

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120424\
 Data File : VX044122.D
 Acq On : 04 Dec 2024 17:15
 Operator : JC/MD
 Sample : P5006-06RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 05 00:31:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

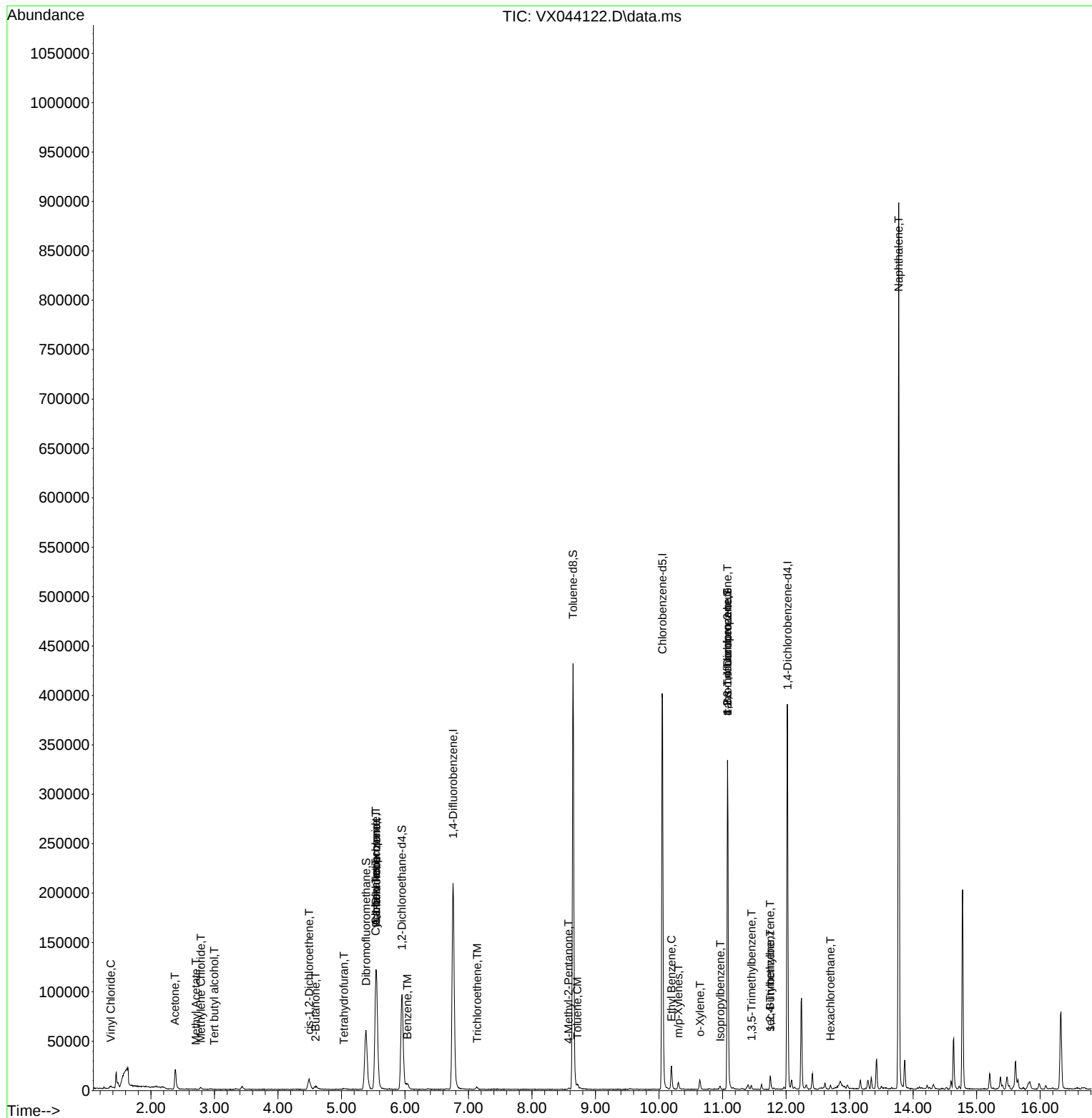
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	105046	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	206576	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	176949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	96662	53.650	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.300%	
35) Dibromofluoromethane	5.385	113	50712	34.356	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 68.720%#	
50) Toluene-d8	8.647	98	248214	48.782	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.560%	
62) 4-Bromofluorobenzene	11.079	95	85139	49.166	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.340%	
Target Compounds						Qvalue
4) Vinyl Chloride	1.368	62	737	0.495	ug/l #	77
11) Tert butyl alcohol	2.995	59	210	0.726	ug/l #	73
16) Acetone	2.380	43	22057	26.655	ug/l	95
18) Methyl Acetate	2.709	43	541	0.281	ug/l #	65
20) Methylene Chloride	2.788	84	874	0.622	ug/l #	72
25) 2-Butanone	4.593	43	4375	4.097	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	5820	3.768	ug/l	94
29) Tetrahydrofuran	5.038	42	353	0.539	ug/l	89
31) Cyclohexane	5.538	56	3109	1.548	ug/l #	14
36) 1,1-Dichloropropene	5.544	75	11150	6.062	ug/l #	50
38) Carbon Tetrachloride	5.544	117	12526	6.061	ug/l #	16
40) Benzene	6.037	78	5591	0.976	ug/l	96
44) Trichloroethene	7.135	130	847	0.522	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	1218	0.549	ug/l #	37
52) Toluene	8.714	92	924	0.269	ug/l	89
67) Ethyl Benzene	10.195	91	14746	2.239	ug/l	96
68) m/p-Xylenes	10.305	106	2051	0.835	ug/l	95
69) o-Xylene	10.646	106	2333	0.973	ug/l	97
73) Isopropylbenzene	10.963	105	1778	0.319	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	49685	31.208	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.457	105	1994	0.434	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.079	75	49685	85.160	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.750	105	6386	1.397	ug/l	93
85) sec-Butylbenzene	11.750	105	6386	1.145	ug/l #	57
90) Hexachloroethane	12.701	117	2000	2.597	ug/l #	18
95) Naphthalene	13.774	128	488271	94.029	ug/l	99

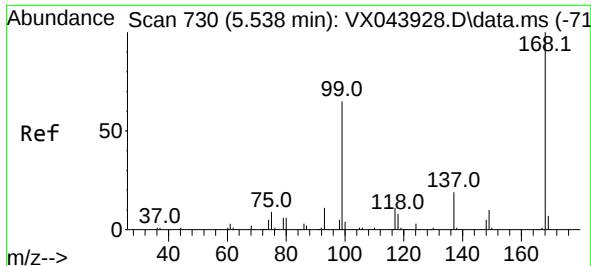
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 22 03:45:52 2024
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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. 0.012 min

Lab File: VX044122.D

Acq: 04 Dec 2024 17:15

Instrument :

MSVOA_X

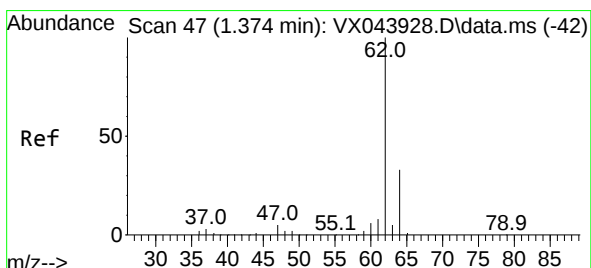
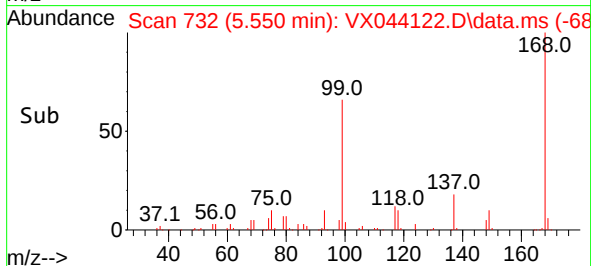
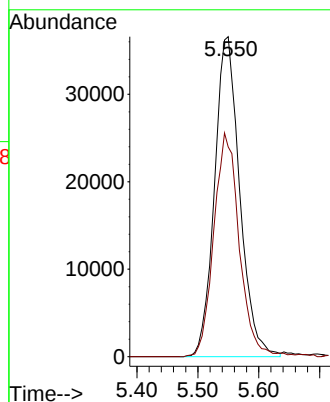
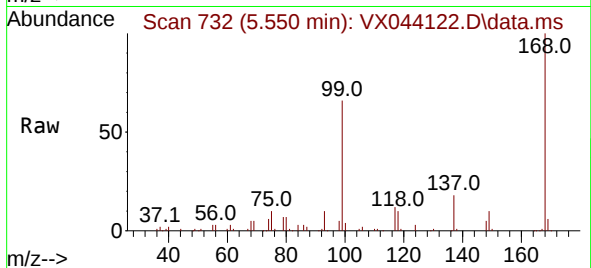
ClientSampleId :

Tgt Ion:168 Resp: 105046

Ion Ratio Lower Upper

168 100

99 65.6 51.8 77.8



#4

Vinyl Chloride

Concen: 0.495 ug/l

RT: 1.368 min Scan# 46

Delta R.T. -0.006 min

Lab File: VX044122.D

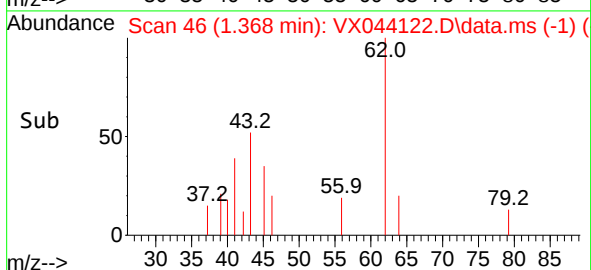
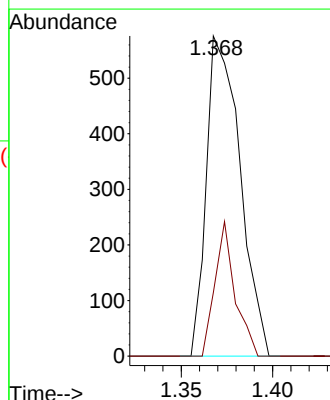
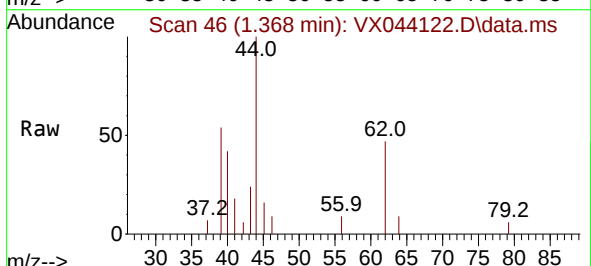
Acq: 04 Dec 2024 17:15

