

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
 Data File : VX044392.D
 Acq On : 18 Dec 2024 18:42
 Operator : JC/MD
 Sample : P5281-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 19 00:51:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 12 04:28:14 2024
 Response via : Initial Calibration

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

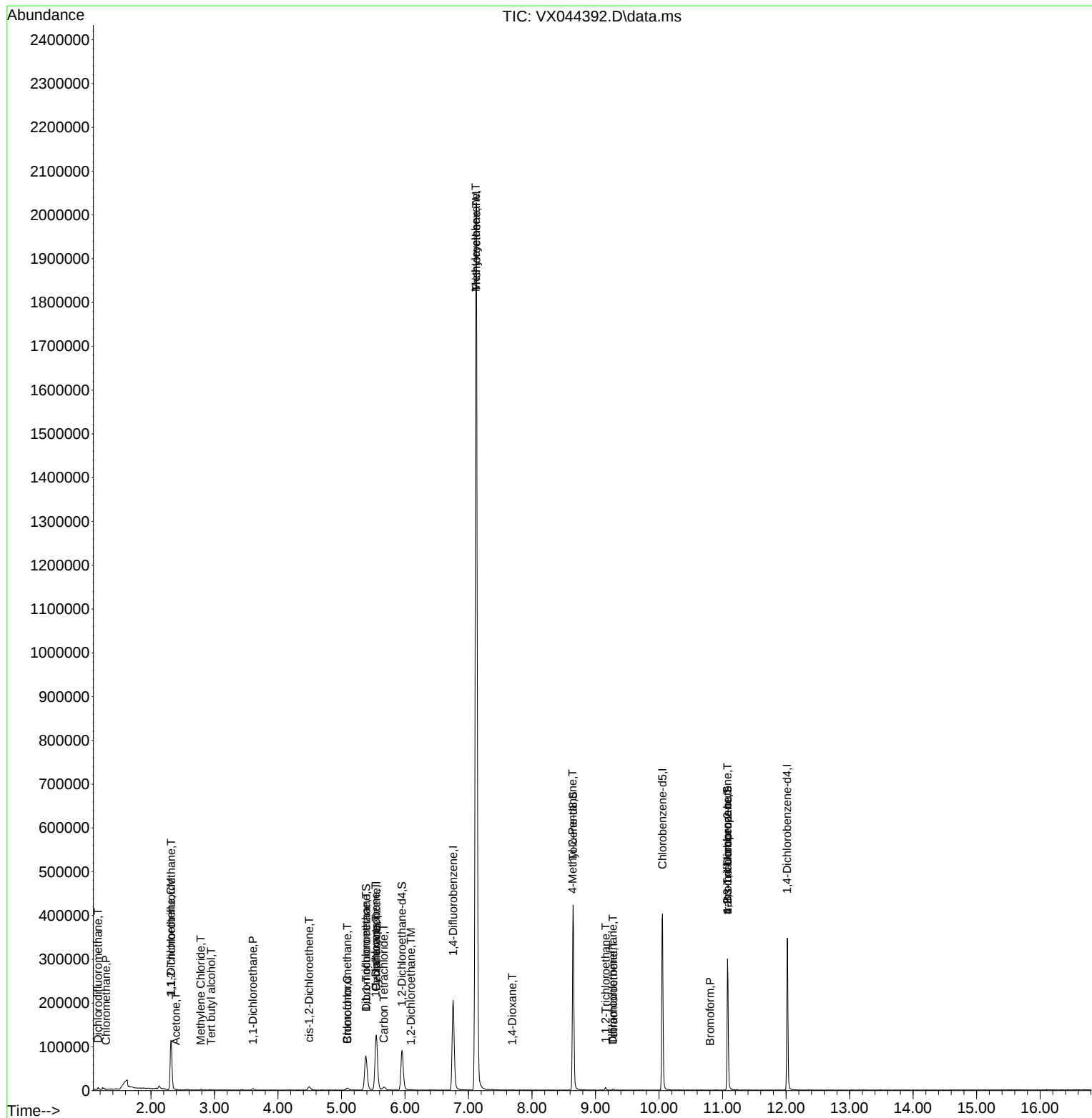
Internal Standards						
1) Pentafluorobenzene	5.550	168	115938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	206968	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	178386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70750	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87364	42.978	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.960%		
35) Dibromofluoromethane	5.385	113	67237	46.906	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.820%		
50) Toluene-d8	8.647	98	244633	50.586	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.180%		
62) 4-Bromofluorobenzene	11.079	95	77794	46.037	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	2308	1.287	ug/l	100
3) Chloromethane	1.294	50	356	0.208	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	2.319	101	33134	23.419	ug/l	96
11) Tert butyl alcohol	2.947	59	353	1.232	ug/l #	71
12) 1,1-Dichloroethene	2.313	96	13073	10.060	ug/l	82
16) Acetone	2.392	43	788	0.951	ug/l #	88
20) Methylene Chloride	2.782	84	641	0.412	ug/l #	83
24) 1,1-Dichloroethane	3.605	63	3460	1.273	ug/l #	93
27) cis-1,2-Dichloroethene	4.489	96	4801	2.737	ug/l	92
28) Bromochloromethane	5.093	49	529	0.397	ug/l #	13
30) Chloroform	5.093	83	5081	1.664	ug/l	95
31) Cyclohexane	5.544	56	2941	1.340	ug/l #	49
32) 1,1,1-Trichloroethane	5.385	97	1587	0.626	ug/l #	50
36) 1,1-Dichloropropene	5.538	75	9843	5.312	ug/l #	50
38) Carbon Tetrachloride	5.666	117	5756	2.885	ug/l #	83
39) Methylcyclohexane	7.117	83	9957	4.495	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	477	0.206	ug/l #	78
44) Trichloroethene	7.123	130	757632	540.040	ug/l	99
49) 1,4-Dioxane	7.690	88	331	11.488	ug/l #	84
51) 4-Methyl-2-Pentanone	8.641	43	1260	0.547	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	1528	1.089	ug/l #	80
60) Dibromochloromethane	9.275	129	504	1.577	ug/l #	11
64) Tetrachloroethene	9.281	164	530	0.448	ug/l #	44
71) Bromoform	10.805	173	26	1.263	ug/l #	29
76) 1,2,3-Trichloropropane	11.079	75	41897	26.523	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	41897	73.099	ug/l #	4

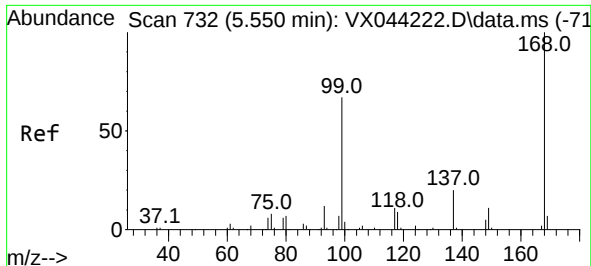
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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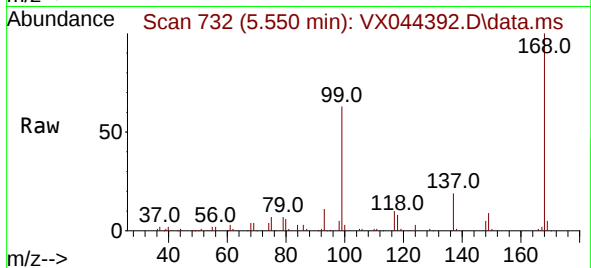
Quant Time: Dec 19 00:51:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
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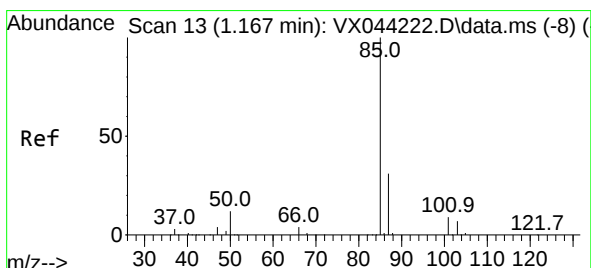
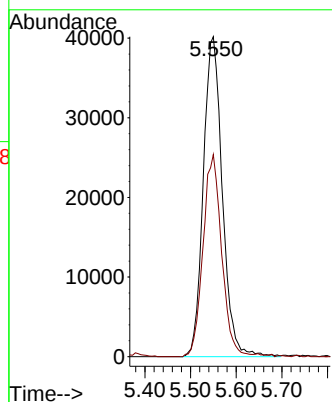
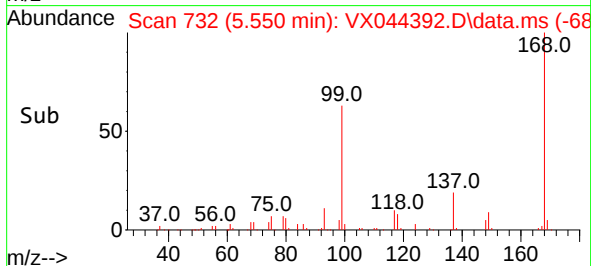


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044392.D
Acq: 18 Dec 2024 18:42

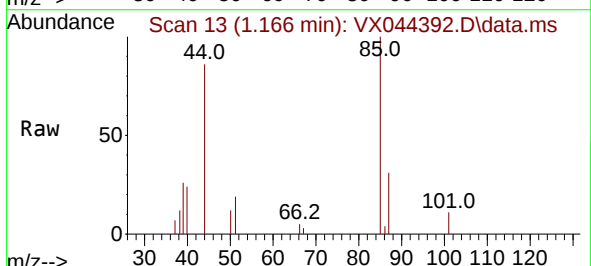
Instrument :
MSVOA_X
ClientSampleId :



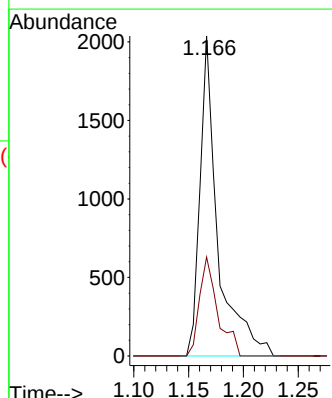
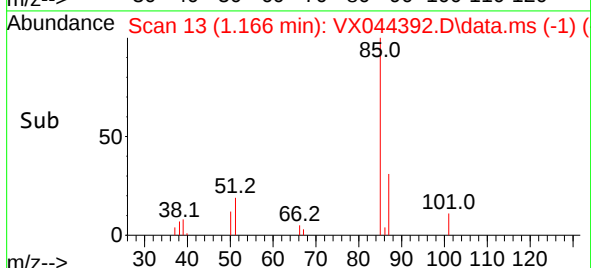
Tgt Ion:168 Resp: 115938
Ion Ratio Lower Upper
168 100
99 63.1 53.4 80.0

