ug/l #	2
6) Chloroethane	1.654	64	159	0.416	ug/l #	43
11) Tert butyl alcohol	3.026	59	520	2.046	ug/l #	100
13) Acrolein	2.246	56	182	0.915	ug/l #	1
16) Acetone	2.404	43	11862	21.932	ug/l	92
18) Methyl Acetate	2.721	43	2023	1.280	ug/l	95
20) Methylene Chloride	2.782	84	2465	2.115	ug/l	93
25) 2-Butanone	4.593	43	6351	8.050	ug/l #	86
31) Cyclohexane	5.538	56	1628	1.132	ug/l #	41
36) 1,1-Dichloropropene	5.550	75	6027	4.879	ug/l #	49
37) Ethyl Acetate	4.788	43	408	0.272	ug/l #	75
38) Carbon Tetrachloride	5.544	117	8629	6.322	ug/l #	16
43) Isopropyl Acetate	6.349	43	49448	19.936	ug/l	98
48) Methyl methacrylate	7.806	41	39746	33.800	ug/l #	43
51) 4-Methyl-2-Pentanone	8.549	43	35785	23.672	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	375	0.255	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	19218	12.252	ug/l #	56
57) 1,3-Dichloropropane	9.482	76	2253	1.302	ug/l #	42
59) 2-Hexanone	9.482	43	30481	26.548	ug/l #	51
74) N-amyl acetate	10.787	43	966	0.461	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	29386	22.643	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	29386	62.291	ug/l #	7
83) tert-Butylbenzene	11.713	119	1332	0.365	ug/l	94
86) p-Isopropyltoluene	12.177	119	813	0.224	ug/l	88
90) Hexachloroethane	12.646	117	1878	3.183	ug/l #	17
95) Naphthalene	13.786	128	1125	0.238	ug/l	98

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

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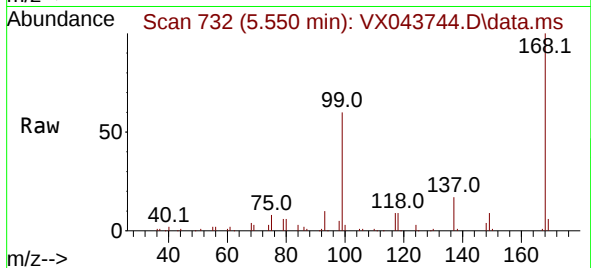
Quant Time: Nov 08 04:12:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
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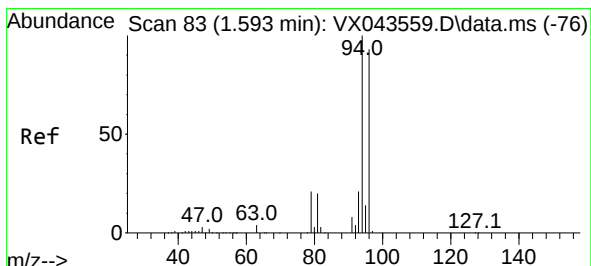
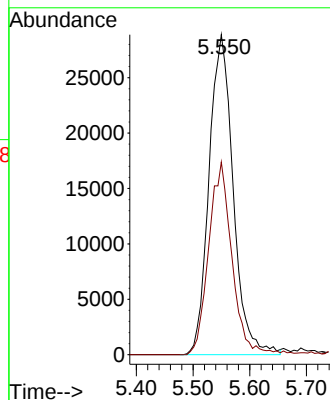
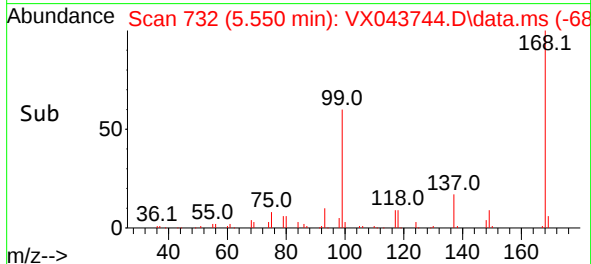


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043744.D
Acq: 07 Nov 2024 18:12

Instrument :
MSVOA_X
ClientSampleId :

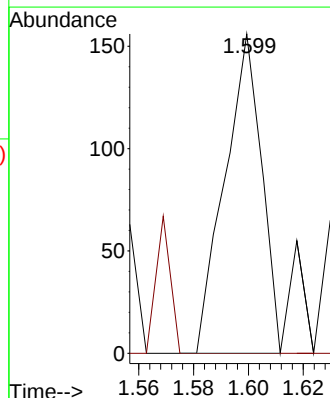
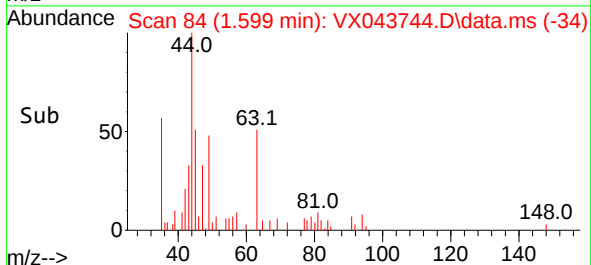
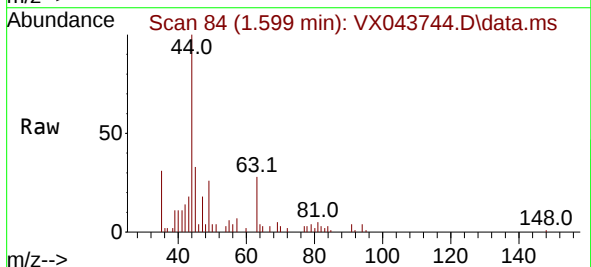


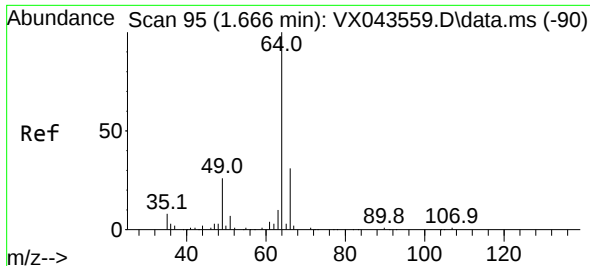
Tgt Ion:168 Resp: 85417
Ion Ratio Lower Upper
168 100
99 60.2 52.6 78.8



#5
Bromomethane
Concen: 0.328 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043744.D
Acq: 07 Nov 2024 18:12

Tgt Ion: 94 Resp: 145
Ion Ratio Lower Upper
94 100
96 0.0 75.9 113.9#

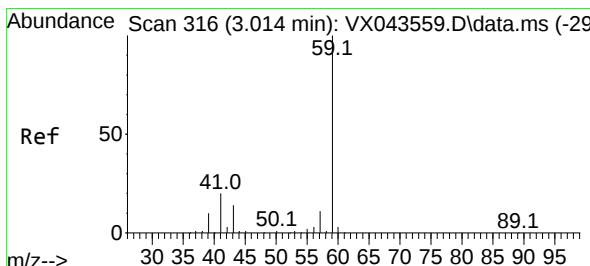
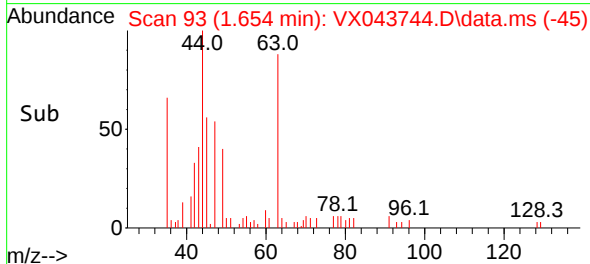
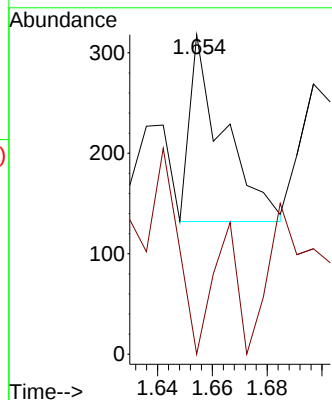
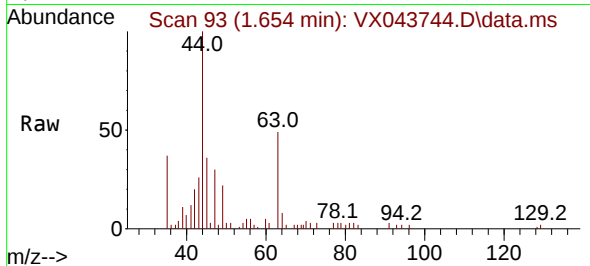




#6
Chloroethane
Concen: 0.416 ug/l
RT: 1.654 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX043744.D
Acq: 07 Nov 2024 18:12

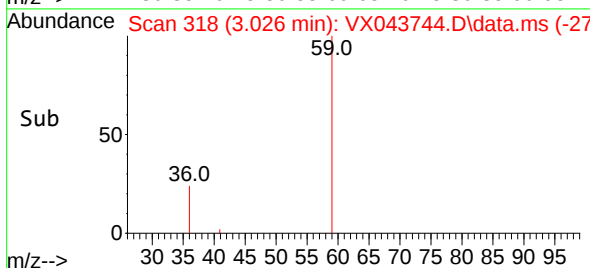
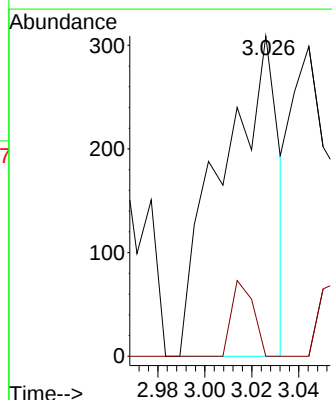
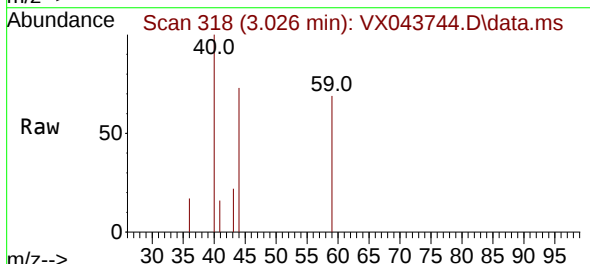
Instrument :
MSVOA_X
ClientSampleId :