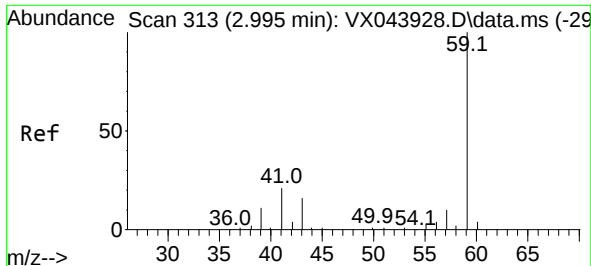
Tgt Ion: 62 Resp: 737

Ion Ratio Lower Upper

62 100

64 19.8 26.2 39.4#





#11

Tert butyl alcohol

Concen: 0.726 ug/l

RT: 2.995 min Scan# 313

Delta R.T. -0.000 min

Lab File: VX044122.D

Acq: 04 Dec 2024 17:15

Instrument :

MSVOA_X

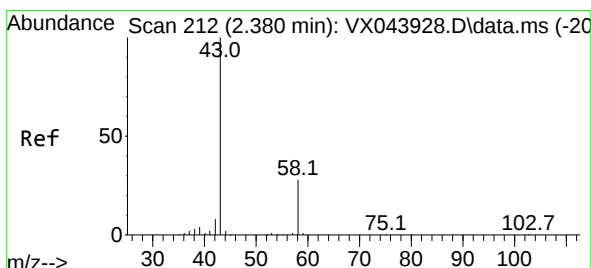
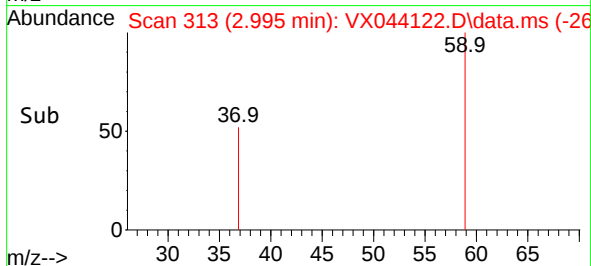
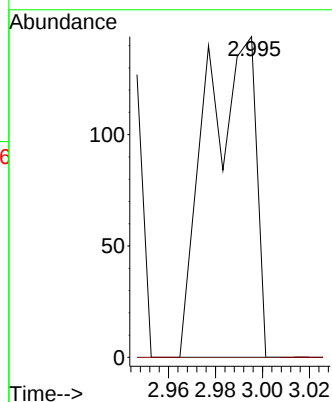
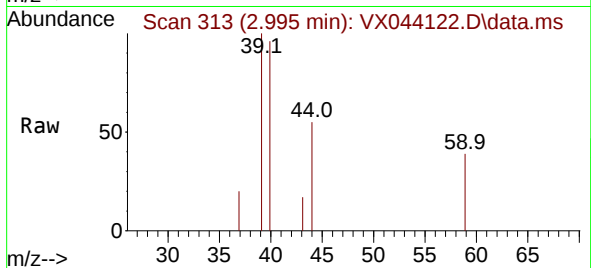
ClientSampleId :

Tgt Ion: 59 Resp: 210

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



#16

Acetone

Concen: 26.655 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX044122.D

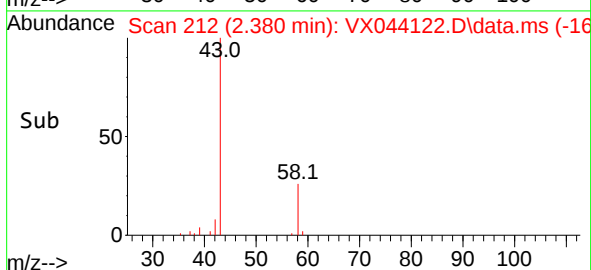
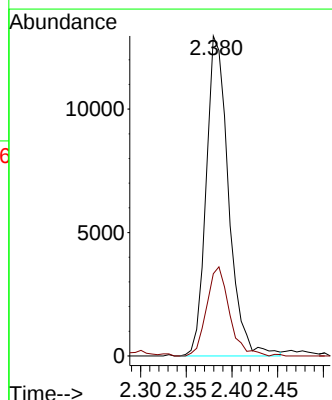
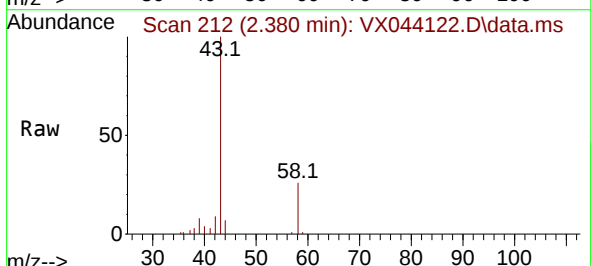
Acq: 04 Dec 2024 17:15

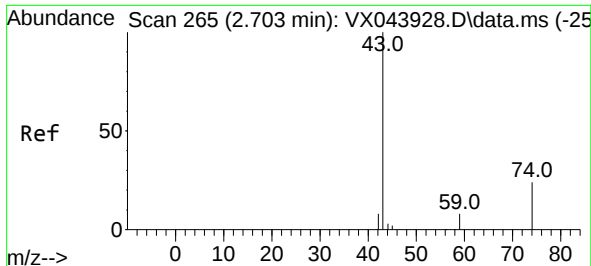
Tgt Ion: 43 Resp: 22057

Ion Ratio Lower Upper

43 100

58 25.7 22.7 34.1

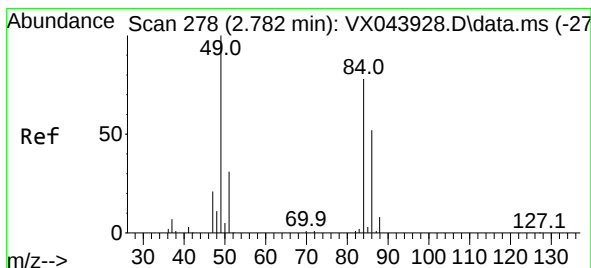
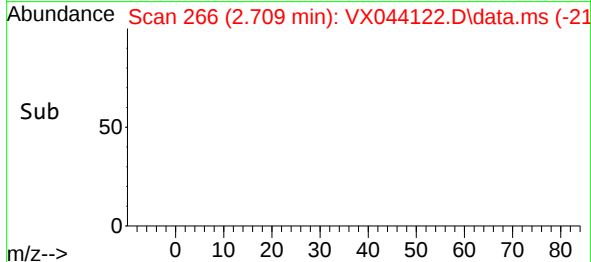
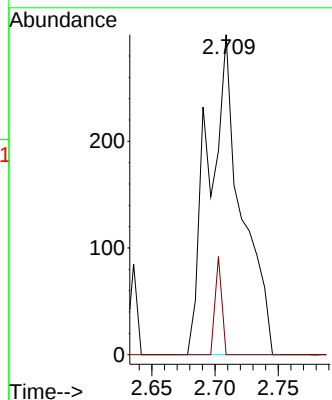
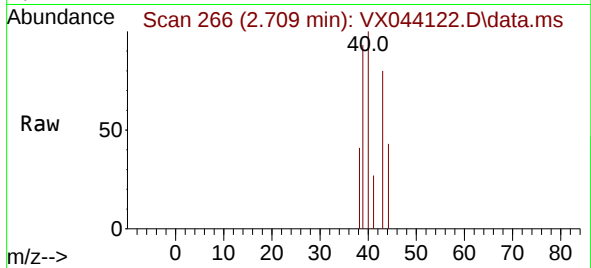




#18
Methyl Acetate
Concen: 0.281 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044122.D
Acq: 04 Dec 2024 17:15

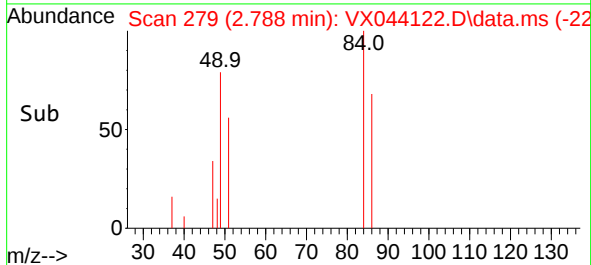
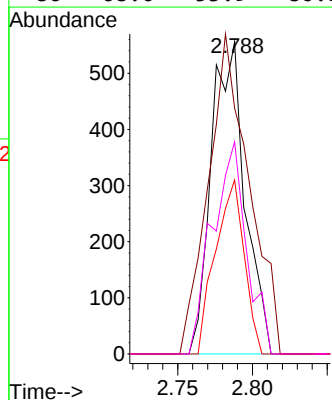
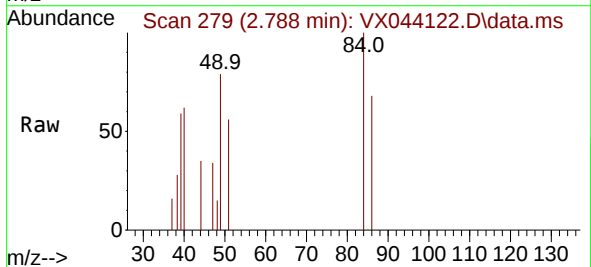
Instrument :
MSVOA_X
ClientSampleId :

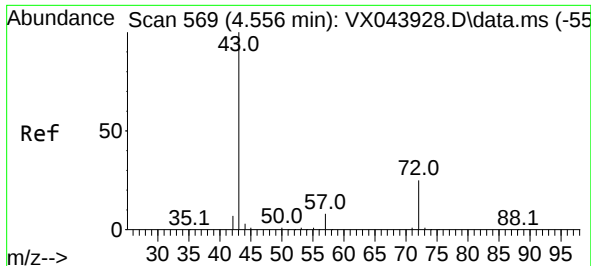
Tgt Ion: 43 Resp: 541
Ion Ratio Lower Upper
43 100
74 6.3 18.9 28.3#



#20
Methylene Chloride
Concen: 0.622 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX044122.D
Acq: 04 Dec 2024 17:15

Tgt Ion: 84 Resp: 874
Ion Ratio Lower Upper
84 100
49 78.8 102.7 154.1#
51 55.8 31.7 47.5#
86 68.0 53.9 80.9