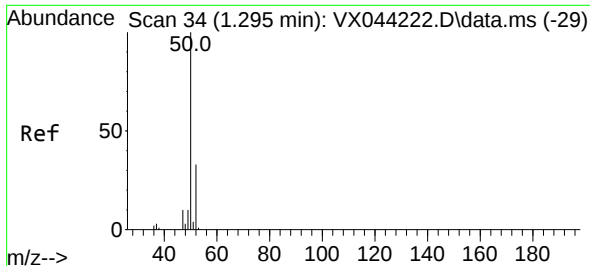


#2
Dichlorodifluoromethane
Concen: 1.287 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044392.D
Acq: 18 Dec 2024 18:42



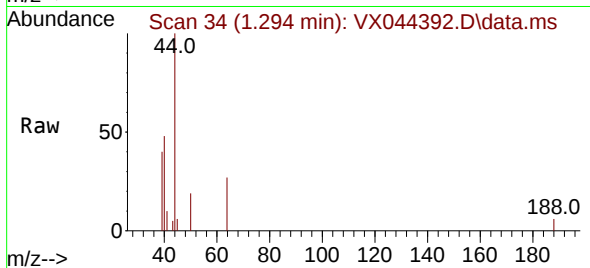
Tgt Ion: 85 Resp: 2308
Ion Ratio Lower Upper
85 100
87 30.9 15.4 46.4



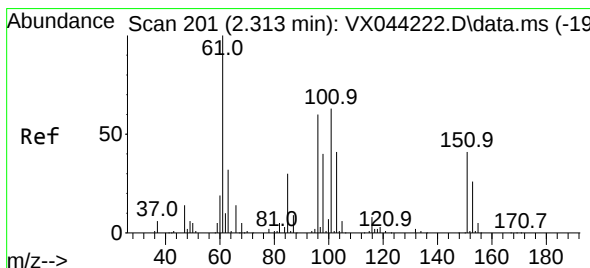
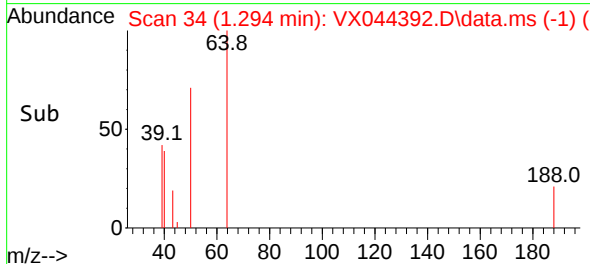
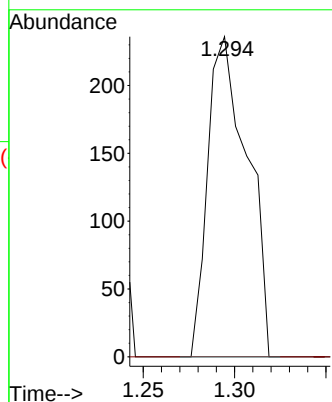


#3
Chloromethane
Concen: 0.208 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044392.D
Acq: 18 Dec 2024 18:42

Instrument :
MSVOA_X
ClientSampleId :

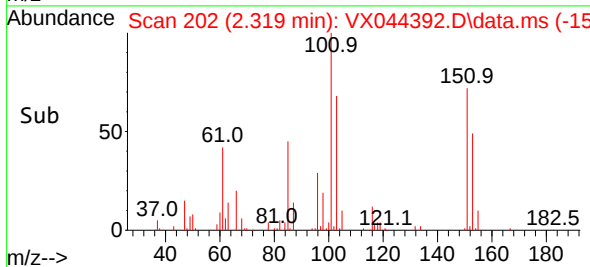
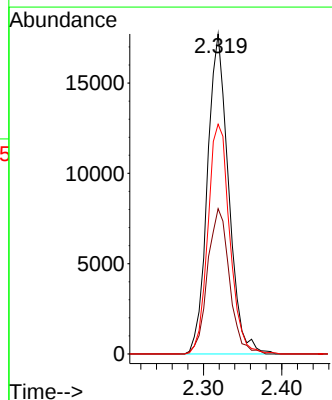
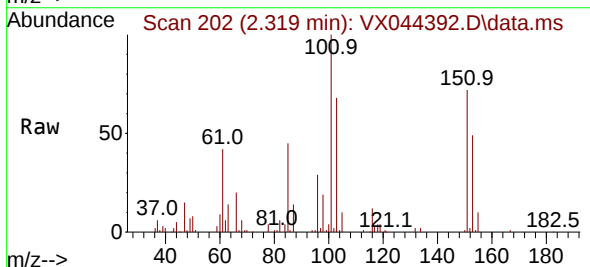


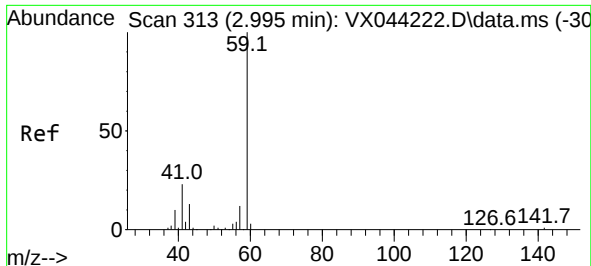
Tgt Ion: 50 Resp: 356
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 23.419 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX044392.D
Acq: 18 Dec 2024 18:42

Tgt Ion: 101 Resp: 33134
Ion Ratio Lower Upper
101 100
85 47.0 38.5 57.7
151 74.2 55.8 83.6





#11

Tert butyl alcohol

Concen: 1.232 ug/l

RT: 2.947 min Scan# 30

Delta R.T. -0.049 min

Lab File: VX044392.D

Acq: 18 Dec 2024 18:42

Instrument :

MSVOA_X

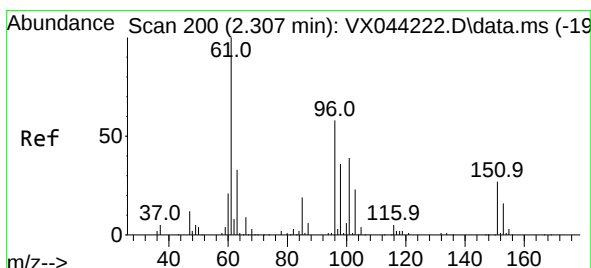
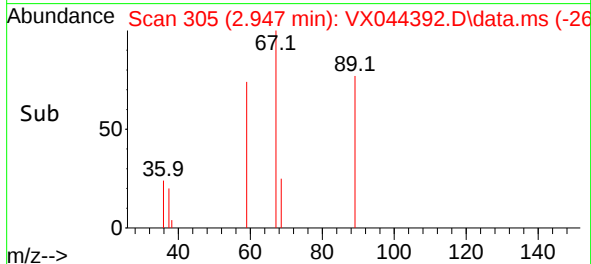
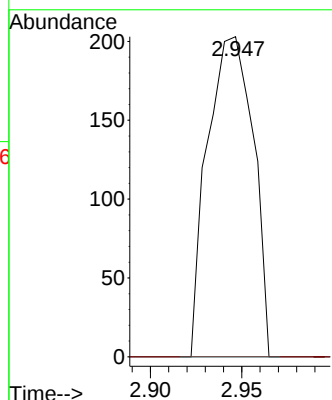
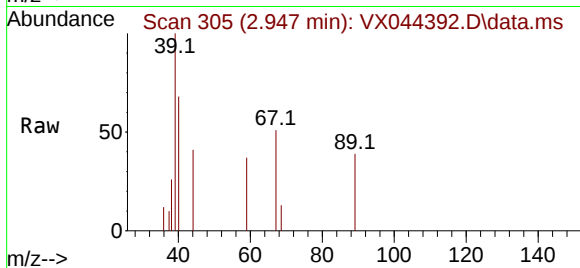
ClientSampleId :

Tgt Ion: 59 Resp: 353

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



#12

1,1-Dichloroethene

Concen: 10.060 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX044392.D

Acq: 18 Dec 2024 18:42

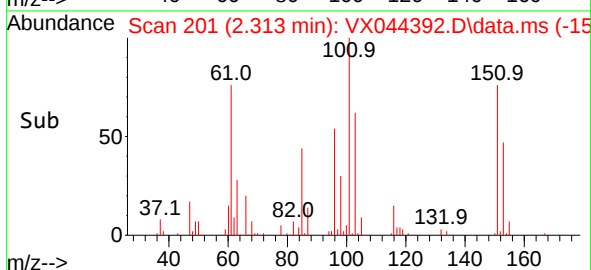
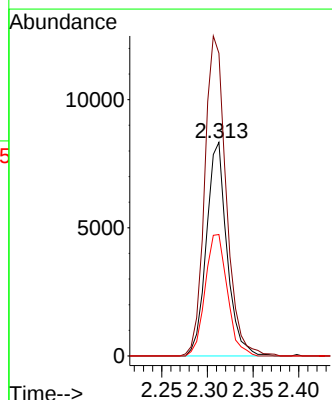
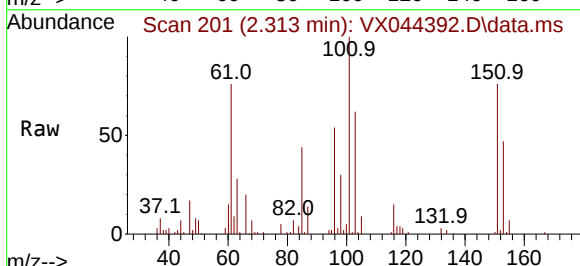
Tgt Ion: 96 Resp: 13073

