

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120224\
 Data File : VX044074.D
 Acq On : 02 Dec 2024 18:18
 Operator : JC/MD
 Sample : P5001-11RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 03 00:26:56 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)

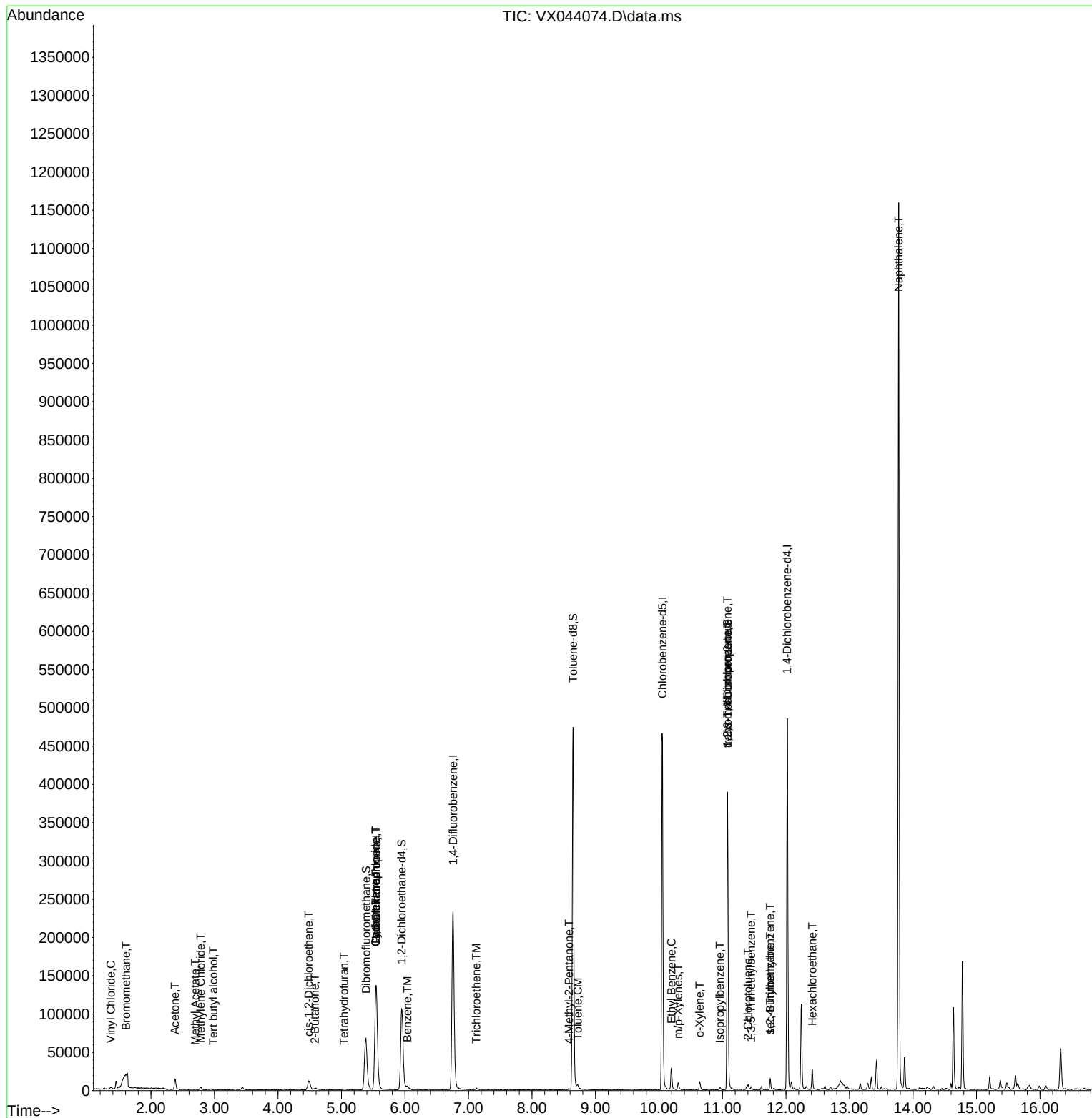
Internal Standards						
1) Pentafluorobenzene	5.550	168	118857	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	232004	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	201444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	88047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	106693	52.336	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.680%	
35) Dibromofluoromethane	5.385	113	57154	34.476	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 68.960%#	
50) Toluene-d8	8.647	98	282050	49.356	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.720%	
62) 4-Bromofluorobenzene	11.079	95	99442	51.132	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.260%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.368	62	772	0.458	ug/l #	78
5) Bromomethane	1.605	94	299	0.288	ug/l #	46
11) Tert butyl alcohol	2.983	59	238	0.727	ug/l #	73
16) Acetone	2.380	43	15870	16.949	ug/l	96
18) Methyl Acetate	2.697	43	525	0.241	ug/l #	67
20) Methylene Chloride	2.782	84	1555	0.979	ug/l #	78
25) 2-Butanone	4.581	43	2588	2.142	ug/l #	71
27) cis-1,2-Dichloroethene	4.483	96	7451	4.263	ug/l	87
29) Tetrahydrofuran	5.038	42	237	0.320	ug/l #	45
31) Cyclohexane	5.538	56	3649	1.606	ug/l #	43
36) 1,1-Dichloropropene	5.544	75	11176	5.410	ug/l #	49
38) Carbon Tetrachloride	5.538	117	14122	6.084	ug/l #	16
40) Benzene	6.038	78	4170	0.648	ug/l	97
44) Trichloroethene	7.123	130	744	0.408	ug/l	86
51) 4-Methyl-2-Pentanone	8.580	43	929	0.373	ug/l	94
52) Toluene	8.720	92	1617	0.420	ug/l	98
67) Ethyl Benzene	10.195	91	16960	2.262	ug/l	99
68) m/p-Xylenes	10.299	106	2295	0.821	ug/l	95
69) o-Xylene	10.640	106	2266	0.830	ug/l	88
73) Isopropylbenzene	10.957	105	1506	0.223	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	57473	29.766	ug/l #	34
79) 2-Chlorotoluene	11.402	91	975	0.204	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.451	105	1979	0.355	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.079	75	57473	81.223	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.750	105	5778	1.042	ug/l	97
85) sec-Butylbenzene	11.750	105	5778	0.854	ug/l #	57
90) Hexachloroethane	12.414	117	1004	1.075	ug/l #	18
95) Naphthalene	13.774	128	657879	104.460	ug/l	99

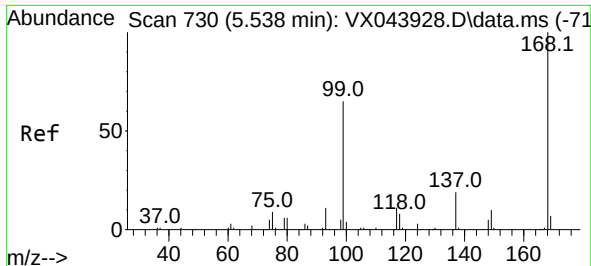
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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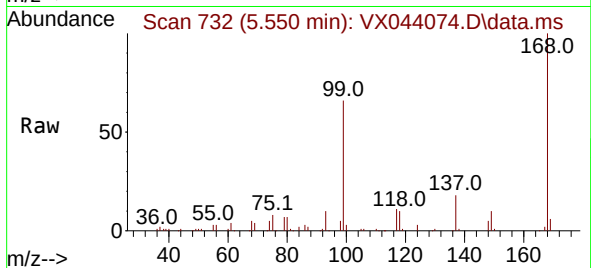


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

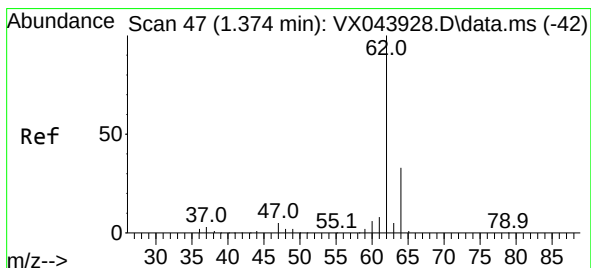
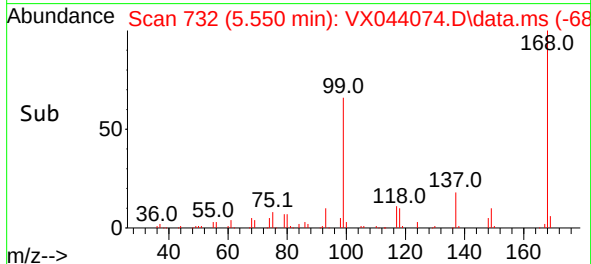
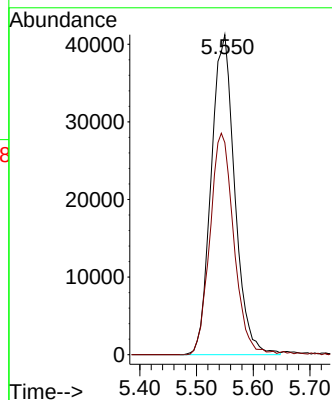
Instrument :

MSVOA_X

ClientSampleId :

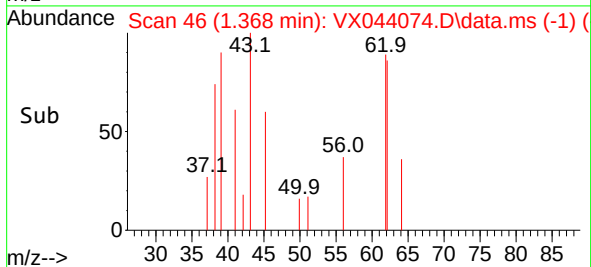
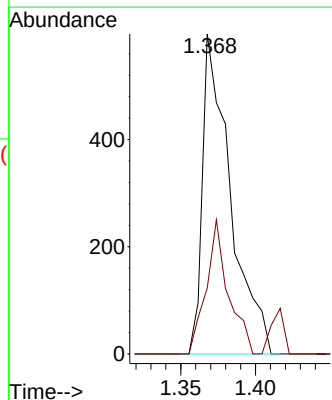
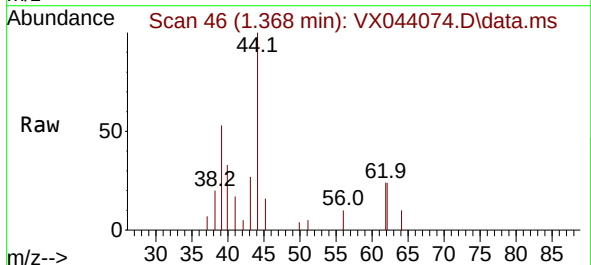


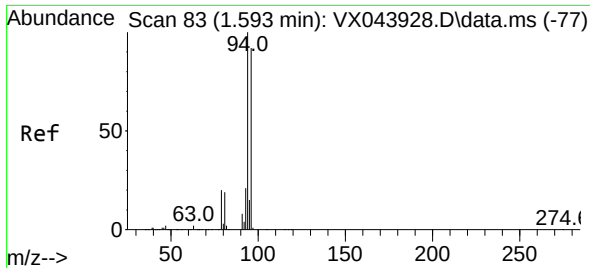
Tgt Ion:168 Resp: 118857
Ion Ratio Lower Upper
168 100
99 66.2 51.8 77.8