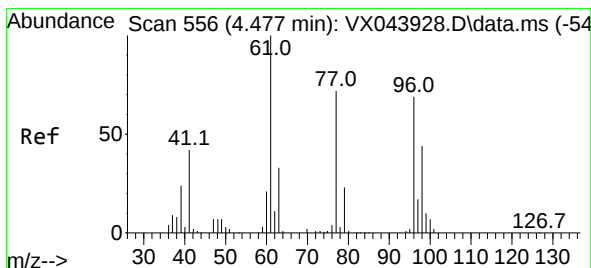
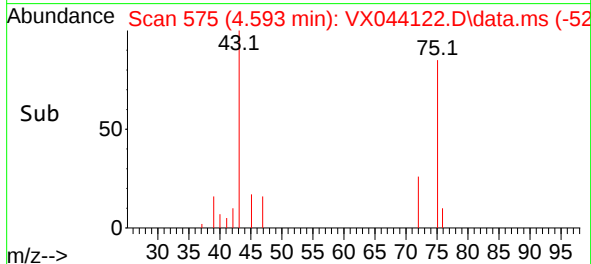
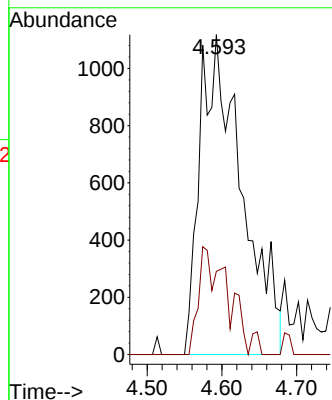
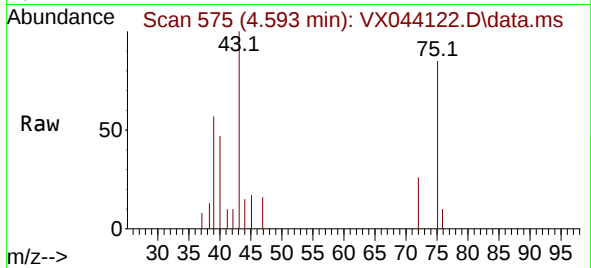




#25
2-Butanone
Concen: 4.097 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.036 min
Lab File: VX044122.D
Acq: 04 Dec 2024 17:15

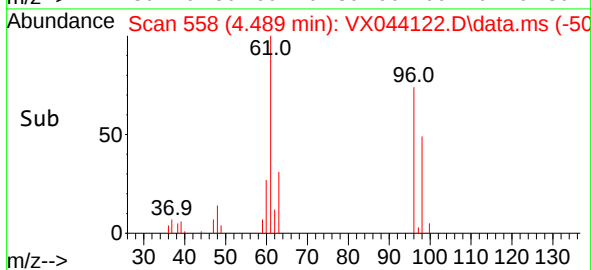
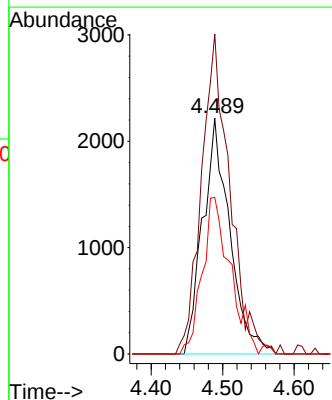
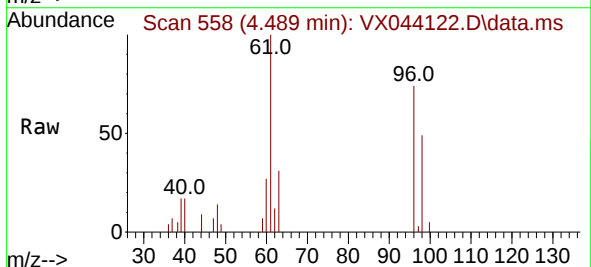
Instrument :
MSVOA_X
ClientSampleId :

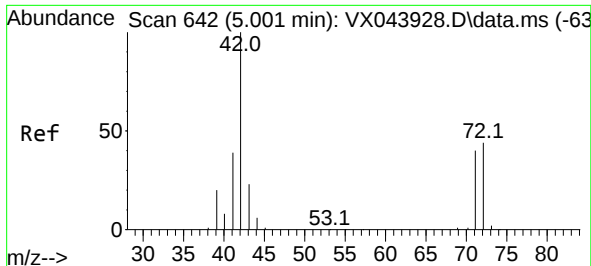
Tgt Ion: 43 Resp: 4375
Ion Ratio Lower Upper
43 100
72 26.0 20.2 30.2



#27
cis-1,2-Dichloroethene
Concen: 3.768 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.012 min
Lab File: VX044122.D
Acq: 04 Dec 2024 17:15

Tgt Ion: 96 Resp: 5820
Ion Ratio Lower Upper
96 100
61 141.5 0.0 297.4
98 68.7 0.0 127.8





#29

Tetrahydrofuran

Concen: 0.539 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.036 min

Lab File: VX044122.D

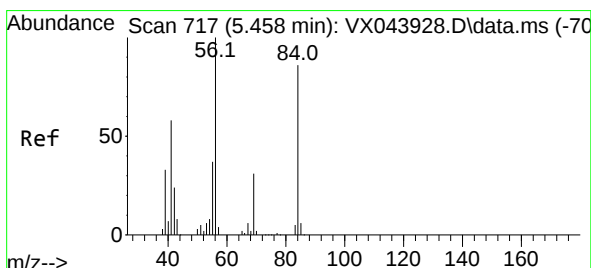
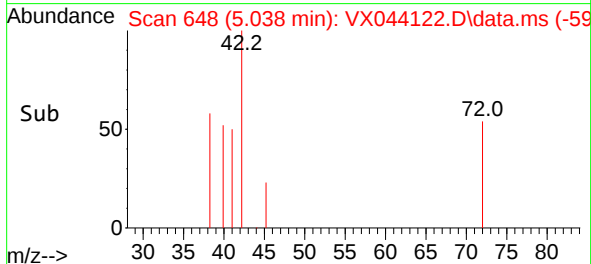
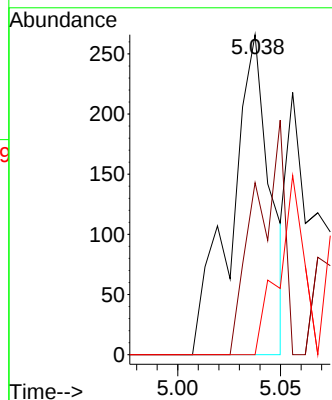
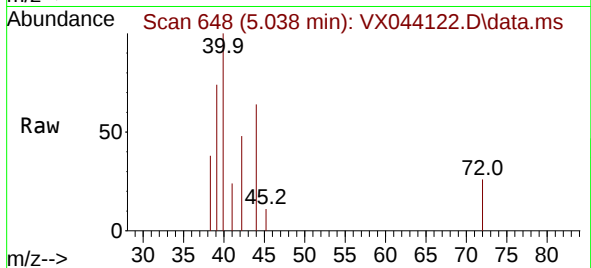
Acq: 04 Dec 2024 17:15

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 42	Resp: 353
Ion Ratio	Lower Upper
42 100	
72 52.7	36.4 54.6
71 35.1	33.4 50.0



#31

Cyclohexane

Concen: 1.548 ug/l

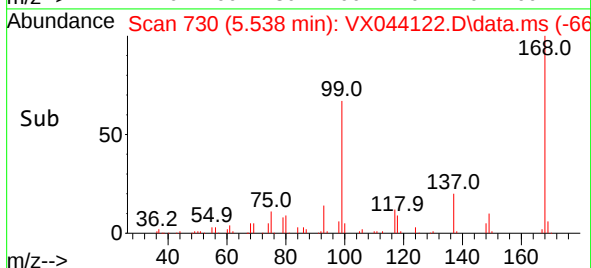
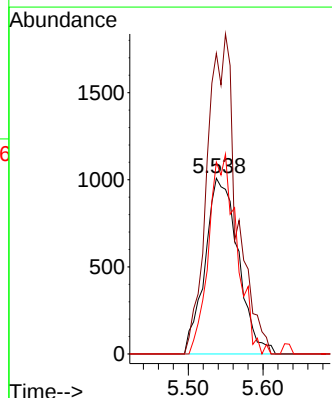
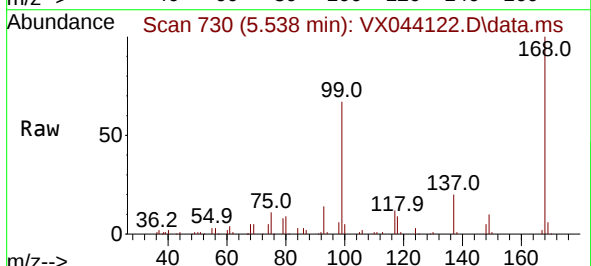
RT: 5.538 min Scan# 730

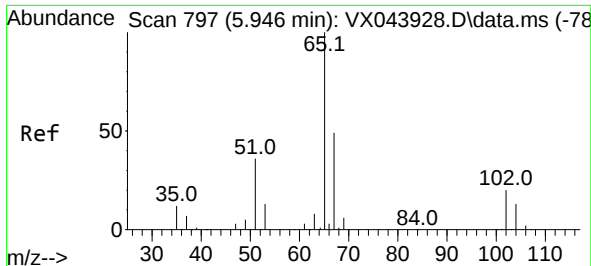
Delta R.T. 0.079 min

Lab File: VX044122.D

Acq: 04 Dec 2024 17:15

Tgt Ion: 56	Resp: 3109
Ion Ratio	Lower Upper
56 100	
69 171.1	24.7 37.1#
84 109.1	68.7 103.1#





#33

1,2-Dichloroethane-d4

Concen: 53.650 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX044122.D

Acq: 04 Dec 2024 17:15

Instrument :

MSVOA_X

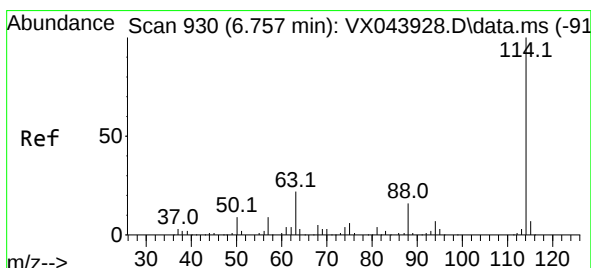
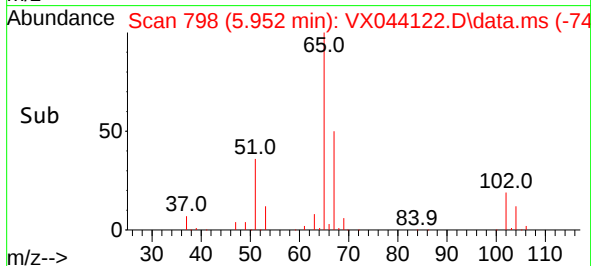
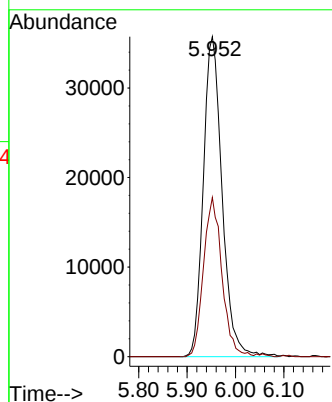
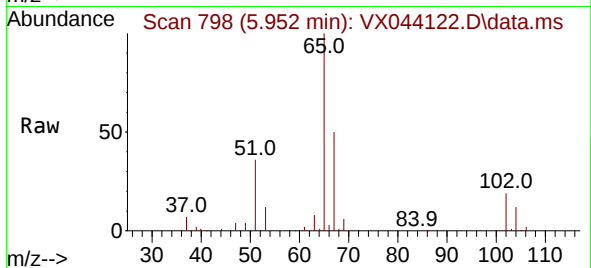
ClientSampleId :

