

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120324\
 Data File : VX044089.D
 Acq On : 03 Dec 2024 13:47
 Operator : JC/MD
 Sample : P5006-02RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 03 23:44:00 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

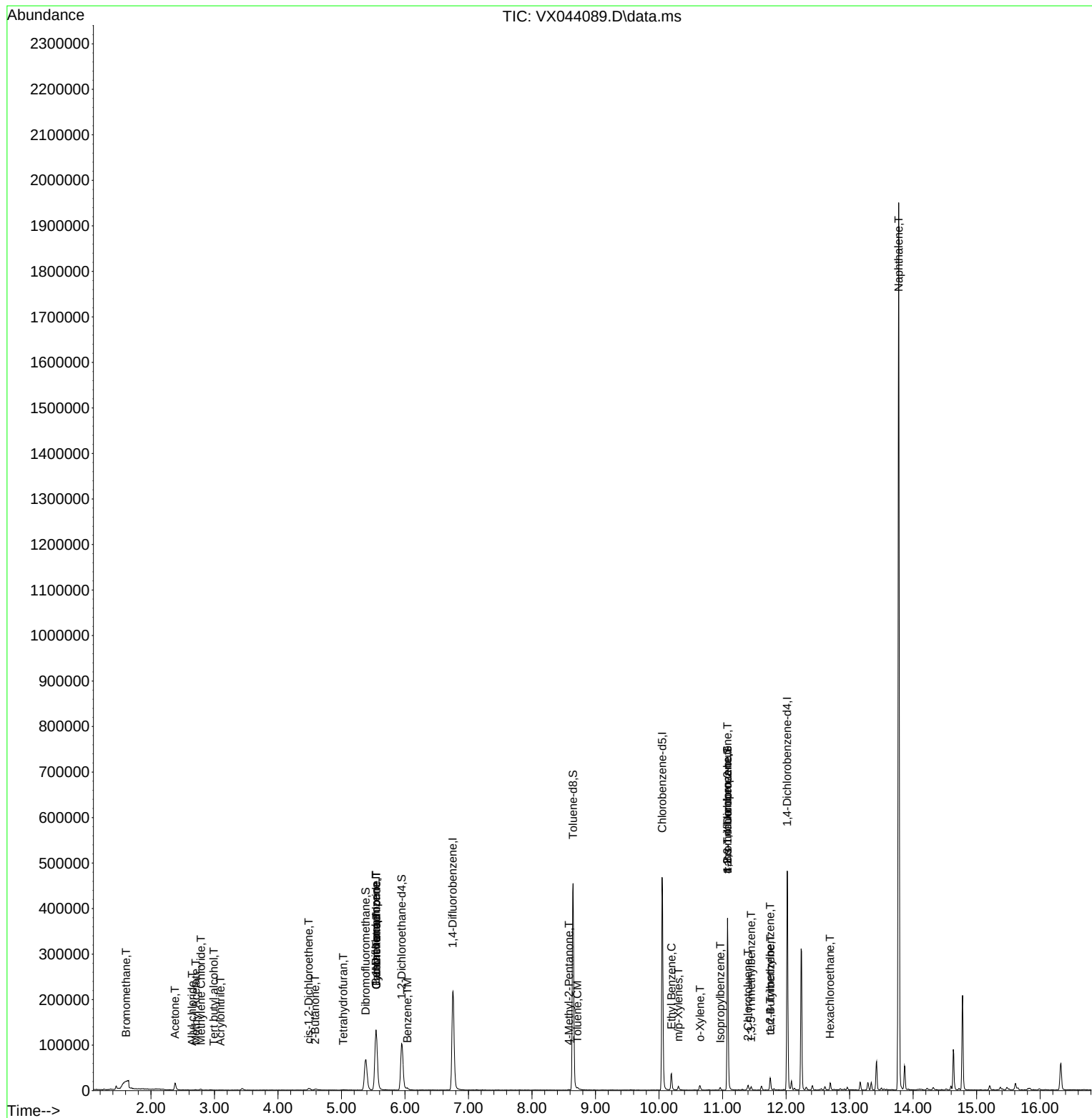
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	112757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	220233	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	195286	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	89527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	103087	53.303	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 106.600%		
35) Dibromofluoromethane	5.379	113	60552	38.478	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 76.960%		
50) Toluene-d8	8.647	98	271904	50.124	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 100.240%		
62) 4-Bromofluorobenzene	11.079	95	97762	52.955	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 105.900%		
Target Compounds						Qvalue
5) Bromomethane	1.605	94	640	0.651	ug/l #	80
11) Tert butyl alcohol	2.989	59	151	0.486	ug/l #	73
14) Allyl chloride	2.648	41	434	0.204	ug/l #	48
15) Acrylonitrile	3.093	53	162	0.214	ug/l #	33
16) Acetone	2.380	43	17325	19.504	ug/l	96
18) Methyl Acetate	2.703	43	904	0.437	ug/l #	52
20) Methylene Chloride	2.788	84	1028	0.682	ug/l #	65
25) 2-Butanone	4.587	43	3325	2.901	ug/l #	87
27) cis-1,2-Dichloroethene	4.483	96	1200	0.724	ug/l #	11
29) Tetrahydrofuran	5.026	42	318	0.453	ug/l #	82
31) Cyclohexane	5.550	56	3472	1.611	ug/l #	30
36) 1,1-Dichloropropene	5.544	75	11298	5.761	ug/l #	47
38) Carbon Tetrachloride	5.550	117	13699	6.217	ug/l #	17
40) Benzene	6.038	78	4225	0.692	ug/l	91
51) 4-Methyl-2-Pentanone	8.580	43	918	0.388	ug/l	96
52) Toluene	8.714	92	1129	0.309	ug/l	90
67) Ethyl Benzene	10.195	91	22563	3.105	ug/l	99
68) m/p-Xylenes	10.305	106	2219	0.819	ug/l	91
69) o-Xylene	10.646	106	2630	0.994	ug/l	96
73) Isopropylbenzene	10.963	105	3006	0.437	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	55304	28.169	ug/l #	34
79) 2-Chlorotoluene	11.402	91	1064	0.219	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.451	105	3761	0.664	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	55304	76.866	ug/l #	6
83) tert-Butylbenzene	11.756	119	1592	0.284	ug/l #	56
84) 1,2,4-Trimethylbenzene	11.750	105	12797	2.270	ug/l	93
90) Hexachloroethane	12.695	117	6213	6.542	ug/l #	18
95) Naphthalene	13.774	128	1092260	170.566	ug/l	99

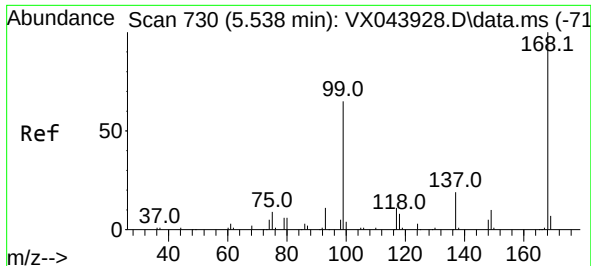
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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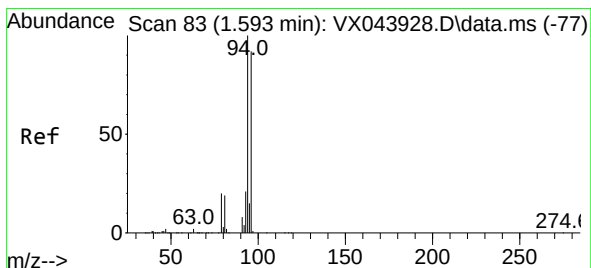
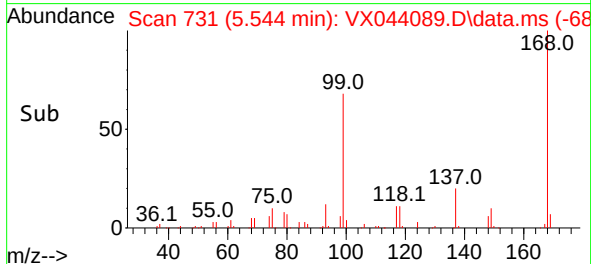
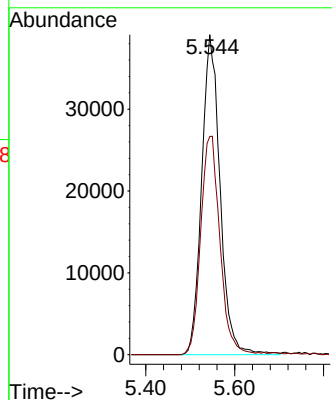
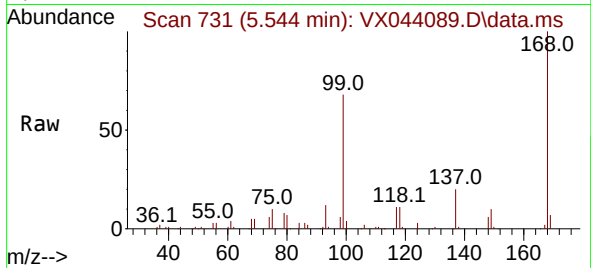




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX044089.D
Acq: 03 Dec 2024 13:47

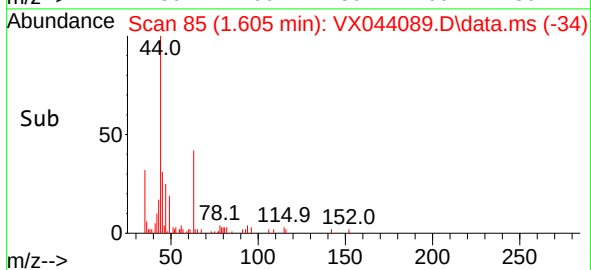
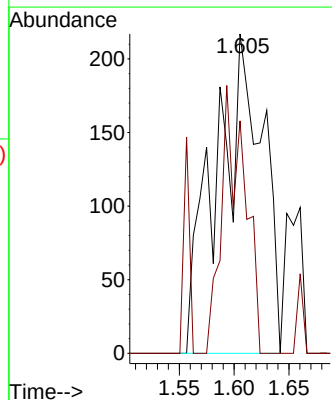
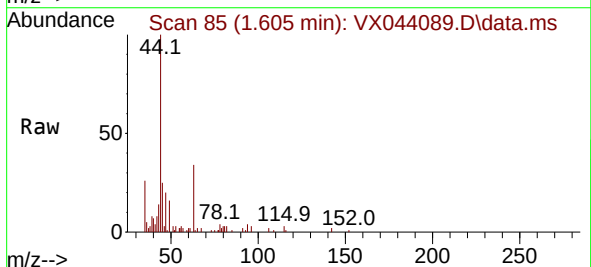
Instrument :
MSVOA_X
ClientSampleId :

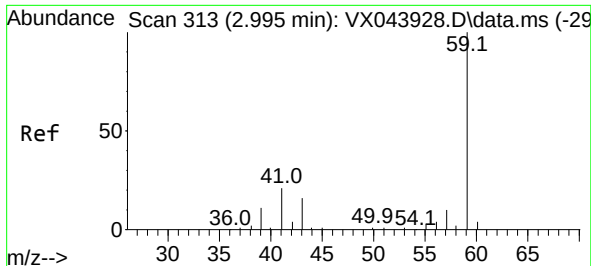
Tgt Ion:168 Resp: 112757
Ion Ratio Lower Upper
168 100
99 68.2 51.8 77.8