#4
Vinyl Chloride
Concen: 0.458 ug/l
RT: 1.368 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

Tgt Ion: 62 Resp: 772
Ion Ratio Lower Upper
62 100
64 20.6 26.2 39.4#

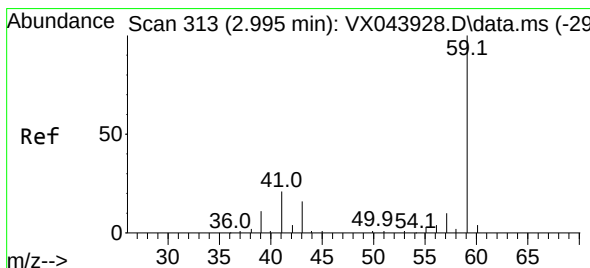
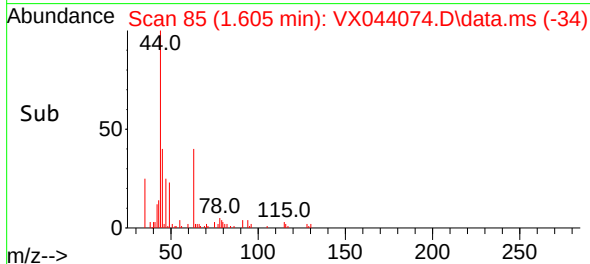
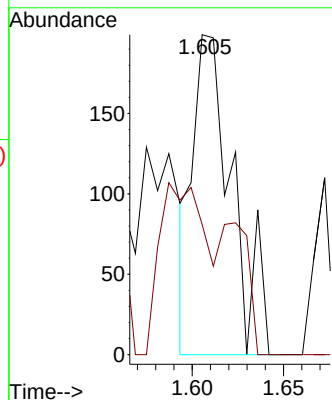
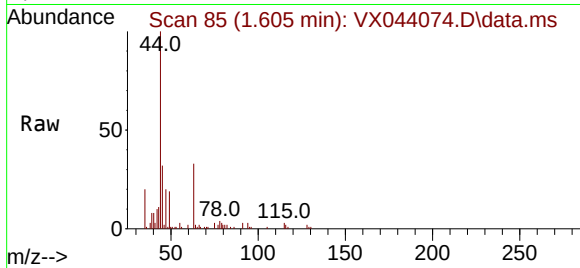




#5
Bromomethane
Concen: 0.288 ug/l
RT: 1.605 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

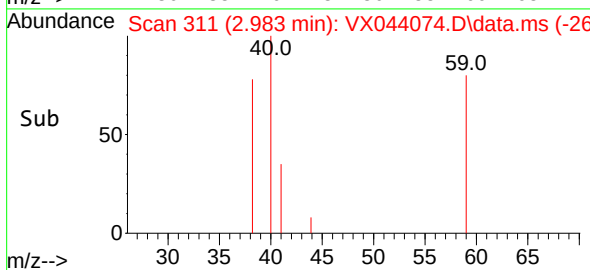
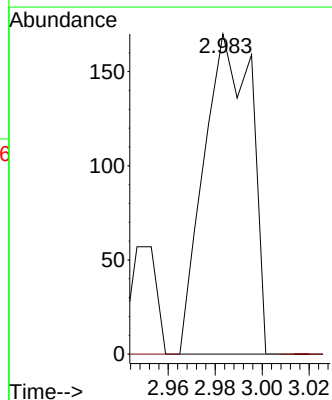
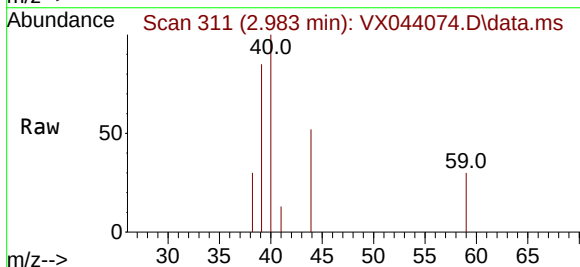
Instrument :
MSVOA_X
ClientSampleId :

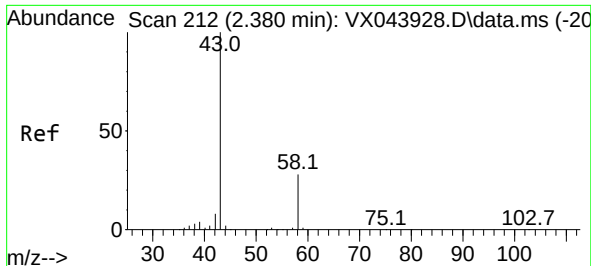
Tgt Ion: 94 Resp: 299
Ion Ratio Lower Upper
94 100
96 40.7 73.9 110.9#



#11
Tert butyl alcohol
Concen: 0.727 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.012 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

Tgt Ion: 59 Resp: 238
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

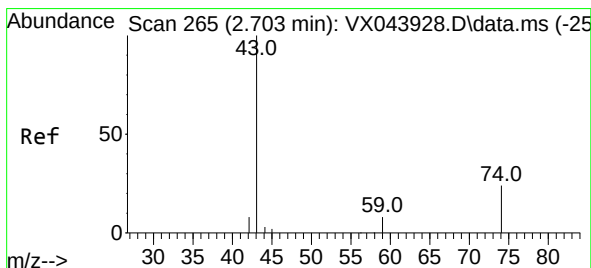
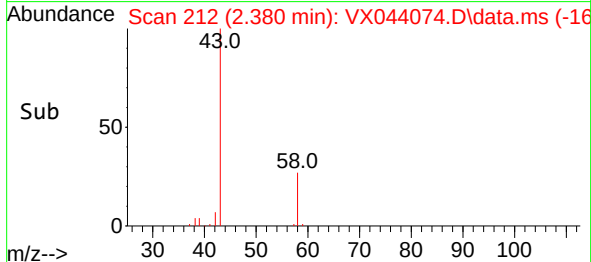
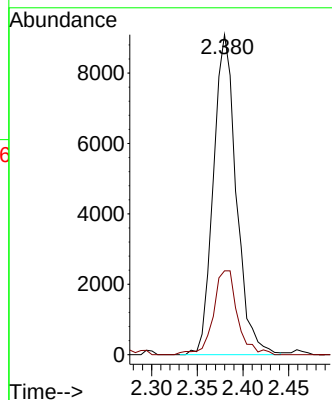
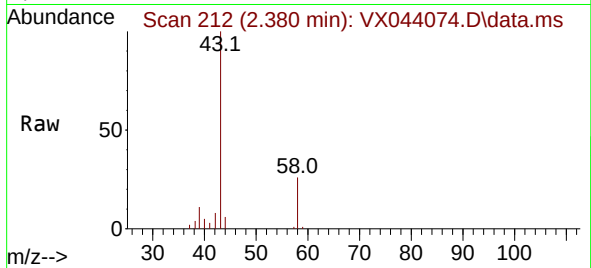




#16
Acetone
Concen: 16.949 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

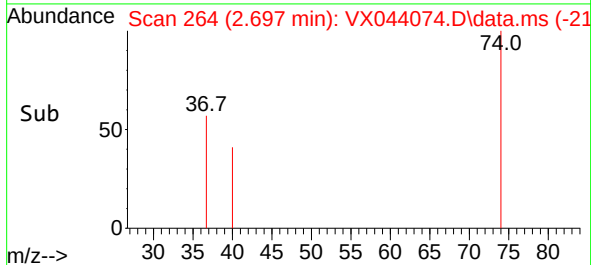
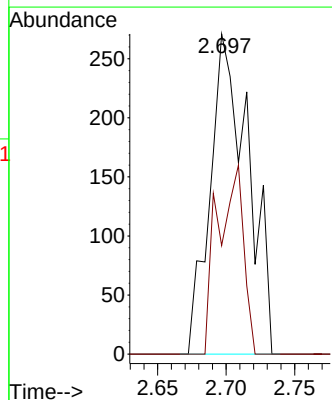
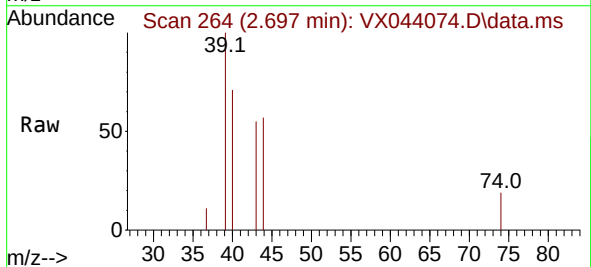
Instrument :
MSVOA_X
ClientSampleId :

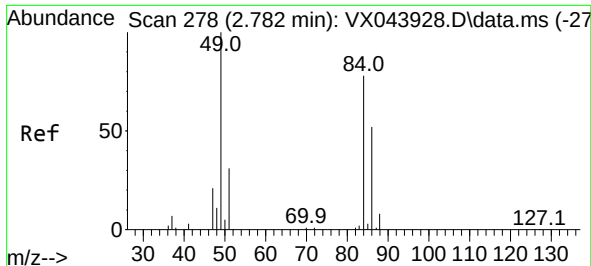
Tgt Ion: 43 Resp: 15870
Ion Ratio Lower Upper
43 100
58 26.2 22.7 34.1



#18
Methyl Acetate
Concen: 0.241 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

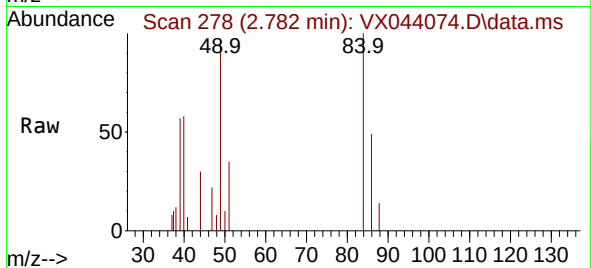
Tgt Ion: 43 Resp: 525
Ion Ratio Lower Upper
43 100
74 40.0 18.9 28.3#



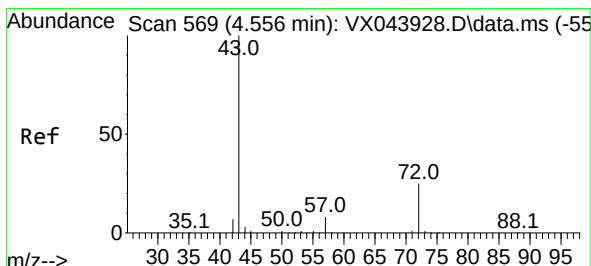
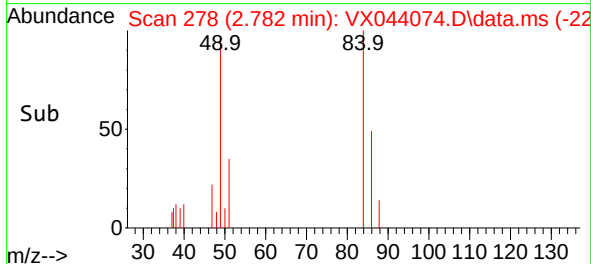
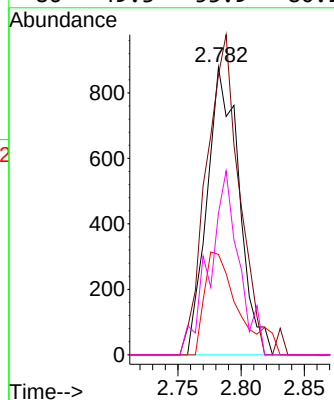