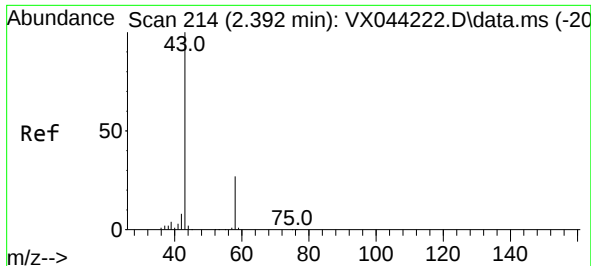
Ion Ratio Lower Upper

96 100

61 141.7 138.0 207.0

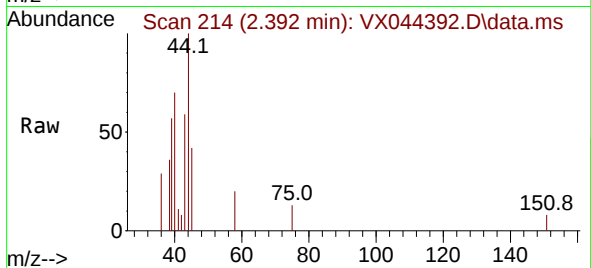
98 56.8 50.0 75.0



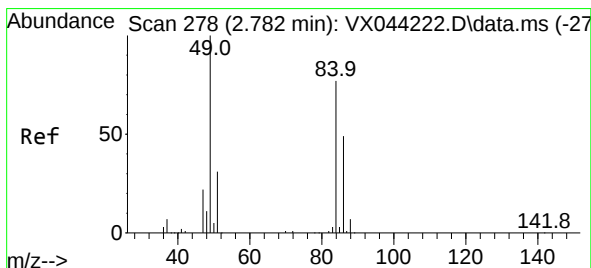
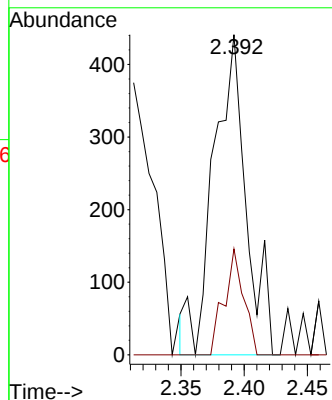
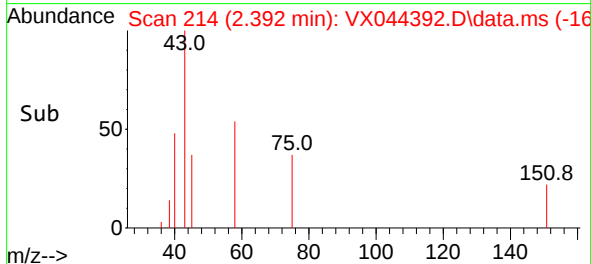


#16
Acetone
Concen: 0.951 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044392.D
Acq: 18 Dec 2024 18:42

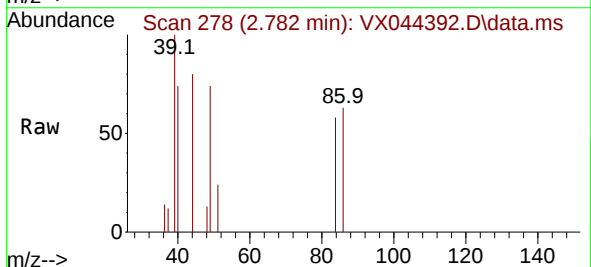
Instrument :
MSVOA_X
ClientSampleId :



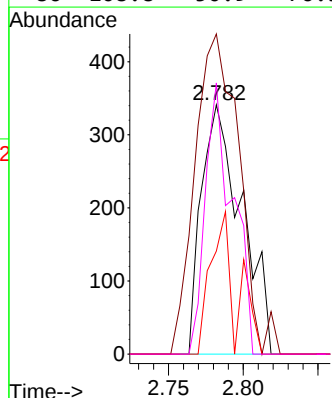
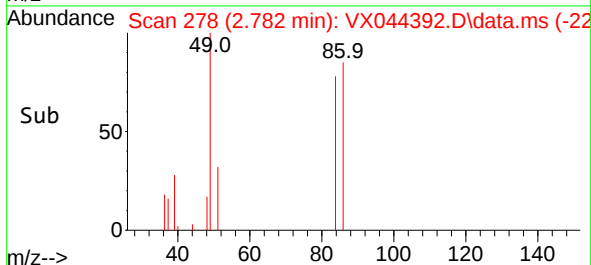
Tgt Ion: 43 Resp: 788
Ion Ratio Lower Upper
43 100
58 33.1 21.6 32.4#

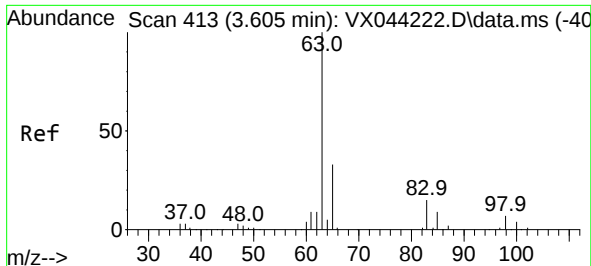


#20
Methylene Chloride
Concen: 0.412 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044392.D
Acq: 18 Dec 2024 18:42



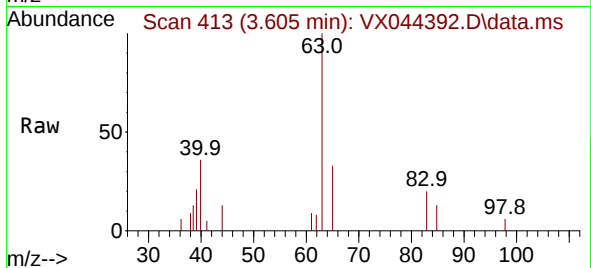
Tgt Ion: 84 Resp: 641
Ion Ratio Lower Upper
84 100
49 128.4 104.2 156.4
51 41.3 32.2 48.4
86 108.8 50.9 76.3#



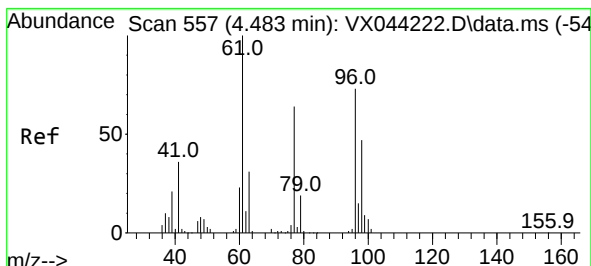
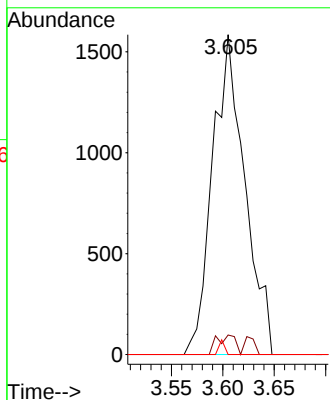
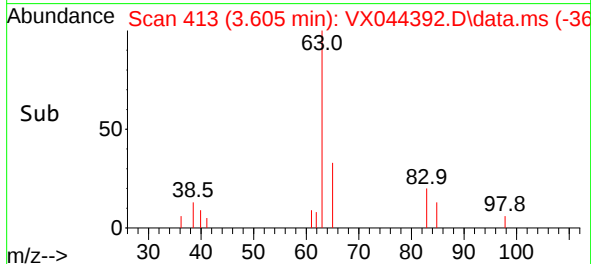


#24
1,1-Dichloroethane
Concen: 1.273 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044392.D
Acq: 18 Dec 2024 18:42

Instrument :
MSVOA_X
ClientSampleId :

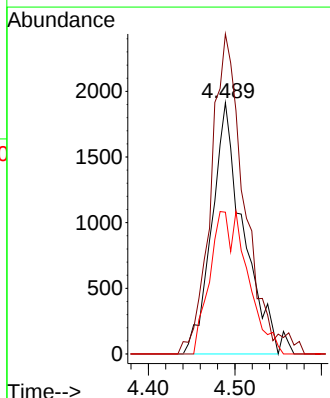
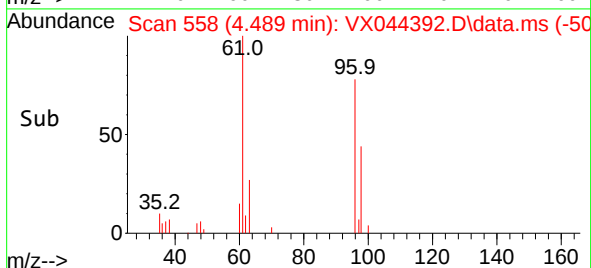
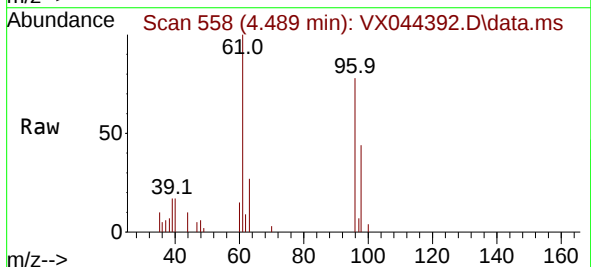


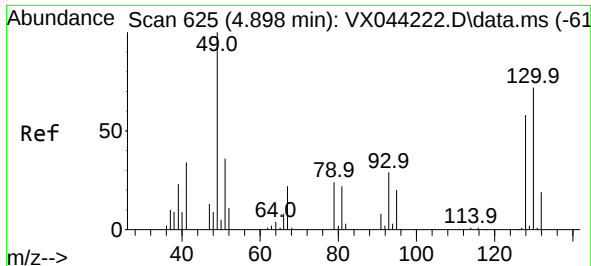
Tgt Ion: 63 Resp: 3460
Ion Ratio Lower Upper
63 100
98 6.1 3.6 10.8
100 0.0 2.1 6.3#



#27
cis-1,2-Dichloroethene
Concen: 2.737 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX044392.D
Acq: 18 Dec 2024 18:42

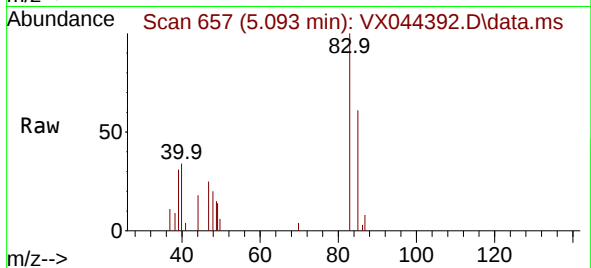
Tgt Ion: 96 Resp: 4801
Ion Ratio Lower Upper
96 100
61 137.0 0.0 299.0
98 67.9 0.0 129.0



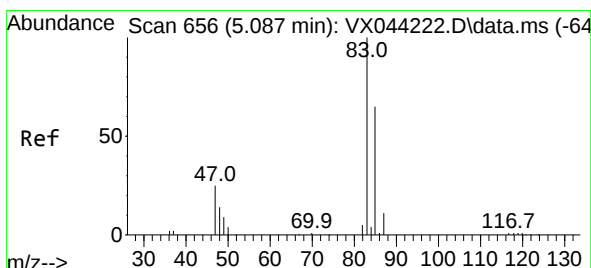
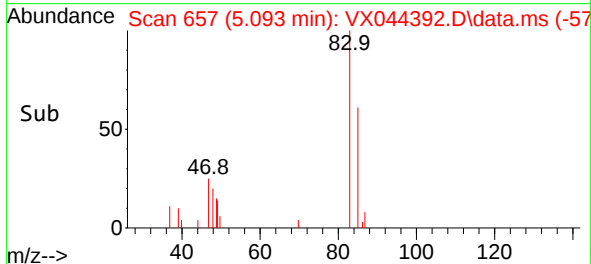
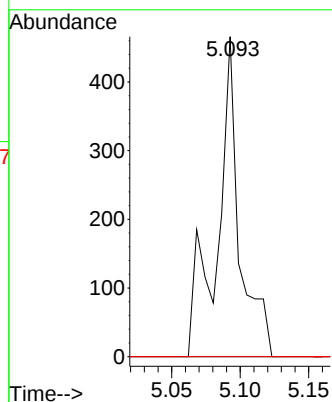