Tgt Ion: 65 Resp: 96662

Ion Ratio Lower Upper

65 100

67 48.6 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044122.D

Acq: 04 Dec 2024 17:15

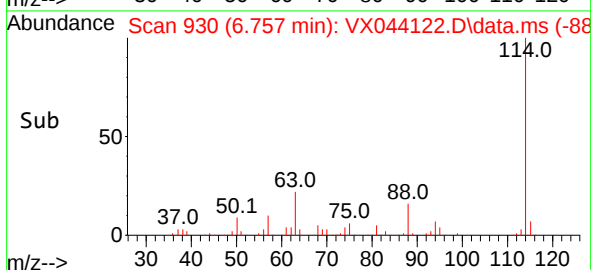
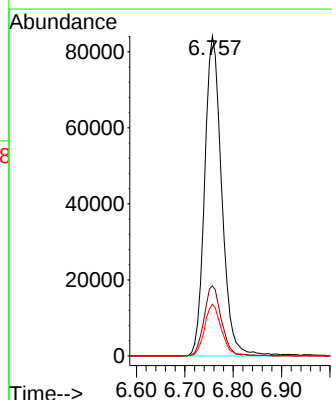
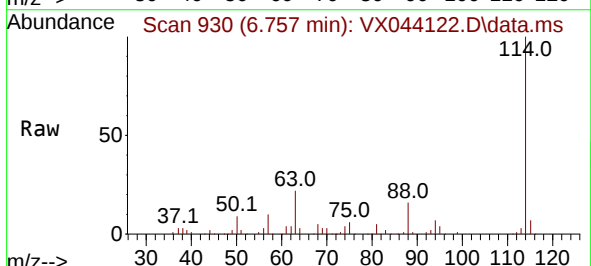
Tgt Ion: 114 Resp: 206576

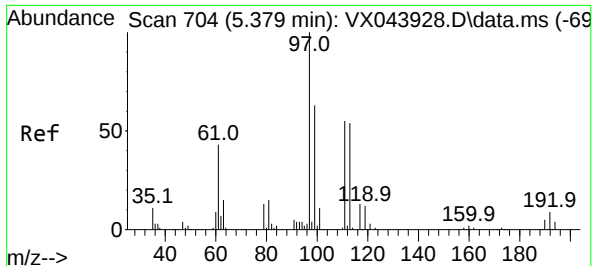
Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.0

88 16.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 34.356 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

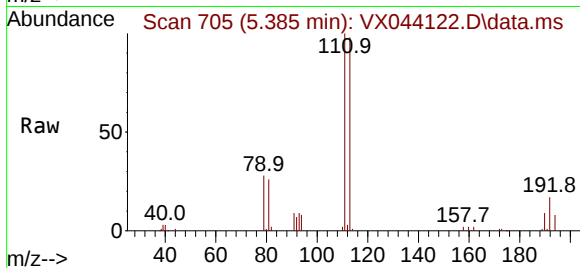
Lab File: VX044122.D

Acq: 04 Dec 2024 17:15

Instrument :

MSVOA_X

ClientSampleId :



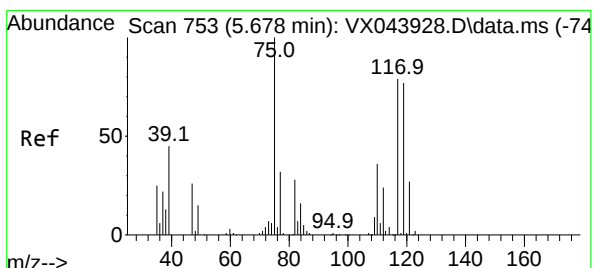
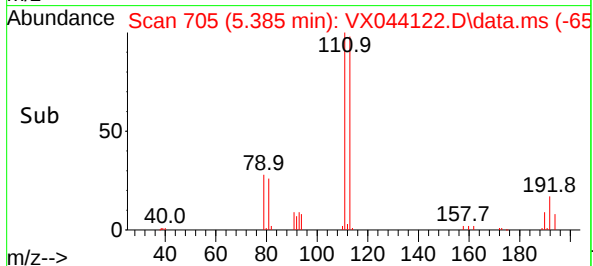
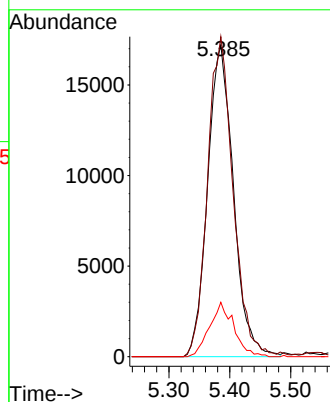
Tgt Ion:113 Resp: 50712

Ion Ratio Lower Upper

113 100

111 101.4 81.0 121.4

192 16.4 13.0 19.6



#36

1,1-Dichloropropene

Concen: 6.062 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.134 min

Lab File: VX044122.D

Acq: 04 Dec 2024 17:15

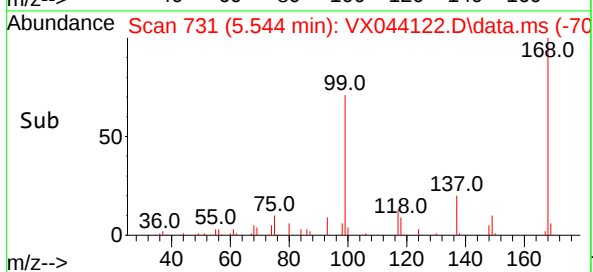
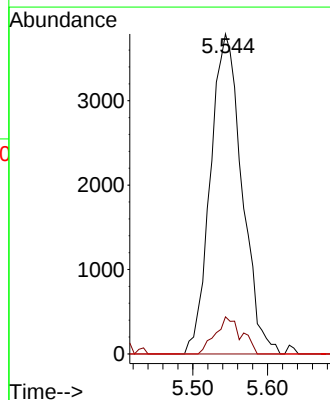
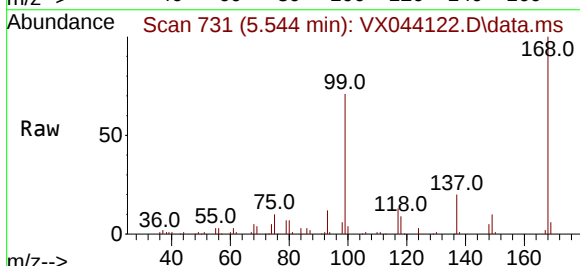
Tgt Ion: 75 Resp: 11150

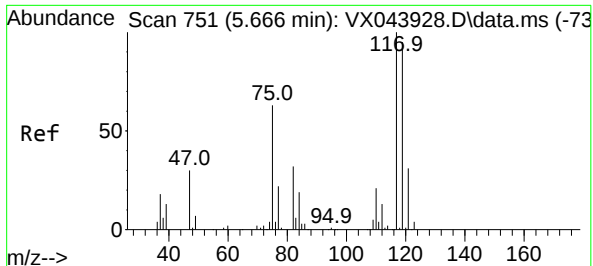
Ion Ratio Lower Upper

75 100

110 9.5 17.4 52.2#

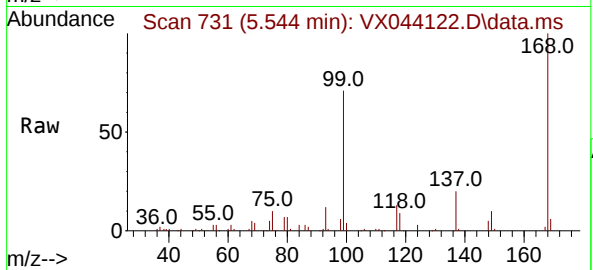
77 0.0 25.8 38.8#



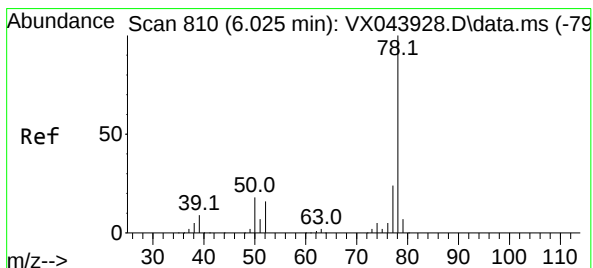
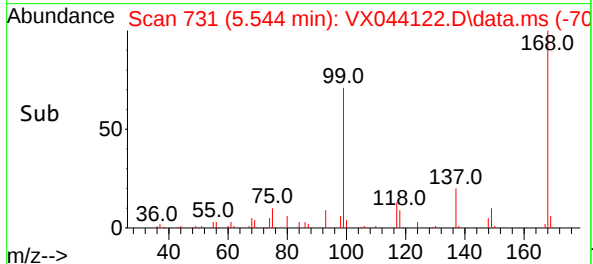
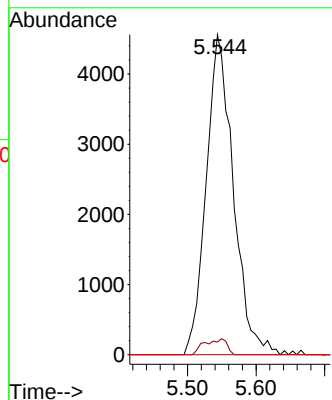


#38
Carbon Tetrachloride
Concen: 6.061 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX044122.D
Acq: 04 Dec 2024 17:15

Instrument :
MSVOA_X
ClientSampleId :