#20
Methylene Chloride
Concen: 0.979 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

Instrument :
MSVOA_X
ClientSampleId :

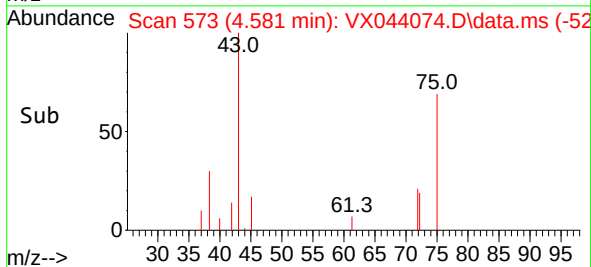
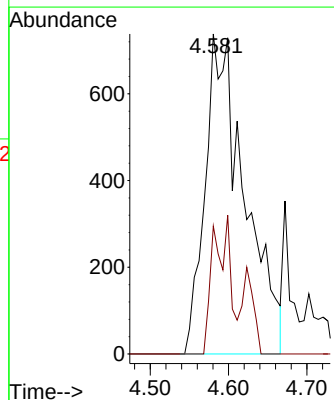
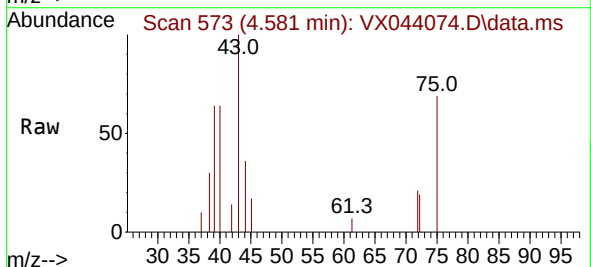


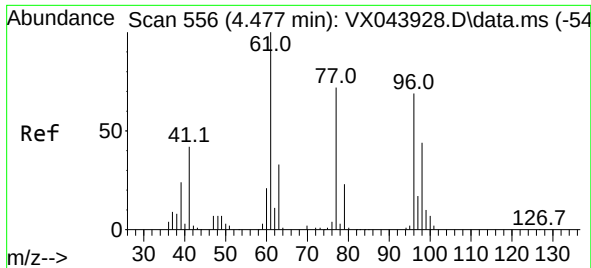
Tgt Ion: 84 Resp: 1555
Ion Ratio Lower Upper
84 100
49 97.3 102.7 154.1#
51 34.9 31.7 47.5
86 49.3 53.9 80.9#



#25
2-Butanone
Concen: 2.142 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

Tgt Ion: 43 Resp: 2588
Ion Ratio Lower Upper
43 100
72 40.0 20.2 30.2#

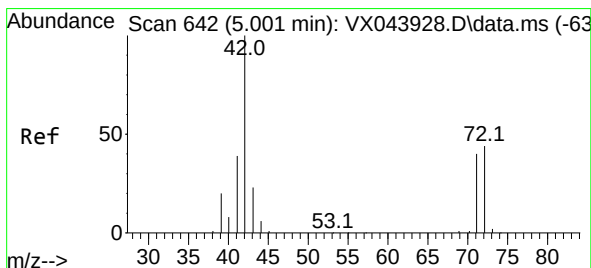
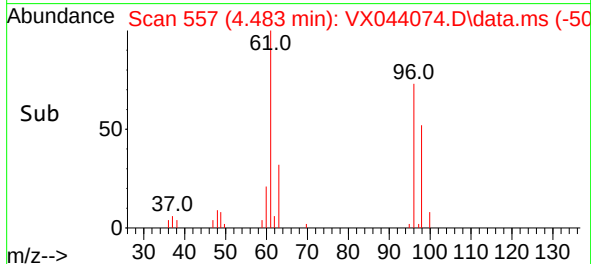
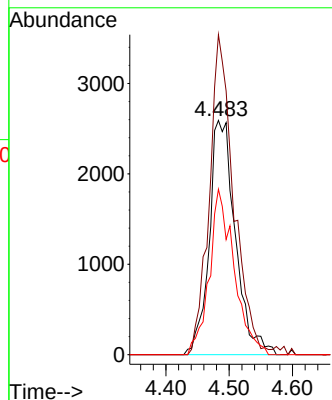
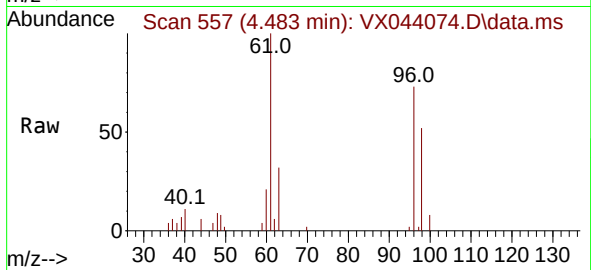




#27
 cis-1,2-Dichloroethene
 Concen: 4.263 ug/l
 RT: 4.483 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VX044074.D
 Acq: 02 Dec 2024 18:18

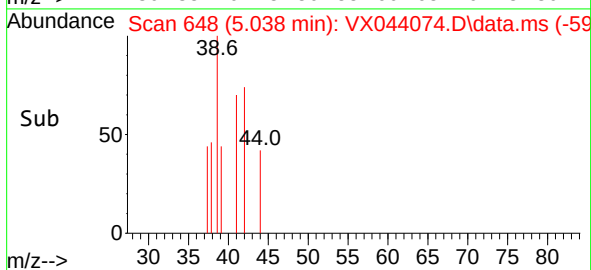
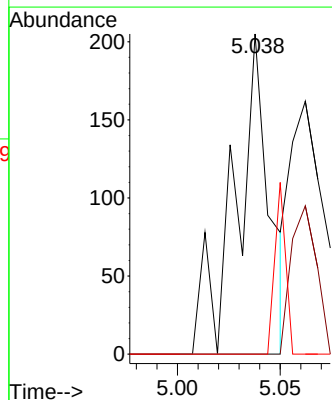
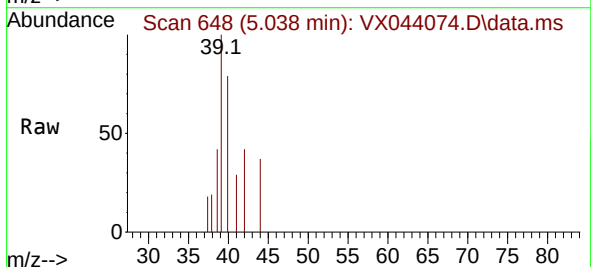
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 ClientSampleId :

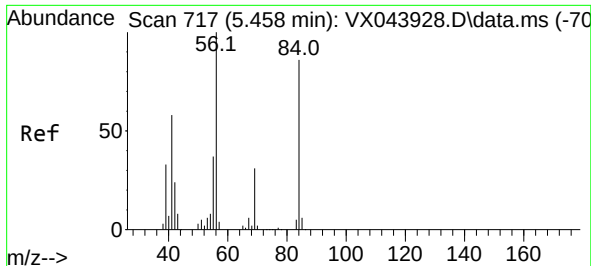
Tgt Ion: 96 Resp: 7451
 Ion Ratio Lower Upper
 96 100
 61 127.3 0.0 297.4
 98 66.9 0.0 127.8



#29
 Tetrahydrofuran
 Concen: 0.320 ug/l
 RT: 5.038 min Scan# 648
 Delta R.T. 0.037 min
 Lab File: VX044074.D
 Acq: 02 Dec 2024 18:18

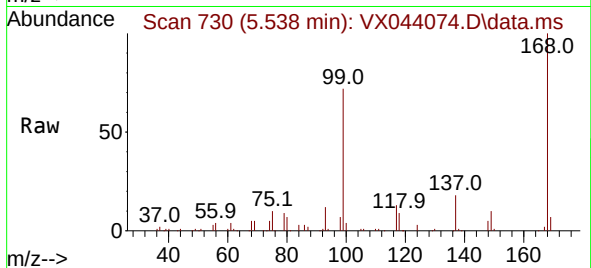
Tgt Ion: 42 Resp: 237
 Ion Ratio Lower Upper
 42 100
 72 0.0 36.4 54.6#
 71 16.9 33.4 50.0#



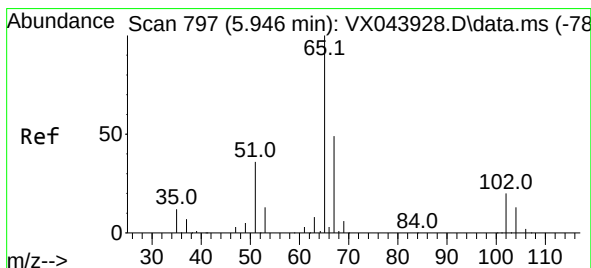
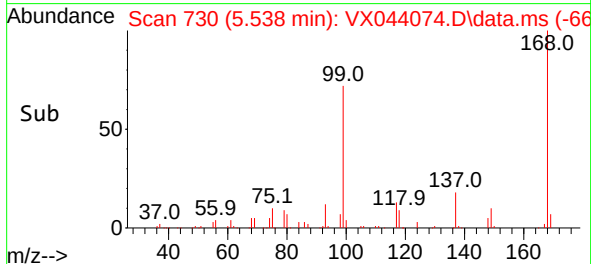
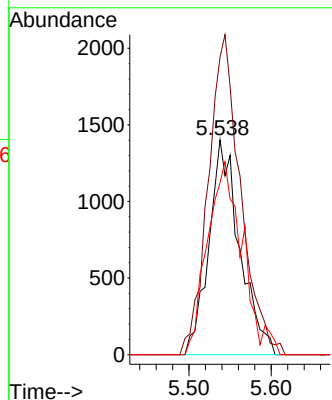


#31
Cyclohexane
Concen: 1.606 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

Instrument :
MSVOA_X
ClientSampleId :