#28
Bromochloromethane
Concen: 0.397 ug/l
RT: 5.093 min Scan# 61
Delta R.T. 0.195 min
Lab File: VX044392.D
Acq: 18 Dec 2024 18:42

Instrument :
MSVOA_X
ClientSampleId :

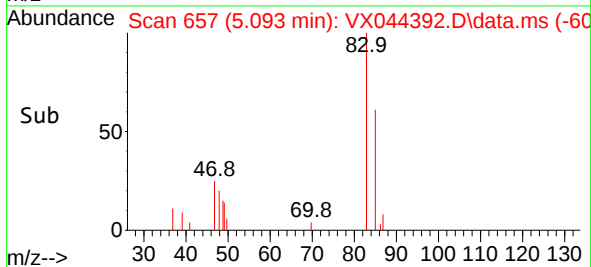
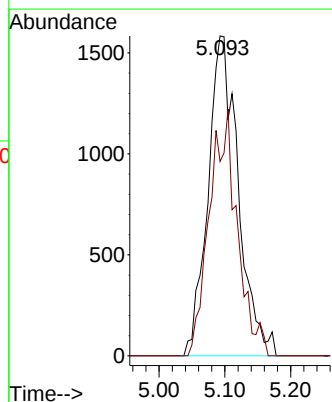
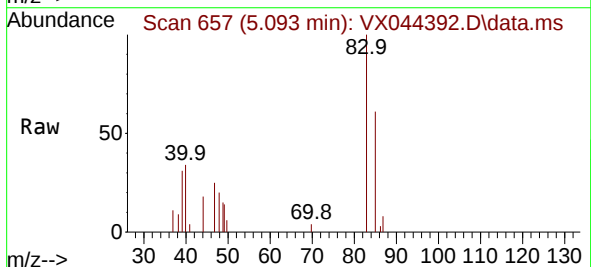


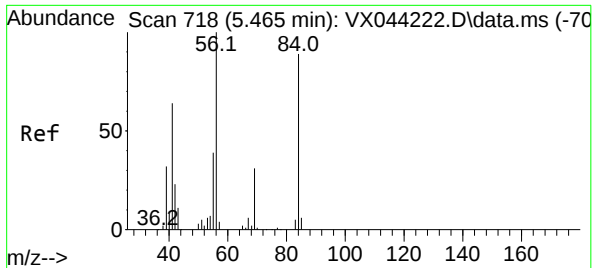
Tgt Ion: 49 Resp: 529
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 0.0 62.1 93.1#



#30
Chloroform
Concen: 1.664 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044392.D
Acq: 18 Dec 2024 18:42

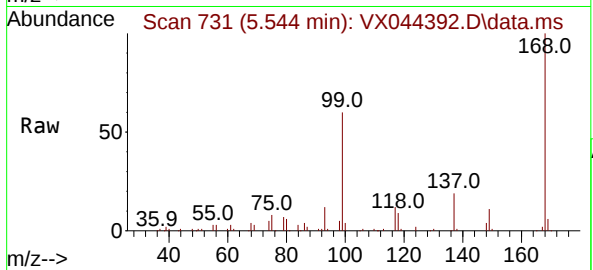
Tgt Ion: 83 Resp: 5081
Ion Ratio Lower Upper
83 100
85 60.8 51.6 77.4



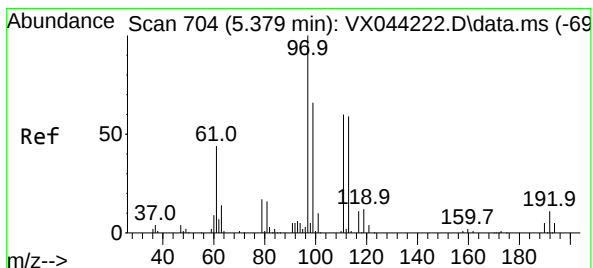
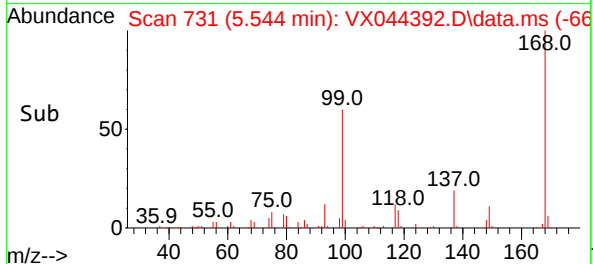
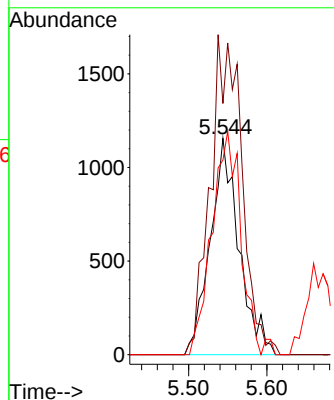


#31
Cyclohexane
Concen: 1.340 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX044392.D
Acq: 18 Dec 2024 18:42

Instrument :
MSVOA_X
ClientSampleId :

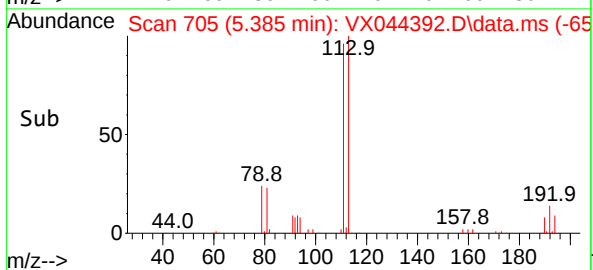
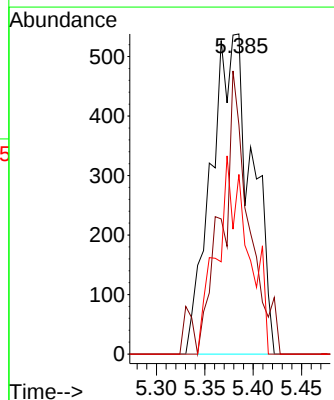
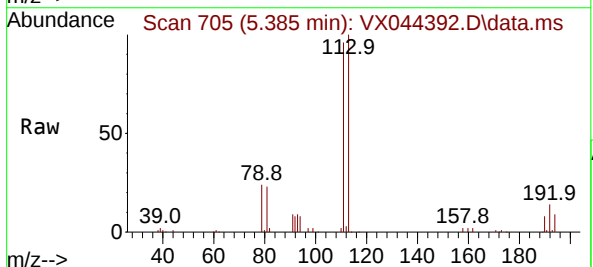


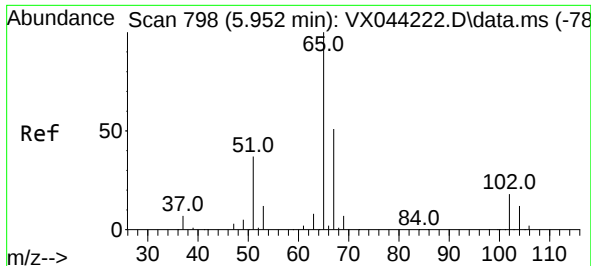
Tgt Ion: 56 Resp: 2941
Ion Ratio Lower Upper
56 100
69 116.2 24.7 37.1#
84 101.9 71.0 106.6



#32
1,1,1-Trichloroethane
Concen: 0.626 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX044392.D
Acq: 18 Dec 2024 18:42

Tgt Ion: 97 Resp: 1587
Ion Ratio Lower Upper
97 100
99 0.0 50.8 76.2#
61 47.2 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 42.978 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX044392.D

Acq: 18 Dec 2024 18:42

Instrument :

MSVOA_X

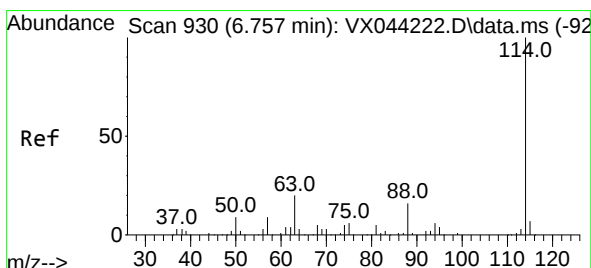
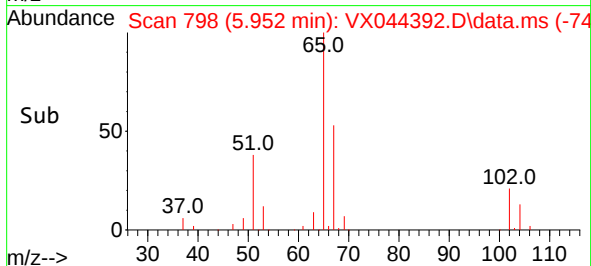
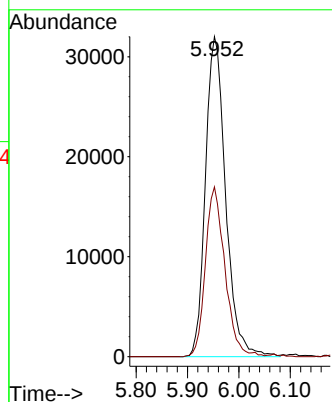
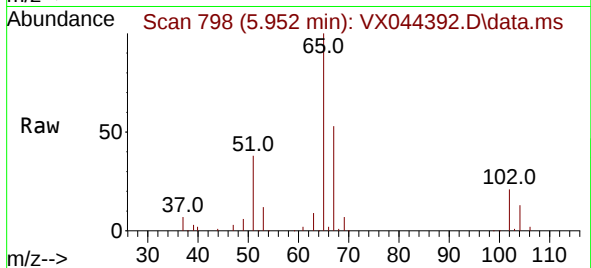
ClientSampleId :