#5
Bromomethane
Concen: 0.651 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX044089.D
Acq: 03 Dec 2024 13:47

Tgt Ion: 94 Resp: 640
Ion Ratio Lower Upper
94 100
96 72.8 73.9 110.9#





#11

Tert butyl alcohol

Concen: 0.486 ug/l

RT: 2.989 min Scan# 313

Delta R.T. -0.006 min

Lab File: VX044089.D

Acq: 03 Dec 2024 13:47

Instrument :

MSVOA_X

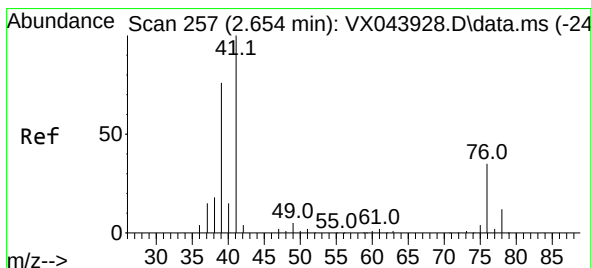
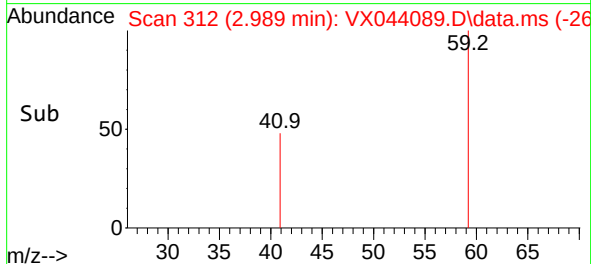
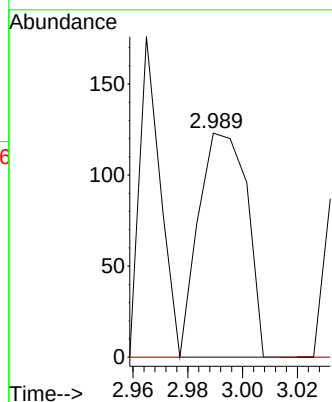
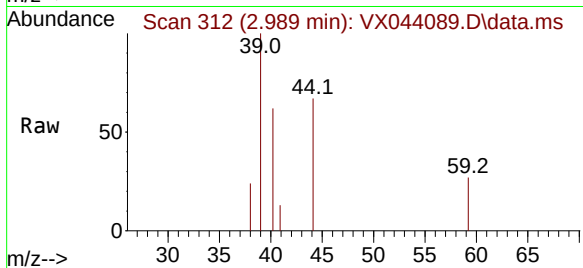
ClientSampleId :

Tgt Ion: 59 Resp: 151

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



#14

Allyl chloride

Concen: 0.204 ug/l

RT: 2.648 min Scan# 256

Delta R.T. -0.006 min

Lab File: VX044089.D

Acq: 03 Dec 2024 13:47

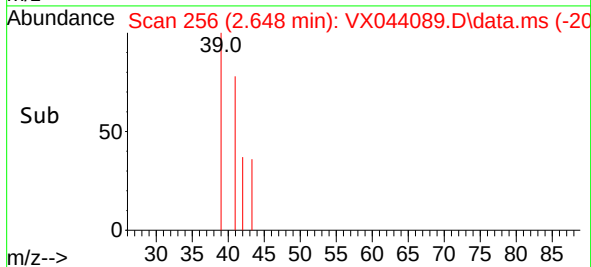
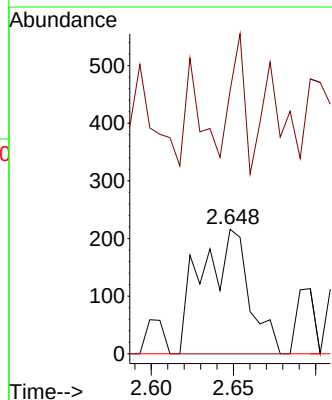
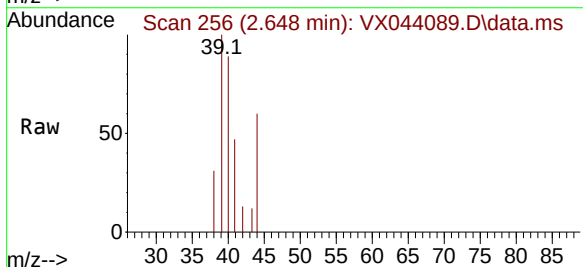
Tgt Ion: 41 Resp: 434

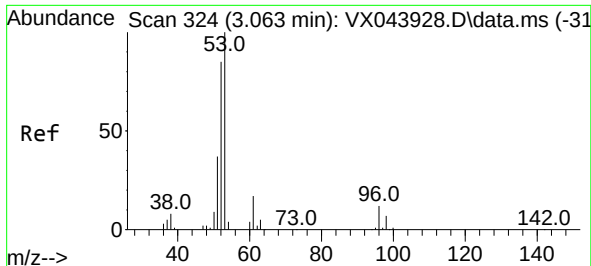
Ion Ratio Lower Upper

41 100

39 32.7 59.5 89.3#

76 0.0 27.4 41.2#





#15

Acrylonitrile

Concen: 0.214 ug/l

RT: 3.093 min Scan# 31

Delta R.T. 0.030 min

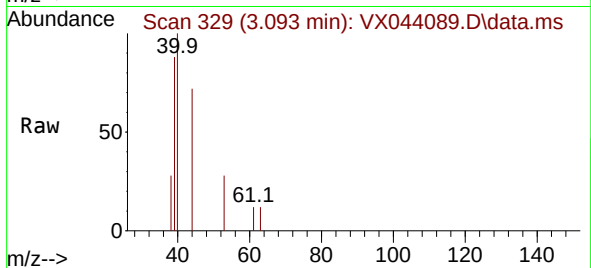
Lab File: VX044089.D

Acq: 03 Dec 2024 13:47

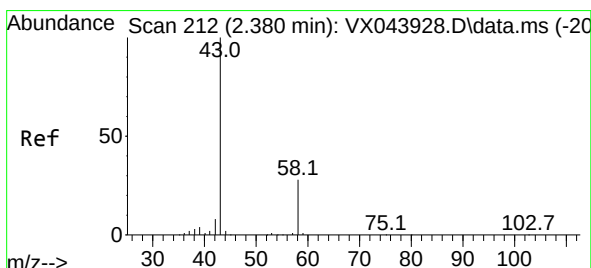
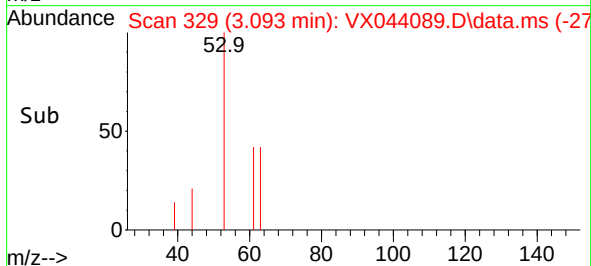
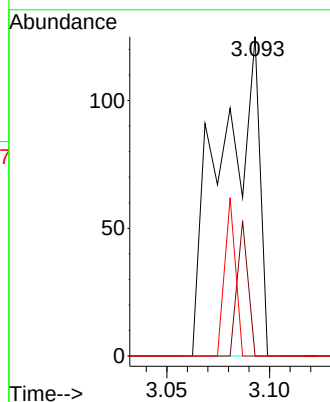
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 53	Resp: 162
Ion Ratio	Lower Upper
53	100
52	11.7 66.5 99.7#
51	14.2 30.2 45.4#



#16

Acetone

Concen: 19.504 ug/l

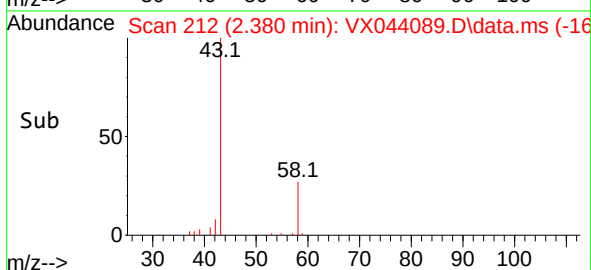
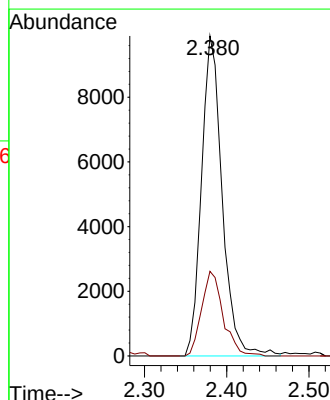
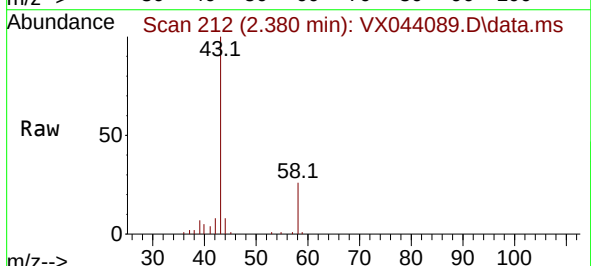
RT: 2.380 min Scan# 212

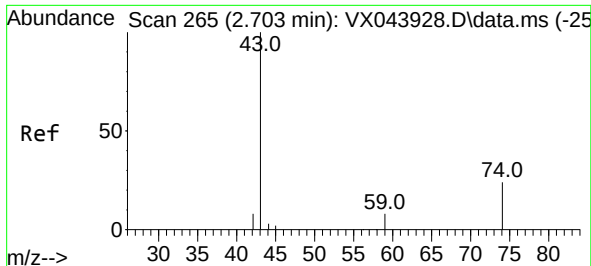
Delta R.T. -0.000 min

Lab File: VX044089.D

Acq: 03 Dec 2024 13:47

Tgt Ion: 43	Resp: 17325
Ion Ratio	Lower Upper
43	100
58	26.4 22.7 34.1

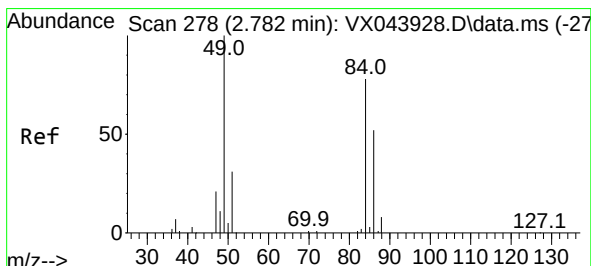
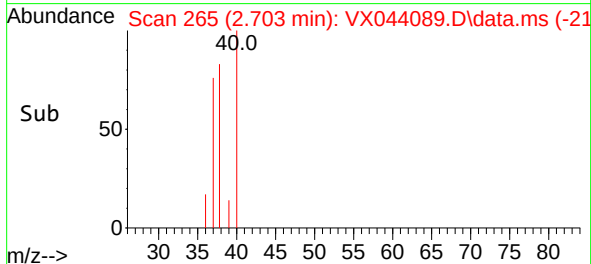
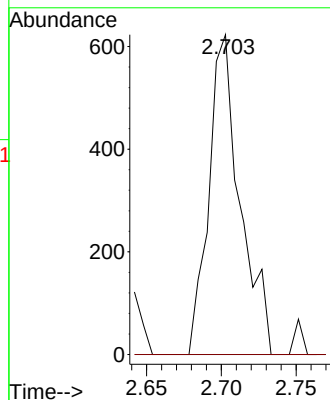
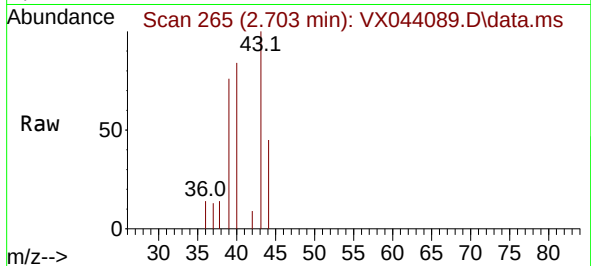