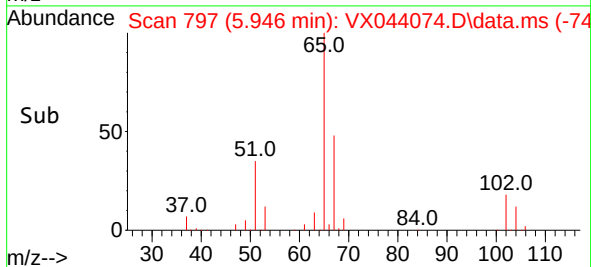
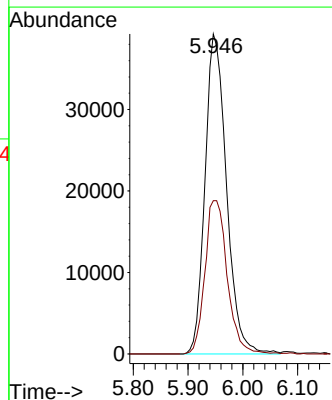
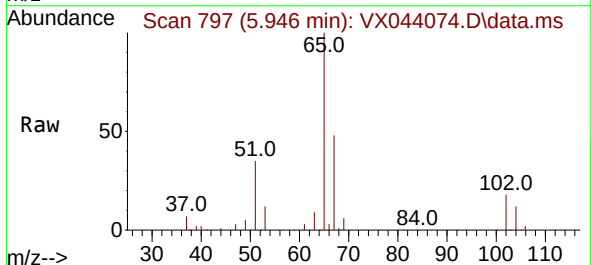


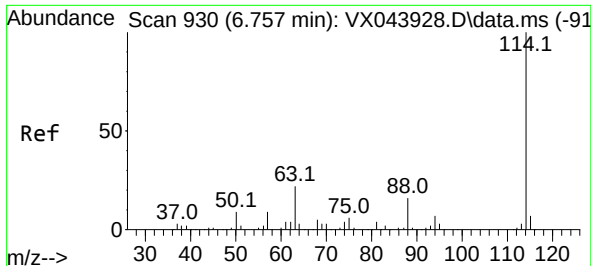
Tgt Ion: 56 Resp: 3649
Ion Ratio Lower Upper
56 100
69 138.4 24.7 37.1#
84 80.0 68.7 103.1



#33
1,2-Dichloroethane-d4
Concen: 52.336 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.000 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

Tgt Ion: 65 Resp: 106693
Ion Ratio Lower Upper
65 100
67 49.9 0.0 100.8

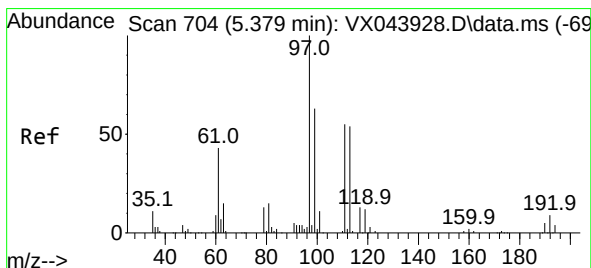
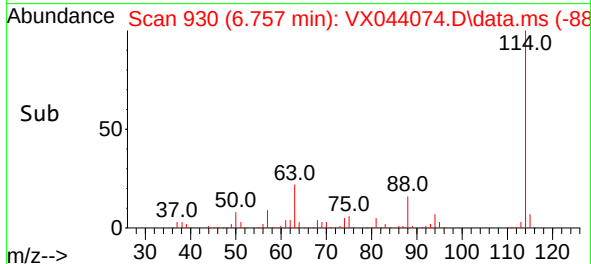
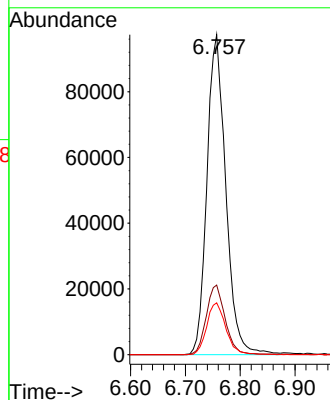
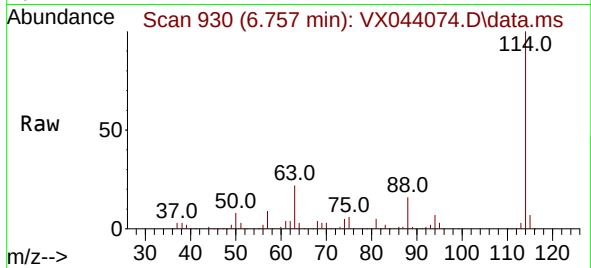




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

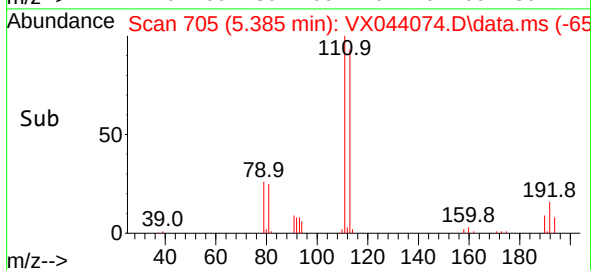
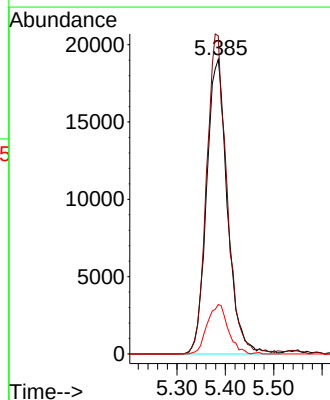
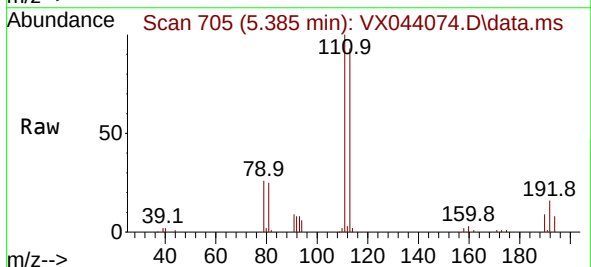
Instrument :
MSVOA_X
ClientSampleId :

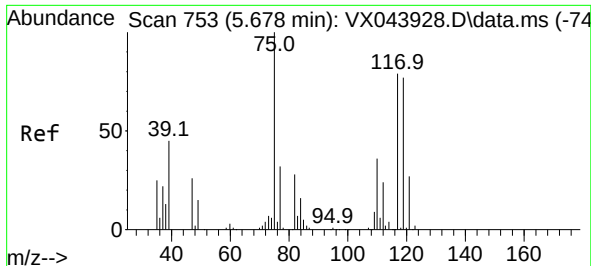
Tgt Ion:114 Resp: 232004
Ion Ratio Lower Upper
114 100
63 21.8 0.0 44.0
88 16.2 0.0 32.4



#35
Dibromofluoromethane
Concen: 34.476 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

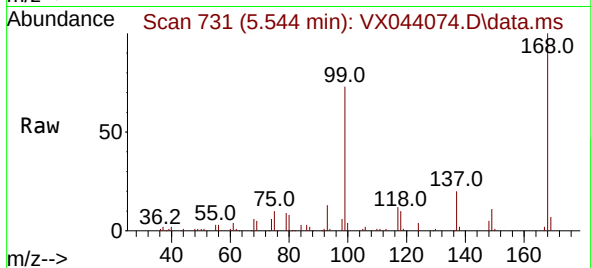
Tgt Ion:113 Resp: 57154
Ion Ratio Lower Upper
113 100
111 105.2 81.0 121.4
192 16.8 13.0 19.6



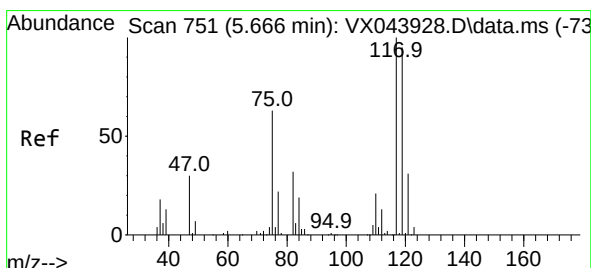
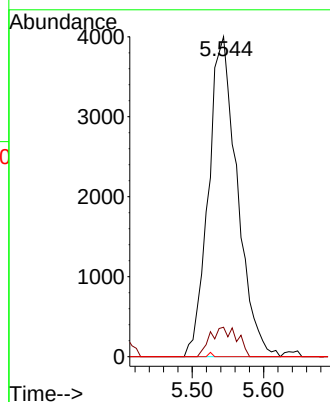
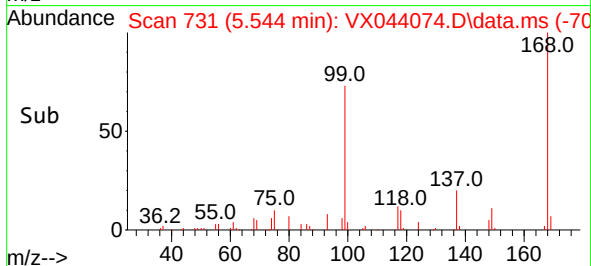


#36
1,1-Dichloropropene
Concen: 5.410 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

Instrument :
MSVOA_X
ClientSampleId :

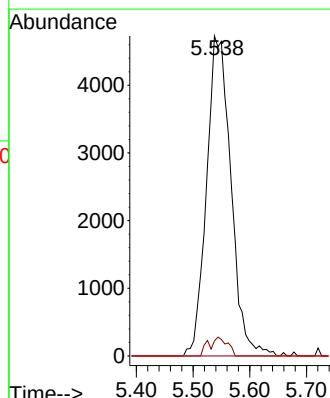
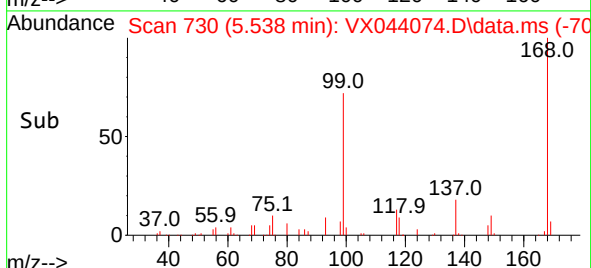
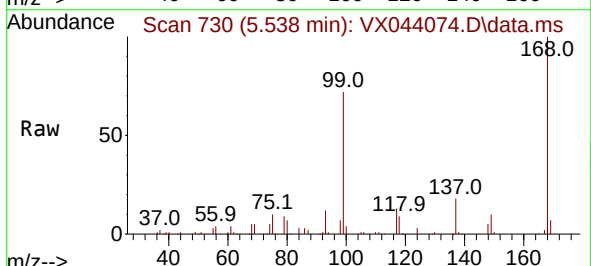


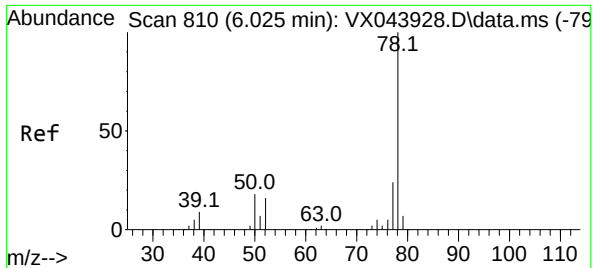
Tgt Ion: 75 Resp: 11176
Ion Ratio Lower Upper
75 100
110 8.7 17.4 52.2#
77 0.2 25.8 38.8#



#38
Carbon Tetrachloride
Concen: 6.084 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.128 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

Tgt Ion: 117 Resp: 14122
Ion Ratio Lower Upper
117 100
119 4.7 75.2 112.8#
121 0.0 24.5 36.7#