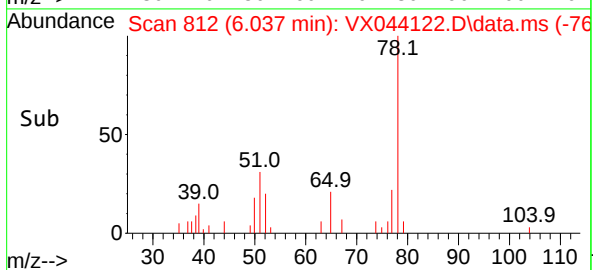
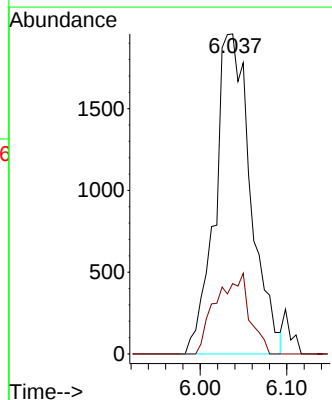
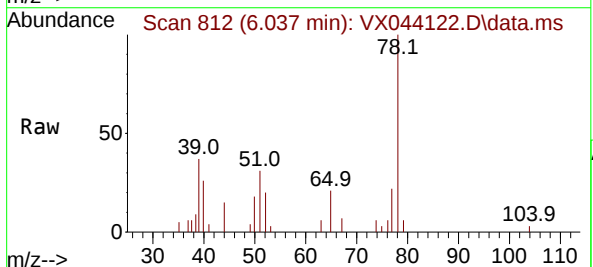


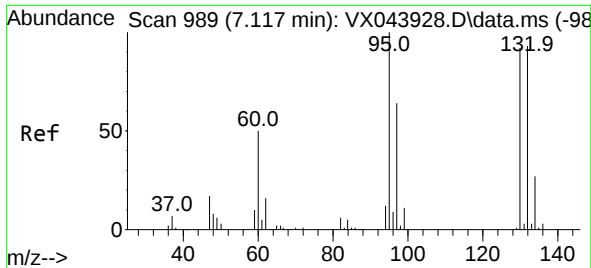
Tgt Ion:117 Resp: 12526
Ion Ratio Lower Upper
117 100
119 3.9 75.2 112.8#
121 0.0 24.5 36.7#



#40
Benzene
Concen: 0.976 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.012 min
Lab File: VX044122.D
Acq: 04 Dec 2024 17:15

Tgt Ion: 78 Resp: 5591
Ion Ratio Lower Upper
78 100
77 22.0 19.2 28.8

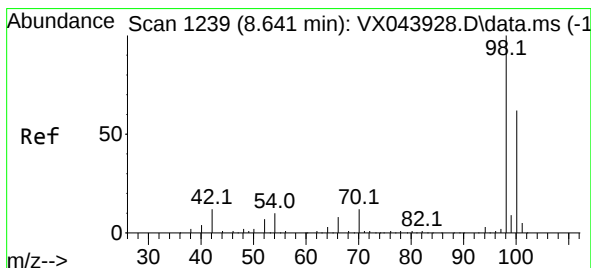
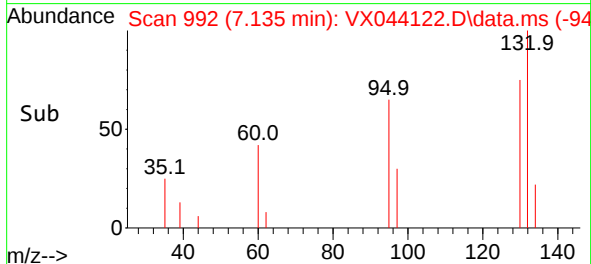
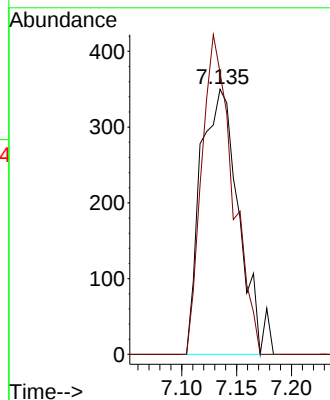
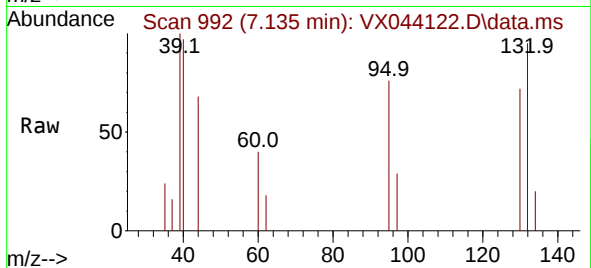




#44
 Trichloroethene
 Concen: 0.522 ug/l
 RT: 7.135 min Scan# 94
 Delta R.T. 0.018 min
 Lab File: VX044122.D
 Acq: 04 Dec 2024 17:15

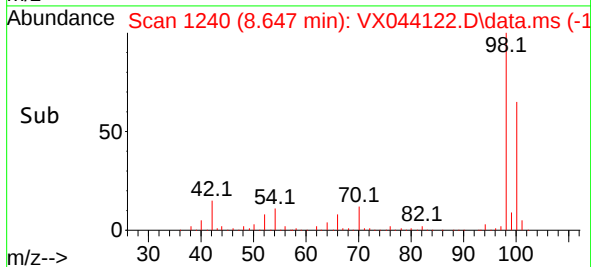
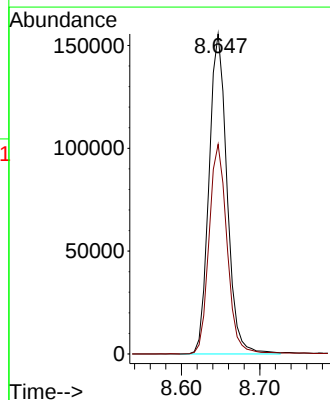
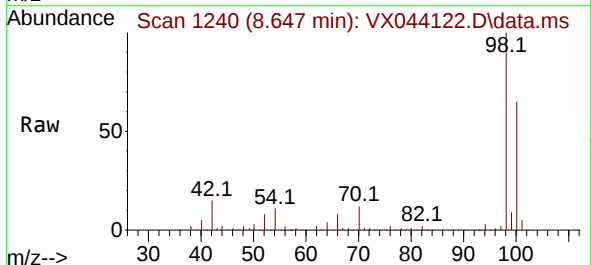
Instrument :
 MSVOA_X
 ClientSampleId :

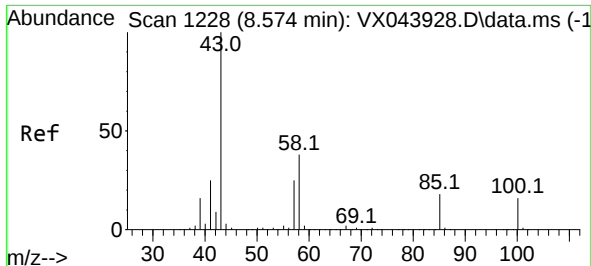
Tgt Ion:130 Resp: 847
 Ion Ratio Lower Upper
 130 100
 95 106.3 0.0 217.8



#50
 Toluene-d8
 Concen: 48.782 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. 0.006 min
 Lab File: VX044122.D
 Acq: 04 Dec 2024 17:15

Tgt Ion: 98 Resp: 248214
 Ion Ratio Lower Upper
 98 100
 100 65.6 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 0.549 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX044122.D

Acq: 04 Dec 2024 17:15

Instrument :

MSVOA_X

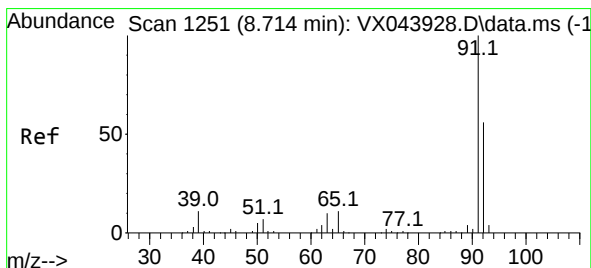
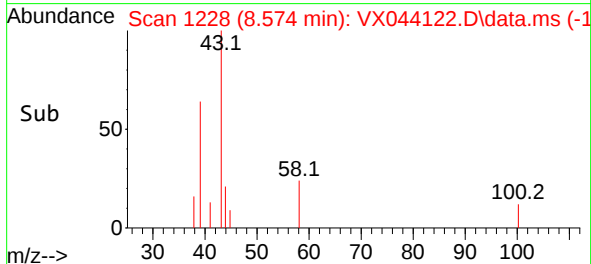
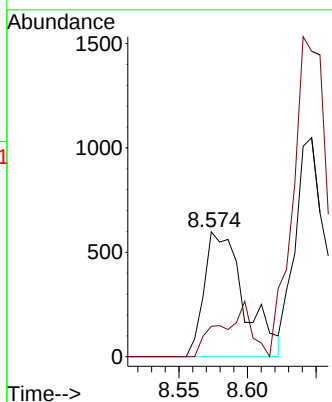
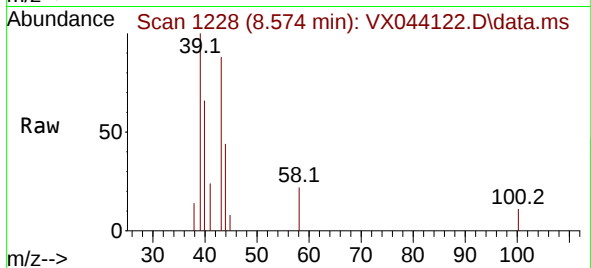
ClientSampleId :

Tgt Ion: 43 Resp: 1218

Ion Ratio Lower Upper

43 100

58 0.0 30.0 45.0#



#52

Toluene

Concen: 0.269 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX044122.D

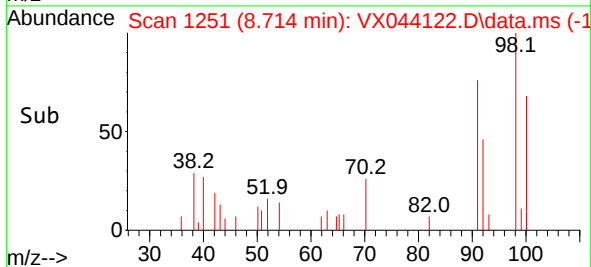
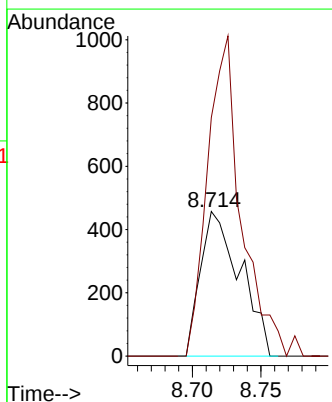
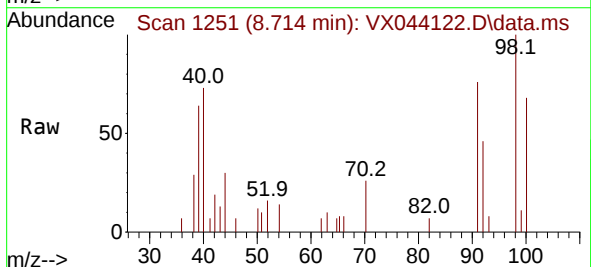
Acq: 04 Dec 2024 17:15