#18
Methyl Acetate
Concen: 0.437 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX044089.D
Acq: 03 Dec 2024 13:47

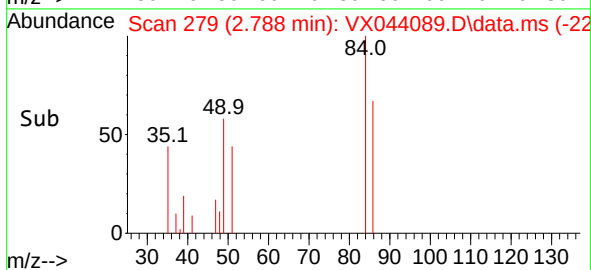
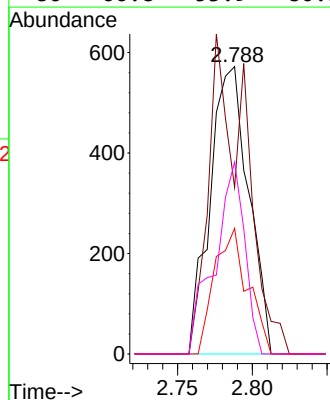
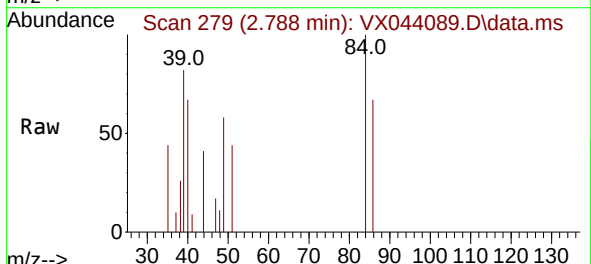
Instrument :
MSVOA_X
ClientSampleId :

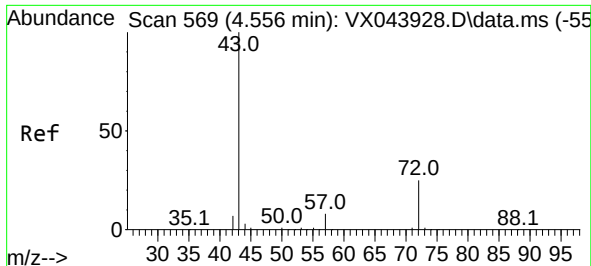
Tgt Ion: 43 Resp: 904
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#



#20
Methylene Chloride
Concen: 0.682 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX044089.D
Acq: 03 Dec 2024 13:47

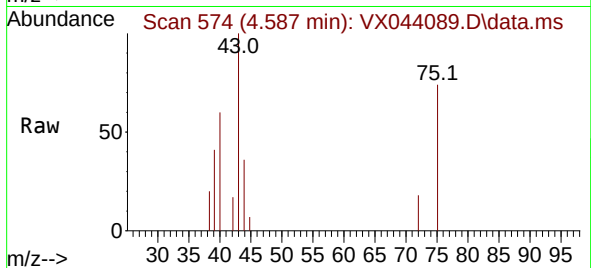
Tgt Ion: 84 Resp: 1028
Ion Ratio Lower Upper
84 100
49 58.0 102.7 154.1#
51 43.7 31.7 47.5
86 66.8 53.9 80.9



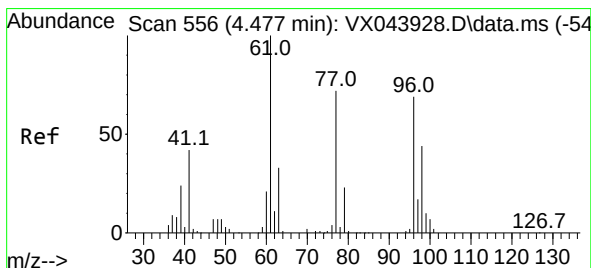
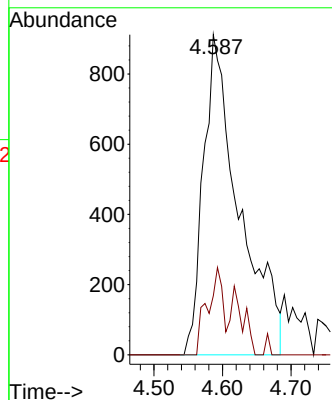
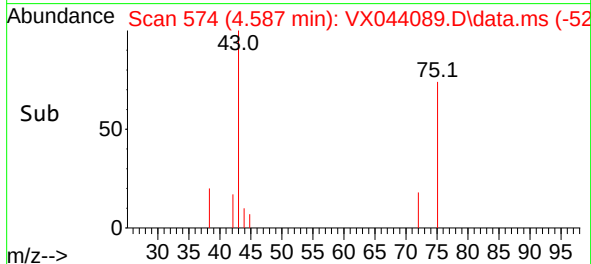


#25
2-Butanone
Concen: 2.901 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX044089.D
Acq: 03 Dec 2024 13:47

Instrument :
MSVOA_X
ClientSampleId :

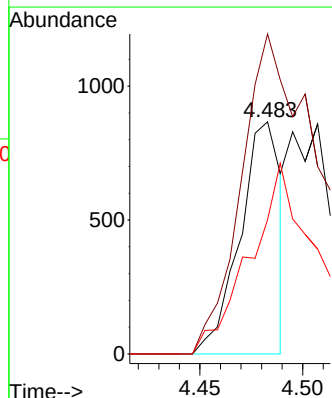
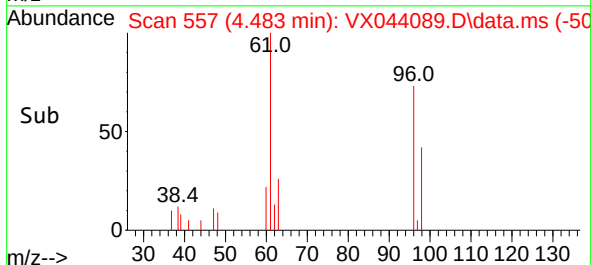
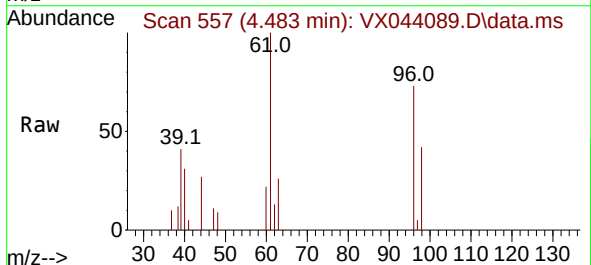


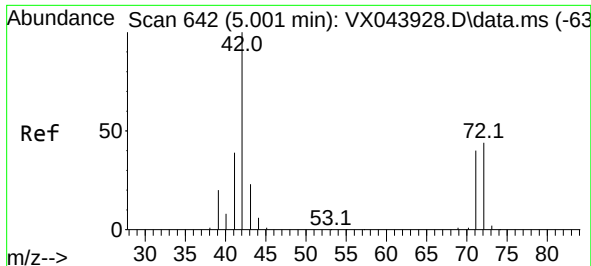
Tgt Ion: 43 Resp: 3325
Ion Ratio Lower Upper
43 100
72 18.4 20.2 30.2#



#27
cis-1,2-Dichloroethene
Concen: 0.724 ug/l
RT: 4.483 min Scan# 557
Delta R.T. 0.006 min
Lab File: VX044089.D
Acq: 03 Dec 2024 13:47

Tgt Ion: 96 Resp: 1200
Ion Ratio Lower Upper
96 100
61 265.3 0.0 297.4
98 128.3 0.0 127.8#





#29

Tetrahydrofuran

Concen: 0.453 ug/l

RT: 5.026 min Scan# 642

Delta R.T. 0.024 min

Lab File: VX044089.D

Acq: 03 Dec 2024 13:47

Instrument :

MSVOA_X

ClientSampleId :

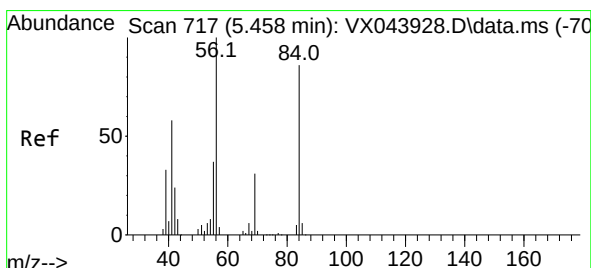
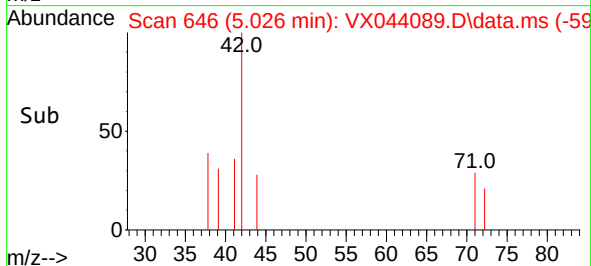
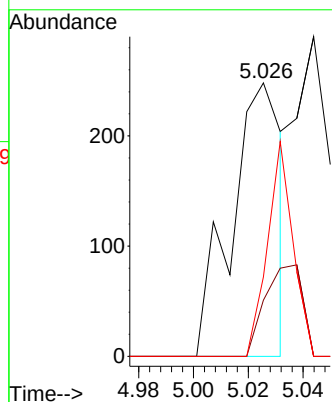
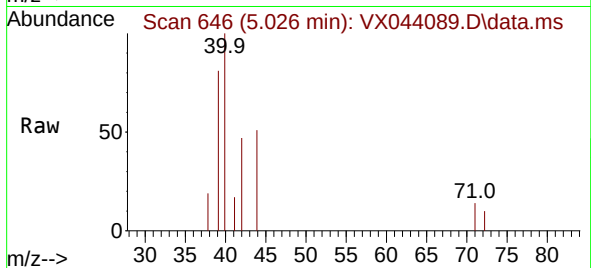
Tgt Ion: 42 Resp: 318