Tgt Ion: 65 Resp: 87364

Ion Ratio Lower Upper

65 100

67 51.3 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044392.D

Acq: 18 Dec 2024 18:42

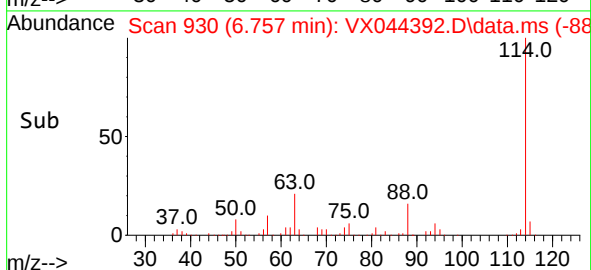
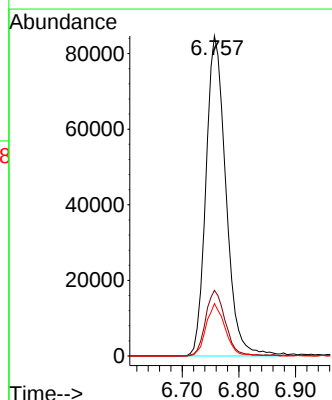
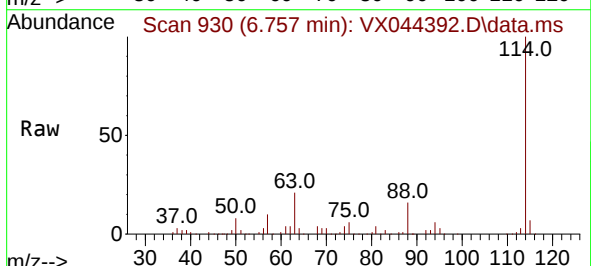
Tgt Ion: 114 Resp: 206968

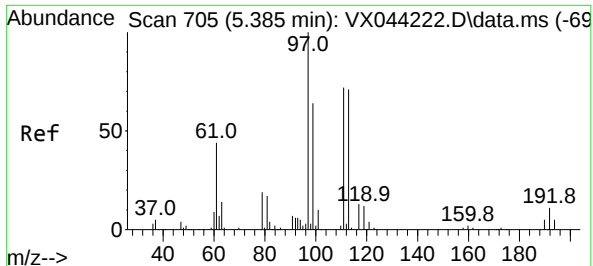
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.6

88 16.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 46.906 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

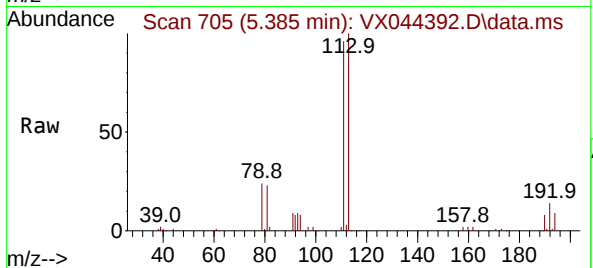
Lab File: VX044392.D

Acq: 18 Dec 2024 18:42

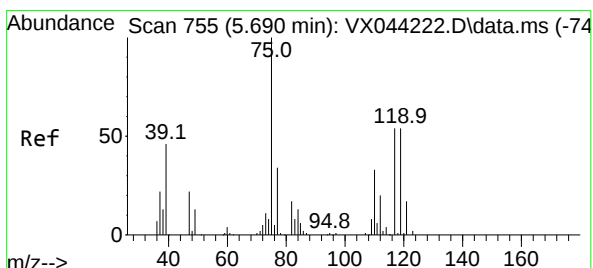
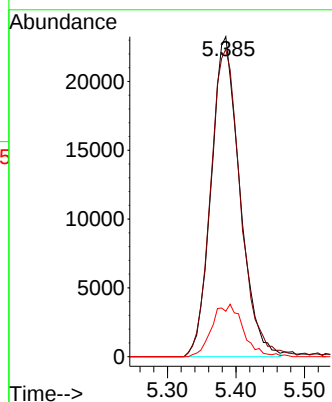
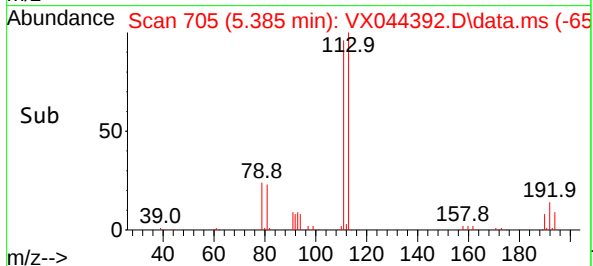
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	113	Resp:	67237
Ion	Ratio	Lower	Upper
113	100		
111	100.5	80.4	120.6
192	8.8	13.3	19.9#



#36

1,1-Dichloropropene

Concen: 5.312 ug/l

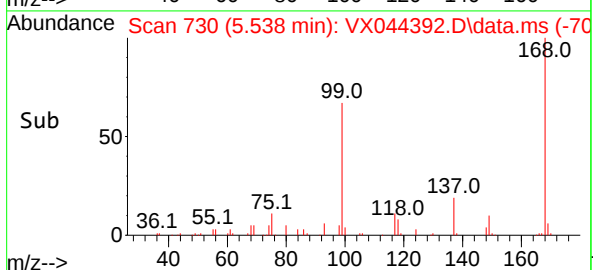
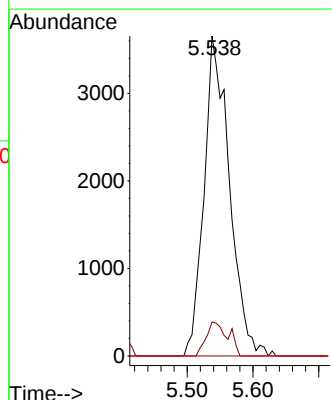
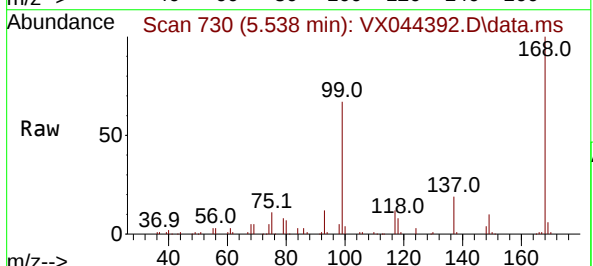
RT: 5.538 min Scan# 730

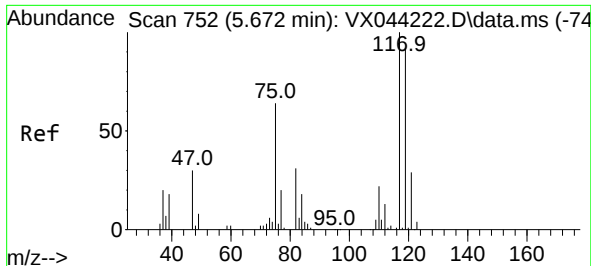
Delta R.T. -0.152 min

Lab File: VX044392.D

Acq: 18 Dec 2024 18:42

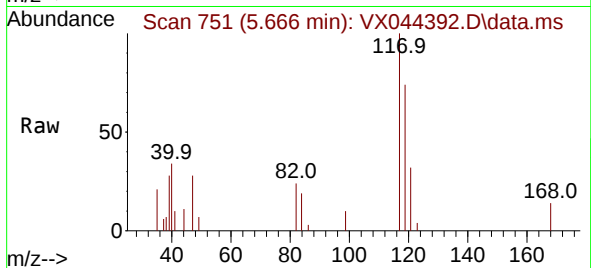
Tgt Ion:	75	Resp:	9843
Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.3	51.7#
77	0.0	25.4	38.0#



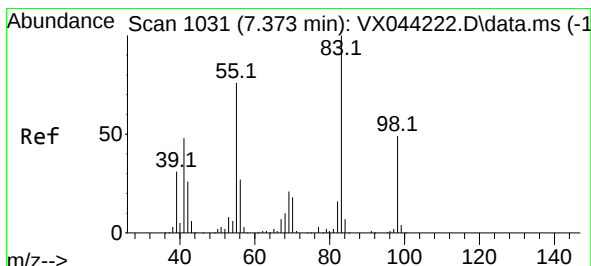
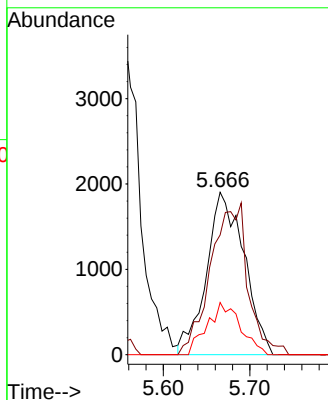
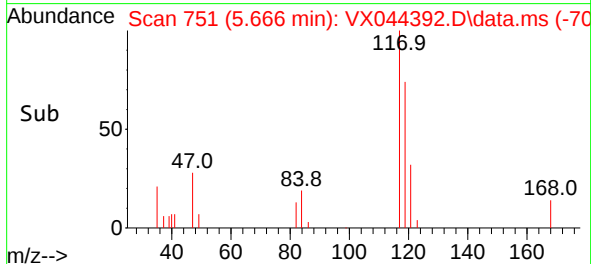


#38
Carbon Tetrachloride
Concen: 2.885 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044392.D
Acq: 18 Dec 2024 18:42

Instrument :
MSVOA_X
ClientSampleId :

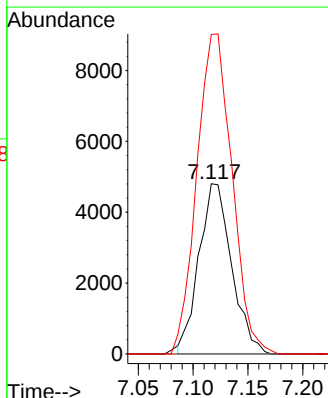
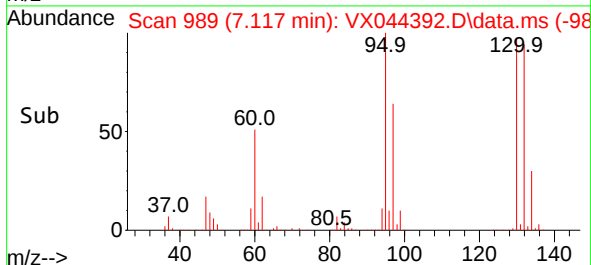
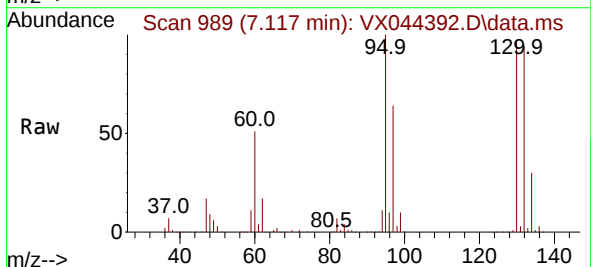