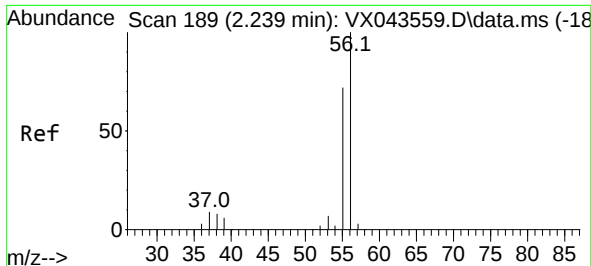
Tgt Ion: 64 Resp: 159
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 2.046 ug/l
RT: 3.026 min Scan# 318
Delta R.T. -0.024 min
Lab File: VX043744.D
Acq: 07 Nov 2024 18:12

Tgt Ion: 59 Resp: 520
Ion Ratio Lower Upper
59 100
57 9.0 0.0 0.0#





#13

Acrolein

Concen: 0.915 ug/l

RT: 2.246 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX043744.D

Acq: 07 Nov 2024 18:12

Instrument :

MSVOA_X

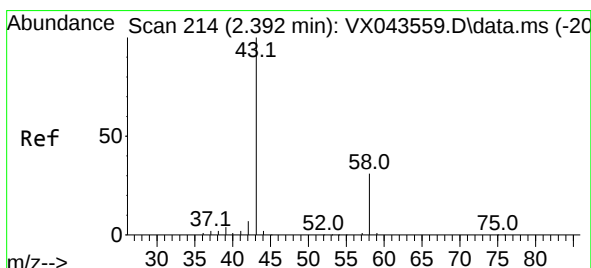
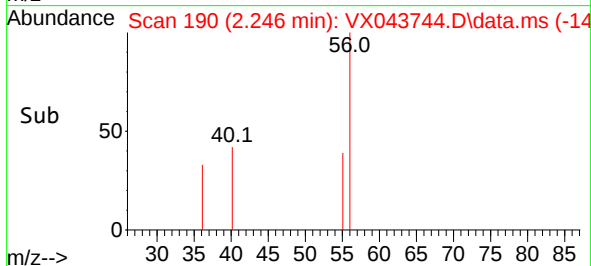
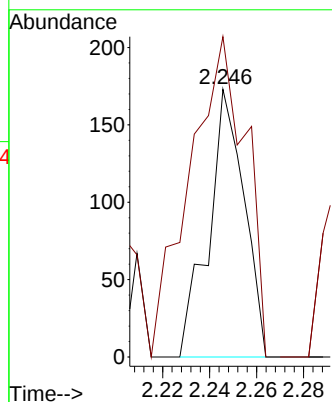
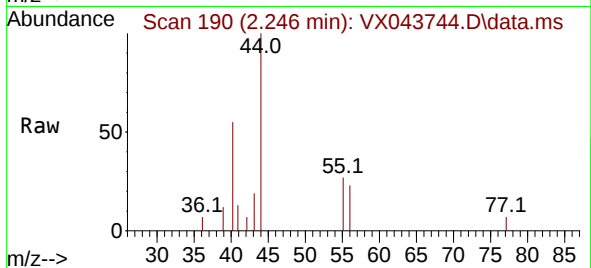
ClientSampleId :

Tgt Ion: 56 Resp: 182

Ion Ratio Lower Upper

56 100

55 188.5 55.3 82.9#



#16

Acetone

Concen: 21.932 ug/l

RT: 2.404 min Scan# 216

Delta R.T. 0.006 min

Lab File: VX043744.D

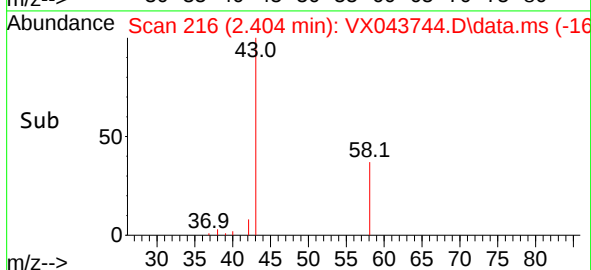
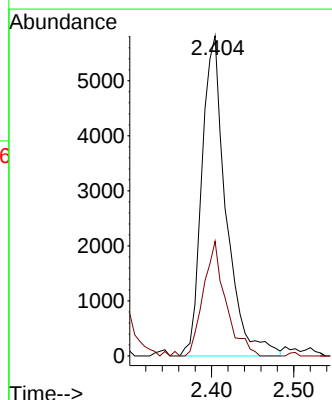
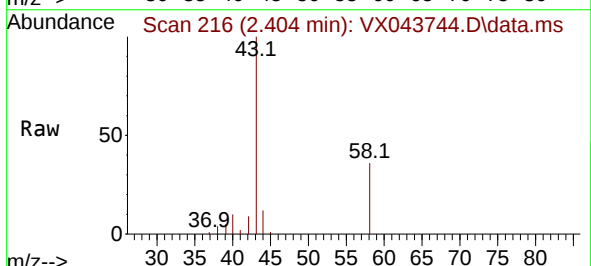
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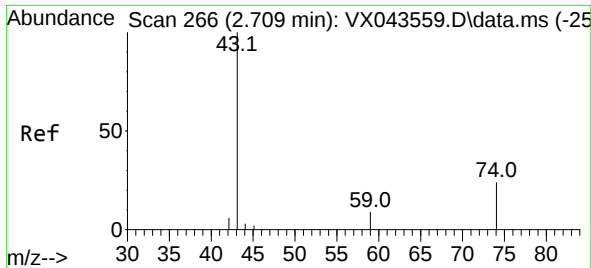
Tgt Ion: 43 Resp: 11862

Ion Ratio Lower Upper

43 100

58 35.9 25.1 37.7

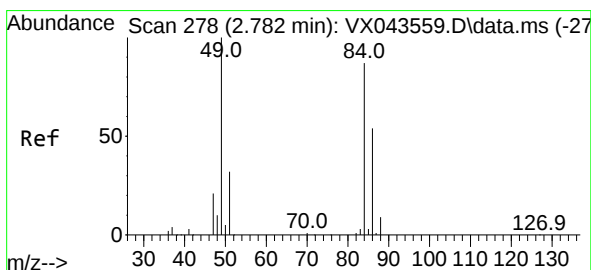
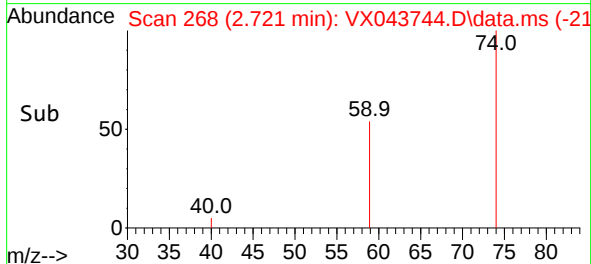
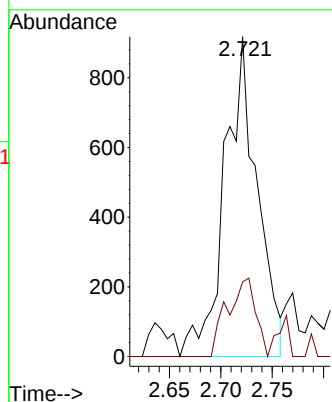
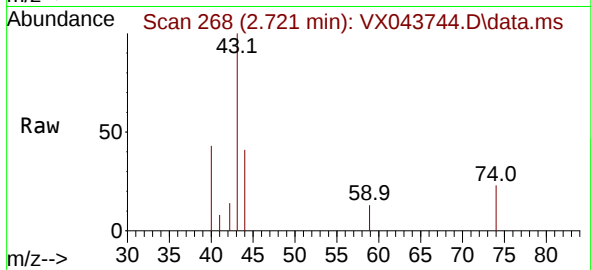




#18
Methyl Acetate
Concen: 1.280 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX043744.D
Acq: 07 Nov 2024 18:12

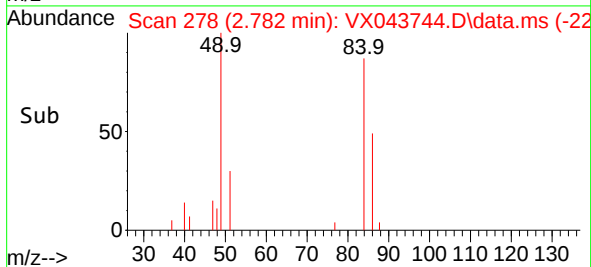
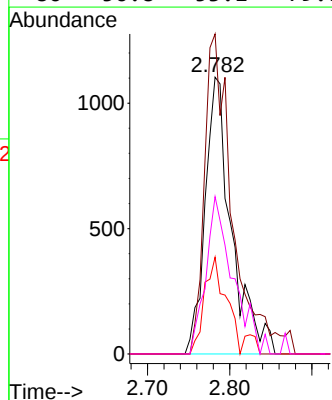
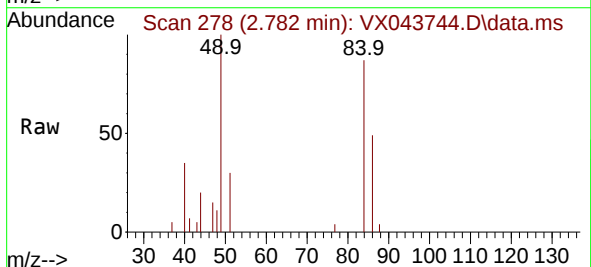
Instrument :
MSVOA_X
ClientSampleId :