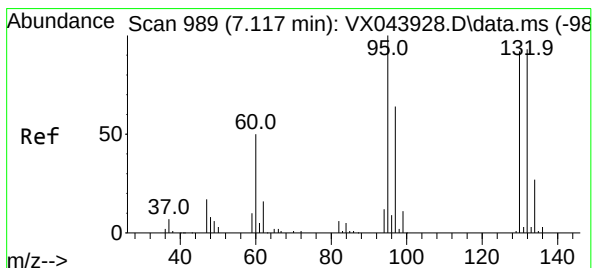
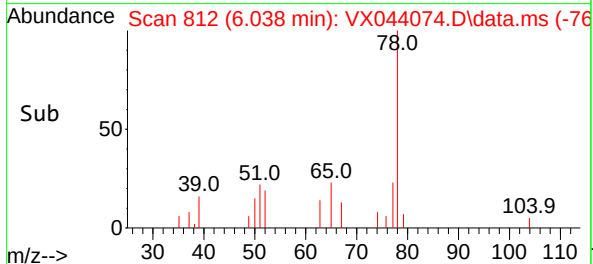
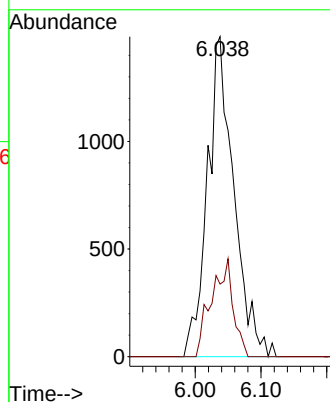
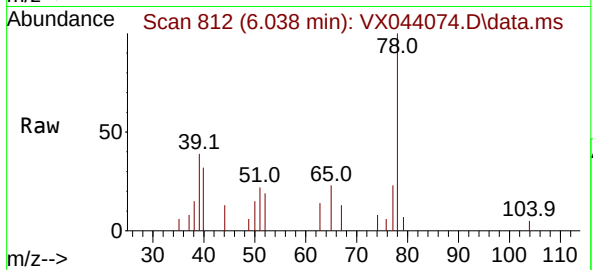




#40
Benzene
Concen: 0.648 ug/l
RT: 6.038 min Scan# 810
Delta R.T. 0.012 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

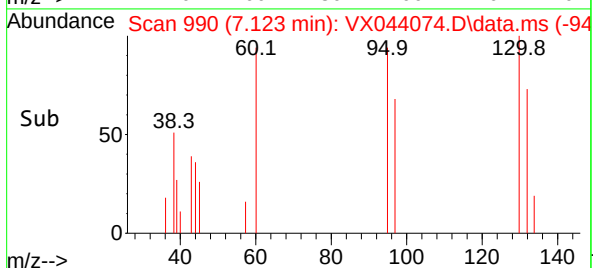
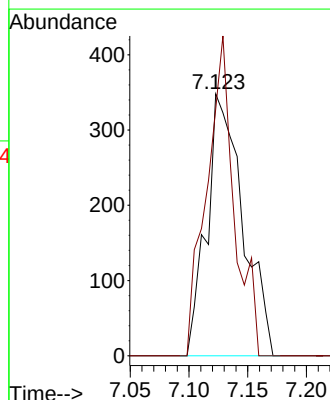
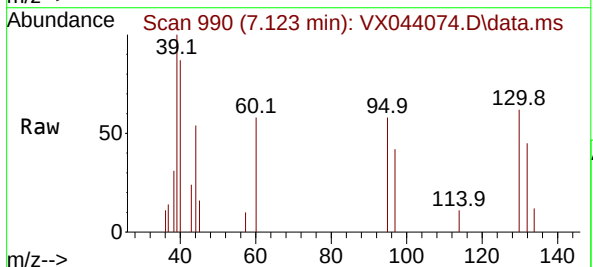
Instrument :
MSVOA_X
ClientSampleId :

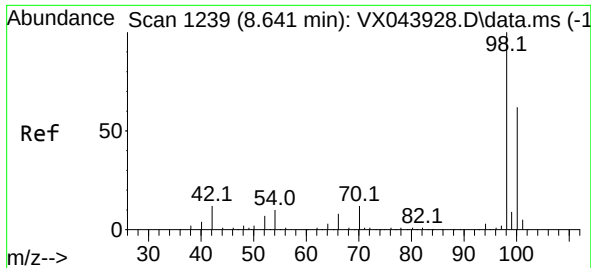
Tgt Ion: 78 Resp: 4170
Ion Ratio Lower Upper
78 100
77 22.7 19.2 28.8



#44
Trichloroethene
Concen: 0.408 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

Tgt Ion:130 Resp: 744
Ion Ratio Lower Upper
130 100
95 94.3 0.0 217.8

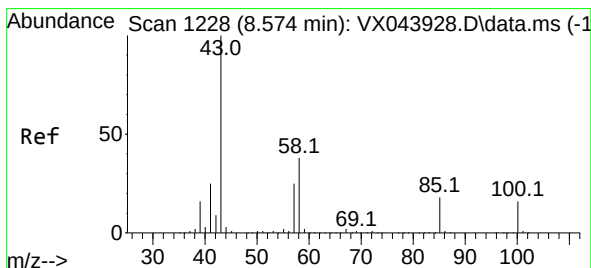
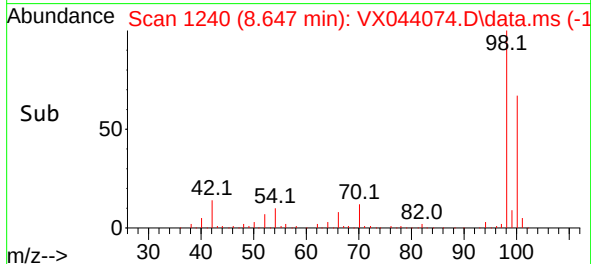
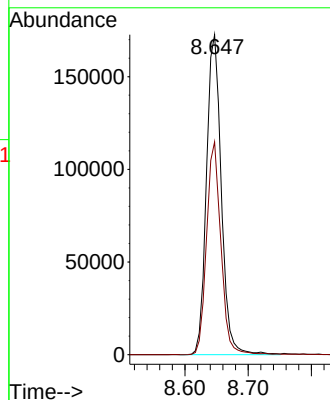
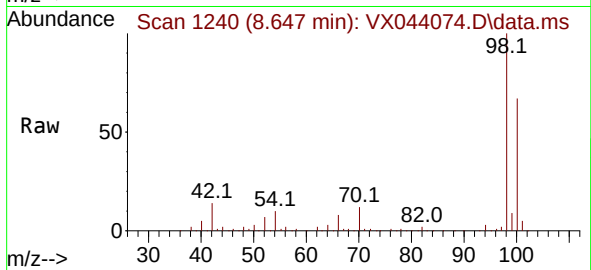




#50
Toluene-d8
Concen: 49.356 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

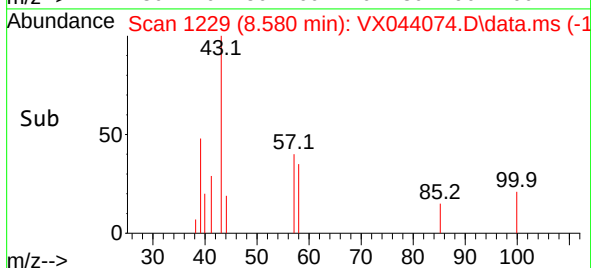
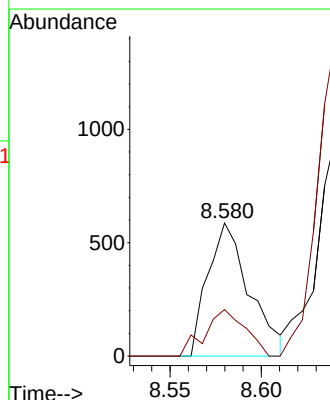
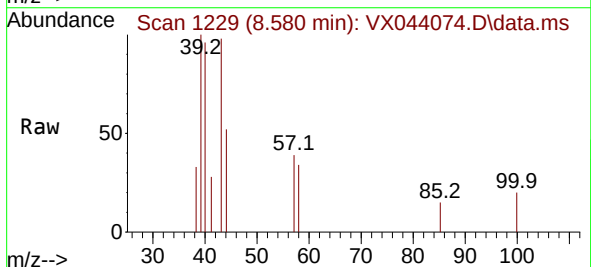
Instrument :
MSVOA_X
ClientSampleId :

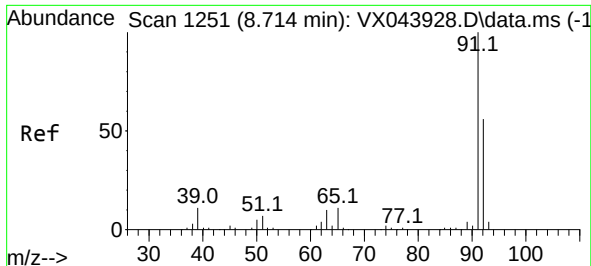
Tgt Ion: 98 Resp: 282050
Ion Ratio Lower Upper
98 100
100 64.5 52.6 79.0



#51
4-Methyl-2-Pentanone
Concen: 0.373 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

Tgt Ion: 43 Resp: 929
Ion Ratio Lower Upper
43 100
58 33.9 30.0 45.0

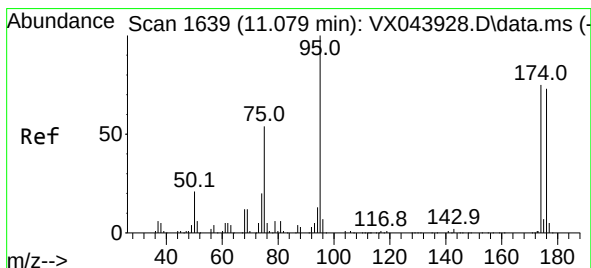
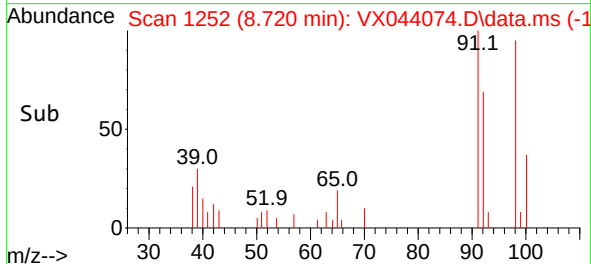
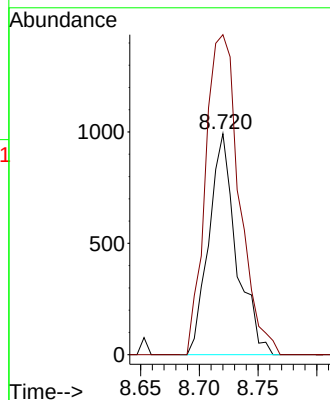
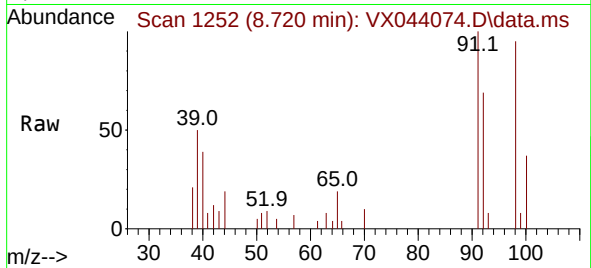