Ion Ratio Lower Upper

42 100

72 24.5 36.4 54.6#

71 39.6 33.4 50.0



#31

Cyclohexane

Concen: 1.611 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.091 min

Lab File: VX044089.D

Acq: 03 Dec 2024 13:47

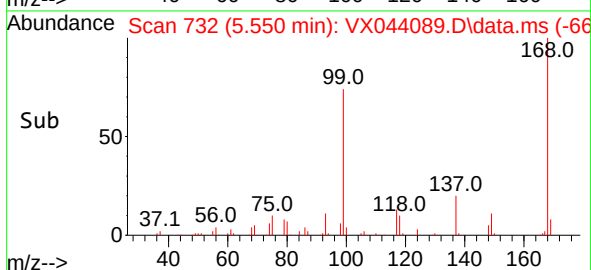
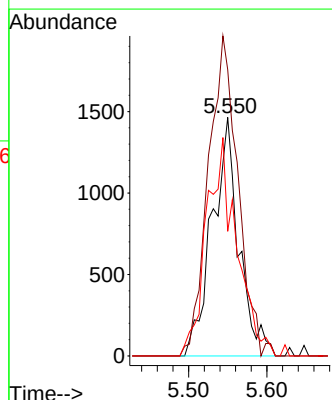
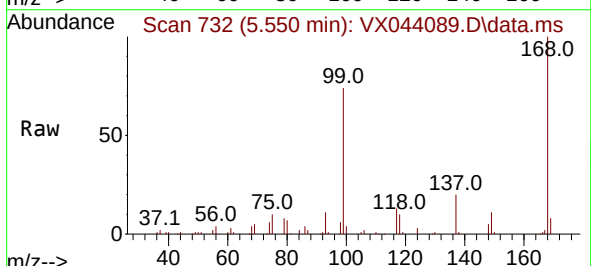
Tgt Ion: 56 Resp: 3472

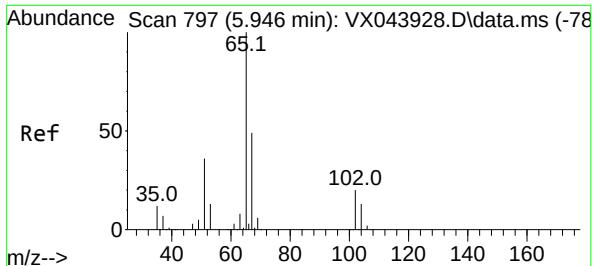
Ion Ratio Lower Upper

56 100

69 120.0 24.7 37.1#

84 52.3 68.7 103.1#





#33

1,2-Dichloroethane-d4

Concen: 53.303 ug/l

RT: 5.946 min Scan# 797

Delta R.T. -0.000 min

Lab File: VX044089.D

Acq: 03 Dec 2024 13:47

Instrument :

MSVOA_X

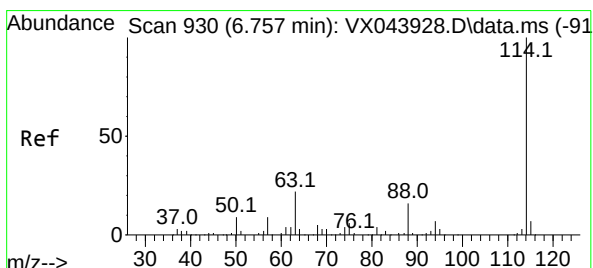
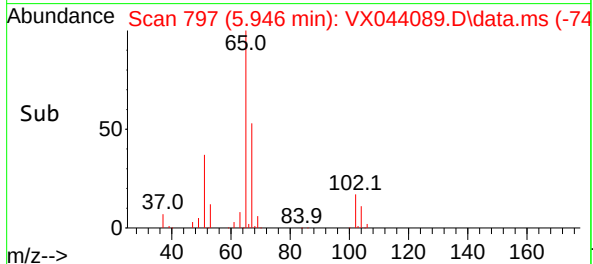
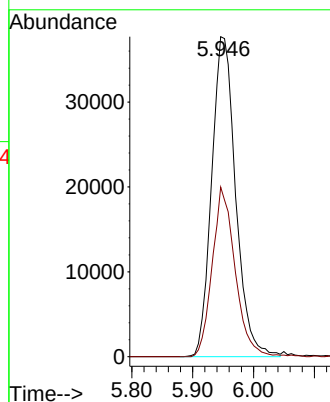
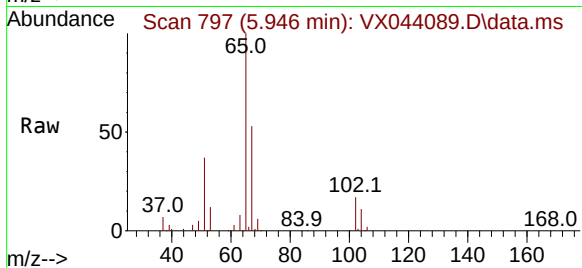
ClientSampleId :

Tgt Ion: 65 Resp: 103087

Ion Ratio Lower Upper

65 100

67 50.7 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX044089.D

Acq: 03 Dec 2024 13:47

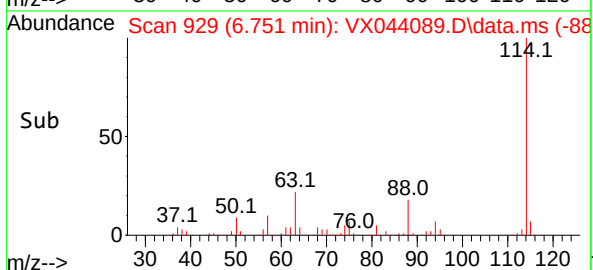
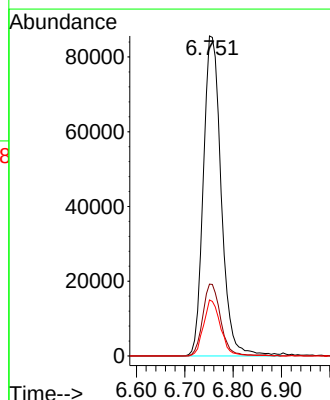
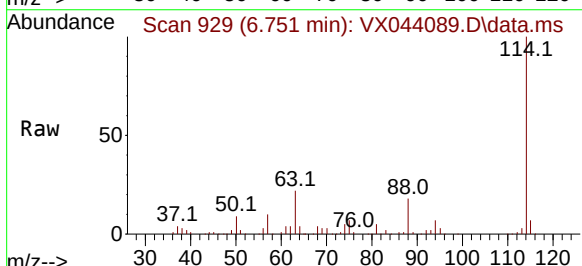
Tgt Ion: 114 Resp: 220233

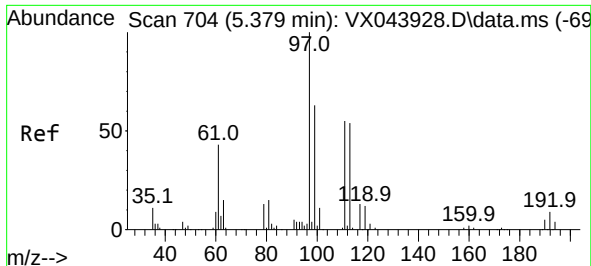
Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.0

88 17.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 38.478 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

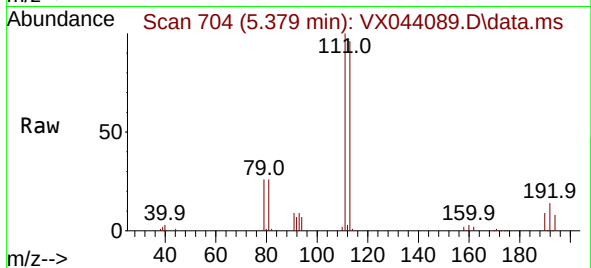
Lab File: VX044089.D

Acq: 03 Dec 2024 13:47

Instrument :

MSVOA_X

ClientSampleId :



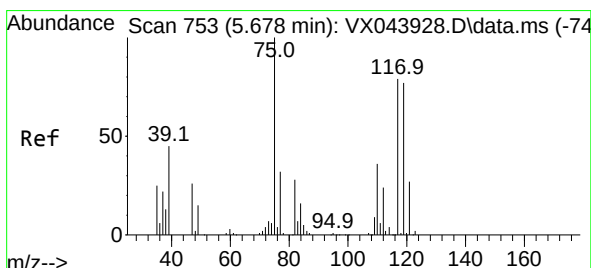
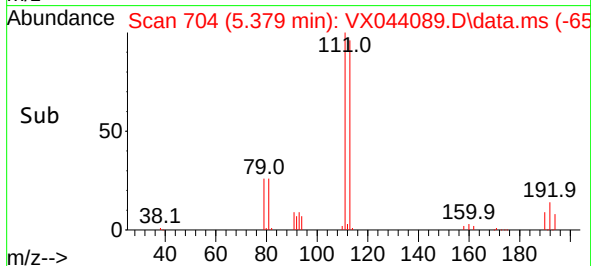
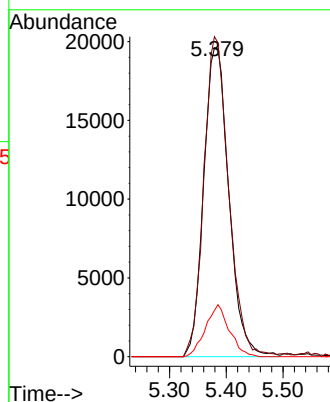
Tgt Ion:113 Resp: 60552

Ion Ratio Lower Upper

113 100

111 101.7 81.0 121.4

192 15.9 13.0 19.6



#36

1,1-Dichloropropene

Concen: 5.761 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.134 min

Lab File: VX044089.D

Acq: 03 Dec 2024 13:47

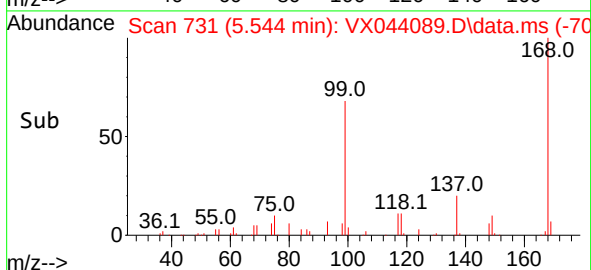
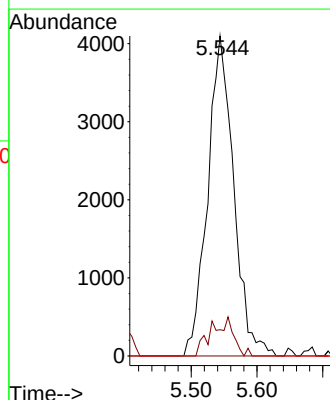
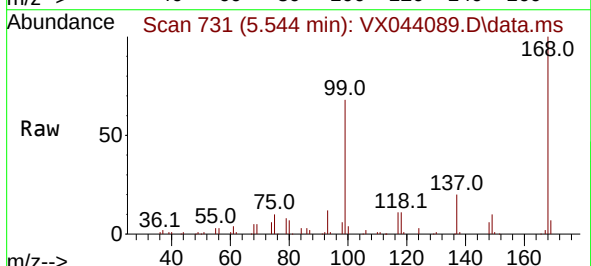
Tgt Ion: 75 Resp: 11298