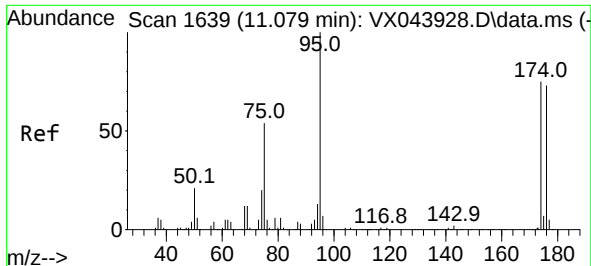
Tgt Ion: 92 Resp: 924

Ion Ratio Lower Upper

92 100

91 189.3 139.7 209.5





#62

4-Bromofluorobenzene

Concen: 49.166 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044122.D

Acq: 04 Dec 2024 17:15

Instrument :

MSVOA_X

ClientSampleId :

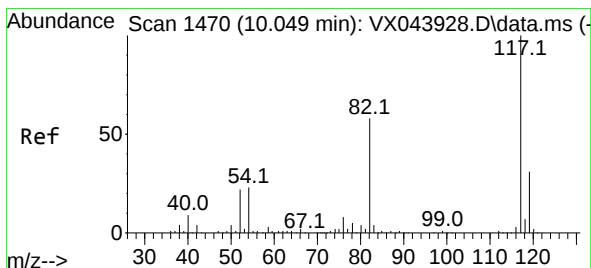
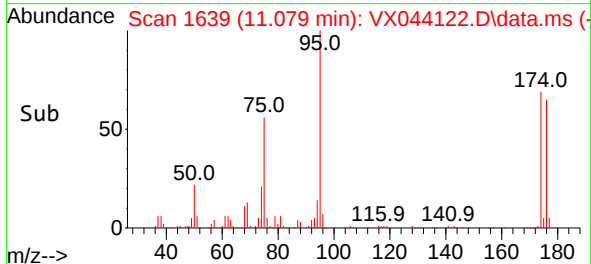
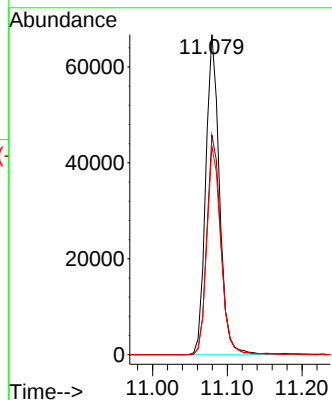
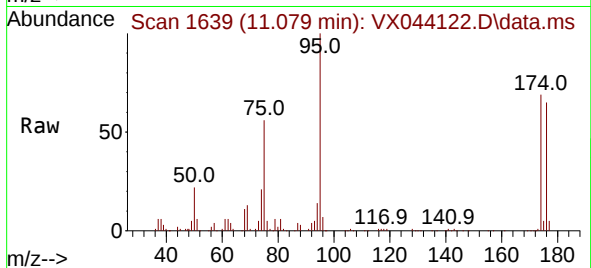
Tgt Ion: 95 Resp: 85139

Ion Ratio Lower Upper

95 100

174 70.2 0.0 150.4

176 66.9 0.0 146.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX044122.D

Acq: 04 Dec 2024 17:15

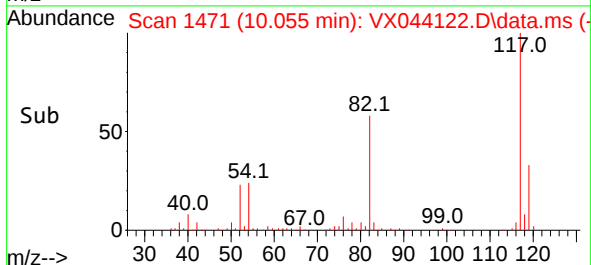
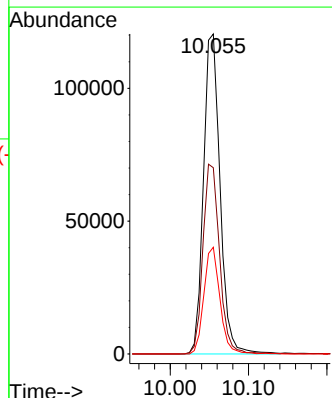
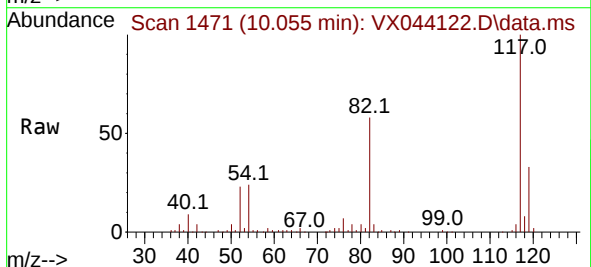
Tgt Ion: 117 Resp: 176949

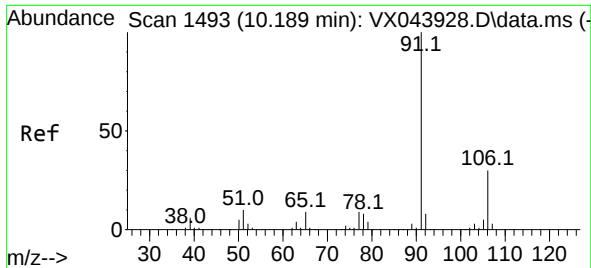
Ion Ratio Lower Upper

117 100

82 58.2 46.4 69.6

119 33.4 24.6 37.0





#67

Ethyl Benzene

Concen: 2.239 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.006 min

Lab File: VX044122.D

Acq: 04 Dec 2024 17:15

Instrument :

MSVOA_X

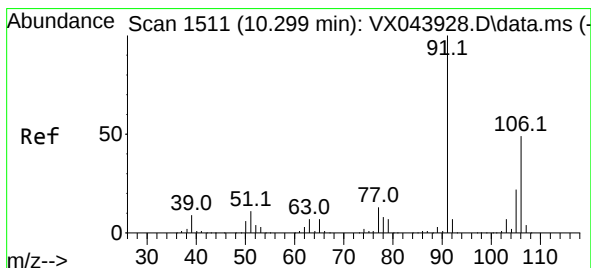
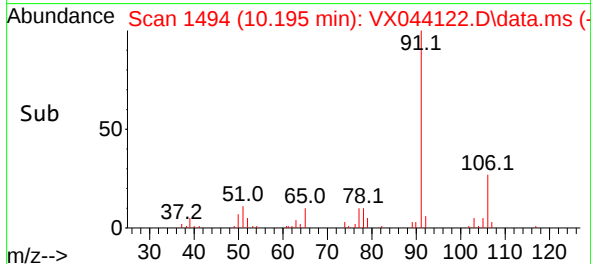
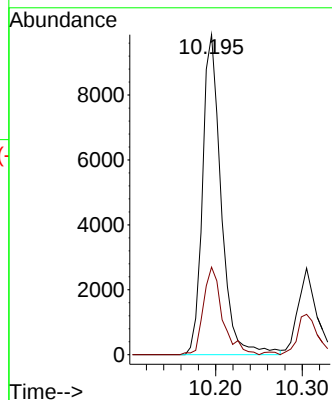
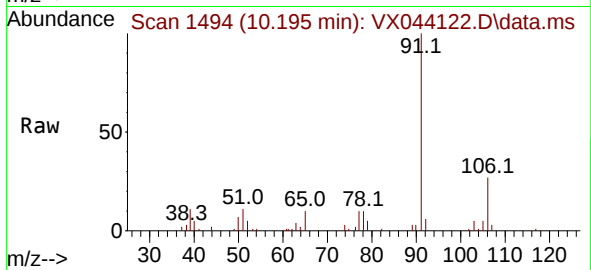
ClientSampleId :

Tgt Ion: 91 Resp: 14746

Ion Ratio Lower Upper

91 100

106 27.4 23.6 35.4



#68

m/p-Xylenes

Concen: 0.835 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX044122.D

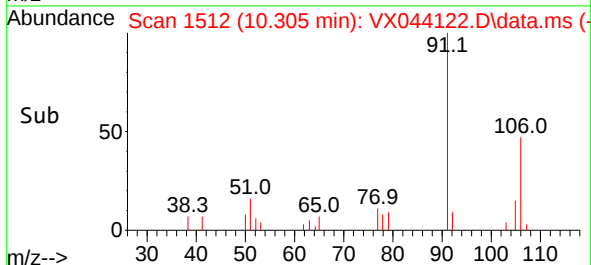
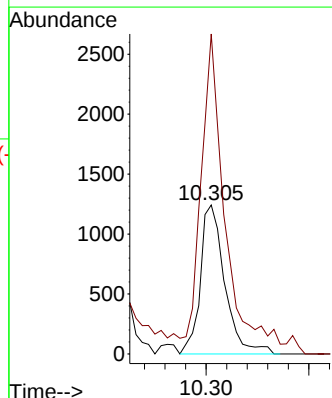
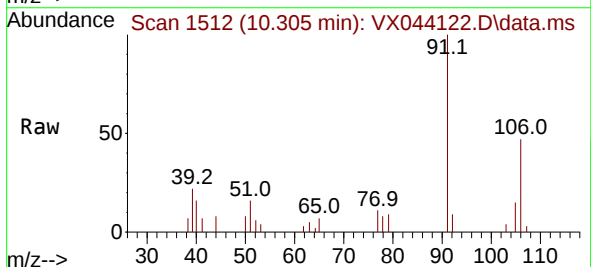
Acq: 04 Dec 2024 17:15