#52
Toluene
Concen: 0.420 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

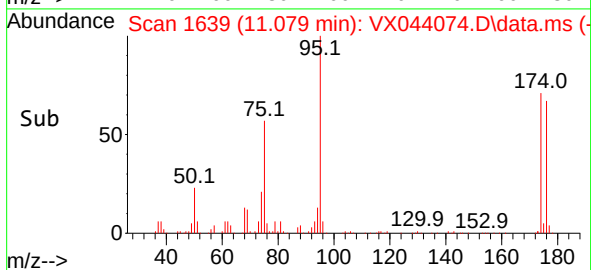
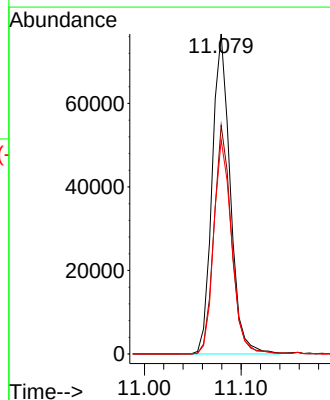
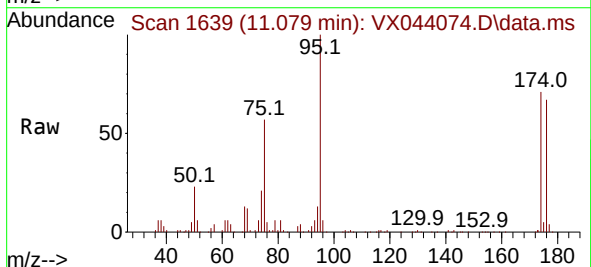
Instrument :
MSVOA_X
ClientSampleId :

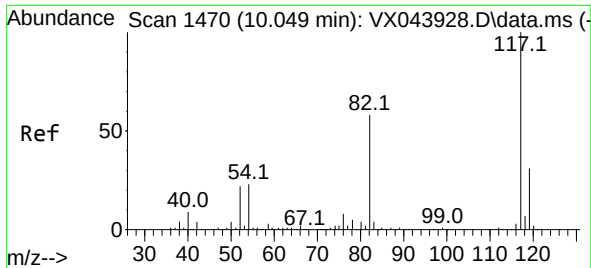
Tgt Ion: 92 Resp: 1617
Ion Ratio Lower Upper
92 100
91 177.9 139.7 209.5



#62
4-Bromofluorobenzene
Concen: 51.132 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

Tgt Ion: 95 Resp: 99442
Ion Ratio Lower Upper
95 100
174 69.0 0.0 150.4
176 66.6 0.0 146.0

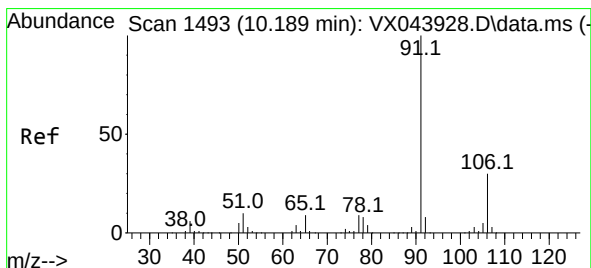
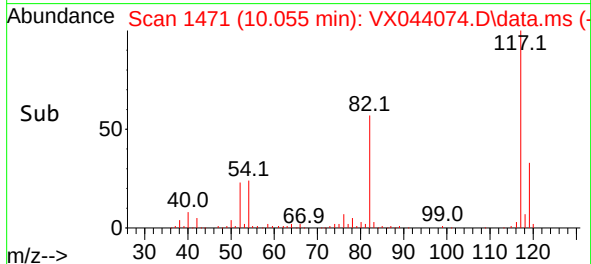
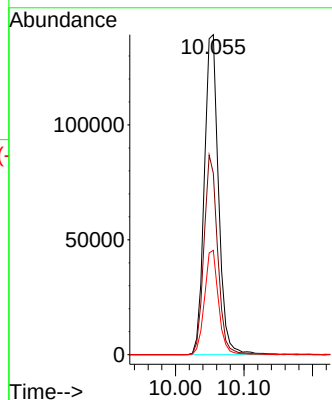
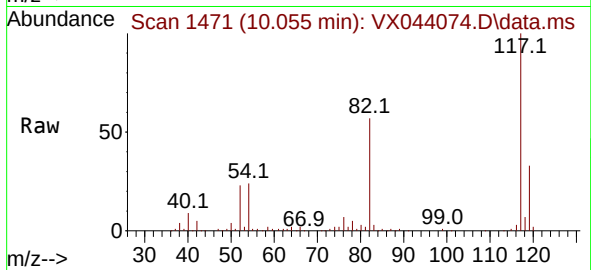




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

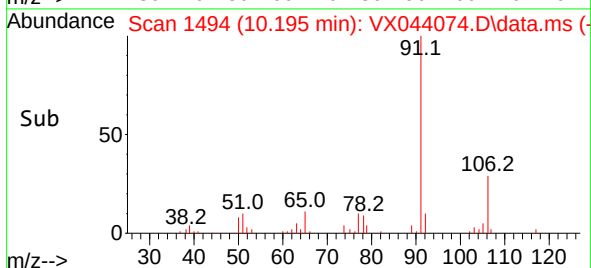
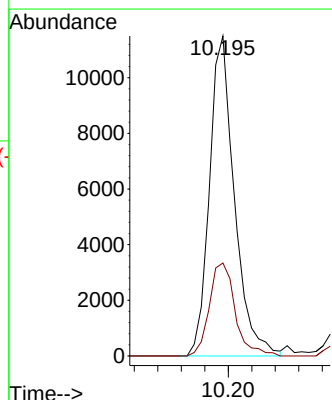
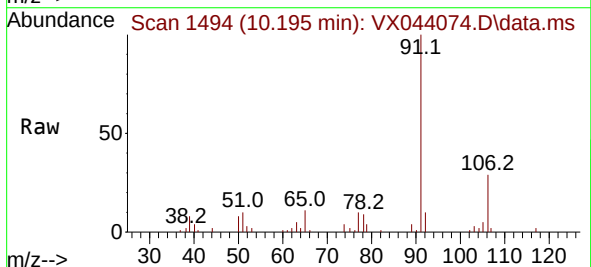
Instrument :
MSVOA_X
ClientSampleId :

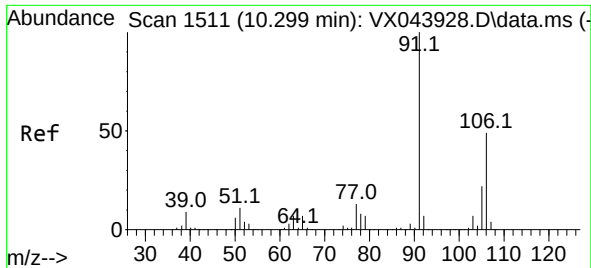
Tgt Ion:117 Resp: 201444
Ion Ratio Lower Upper
117 100
82 56.7 46.4 69.6
119 32.6 24.6 37.0



#67
Ethyl Benzene
Concen: 2.262 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

Tgt Ion: 91 Resp: 16960
Ion Ratio Lower Upper
91 100
106 29.0 23.6 35.4

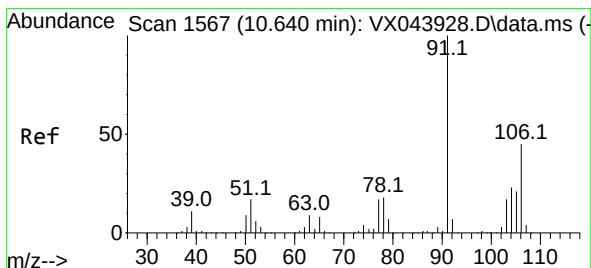
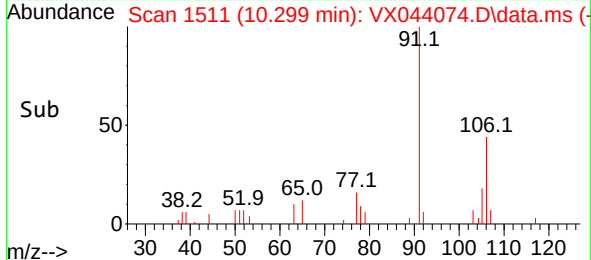
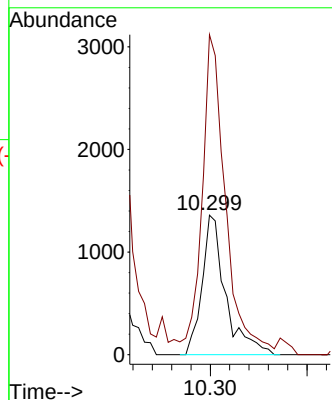
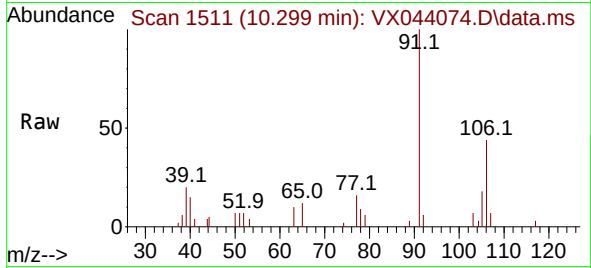




#68
m/p-Xylenes
Concen: 0.821 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

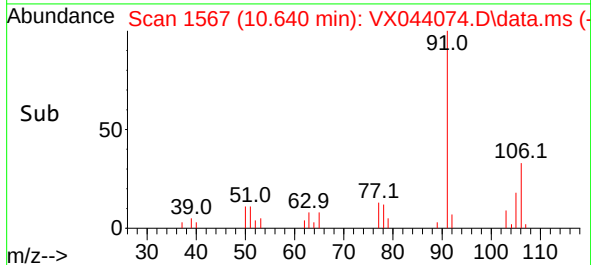
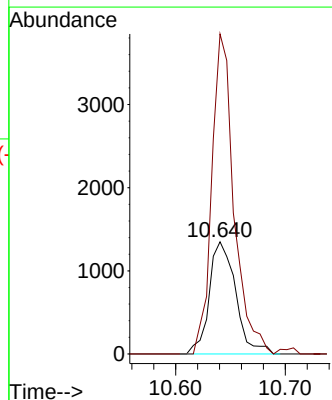
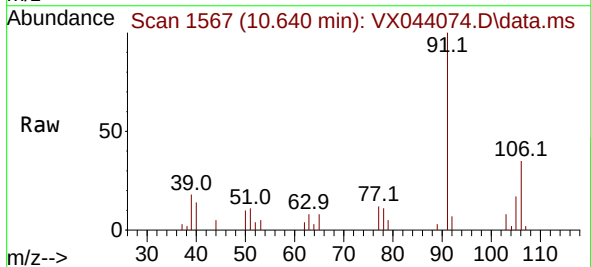
Instrument :
MSVOA_X
ClientSampleId :