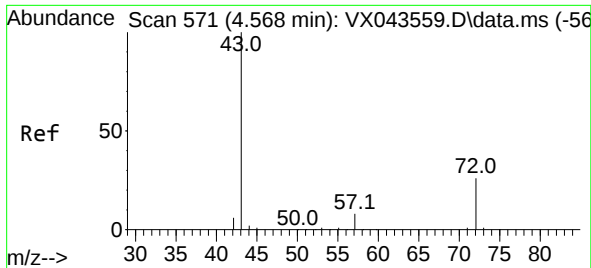
Tgt Ion: 43 Resp: 2023
Ion Ratio Lower Upper
43 100
74 21.3 19.1 28.7



#20
Methylene Chloride
Concen: 2.115 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043744.D
Acq: 07 Nov 2024 18:12

Tgt Ion: 84 Resp: 2465
Ion Ratio Lower Upper
84 100
49 115.6 97.0 145.6
51 35.0 29.8 44.8
86 56.8 53.1 79.7

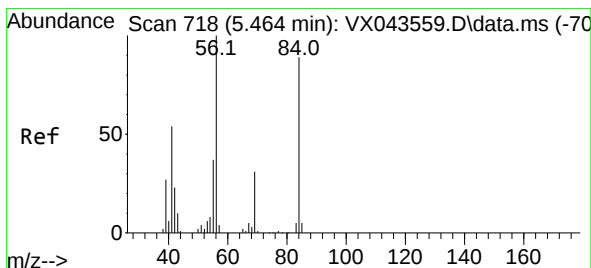
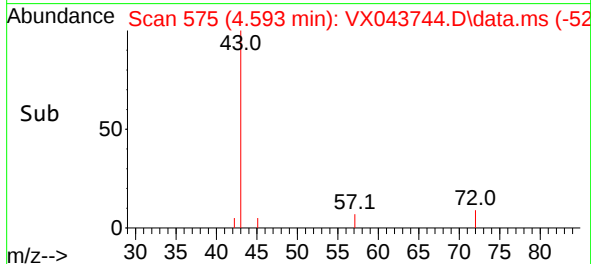
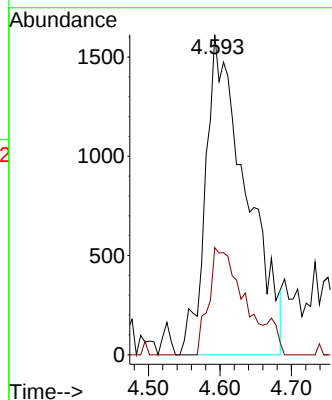
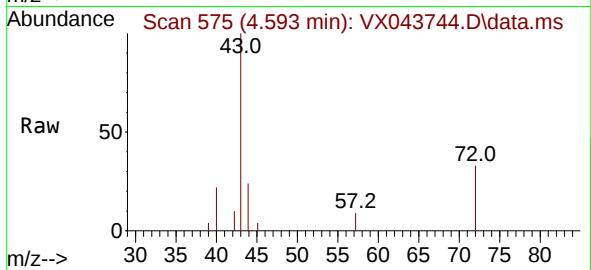




#25
2-Butanone
Concen: 8.050 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX043744.D
Acq: 07 Nov 2024 18:12

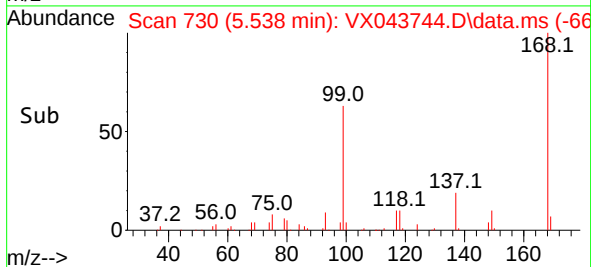
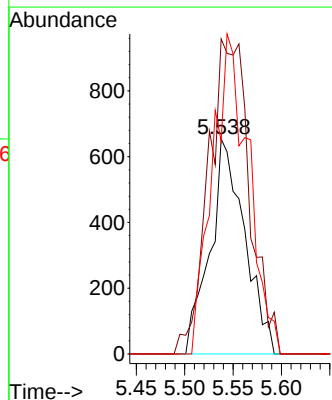
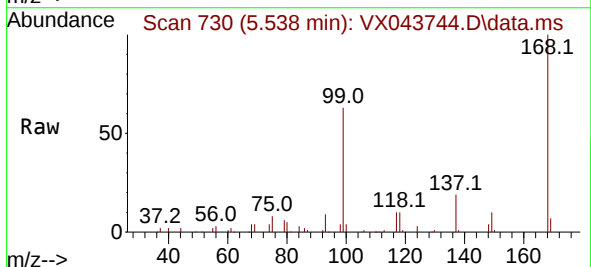
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MSVOA_X
ClientSampleId :

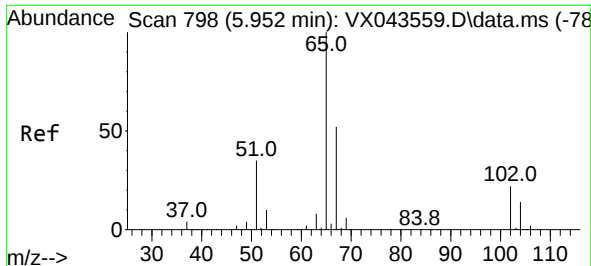
Tgt Ion: 43 Resp: 6351
Ion Ratio Lower Upper
43 100
72 33.5 21.1 31.7#



#31
Cyclohexane
Concen: 1.132 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.080 min
Lab File: VX043744.D
Acq: 07 Nov 2024 18:12

Tgt Ion: 56 Resp: 1628
Ion Ratio Lower Upper
56 100
69 146.5 24.9 37.3#
84 99.1 73.3 109.9





#33

1,2-Dichloroethane-d4

Concen: 36.629 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043744.D

Acq: 07 Nov 2024 18:12

Instrument :

MSVOA_X

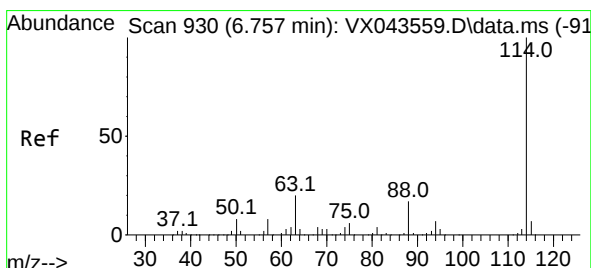
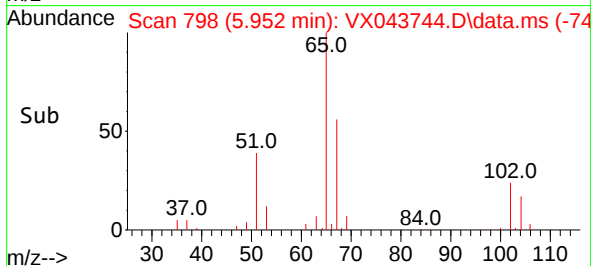
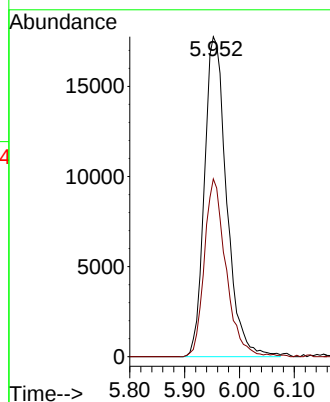
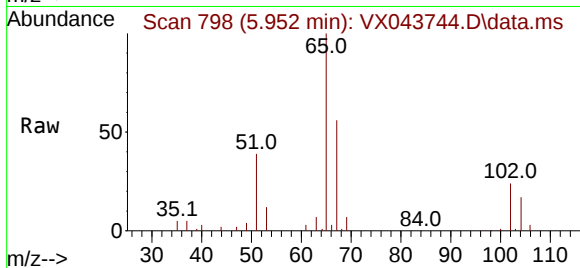
ClientSampleId :

Tgt Ion: 65 Resp: 49888

Ion Ratio Lower Upper

65 100

67 54.2 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: VX043744.D

Acq: 07 Nov 2024 18:12

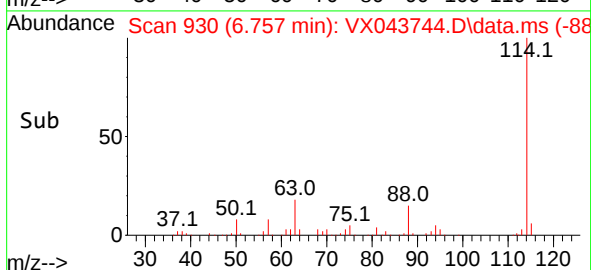
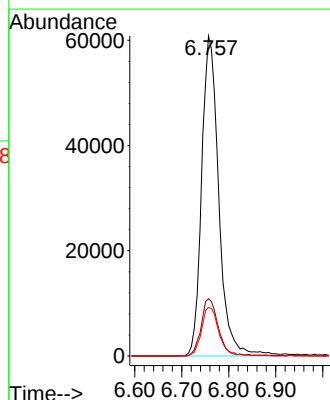
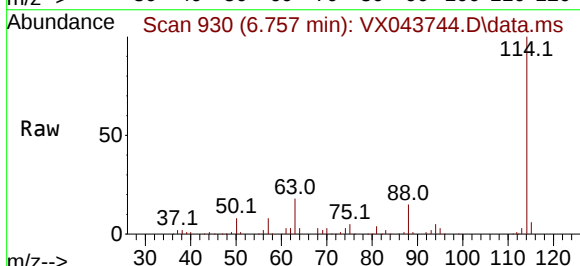
Tgt Ion: 114 Resp: 153639