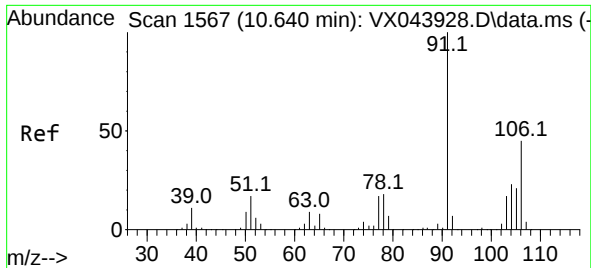
Tgt Ion:106 Resp: 2051

Ion Ratio Lower Upper

106 100

91 218.3 168.1 252.1

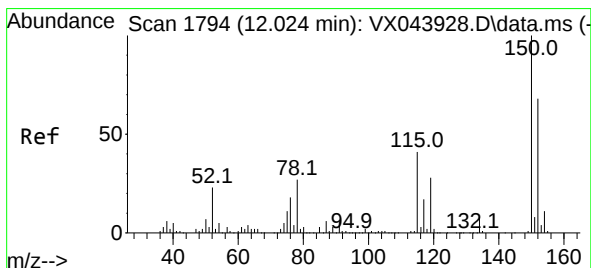
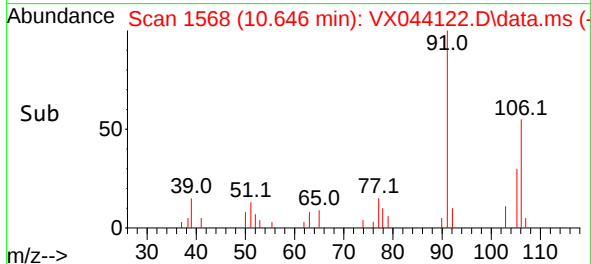
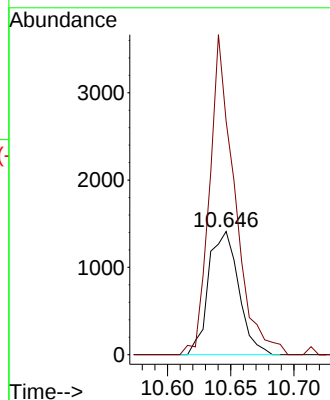
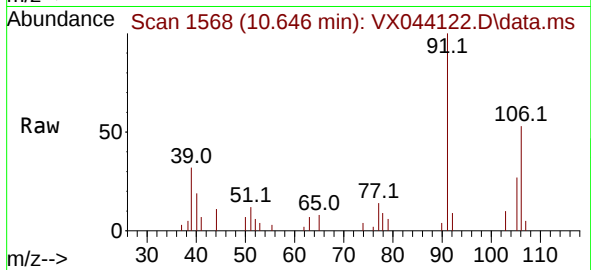




#69
o-Xylene
Concen: 0.973 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044122.D
Acq: 04 Dec 2024 17:15

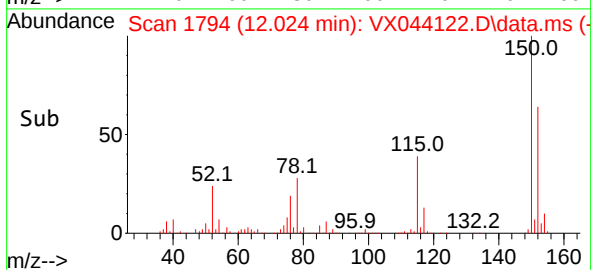
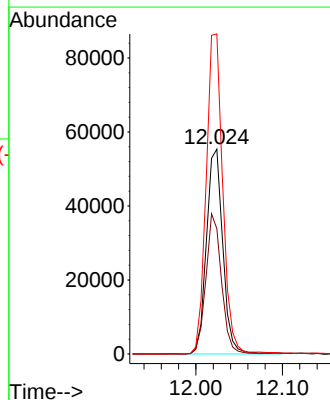
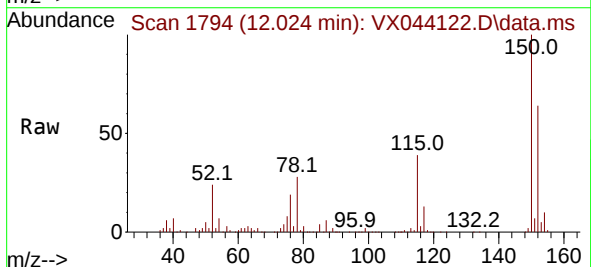
Instrument :
MSVOA_X
ClientSampleId :

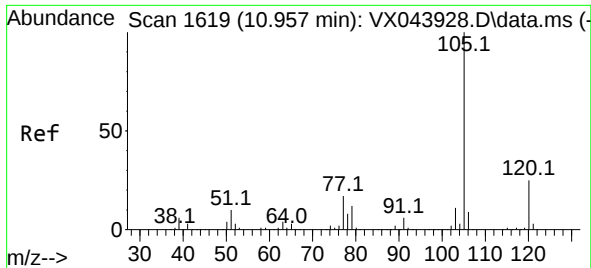
Tgt Ion:106 Resp: 2333
Ion Ratio Lower Upper
106 100
91 216.3 110.2 330.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX044122.D
Acq: 04 Dec 2024 17:15

Tgt Ion:152 Resp: 72597
Ion Ratio Lower Upper
152 100
115 65.4 45.4 136.2
150 159.0 0.0 353.0

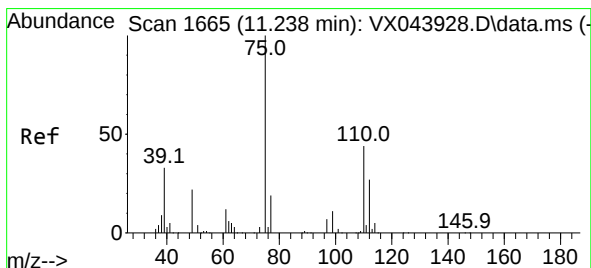
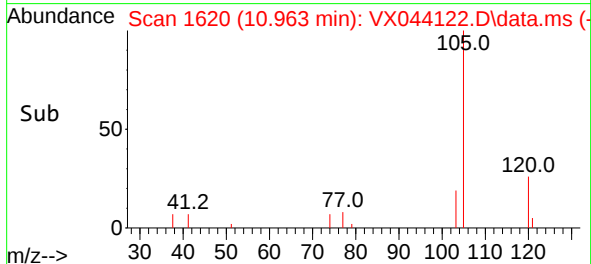
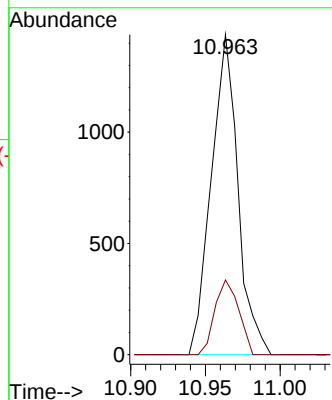
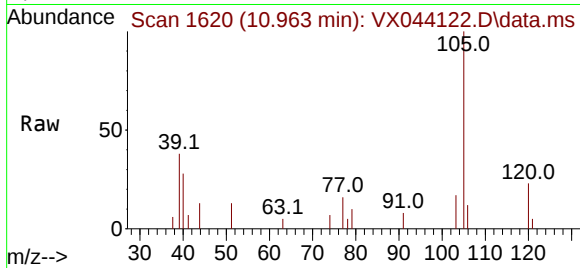




#73
Isopropylbenzene
Concen: 0.319 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX044122.D
Acq: 04 Dec 2024 17:15

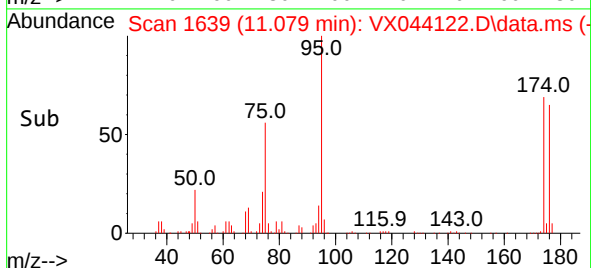
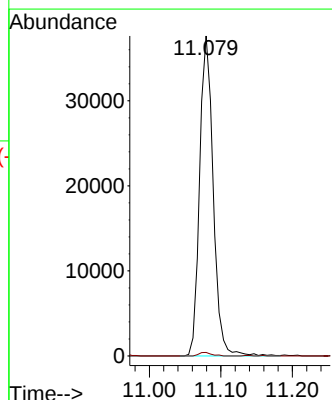
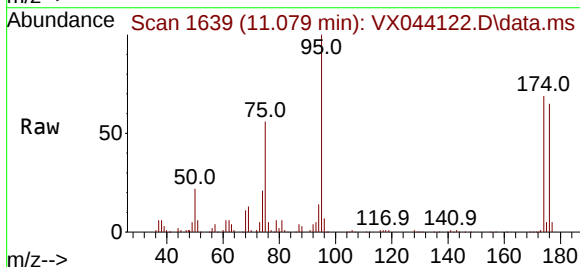
Instrument :
MSVOA_X
ClientSampleId :

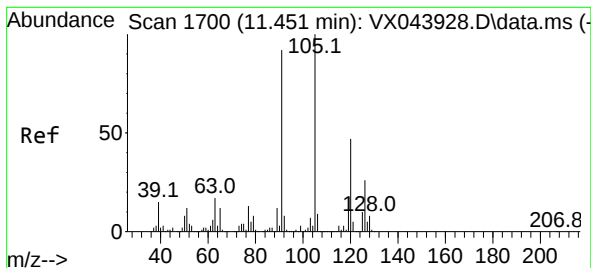
Tgt Ion:105 Resp: 1778
Ion Ratio Lower Upper
105 100
120 20.9 13.0 38.9



#76
1,2,3-Trichloropropane
Concen: 31.208 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044122.D
Acq: 04 Dec 2024 17:15

Tgt Ion: 75 Resp: 49685
Ion Ratio Lower Upper
75 100
77 1.0 21.8 65.3#





#80

1,3,5-Trimethylbenzene

Concen: 0.434 ug/l

RT: 11.457 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044122.D

Acq: 04 Dec 2024 17:15

Instrument :

MSVOA_X

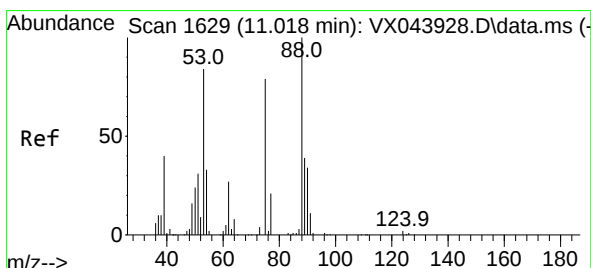
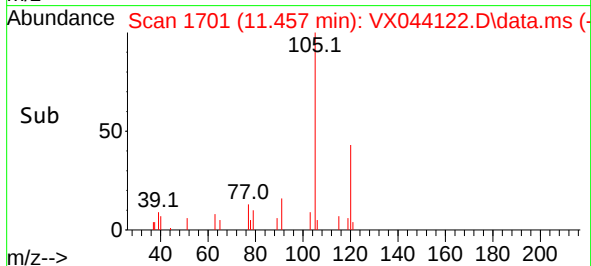
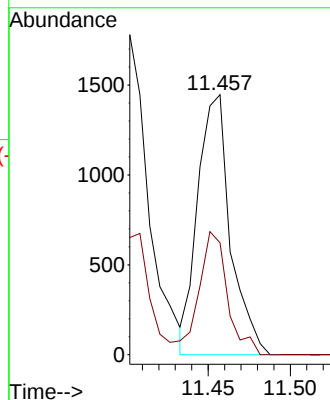
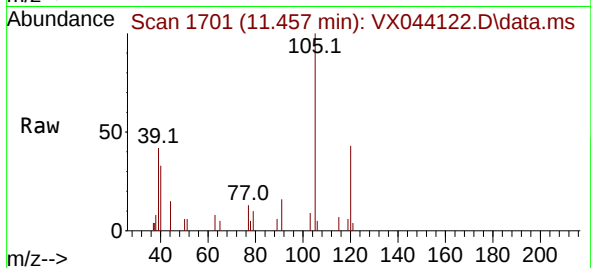
ClientSampleId :