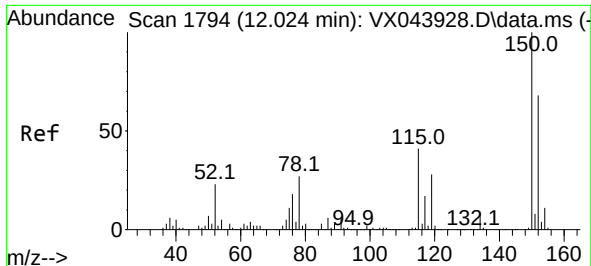
Tgt Ion:106 Resp: 2295
Ion Ratio Lower Upper
106 100
91 217.4 168.1 252.1



#69
o-Xylene
Concen: 0.830 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

Tgt Ion:106 Resp: 2266
Ion Ratio Lower Upper
106 100
91 239.0 110.2 330.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX044074.D

Acq: 02 Dec 2024 18:18

Instrument :

MSVOA_X

ClientSampleId :

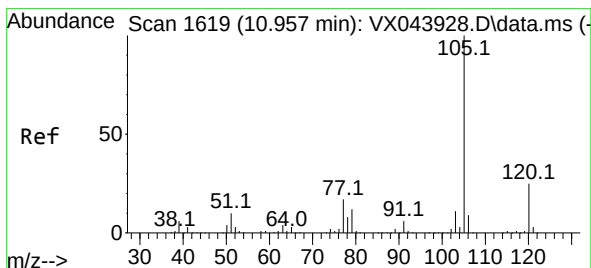
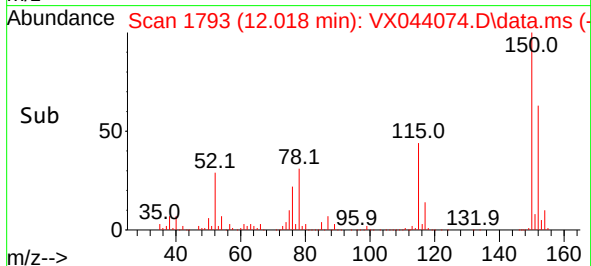
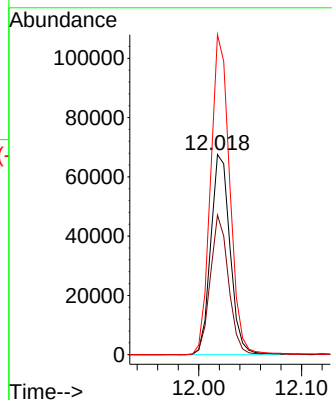
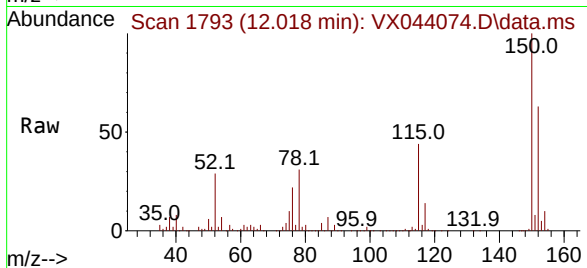
Tgt Ion:152 Resp: 88047

Ion Ratio Lower Upper

152 100

115 66.5 45.4 136.2

150 158.7 0.0 353.0



#73

Isopropylbenzene

Concen: 0.223 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VX044074.D

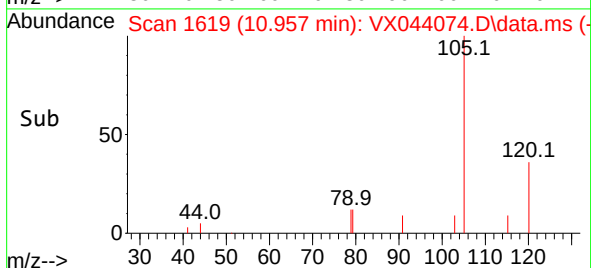
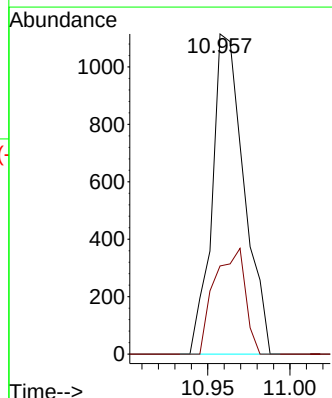
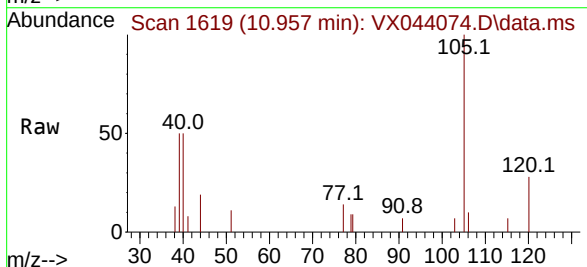
Acq: 02 Dec 2024 18:18

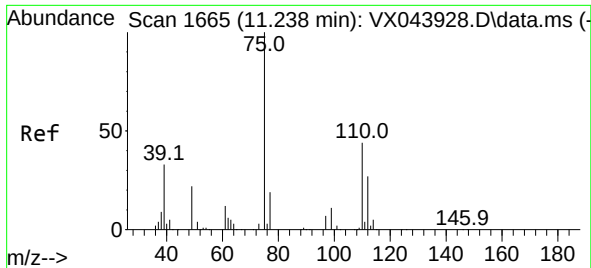
Tgt Ion:105 Resp: 1506

Ion Ratio Lower Upper

105 100

120 31.6 13.0 38.9

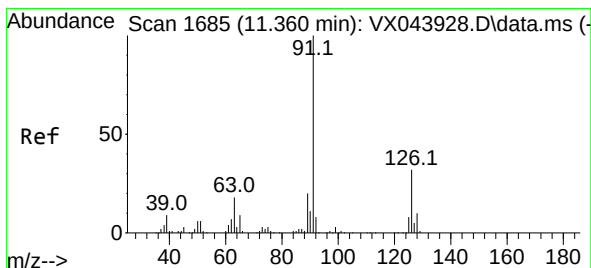
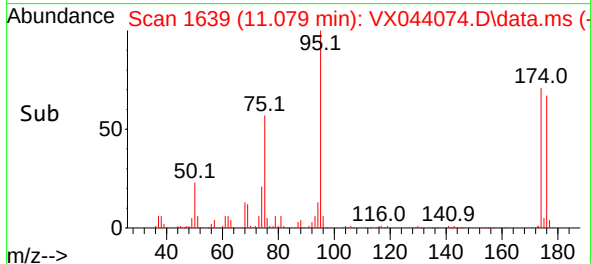
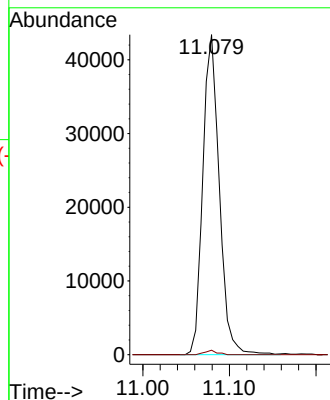
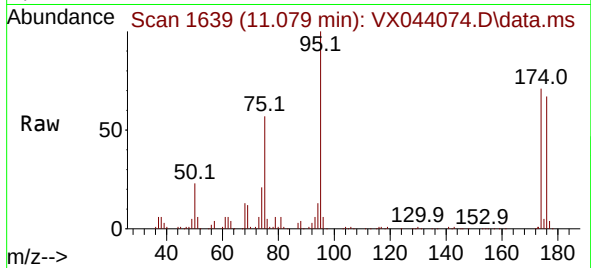




#76
1,2,3-Trichloropropane
Concen: 29.766 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

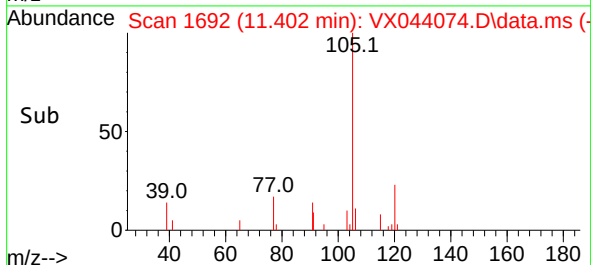
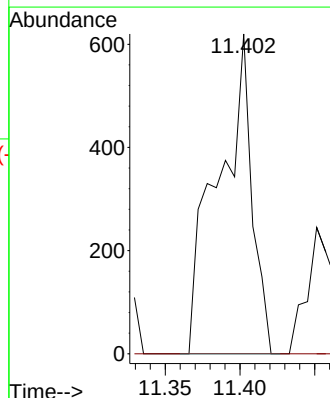
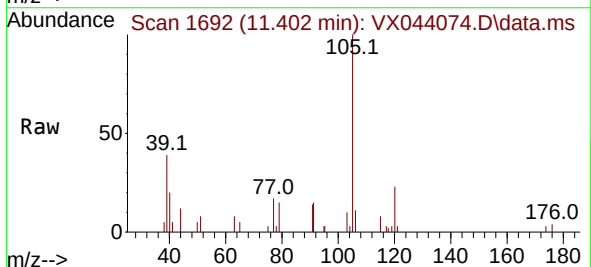
Instrument :
MSVOA_X
ClientSampleId :

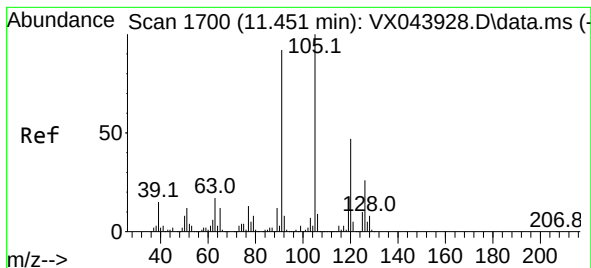
Tgt Ion: 75 Resp: 57473
Ion Ratio Lower Upper
75 100
77 1.0 21.8 65.3#



#79
2-Chlorotoluene
Concen: 0.204 ug/l
RT: 11.402 min Scan# 1692
Delta R.T. 0.043 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

Tgt Ion: 91 Resp: 975
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.8#





#80

1,3,5-Trimethylbenzene

Concen: 0.355 ug/l

RT: 11.451 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044074.D

Acq: 02 Dec 2024 18:18

Instrument :