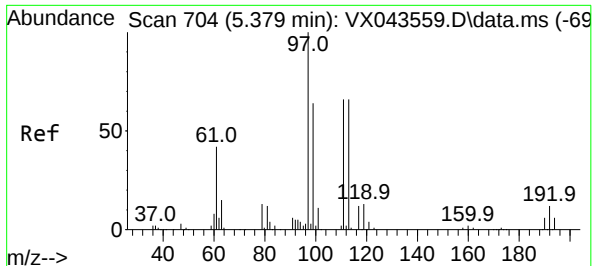
Ion Ratio Lower Upper

114 100

63 17.9 0.0 41.2

88 15.2 0.0 34.0





#35

Dibromofluoromethane

Concen: 43.122 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.000 min

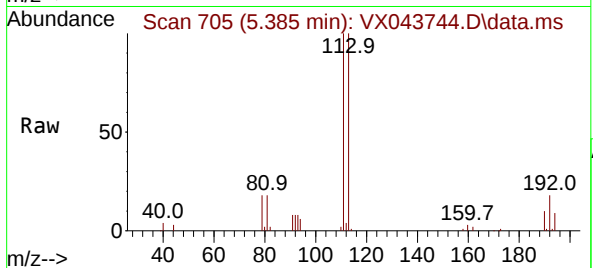
Lab File: VX043744.D

Acq: 07 Nov 2024 18:12

Instrument :

MSVOA_X

ClientSampleId :



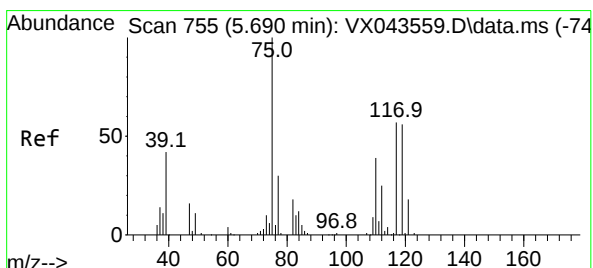
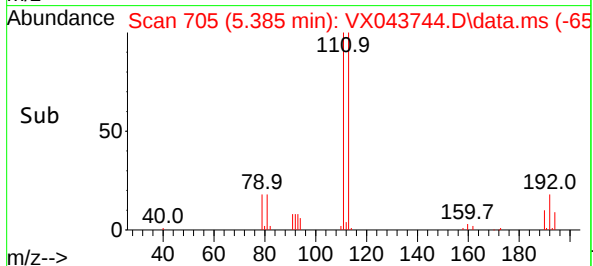
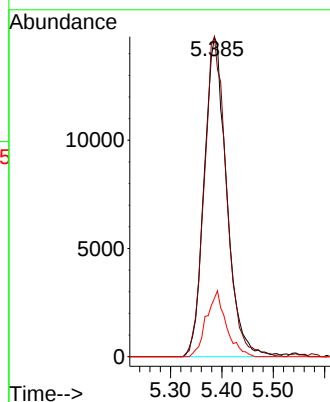
Tgt Ion:113 Resp: 44925

Ion Ratio Lower Upper

113 100

111 99.3 81.4 122.0

192 18.2 14.1 21.1



#36

1,1-Dichloropropene

Concen: 4.879 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX043744.D

Acq: 07 Nov 2024 18:12

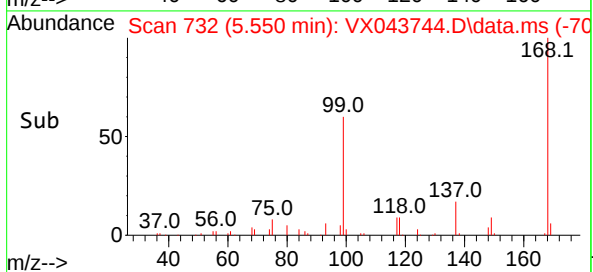
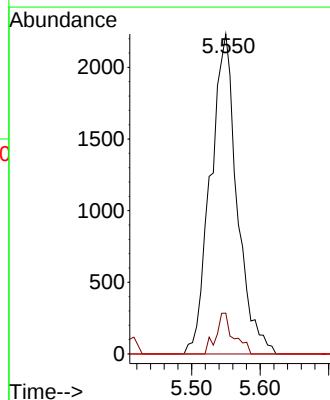
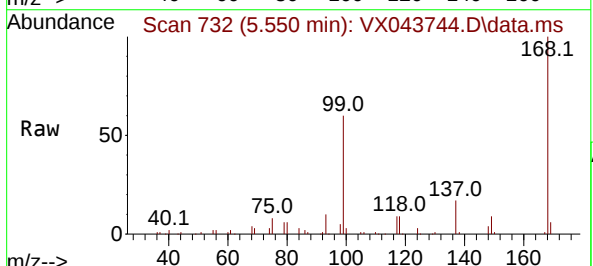
Tgt Ion: 75 Resp: 6027

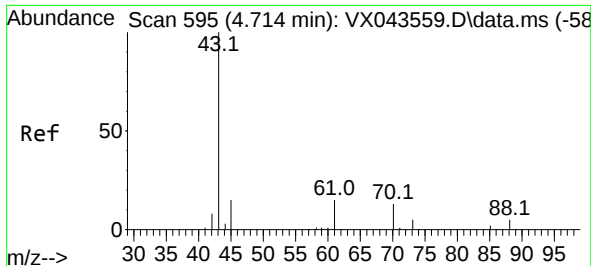
Ion Ratio Lower Upper

75 100

110 8.4 17.9 53.7#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.272 ug/l

RT: 4.788 min Scan# 607

Delta R.T. 0.067 min

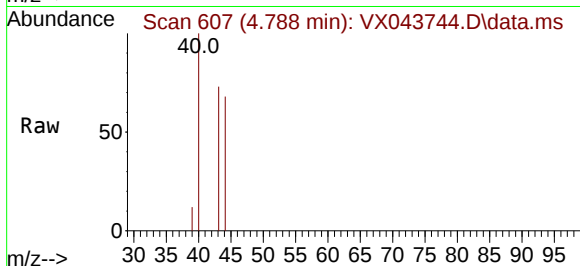
Lab File: VX043744.D

Acq: 07 Nov 2024 18:12

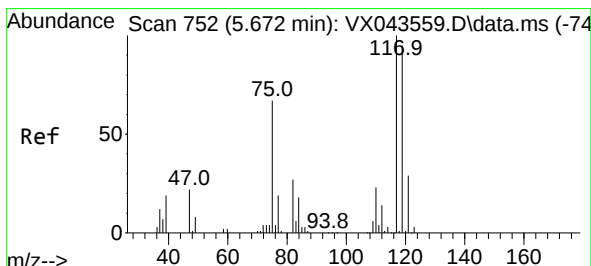
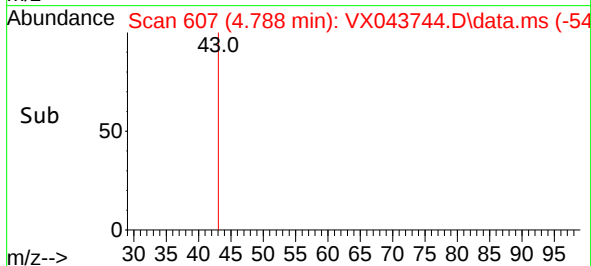
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	408
Ion Ratio	100	Lower	Upper
61	5.4	11.0	16.6#
70	0.0	8.9	13.3#



#38

Carbon Tetrachloride

Concen: 6.322 ug/l

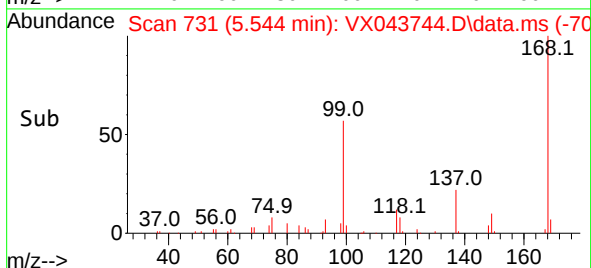
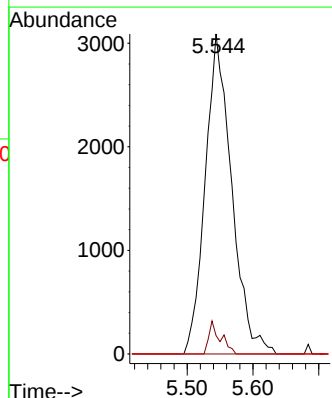
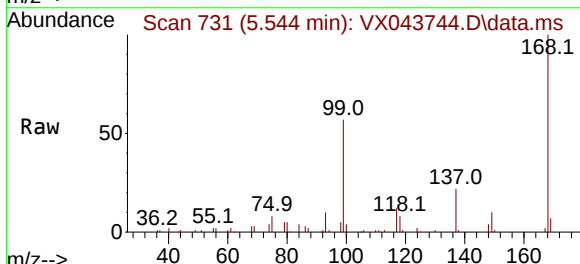
RT: 5.544 min Scan# 731

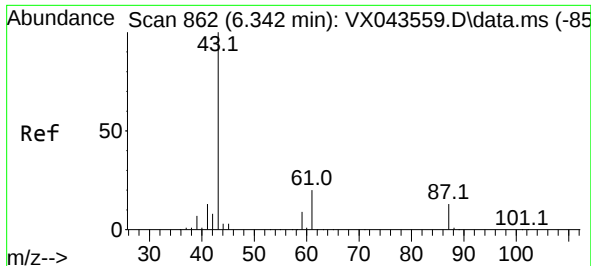
Delta R.T. -0.128 min

Lab File: VX043744.D

Acq: 07 Nov 2024 18:12

Tgt Ion:	117	Resp:	8629
Ion Ratio	100	Lower	Upper
119	5.7	77.0	115.6#
121	0.0	24.7	37.1#