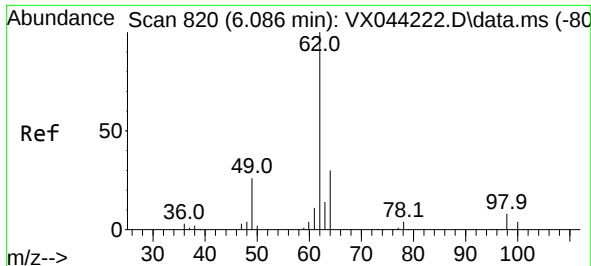
Tgt Ion:117 Resp: 5756
Ion Ratio Lower Upper
117 100
119 73.8 74.2 111.4#
121 32.1 23.0 34.6



#39
Methylcyclohexane
Concen: 4.495 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.256 min
Lab File: VX044392.D
Acq: 18 Dec 2024 18:42

Tgt Ion: 83 Resp: 9957
Ion Ratio Lower Upper
83 100
55 0.0 60.7 91.1#
98 187.7 38.9 58.3#





#42

1,2-Dichloroethane

Concen: 0.206 ug/l

RT: 6.092 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX044392.D

Acq: 18 Dec 2024 18:42

Instrument :

MSVOA_X

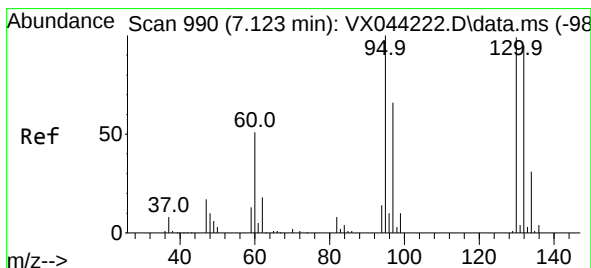
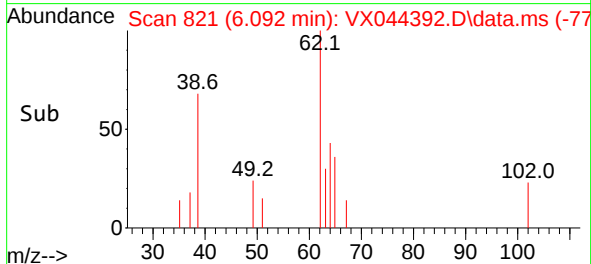
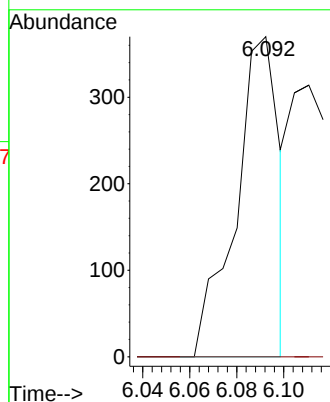
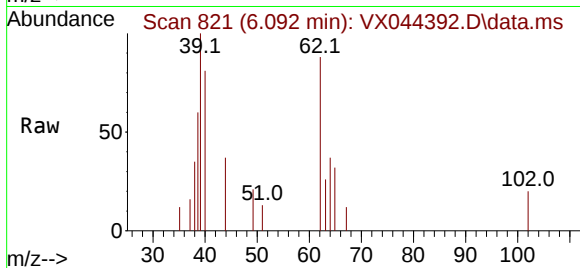
ClientSampleId :

Tgt Ion: 62 Resp: 477

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#44

Trichloroethene

Concen: 540.040 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX044392.D

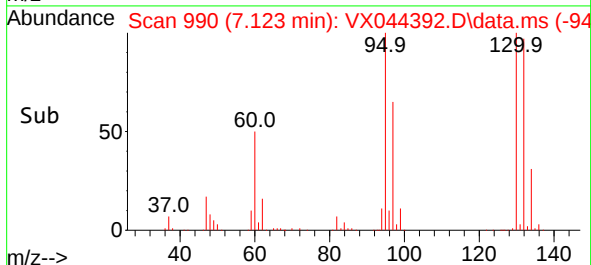
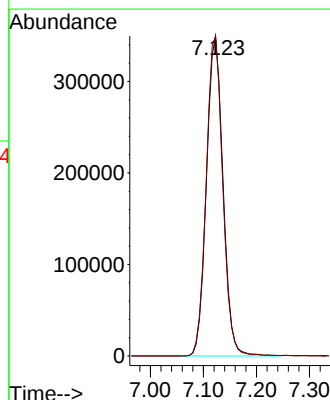
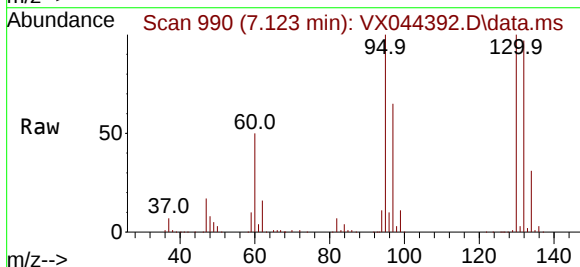
Acq: 18 Dec 2024 18:42

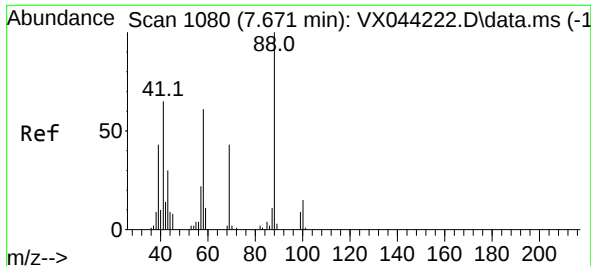
Tgt Ion:130 Resp: 757632

Ion Ratio Lower Upper

130 100

95 100.1 0.0 201.4





#49

1,4-Dioxane

Concen: 11.488 ug/l

RT: 7.690 min Scan# 1080

Delta R.T. 0.018 min

Lab File: VX044392.D

Acq: 18 Dec 2024 18:42

Instrument :

MSVOA_X

ClientSampleId :

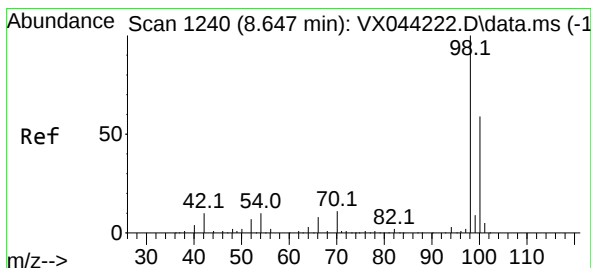
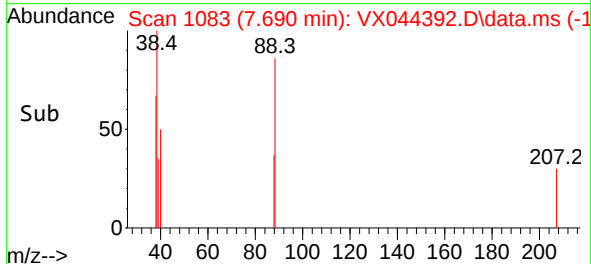
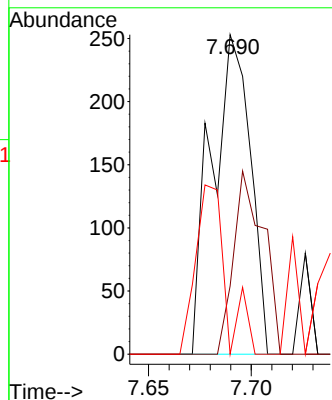
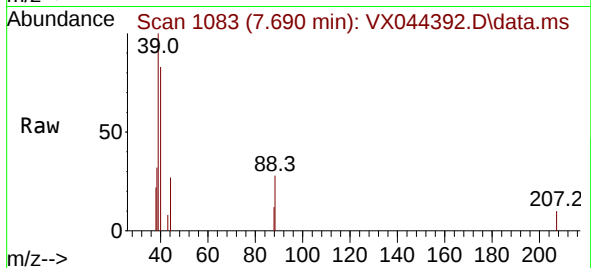
Tgt Ion: 88 Resp: 331

Ion Ratio Lower Upper

88 100

43 44.1 27.1 40.7#

58 41.1 41.0 61.4



#50

Toluene-d8

Concen: 50.586 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX044392.D

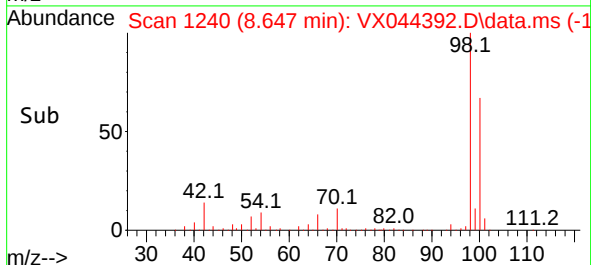
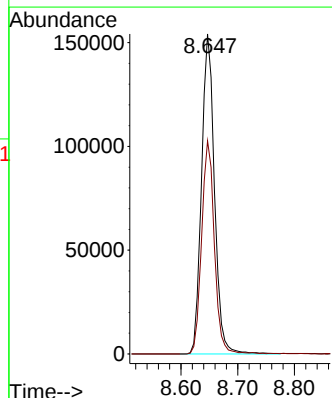
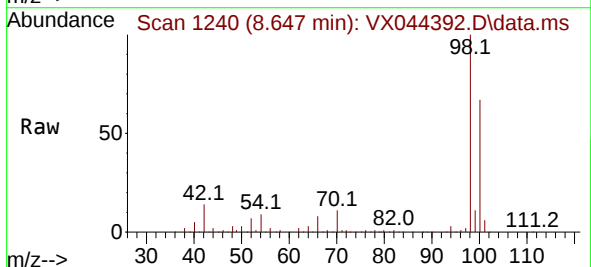
Acq: 18 Dec 2024 18:42