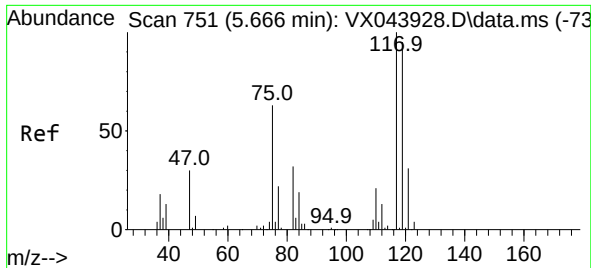
Ion Ratio Lower Upper

75 100

110 6.6 17.4 52.2#

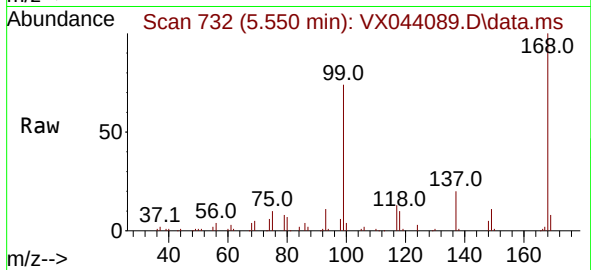
77 0.0 25.8 38.8#



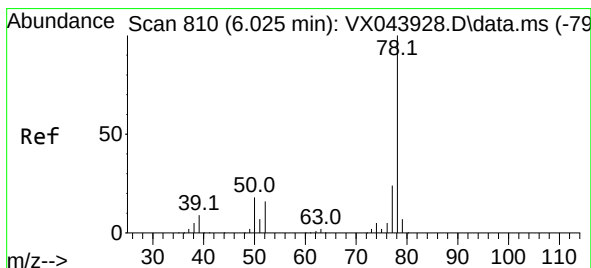
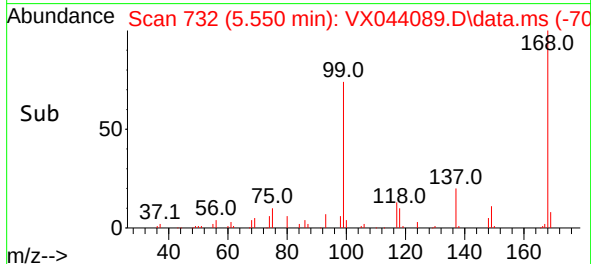
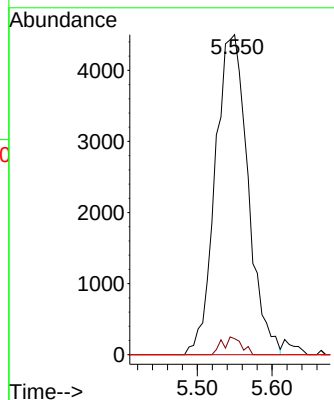


#38
Carbon Tetrachloride
Concen: 6.217 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX044089.D
Acq: 03 Dec 2024 13:47

Instrument :
MSVOA_X
ClientSampleId :

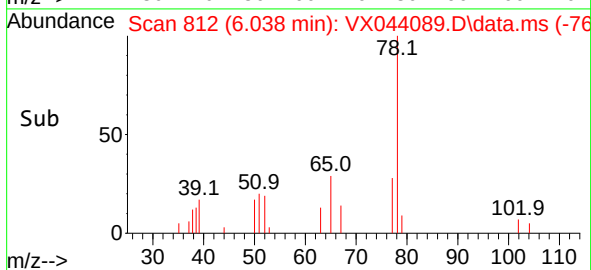
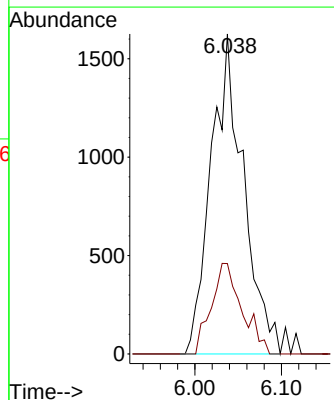
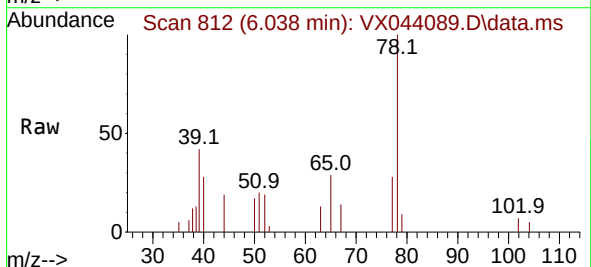


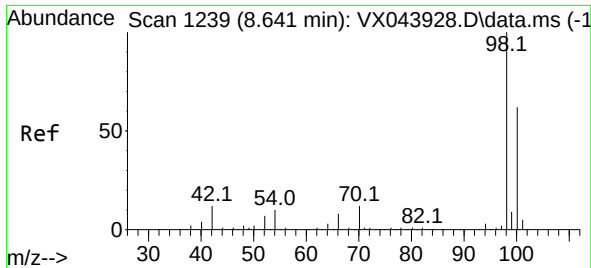
Tgt Ion:117 Resp: 13699
Ion Ratio Lower Upper
117 100
119 5.0 75.2 112.8#
121 0.0 24.5 36.7#



#40
Benzene
Concen: 0.692 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.012 min
Lab File: VX044089.D
Acq: 03 Dec 2024 13:47

Tgt Ion: 78 Resp: 4225
Ion Ratio Lower Upper
78 100
77 28.2 19.2 28.8

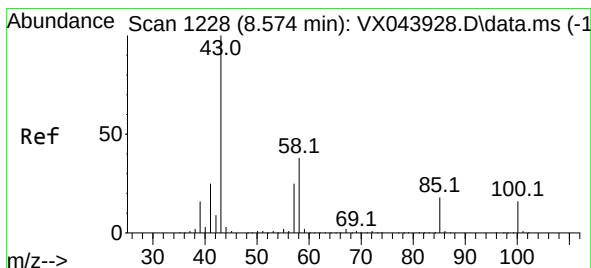
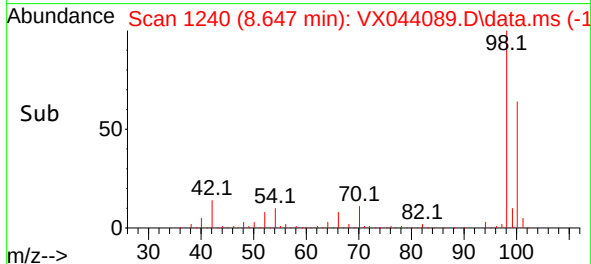
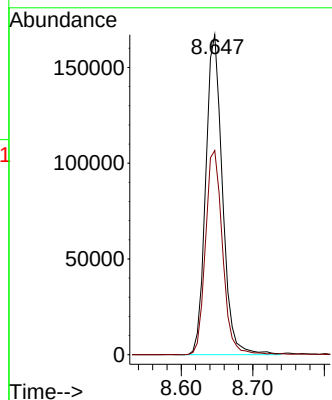
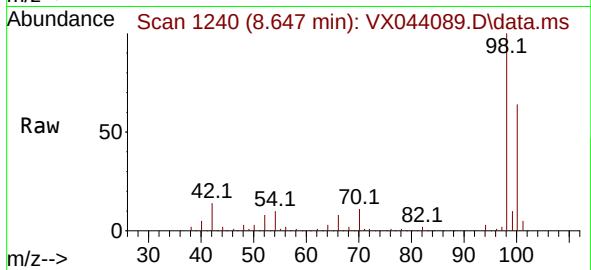




#50
Toluene-d8
Concen: 50.124 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044089.D
Acq: 03 Dec 2024 13:47

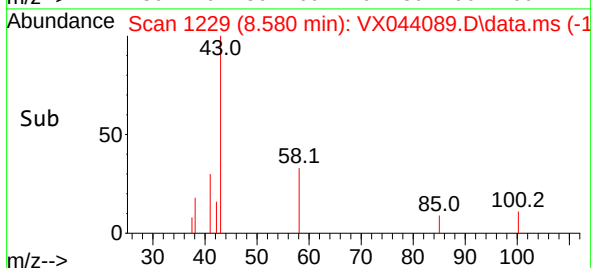
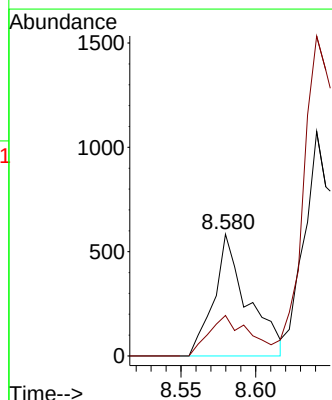
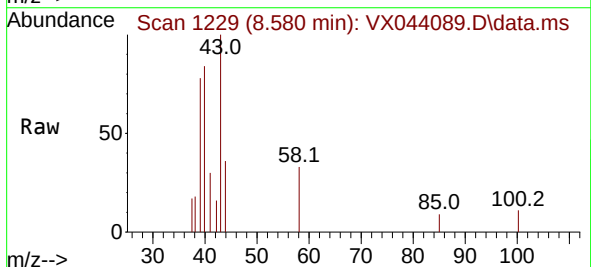
Instrument :
MSVOA_X
ClientSampleId :

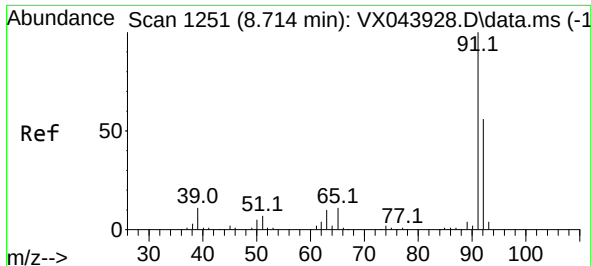
Tgt Ion: 98 Resp: 271904
Ion Ratio Lower Upper
98 100
100 65.2 52.6 79.0



#51
4-Methyl-2-Pentanone
Concen: 0.388 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX044089.D
Acq: 03 Dec 2024 13:47

Tgt Ion: 43 Resp: 918
Ion Ratio Lower Upper
43 100
58 40.0 30.0 45.0

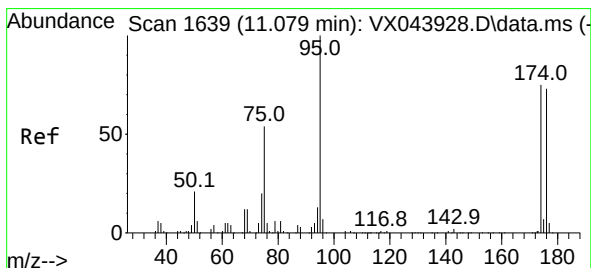
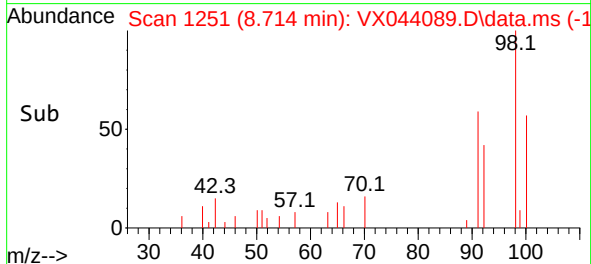
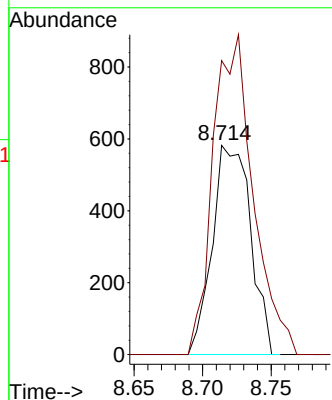
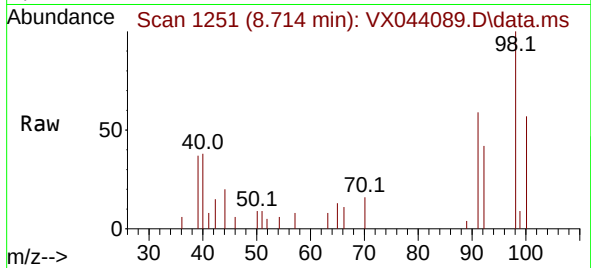