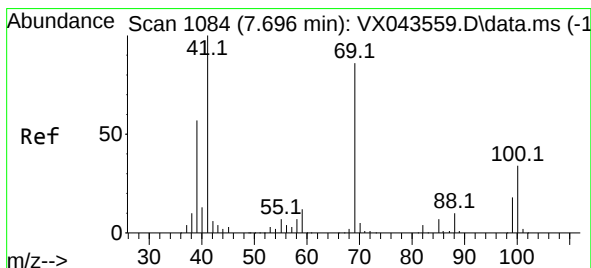
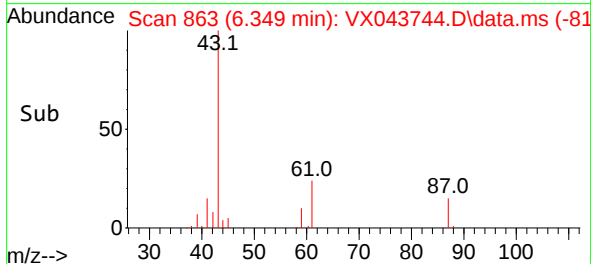
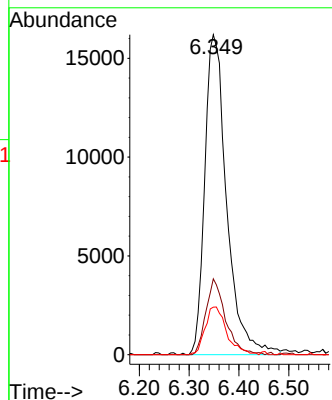
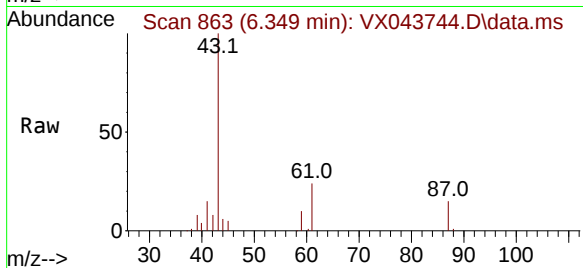




#43
Isopropyl Acetate
Concen: 19.936 ug/l
RT: 6.349 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX043744.D
Acq: 07 Nov 2024 18:12

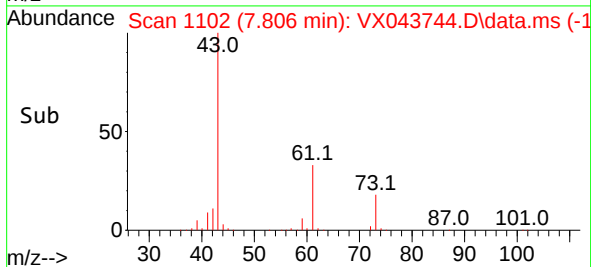
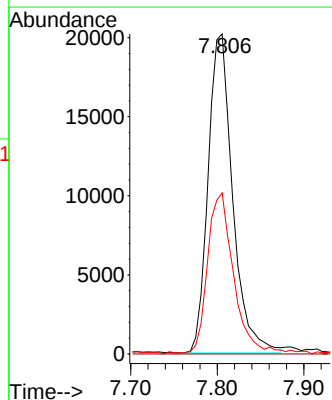
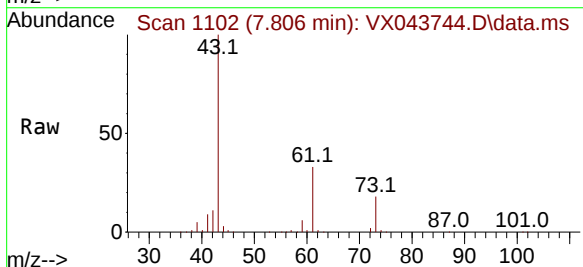
Instrument :
MSVOA_X
ClientSampleId :

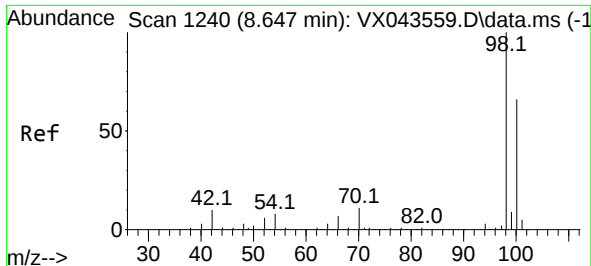
Tgt Ion: 43 Resp: 49448
Ion Ratio Lower Upper
43 100
61 21.2 16.2 24.4
87 14.7 11.0 16.6



#48
Methyl methacrylate
Concen: 33.800 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.110 min
Lab File: VX043744.D
Acq: 07 Nov 2024 18:12

Tgt Ion: 41 Resp: 39746
Ion Ratio Lower Upper
41 100
69 0.0 67.7 101.5#
39 54.2 46.3 69.5

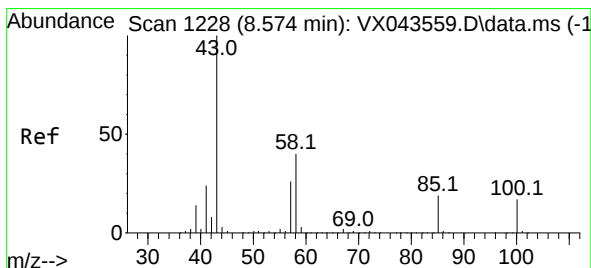
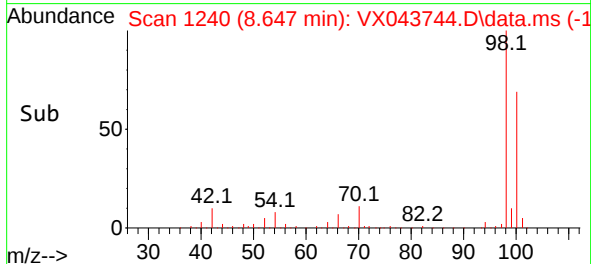
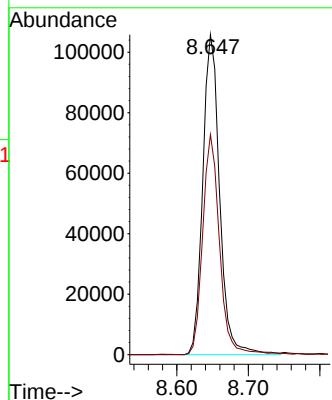
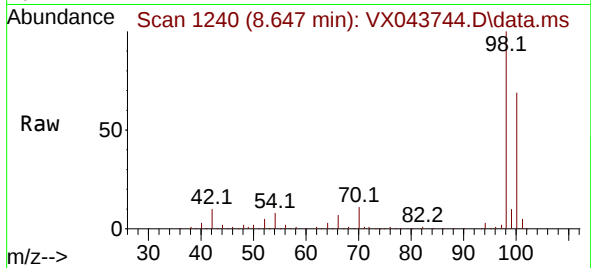




#50
Toluene-d8
Concen: 48.166 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043744.D
Acq: 07 Nov 2024 18:12

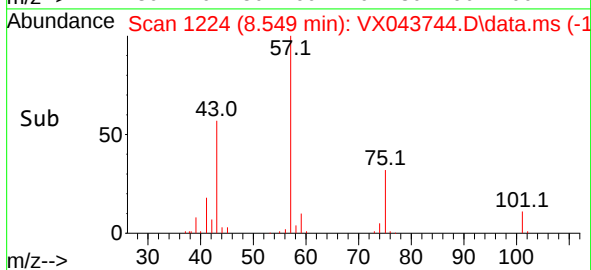
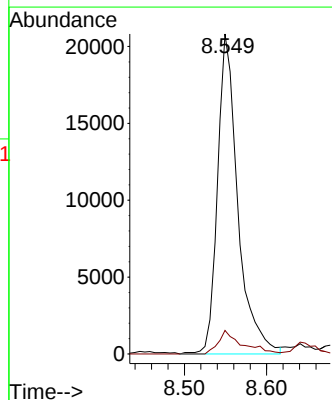
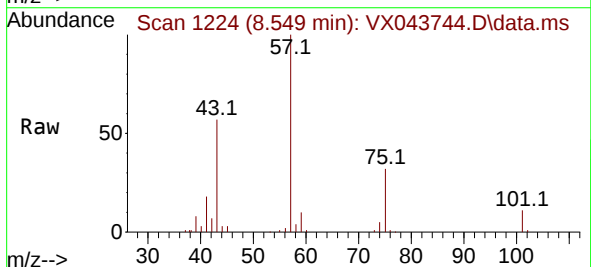
Instrument :
MSVOA_X
ClientSampleId :

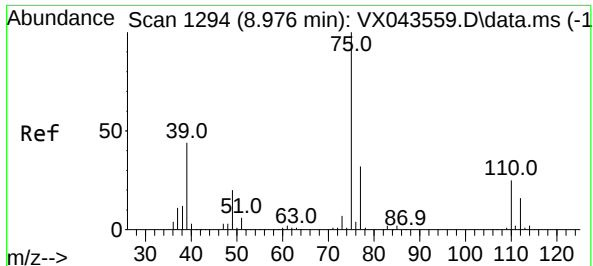
Tgt Ion: 98 Resp: 173705
Ion Ratio Lower Upper
98 100
100 68.2 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 23.672 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX043744.D
Acq: 07 Nov 2024 18:12

Tgt Ion: 43 Resp: 35785
Ion Ratio Lower Upper
43 100
58 8.6 31.7 47.5#





#53

t-1,3-Dichloropropene

Concen: 0.255 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX043744.D

Acq: 07 Nov 2024 18:12

Instrument :