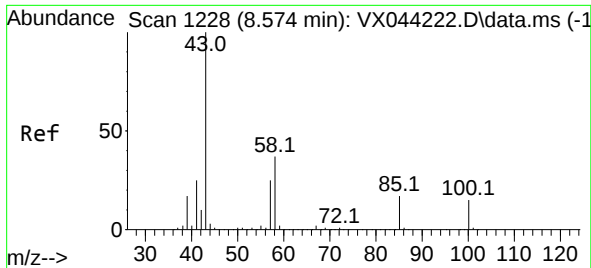
Tgt Ion: 98 Resp: 244633

Ion Ratio Lower Upper

98 100

100 65.5 51.5 77.3

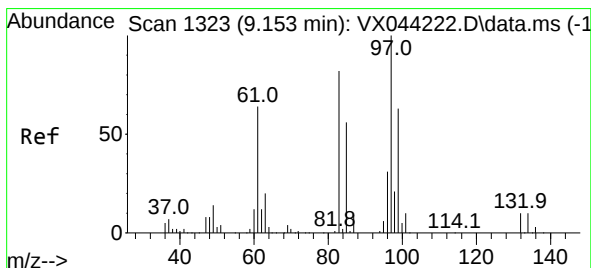
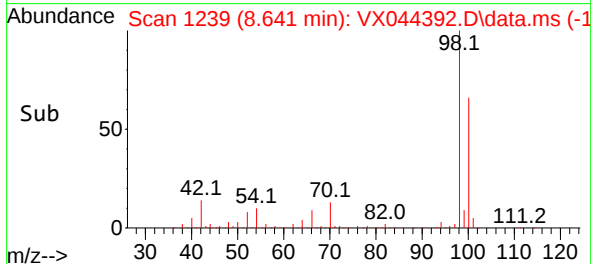
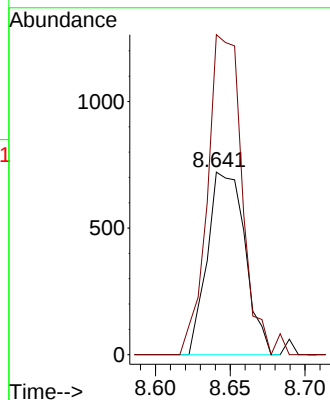
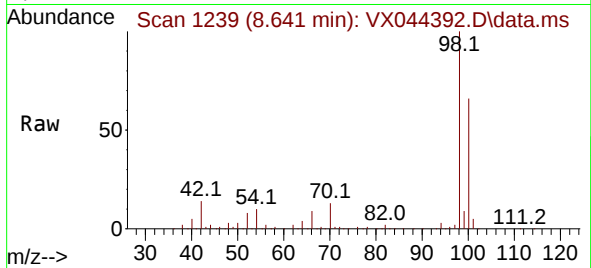




#51
4-Methyl-2-Pentanone
Concen: 0.547 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX044392.D
Acq: 18 Dec 2024 18:42

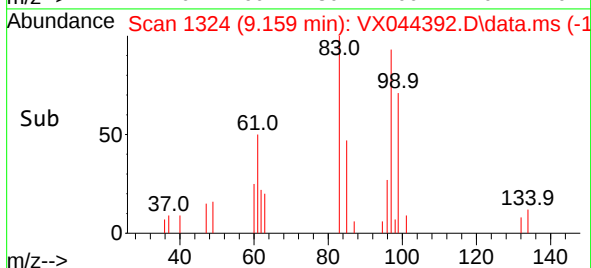
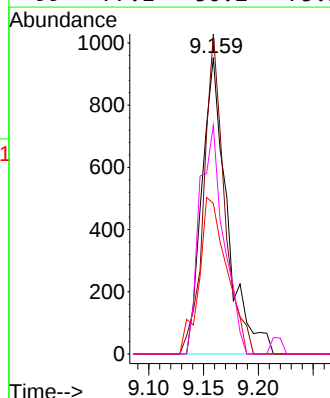
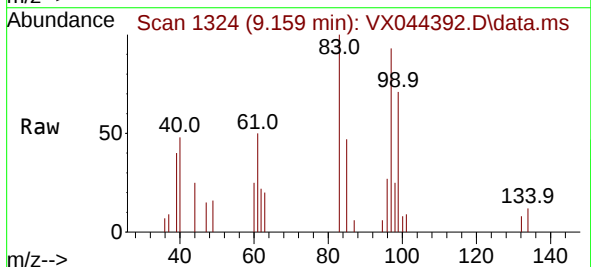
Instrument :
MSVOA_X
ClientSampleId :

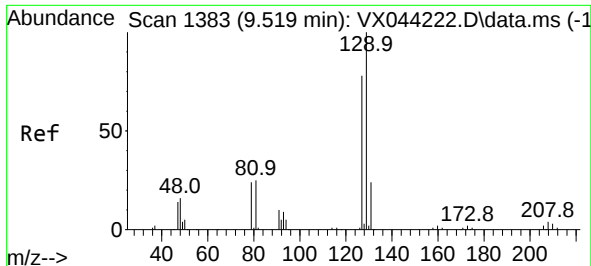
Tgt Ion: 43 Resp: 1260
Ion Ratio Lower Upper
43 100
58 162.2 29.4 44.0#



#55
1,1,2-Trichloroethane
Concen: 1.089 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX044392.D
Acq: 18 Dec 2024 18:42

Tgt Ion: 97 Resp: 1528
Ion Ratio Lower Upper
97 100
83 108.0 65.3 97.9#
85 50.8 44.6 67.0
99 77.1 50.2 75.2#

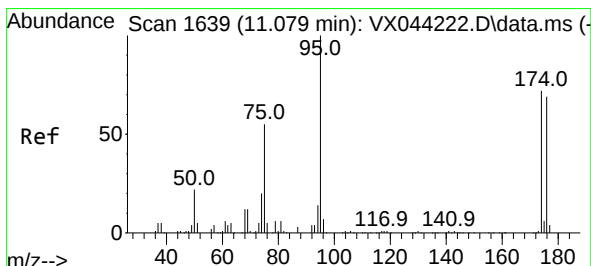
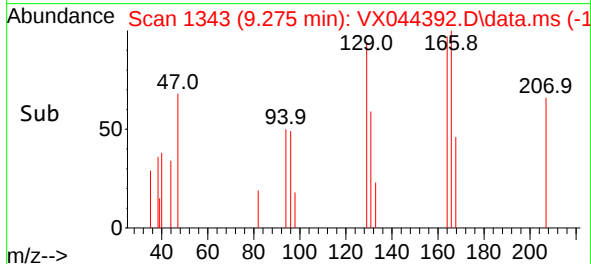
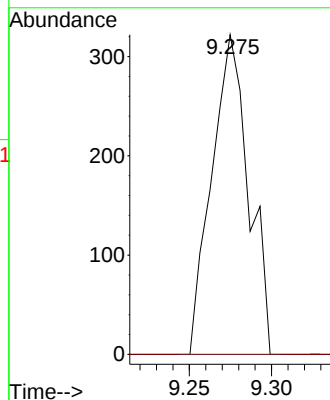
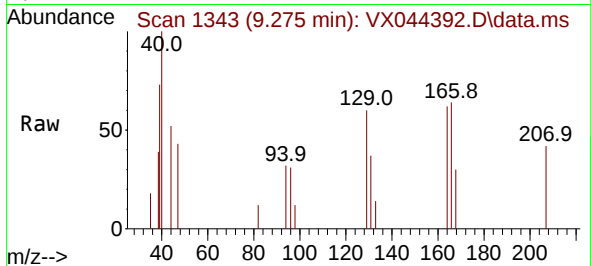




#60
Dibromochloromethane
Concen: 1.577 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX044392.D
Acq: 18 Dec 2024 18:42

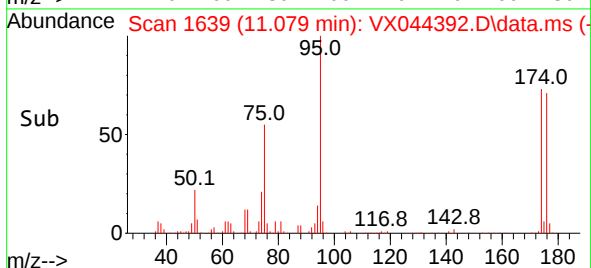
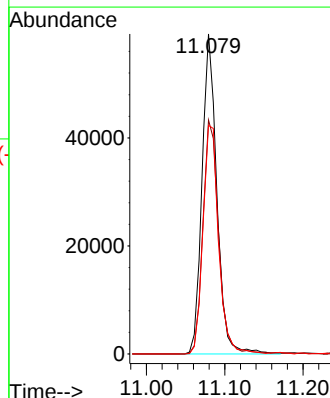
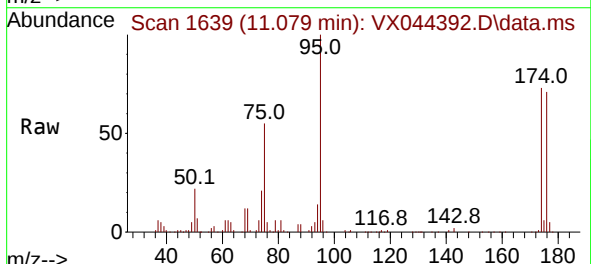
Instrument :
MSVOA_X
ClientSampleId :

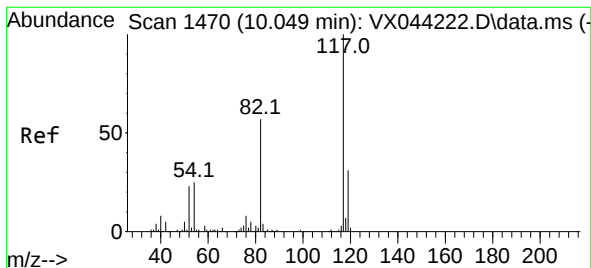
Tgt Ion:129 Resp: 504
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 46.037 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044392.D
Acq: 18 Dec 2024 18:42

Tgt Ion: 95 Resp: 77794
Ion Ratio Lower Upper
95 100
174 77.1 0.0 145.8
176 75.6 0.0 137.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX044392.D

Acq: 18 Dec 2024 18:42

Instrument :

MSVOA_X

ClientSampleId :

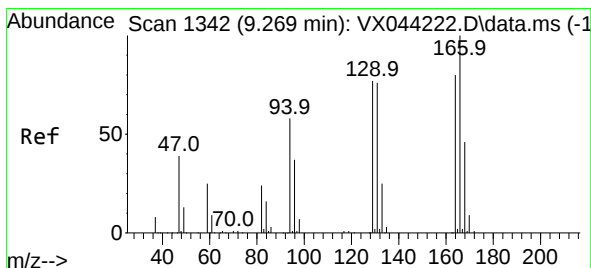
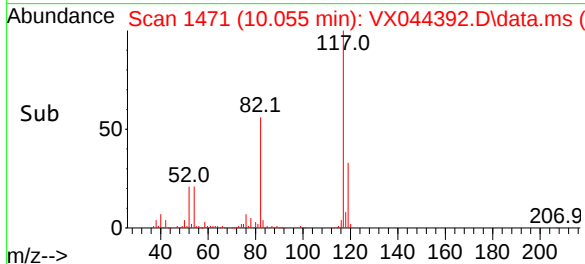
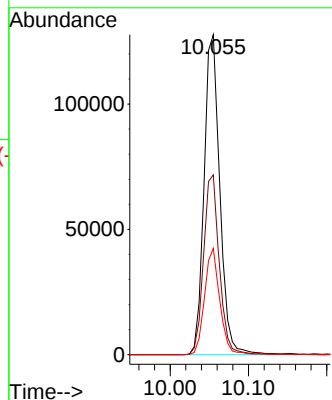
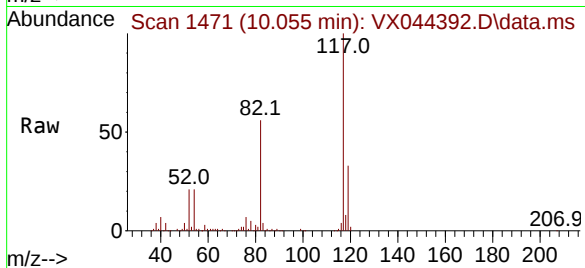
Tgt Ion:117 Resp: 178386