MSVOA_X

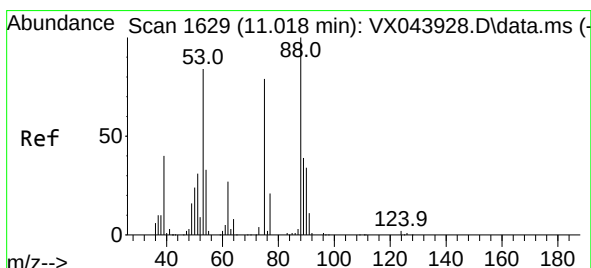
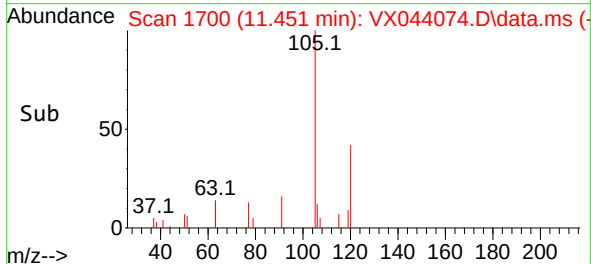
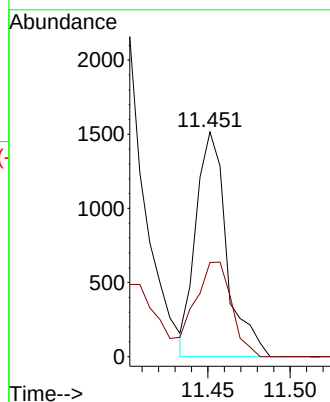
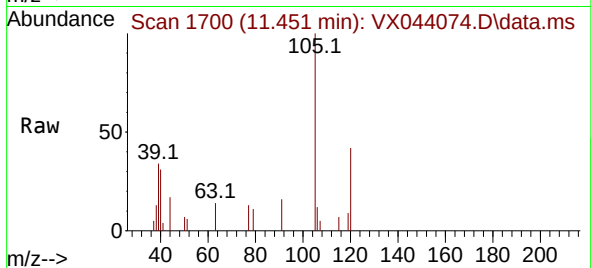
ClientSampleId :

Tgt Ion:105 Resp: 1979

Ion Ratio Lower Upper

105 100

120 50.8 23.3 69.8



#81

trans-1,4-Dichloro-2-butene

Concen: 81.223 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX044074.D

Acq: 02 Dec 2024 18:18

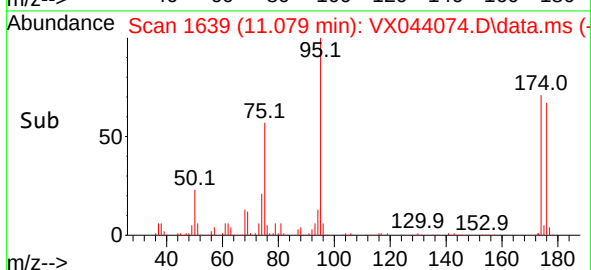
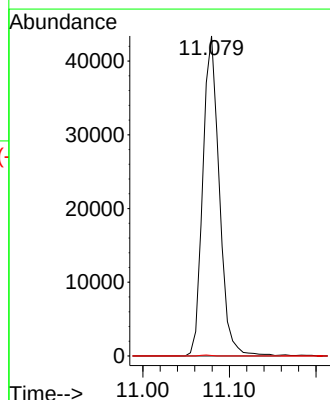
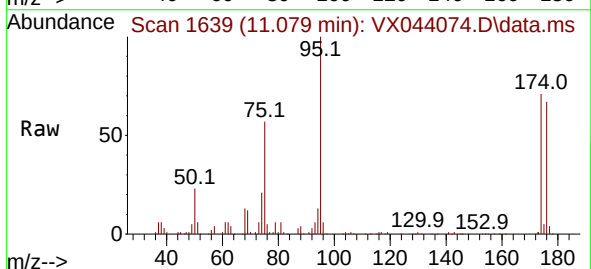
Tgt Ion: 75 Resp: 57473

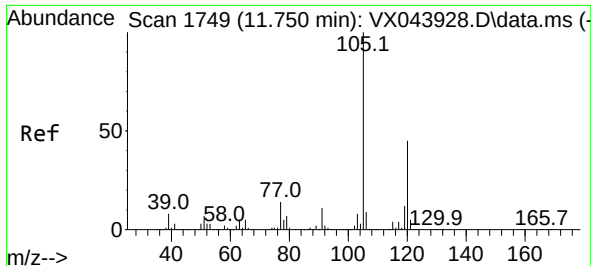
Ion Ratio Lower Upper

75 100

53 0.0 86.7 130.1#

89 0.2 38.2 57.2#

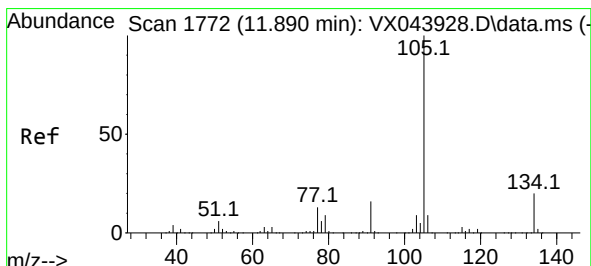
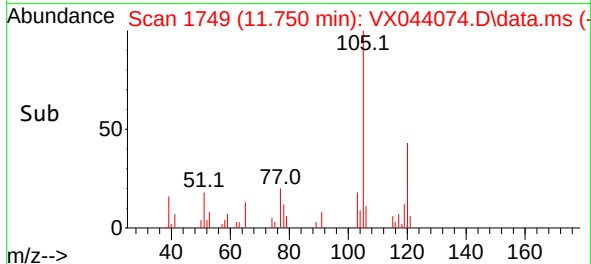
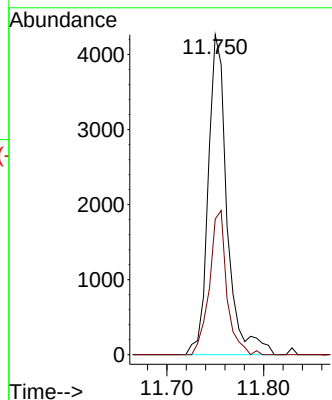
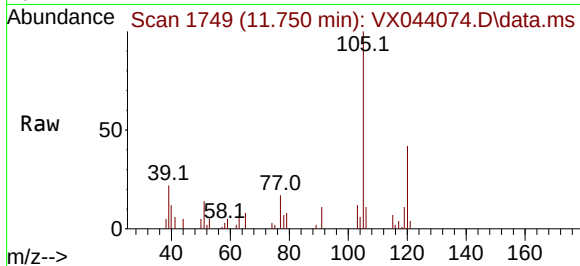




#84
1,2,4-Trimethylbenzene
Concen: 1.042 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

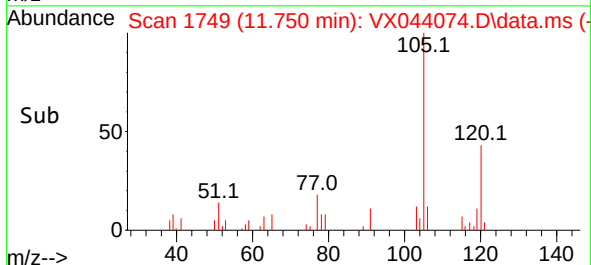
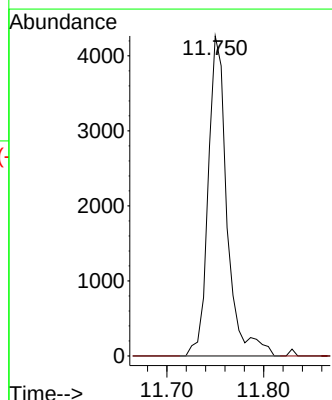
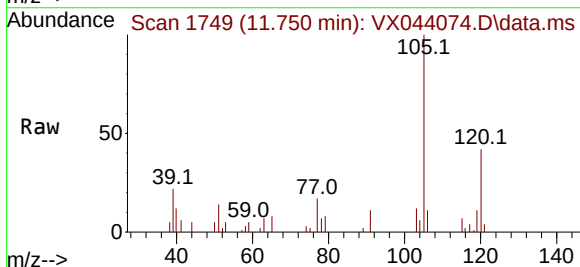
Instrument :
MSVOA_X
ClientSampleId :

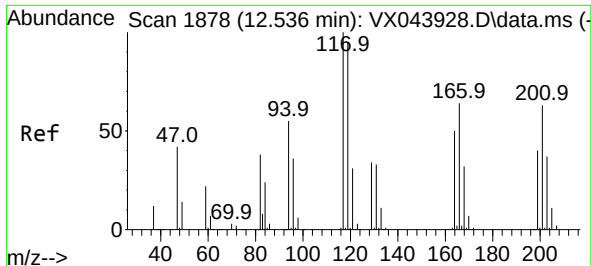
Tgt Ion:105 Resp: 5778
Ion Ratio Lower Upper
105 100
120 41.6 21.9 65.7



#85
sec-Butylbenzene
Concen: 0.854 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.140 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

Tgt Ion:105 Resp: 5778
Ion Ratio Lower Upper
105 100
134 0.0 9.7 29.1#

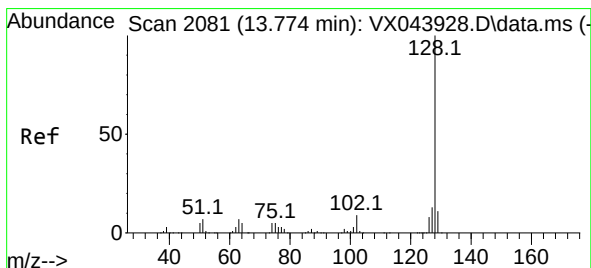
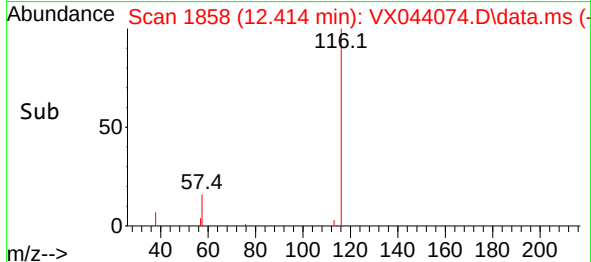
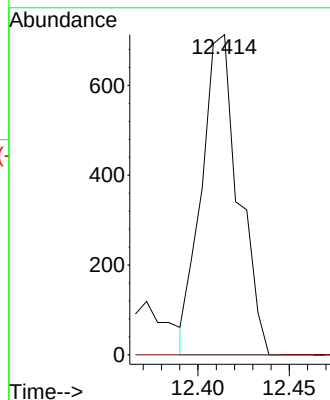
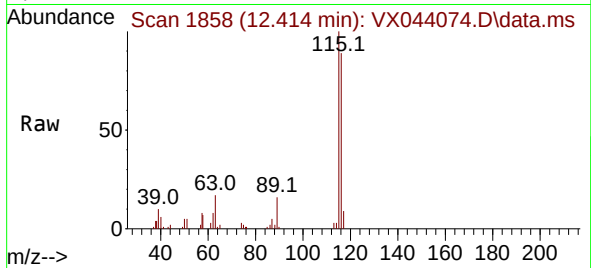




#90
Hexachloroethane
Concen: 1.075 ug/l
RT: 12.414 min Scan# 1878
Delta R.T. -0.122 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:117 Resp: 1004
Ion Ratio Lower Upper
117 100
201 0.0 32.4 97.0#



#95
Naphthalene
Concen: 104.460 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX044074.D
Acq: 02 Dec 2024 18:18

Tgt Ion:128 Resp: 657879
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 11.0 8.6 12.8