#52
Toluene
Concen: 0.309 ug/l
RT: 8.714 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VX044089.D
Acq: 03 Dec 2024 13:47

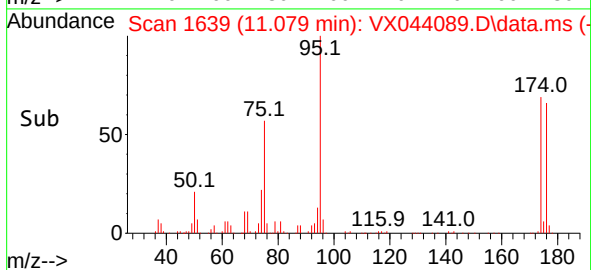
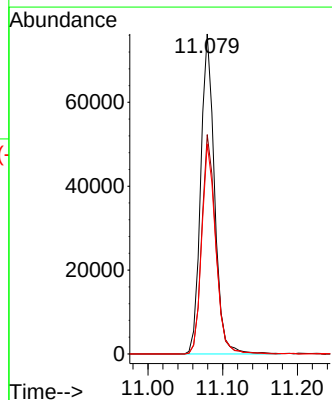
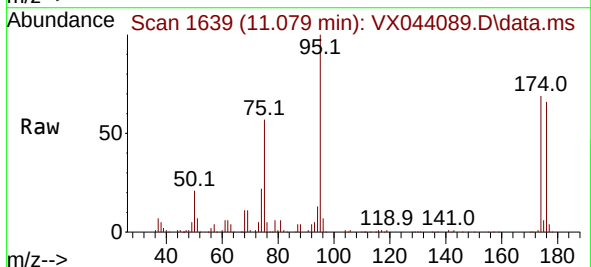
Instrument :
MSVOA_X
ClientSampleId :

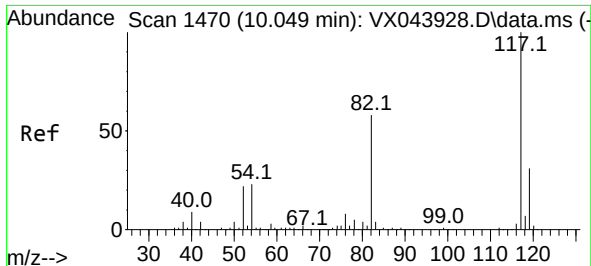
Tgt Ion: 92 Resp: 1129
Ion Ratio Lower Upper
92 100
91 160.8 139.7 209.5



#62
4-Bromofluorobenzene
Concen: 52.955 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044089.D
Acq: 03 Dec 2024 13:47

Tgt Ion: 95 Resp: 97762
Ion Ratio Lower Upper
95 100
174 69.2 0.0 150.4
176 66.7 0.0 146.0

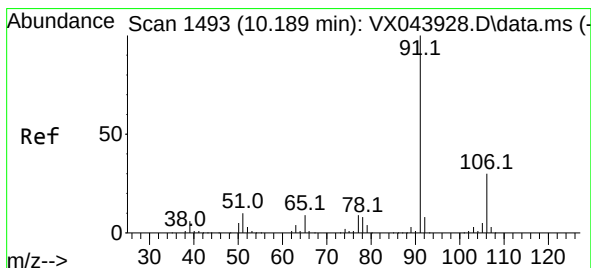
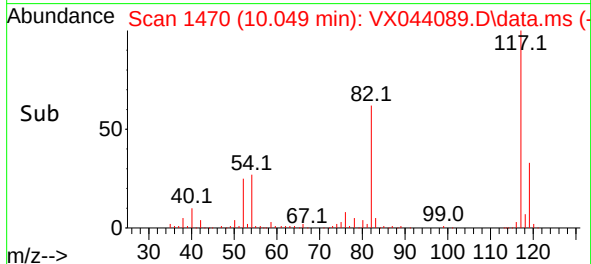
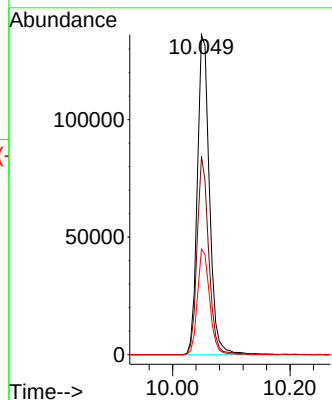
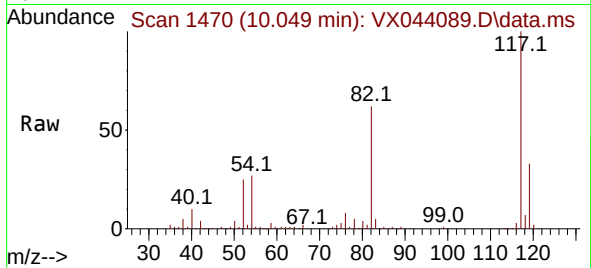




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044089.D
Acq: 03 Dec 2024 13:47

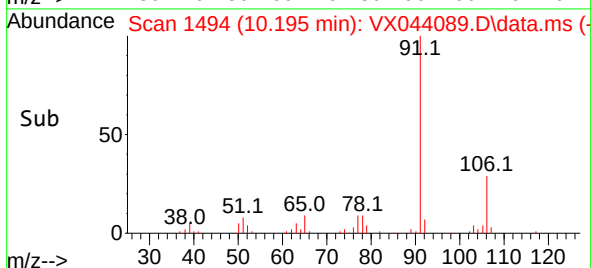
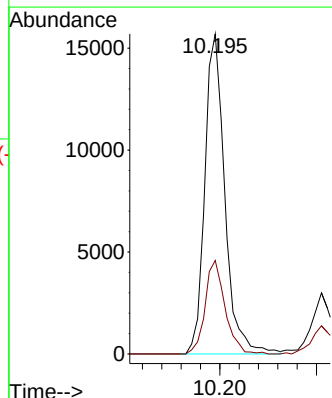
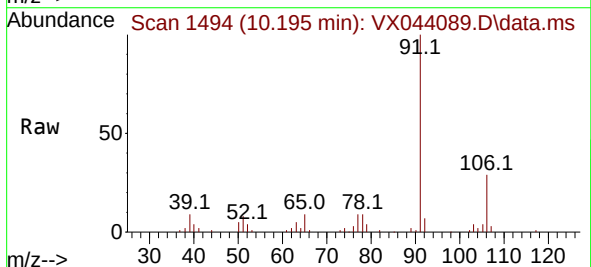
Instrument :
MSVOA_X
ClientSampleId :

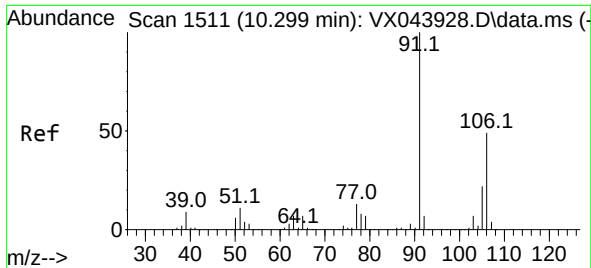
Tgt Ion:117 Resp: 195286
Ion Ratio Lower Upper
117 100
82 62.1 46.4 69.6
119 33.0 24.6 37.0



#67
Ethyl Benzene
Concen: 3.105 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX044089.D
Acq: 03 Dec 2024 13:47

Tgt Ion: 91 Resp: 22563
Ion Ratio Lower Upper
91 100
106 29.2 23.6 35.4

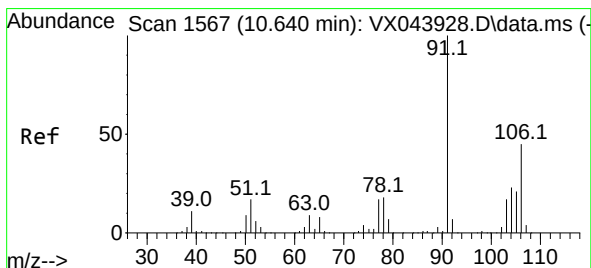
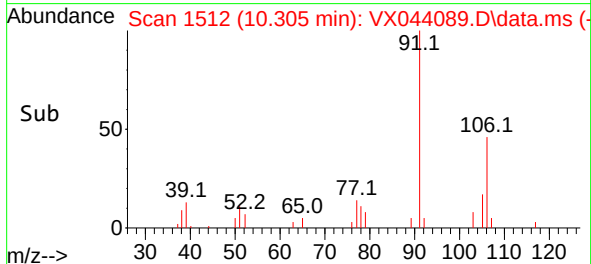
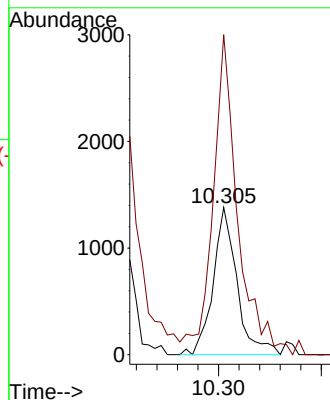
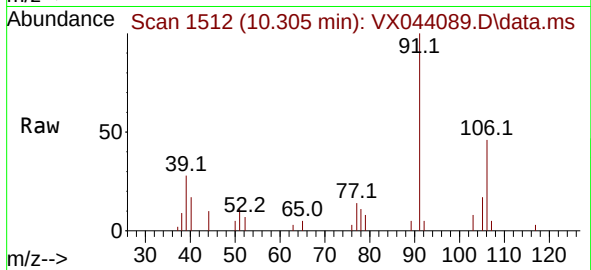




#68
m/p-Xylenes
Concen: 0.819 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX044089.D
Acq: 03 Dec 2024 13:47

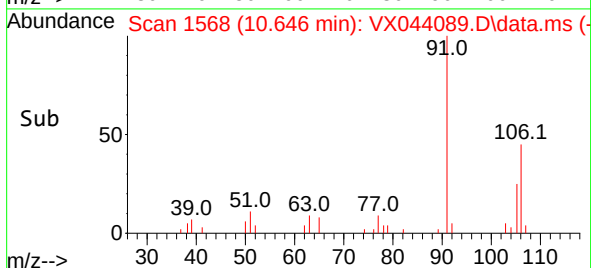
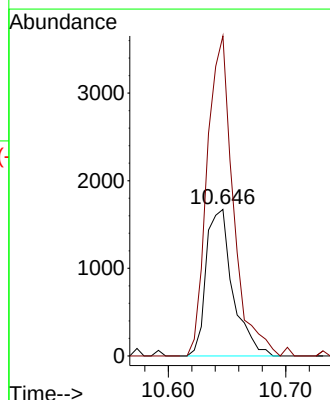
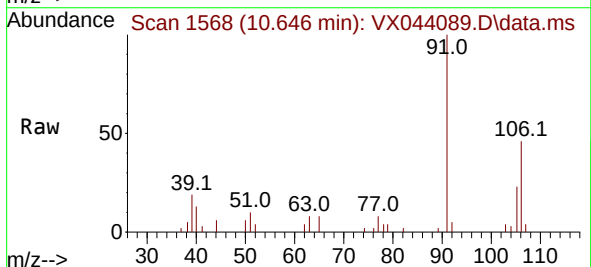
Instrument :
MSVOA_X
ClientSampleId :