MSVOA_X

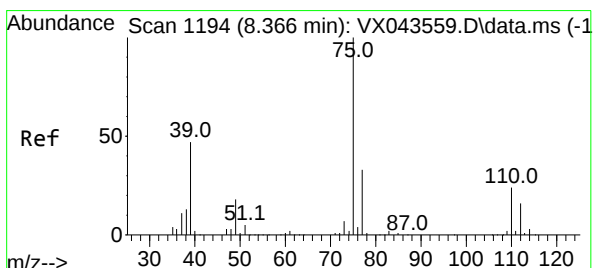
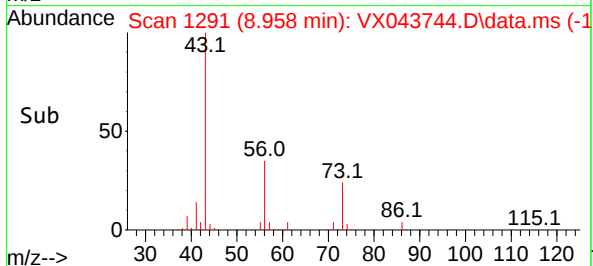
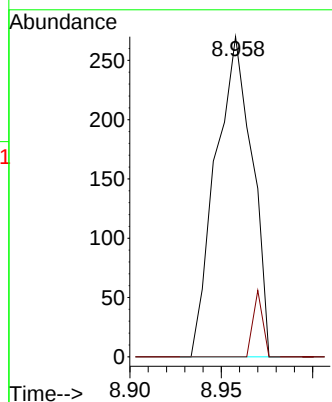
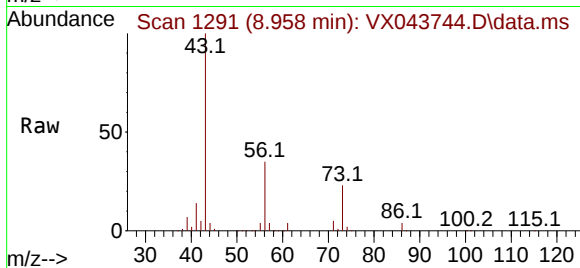
ClientSampleId :

Tgt Ion: 75 Resp: 375

Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#



#54

cis-1,3-Dichloropropene

Concen: 12.252 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX043744.D

Acq: 07 Nov 2024 18:12

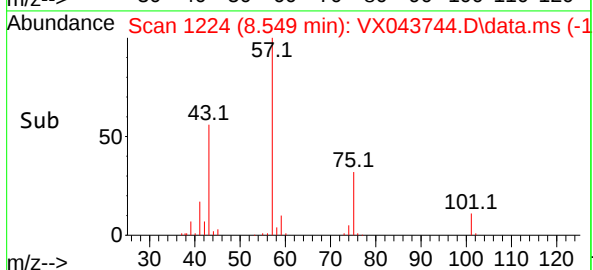
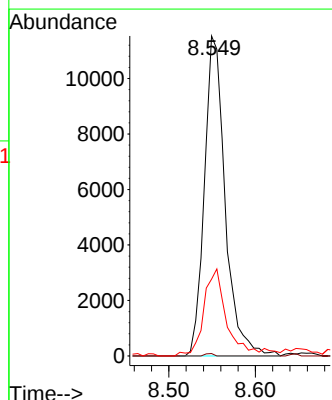
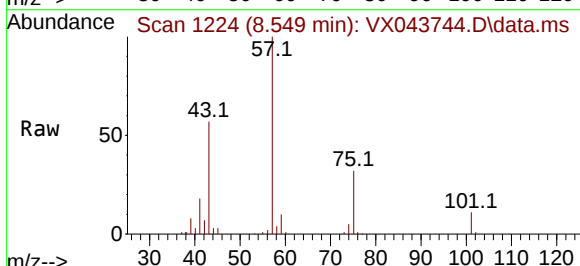
Tgt Ion: 75 Resp: 19218

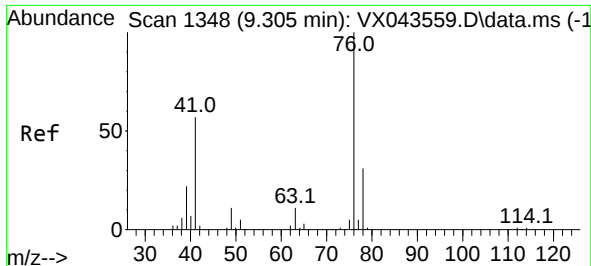
Ion Ratio Lower Upper

75 100

77 0.8 24.8 37.2#

39 22.9 37.7 56.5#





#57

1,3-Dichloropropane

Concen: 1.302 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX043744.D

Acq: 07 Nov 2024 18:12

Instrument :

MSVOA_X

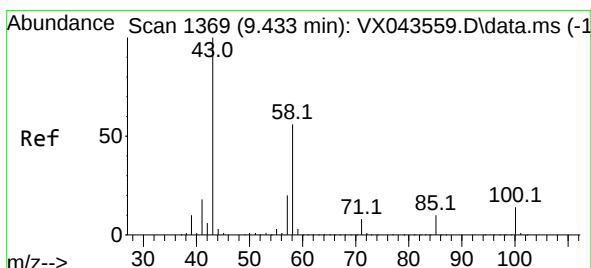
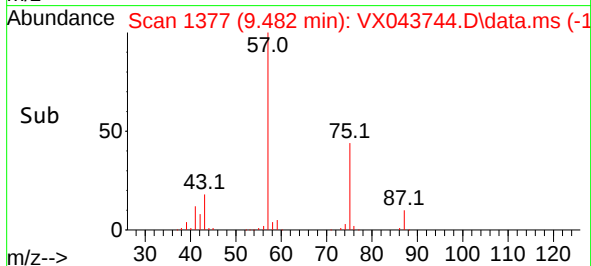
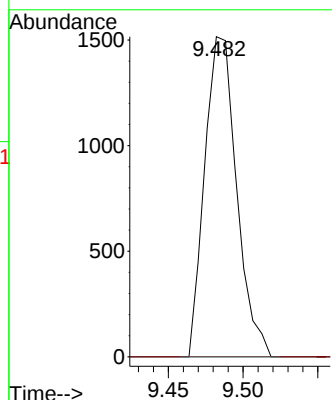
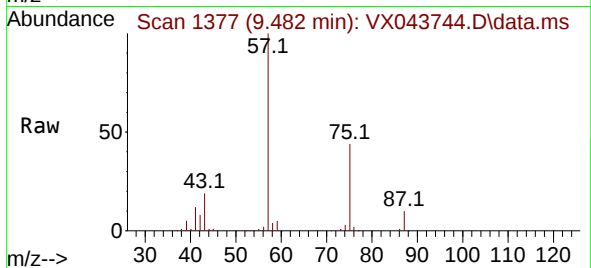
ClientSampleId :

Tgt Ion: 76 Resp: 2253

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 26.548 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX043744.D

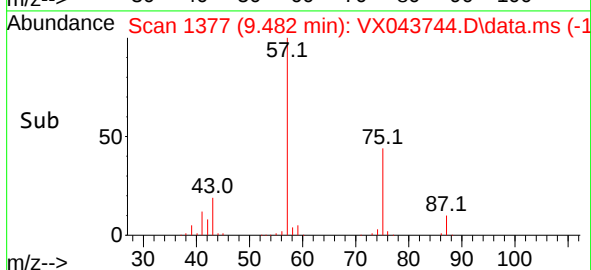
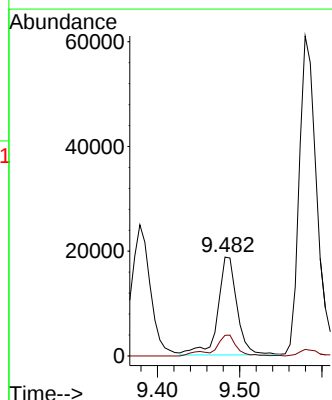
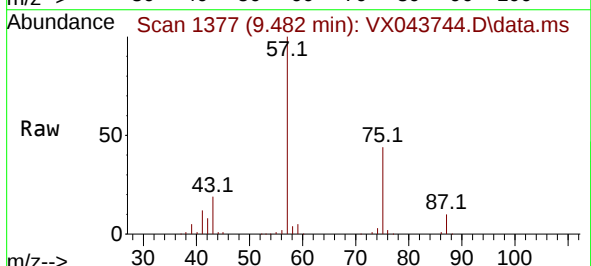
Acq: 07 Nov 2024 18:12

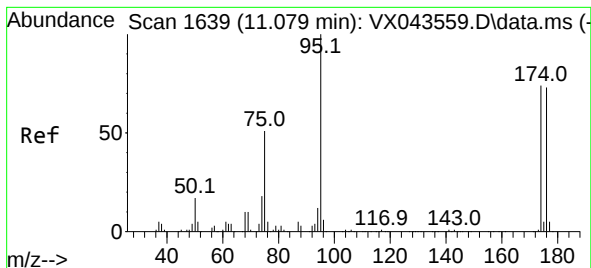
Tgt Ion: 43 Resp: 30481

Ion Ratio Lower Upper

43 100

58 19.8 27.5 82.5#

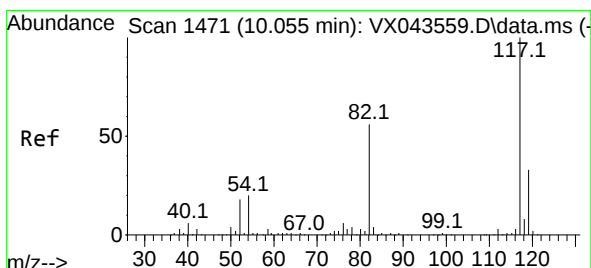
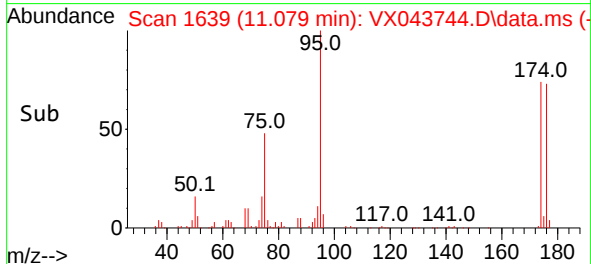
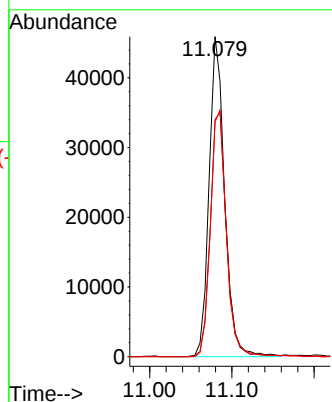
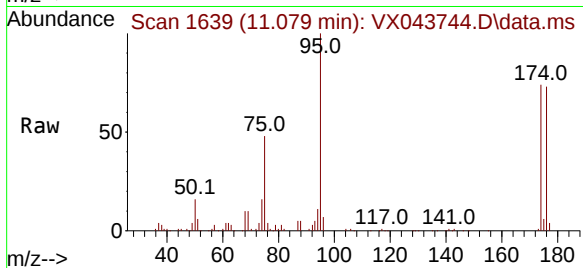