Ion Ratio Lower Upper

117 100

82 56.2 45.8 68.8

119 33.3 25.0 37.4



#64

Tetrachloroethene

Concen: 0.448 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. 0.012 min

Lab File: VX044392.D

Acq: 18 Dec 2024 18:42

Tgt Ion:164 Resp: 530

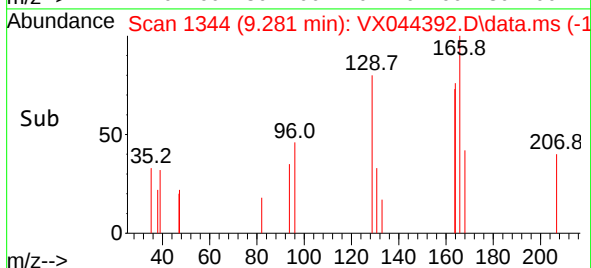
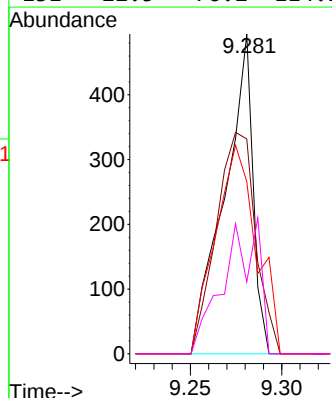
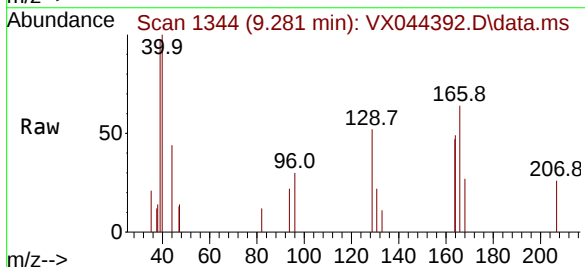
Ion Ratio Lower Upper

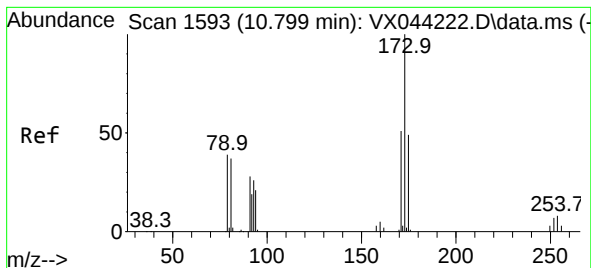
164 100

166 67.2 100.4 150.6#

129 53.8 77.2 115.8#

131 22.5 76.2 114.2#





#71

Bromoform

Concen: 1.263 ug/l

RT: 10.805 min Scan# 1

Delta R.T. 0.006 min

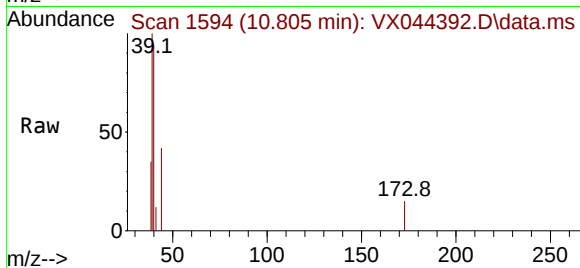
Lab File: VX044392.D

Acq: 18 Dec 2024 18:42

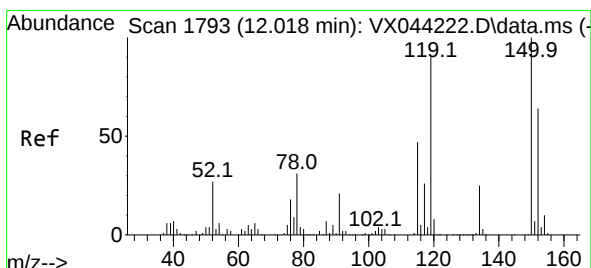
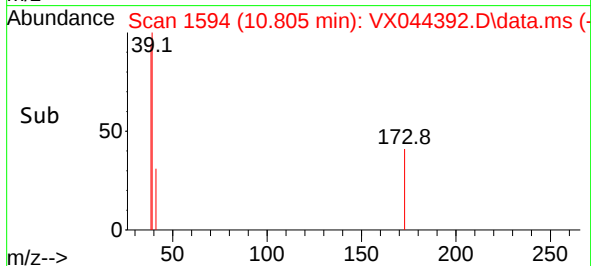
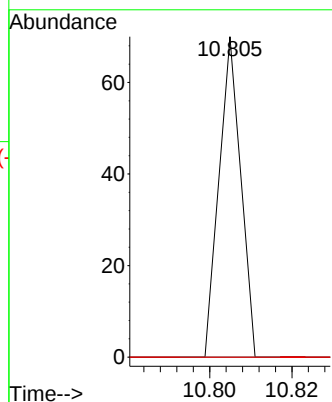
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	173	Resp:	26
Ion Ratio	Lower	Upper	
173	100		
175	0.0	23.8	71.4#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

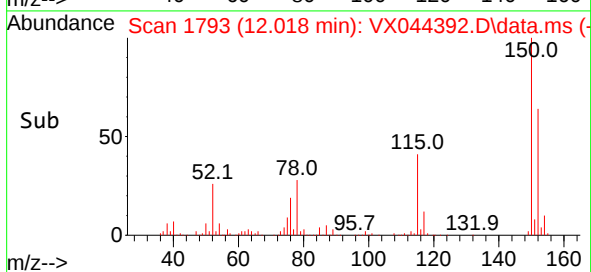
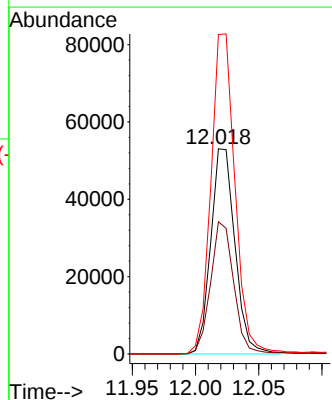
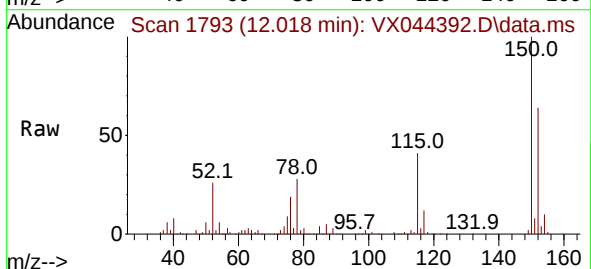
RT: 12.018 min Scan# 1793

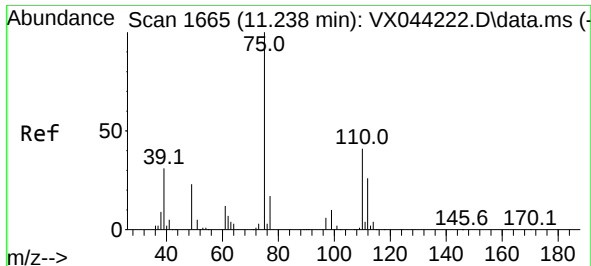
Delta R.T. -0.000 min

Lab File: VX044392.D

Acq: 18 Dec 2024 18:42

Tgt Ion:	152	Resp:	70750
Ion Ratio	Lower	Upper	
152	100		
115	61.9	44.5	133.3
150	155.1	0.0	353.8

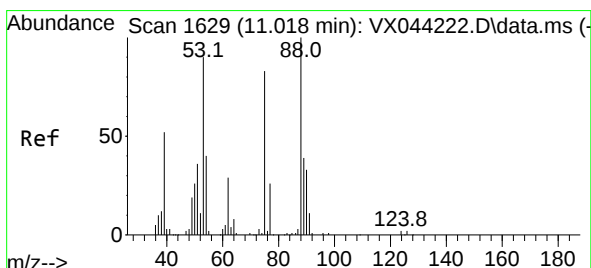
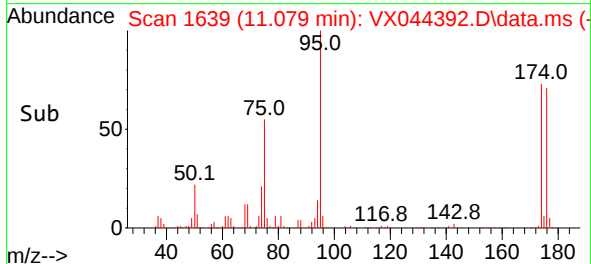
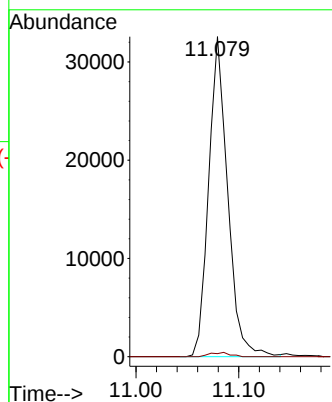
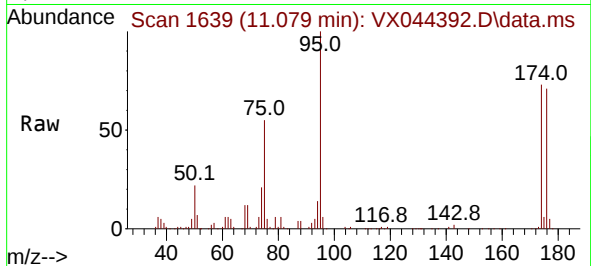




#76
1,2,3-Trichloropropane
Concen: 26.523 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044392.D
Acq: 18 Dec 2024 18:42

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 41897
Ion Ratio Lower Upper
75 100
77 1.4 20.9 62.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.099 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044392.D
Acq: 18 Dec 2024 18:42

Tgt Ion: 75 Resp: 41897
Ion Ratio Lower Upper
75 100
53 0.0 93.6 140.4#
89 0.1 37.3 55.9#