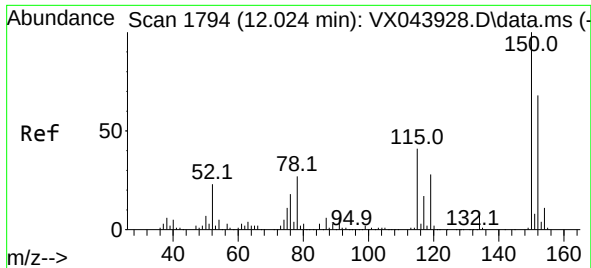
Tgt Ion:106 Resp: 2219
Ion Ratio Lower Upper
106 100
91 224.2 168.1 252.1



#69
o-Xylene
Concen: 0.994 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX044089.D
Acq: 03 Dec 2024 13:47

Tgt Ion:106 Resp: 2630
Ion Ratio Lower Upper
106 100
91 213.8 110.2 330.6

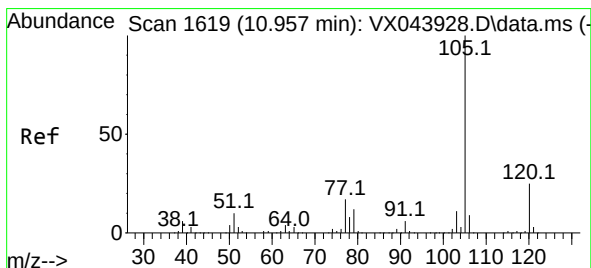
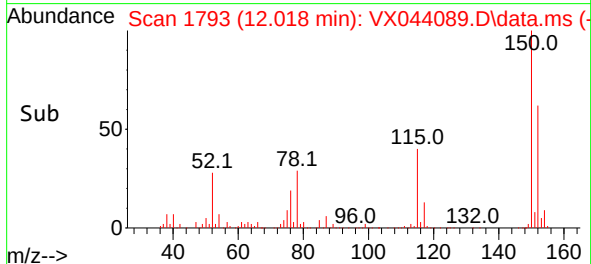
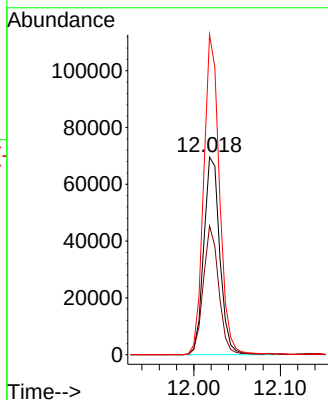
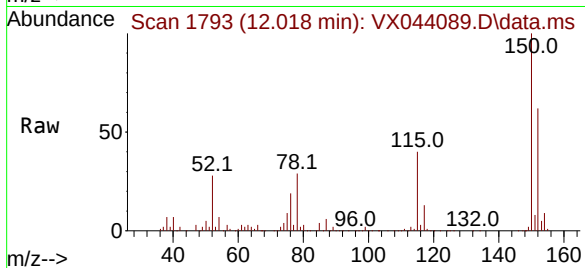




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044089.D
Acq: 03 Dec 2024 13:47

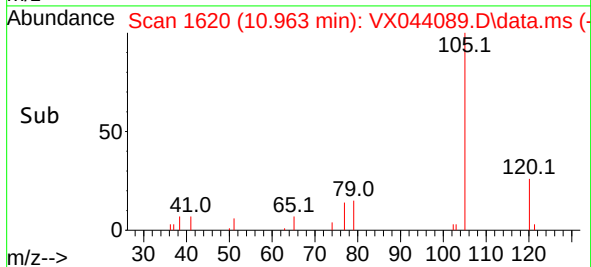
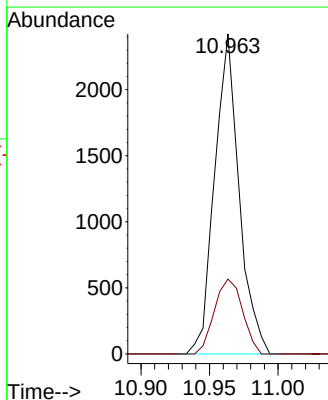
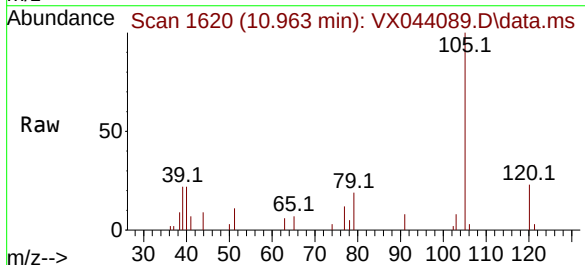
Instrument :
MSVOA_X
ClientSampleId :

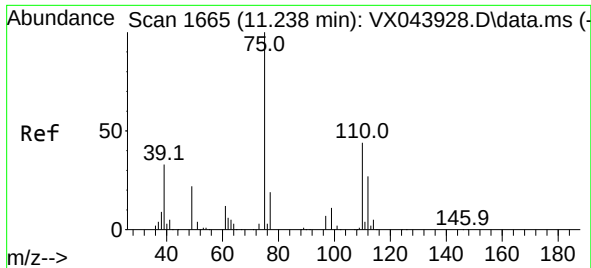
Tgt Ion:152 Resp: 89527
Ion Ratio Lower Upper
152 100
115 62.8 45.4 136.2
150 158.9 0.0 353.0



#73
Isopropylbenzene
Concen: 0.437 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX044089.D
Acq: 03 Dec 2024 13:47

Tgt Ion:105 Resp: 3006
Ion Ratio Lower Upper
105 100
120 26.7 13.0 38.9

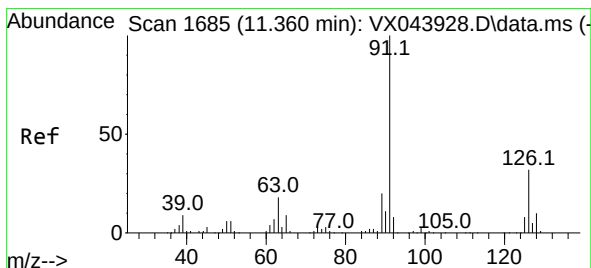
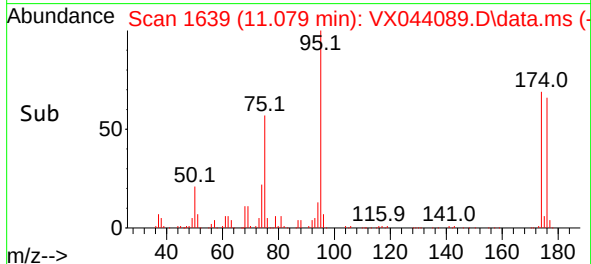
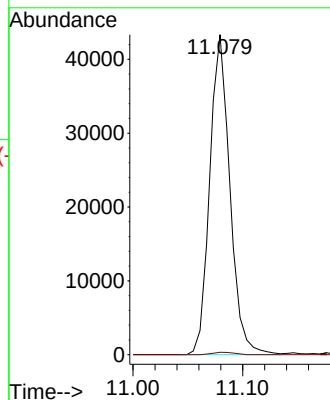
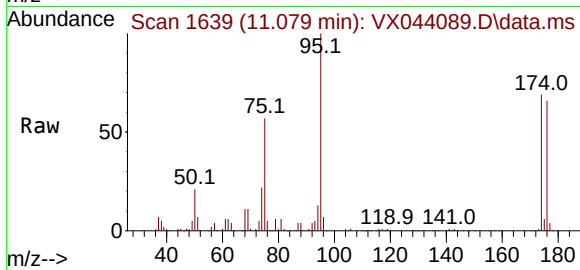




#76
1,2,3-Trichloropropane
Concen: 28.169 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044089.D
Acq: 03 Dec 2024 13:47

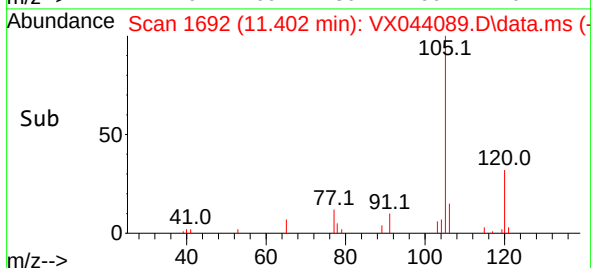
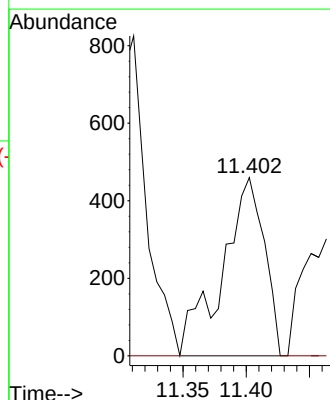
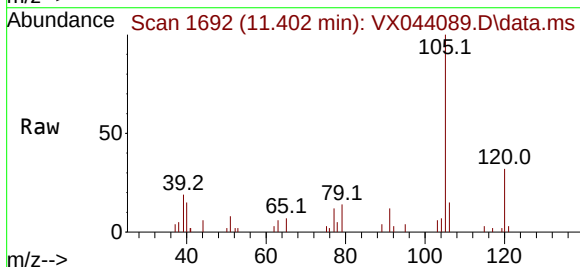
Instrument :
MSVOA_X
ClientSampleId :

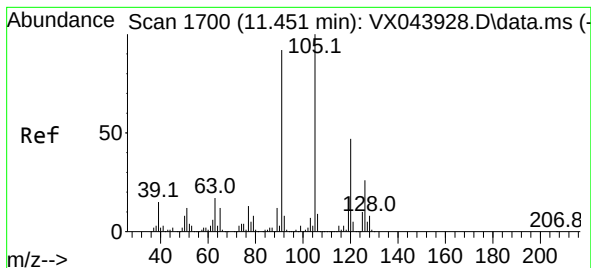
Tgt Ion: 75 Resp: 55304
Ion Ratio Lower Upper
75 100
77 0.8 21.8 65.3#



#79
2-Chlorotoluene
Concen: 0.219 ug/l
RT: 11.402 min Scan# 1692
Delta R.T. 0.043 min
Lab File: VX044089.D
Acq: 03 Dec 2024 13:47

Tgt Ion: 91 Resp: 1064
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.8#





#80

1,3,5-Trimethylbenzene

Concen: 0.664 ug/l

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX044089.D

Acq: 03 Dec 2024 13:47

Instrument :