#62
4-Bromofluorobenzene
Concen: 45.079 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043744.D
Acq: 07 Nov 2024 18:12

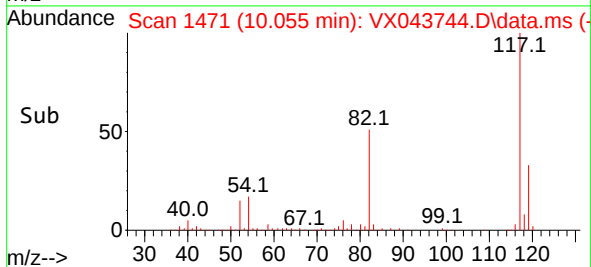
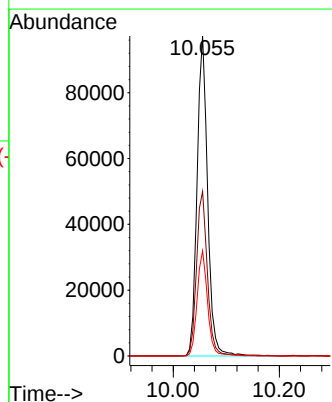
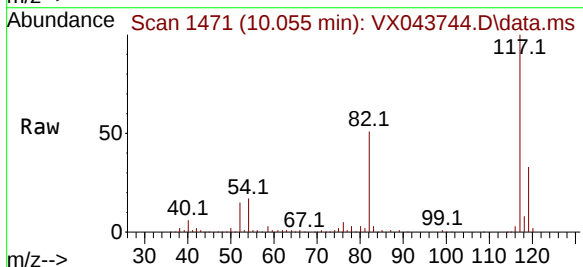
Instrument :
MSVOA_X
ClientSampleId :

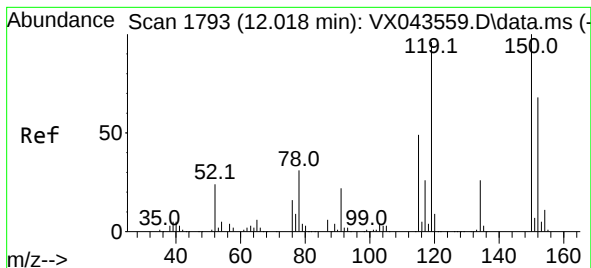
Tgt Ion: 95 Resp: 60242
Ion Ratio Lower Upper
95 100
174 79.8 0.0 146.6
176 78.8 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043744.D
Acq: 07 Nov 2024 18:12

Tgt Ion: 117 Resp: 134373
Ion Ratio Lower Upper
117 100
82 51.5 42.1 63.1
119 32.9 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX043744.D

Acq: 07 Nov 2024 18:12

Instrument :

MSVOA_X

ClientSampleId :

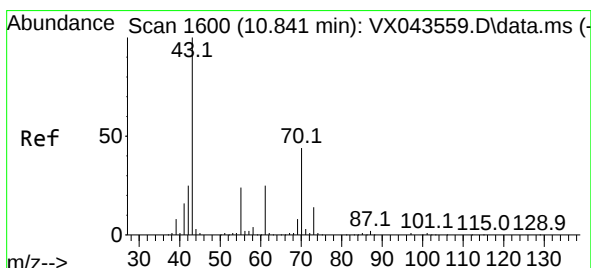
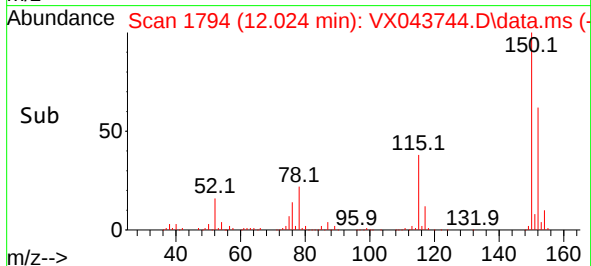
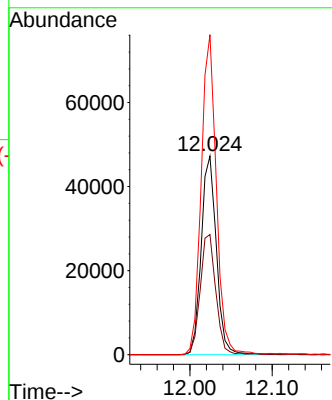
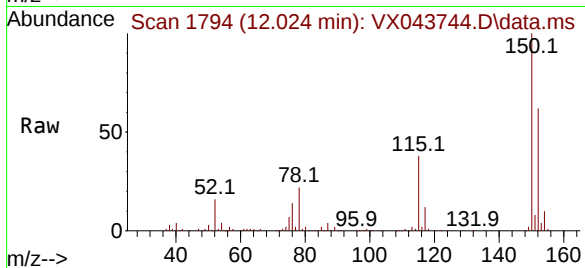
Tgt Ion:152 Resp: 60698

Ion Ratio Lower Upper

152 100

115 62.5 42.9 128.7

150 160.2 0.0 343.6



#74

N-ethyl acetate

Concen: 0.461 ug/l

RT: 10.787 min Scan# 1591

Delta R.T. -0.055 min

Lab File: VX043744.D

Acq: 07 Nov 2024 18:12

Tgt Ion: 43 Resp: 966

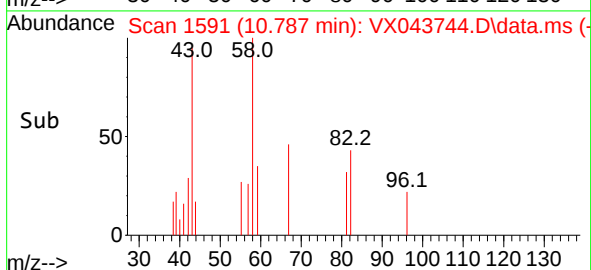
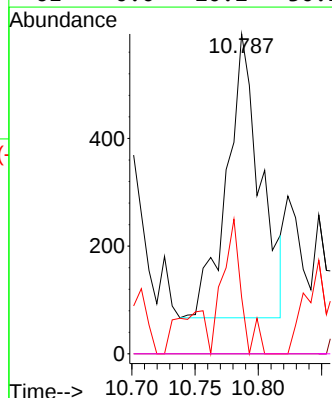
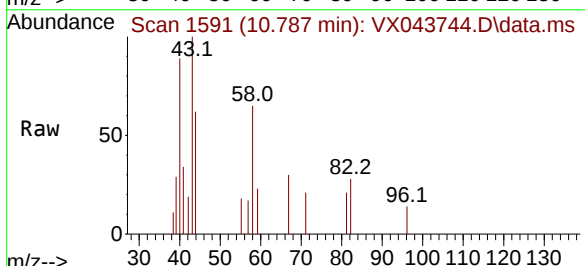
Ion Ratio Lower Upper

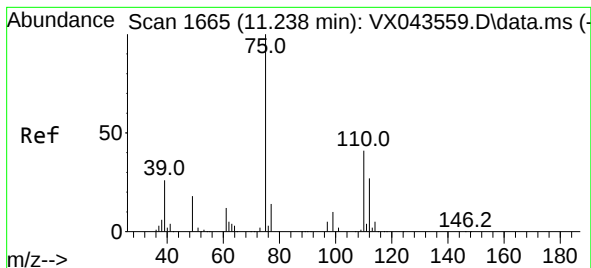
43 100

70 0.0 34.6 52.0#

55 26.7 19.6 29.4

61 0.0 20.2 30.2#

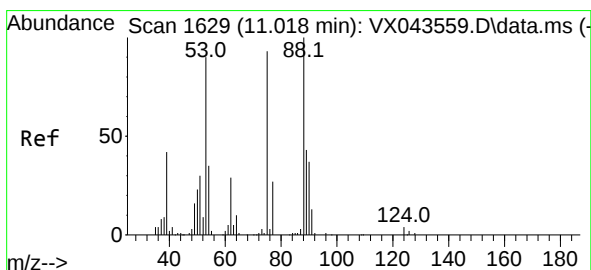
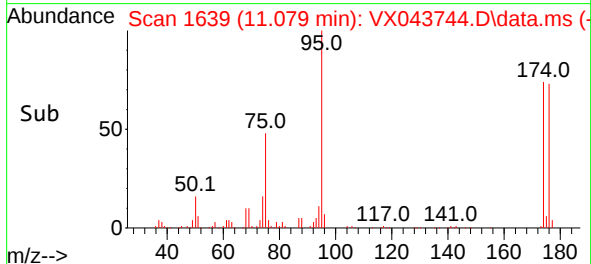
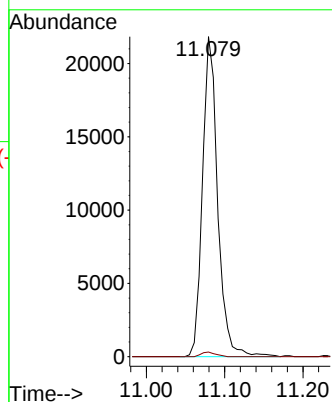
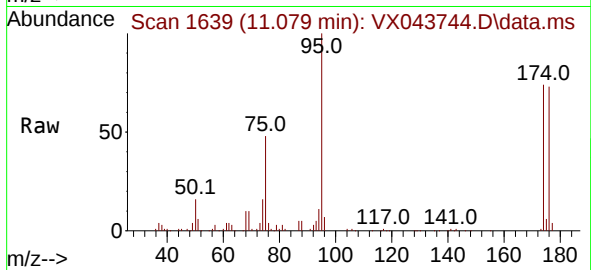




#76
1,2,3-Trichloropropane
Concen: 22.643 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043744.D
Acq: 07 Nov 2024 18:12