Tgt Ion:105 Resp: 1994

Ion Ratio Lower Upper

105 100

120 42.0 23.3 69.8



#81

trans-1,4-Dichloro-2-butene

Concen: 85.160 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX044122.D

Acq: 04 Dec 2024 17:15

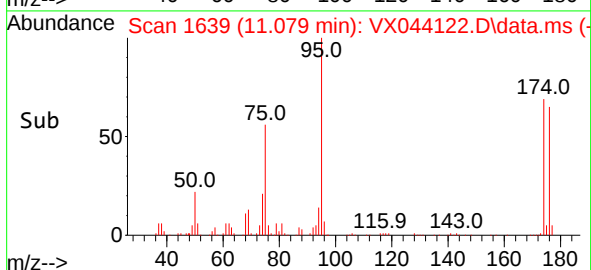
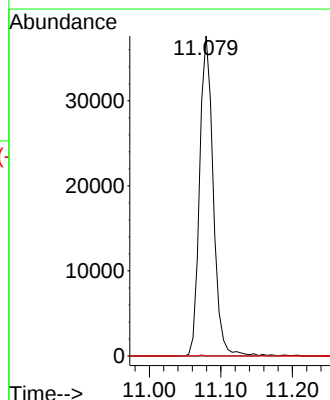
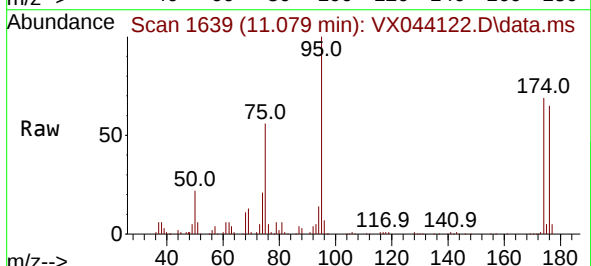
Tgt Ion: 75 Resp: 49685

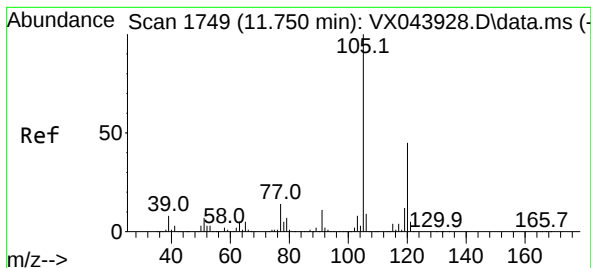
Ion Ratio Lower Upper

75 100

53 0.0 86.7 130.1#

89 0.1 38.2 57.2#





#84

1,2,4-Trimethylbenzene

Concen: 1.397 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044122.D

Acq: 04 Dec 2024 17:15

Instrument :

MSVOA_X

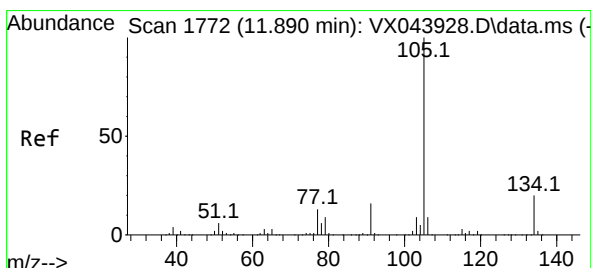
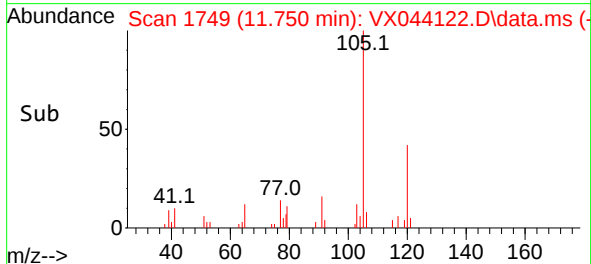
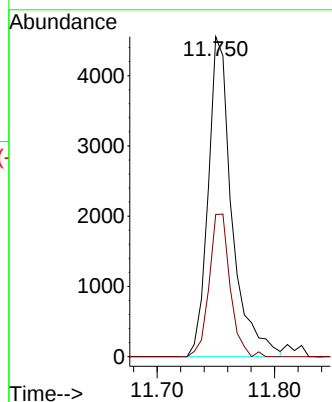
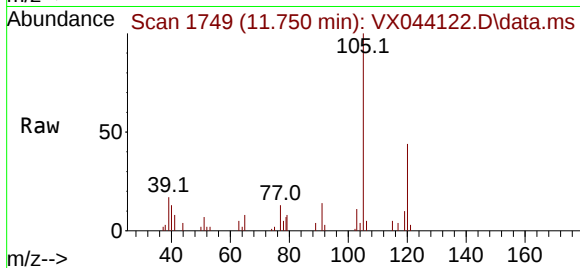
ClientSampleId :

Tgt Ion:105 Resp: 6386

Ion Ratio Lower Upper

105 100

120 39.3 21.9 65.7



#85

sec-Butylbenzene

Concen: 1.145 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.140 min

Lab File: VX044122.D

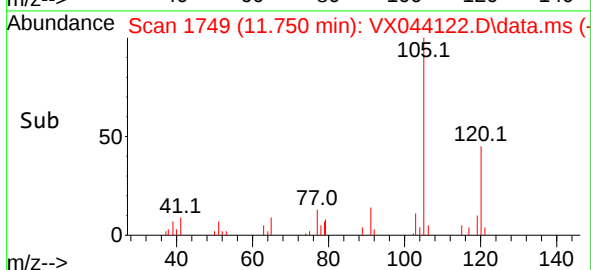
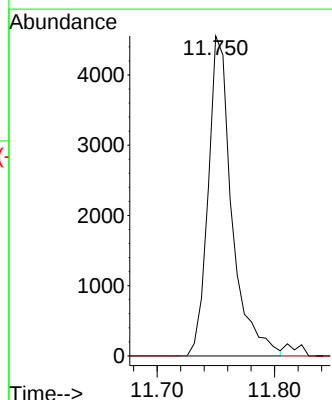
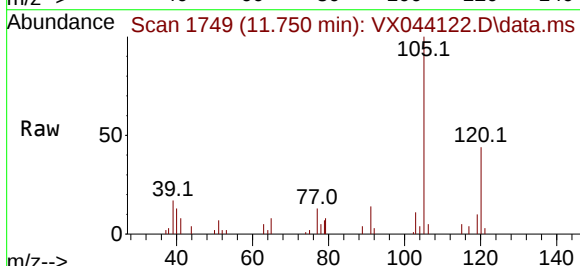
Acq: 04 Dec 2024 17:15

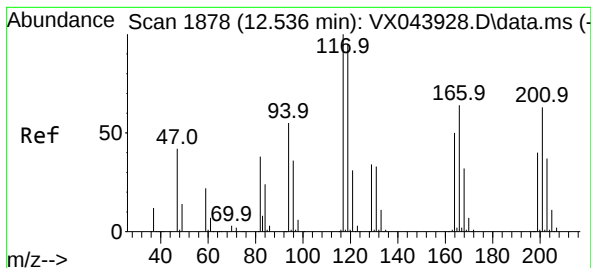
Tgt Ion:105 Resp: 6386

Ion Ratio Lower Upper

105 100

134 0.0 9.7 29.1#





#90

Hexachloroethane

Concen: 2.597 ug/l

RT: 12.701 min Scan# 1905

Delta R.T. 0.164 min

Lab File: VX044122.D

Acq: 04 Dec 2024 17:15

Instrument :

MSVOA_X

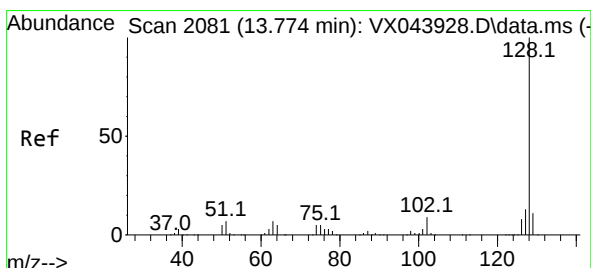
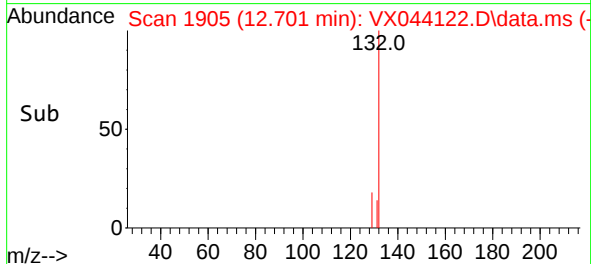
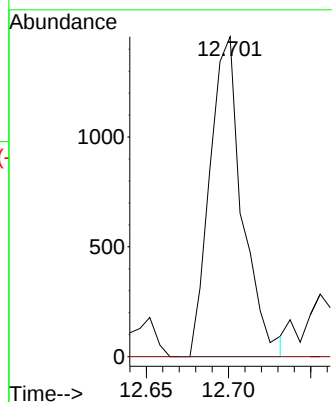
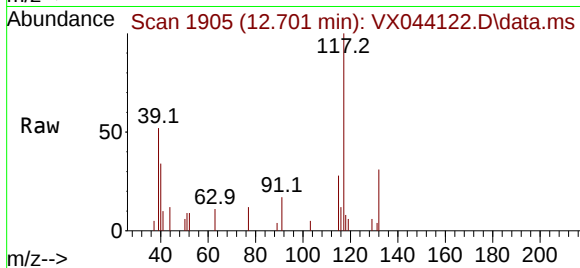
ClientSampleId :

Tgt Ion:117 Resp: 2000

Ion Ratio Lower Upper

117 100

201 0.0 32.4 97.0#



#95

Naphthalene

Concen: 94.029 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX044122.D

Acq: 04 Dec 2024 17:15

Tgt Ion:128 Resp: 488271

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

129 10.8 8.6 12.8