MSVOA_X

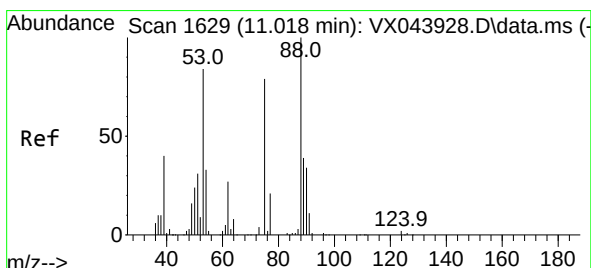
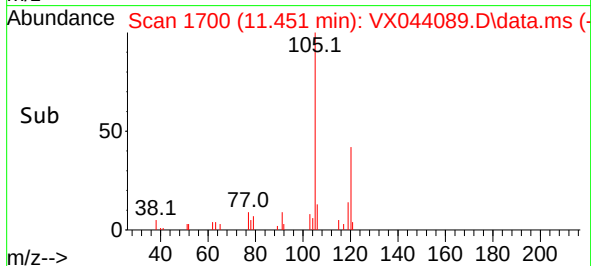
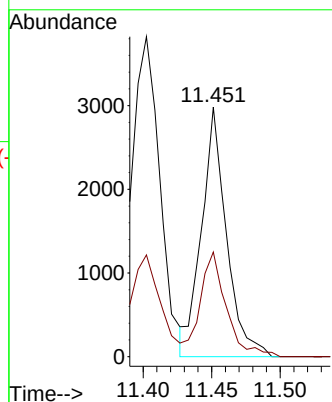
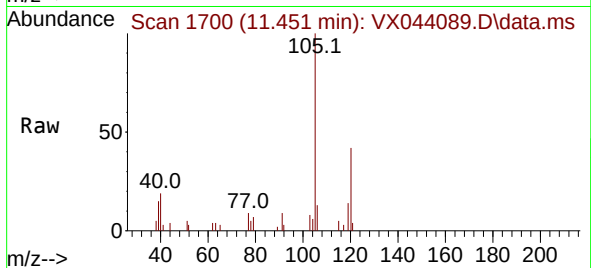
ClientSampleId :

Tgt Ion:105 Resp: 3761

Ion Ratio Lower Upper

105 100

120 44.3 23.3 69.8



#81

trans-1,4-Dichloro-2-butene

Concen: 76.866 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX044089.D

Acq: 03 Dec 2024 13:47

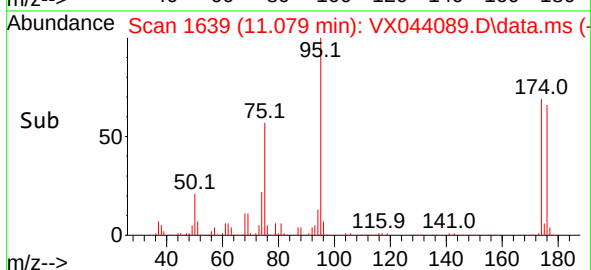
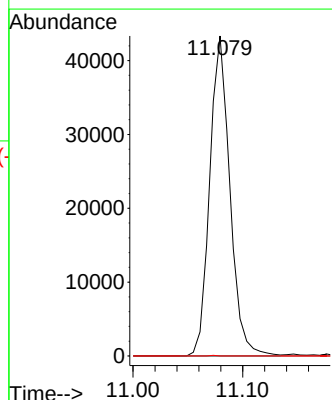
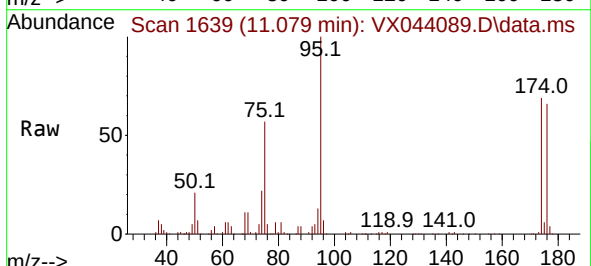
Tgt Ion: 75 Resp: 55304

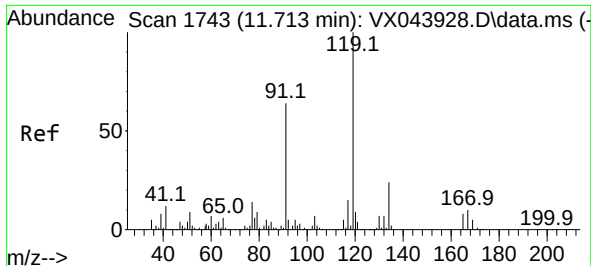
Ion Ratio Lower Upper

75 100

53 0.0 86.7 130.1#

89 0.1 38.2 57.2#

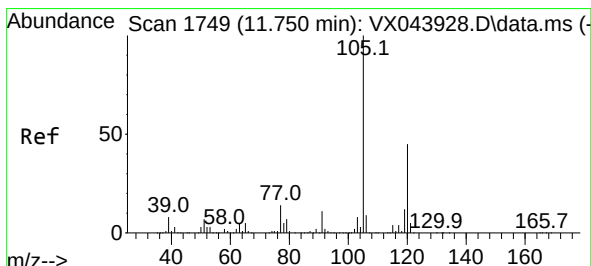
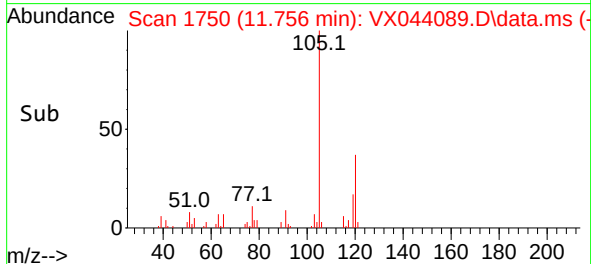
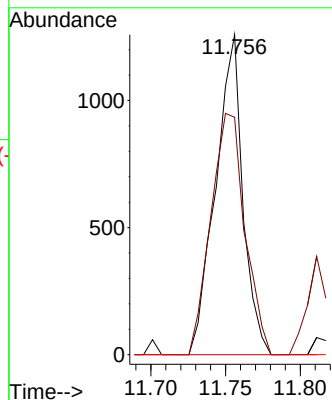
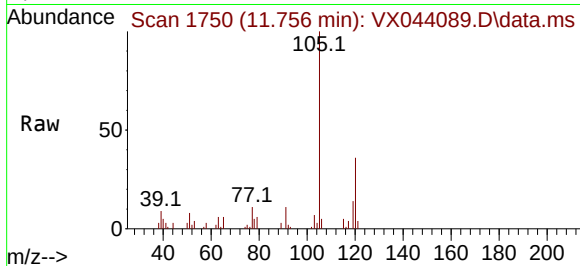




#83
tert-Butylbenzene
Concen: 0.284 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.043 min
Lab File: VX044089.D
Acq: 03 Dec 2024 13:47

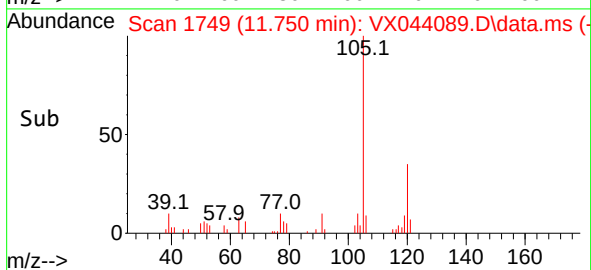
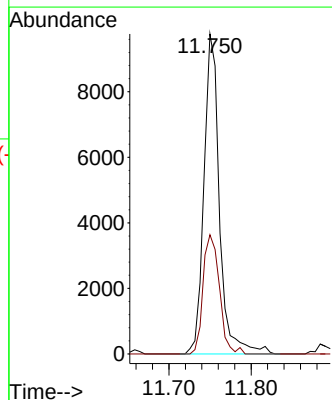
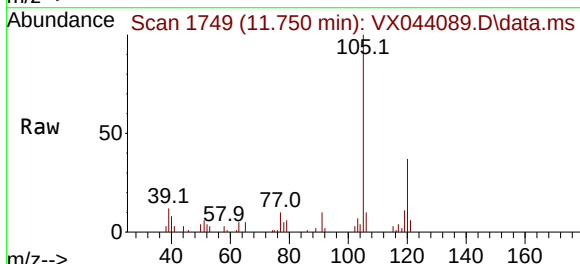
Instrument :
MSVOA_X
ClientSampleId :

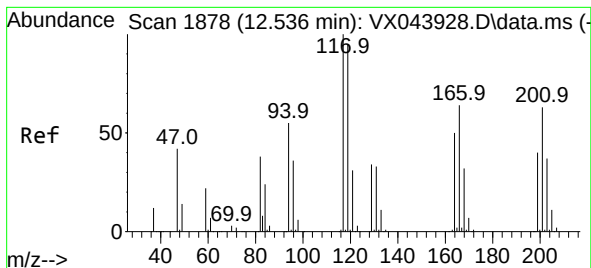
Tgt Ion:119 Resp: 1592
Ion Ratio Lower Upper
119 100
91 94.5 31.0 93.0#
134 0.0 11.6 34.8#



#84
1,2,4-Trimethylbenzene
Concen: 2.270 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044089.D
Acq: 03 Dec 2024 13:47

Tgt Ion:105 Resp: 12797
Ion Ratio Lower Upper
105 100
120 39.2 21.9 65.7





#90

Hexachloroethane

Concen: 6.542 ug/l

RT: 12.695 min Scan# 1904

Delta R.T. 0.158 min

Lab File: VX044089.D

Acq: 03 Dec 2024 13:47

Instrument :

MSVOA_X

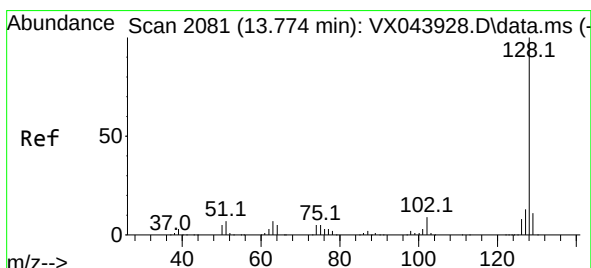
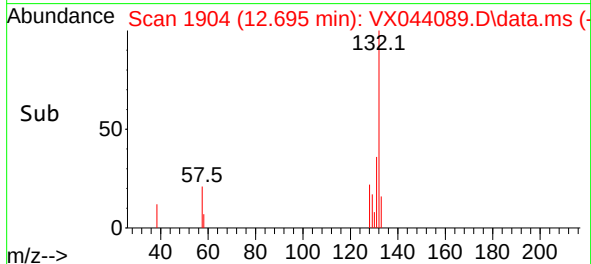
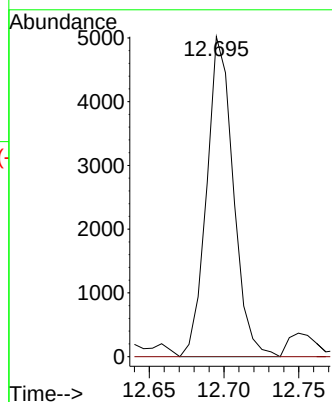
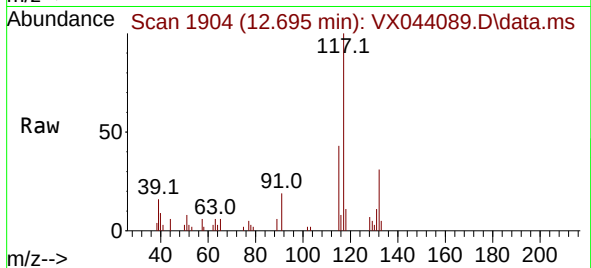
ClientSampleId :

Tgt Ion:117 Resp: 6213

Ion Ratio Lower Upper

117 100

201 0.0 32.4 97.0#



#95

Naphthalene

Concen: 170.566 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX044089.D

Acq: 03 Dec 2024 13:47

Tgt Ion:128 Resp: 1092260

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

129 10.9 8.6 12.8