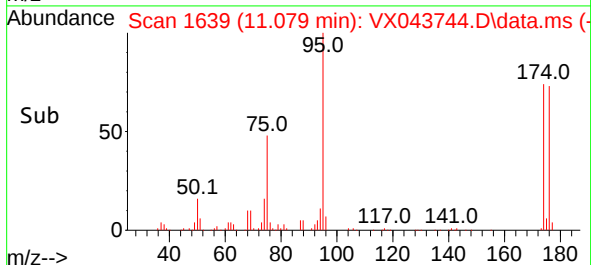
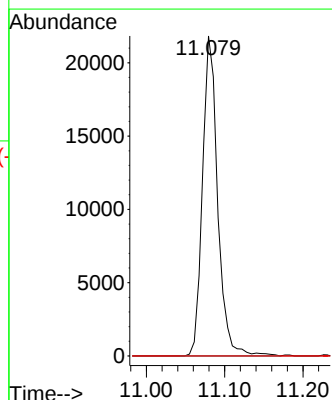
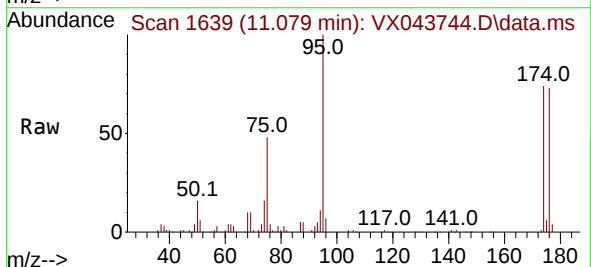
Instrument :
MSVOA_X
ClientSampleId :

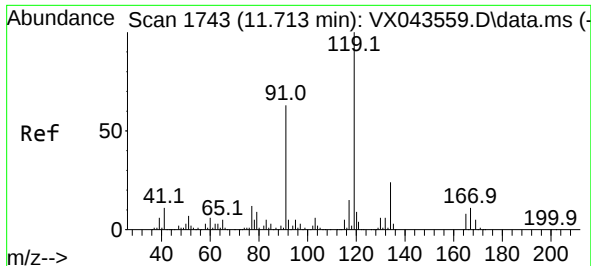
Tgt Ion: 75 Resp: 29386
Ion Ratio Lower Upper
75 100
77 1.4 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.291 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043744.D
Acq: 07 Nov 2024 18:12

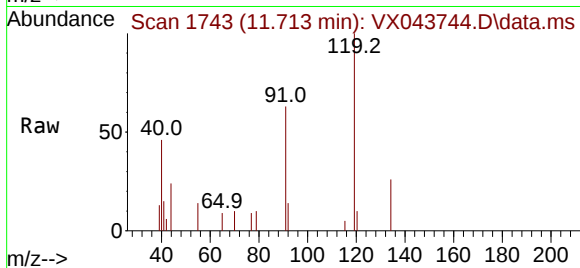
Tgt Ion: 75 Resp: 29386
Ion Ratio Lower Upper
75 100
53 0.0 84.6 126.8#
89 0.0 38.6 58.0#



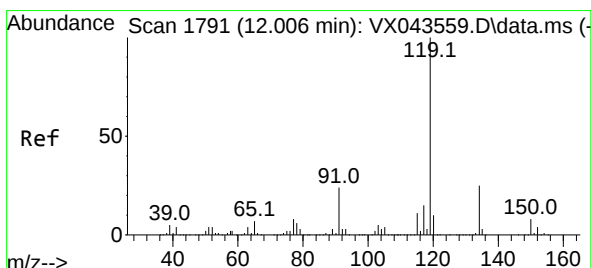
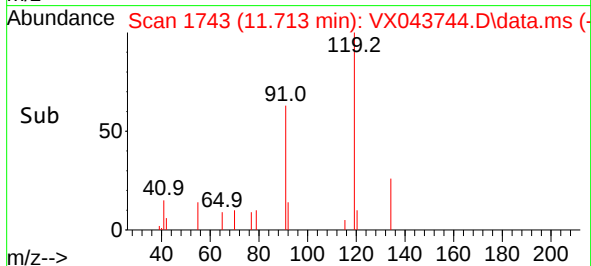
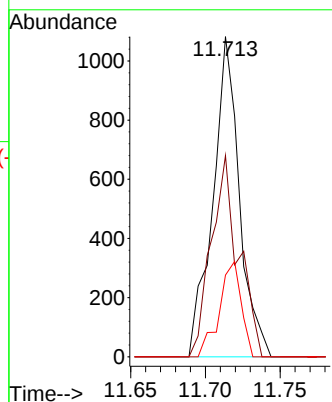


#83
tert-Butylbenzene
Concen: 0.365 ug/l
RT: 11.713 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043744.D
Acq: 07 Nov 2024 18:12

Instrument :
MSVOA_X
ClientSampleId :

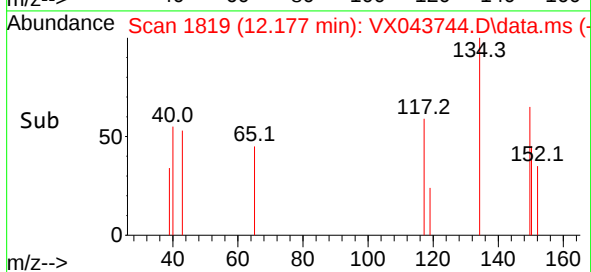
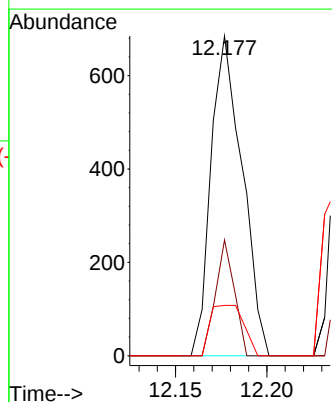
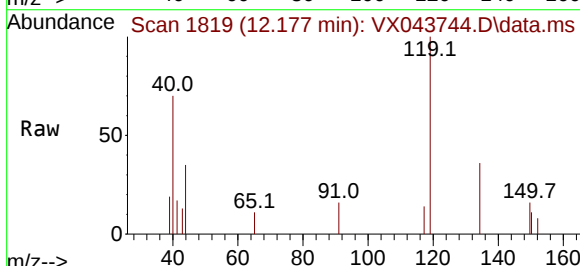


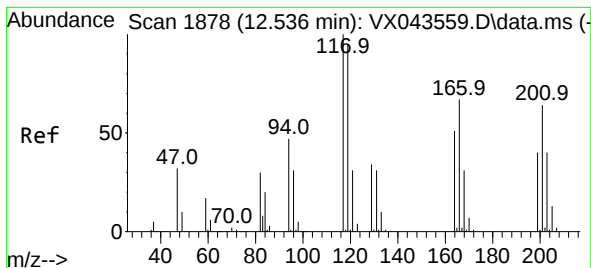
Tgt Ion:	119	Resp:	1332
Ion	Ratio	Lower	Upper
119	100		
91	64.9	29.5	88.5
134	24.5	11.8	35.3



#86
p-Isopropyltoluene
Concen: 0.224 ug/l
RT: 12.177 min Scan# 1819
Delta R.T. 0.171 min
Lab File: VX043744.D
Acq: 07 Nov 2024 18:12

Tgt Ion:	119	Resp:	813
Ion	Ratio	Lower	Upper
119	100		
134	21.6	13.1	39.1
91	16.9	12.4	37.0





#90

Hexachloroethane

Concen: 3.183 ug/l

RT: 12.646 min Scan# 1878

Delta R.T. 0.110 min

Lab File: VX043744.D

Acq: 07 Nov 2024 18:12

Instrument :

MSVOA_X

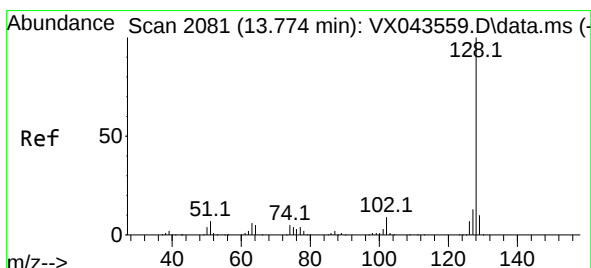
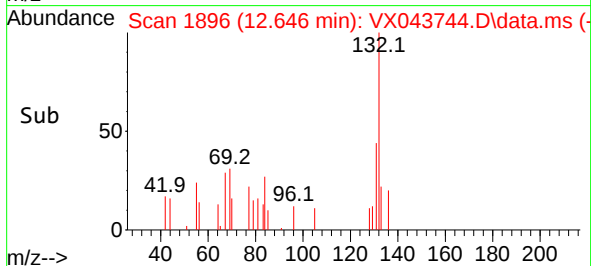
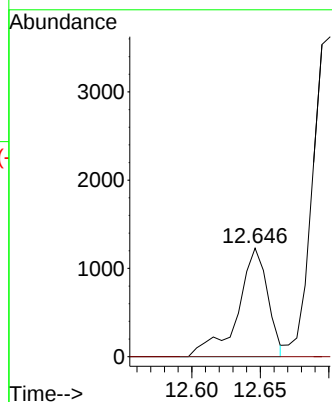
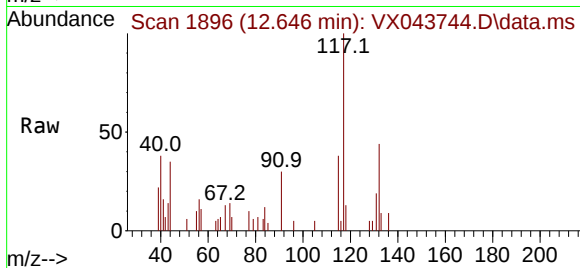
ClientSampleId :

Tgt Ion:117 Resp: 1878

Ion Ratio Lower Upper

117 100

201 0.0 32.9 98.7#



#95

Naphthalene

Concen: 0.238 ug/l

RT: 13.786 min Scan# 2083

Delta R.T. 0.012 min

Lab File: VX043744.D

Acq: 07 Nov 2024 18:12

Tgt Ion:128 Resp: 1125

Ion Ratio Lower Upper

128 100

127 11.8 10.2 15.4

129 10.3 8.7 13.1

