

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
 Data File : VX044546.D
 Acq On : 30 Dec 2024 16:08
 Operator : JC/MD
 Sample : P5376-03 40X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D2-20241218

Quant Time: Dec 31 00:31:35 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)

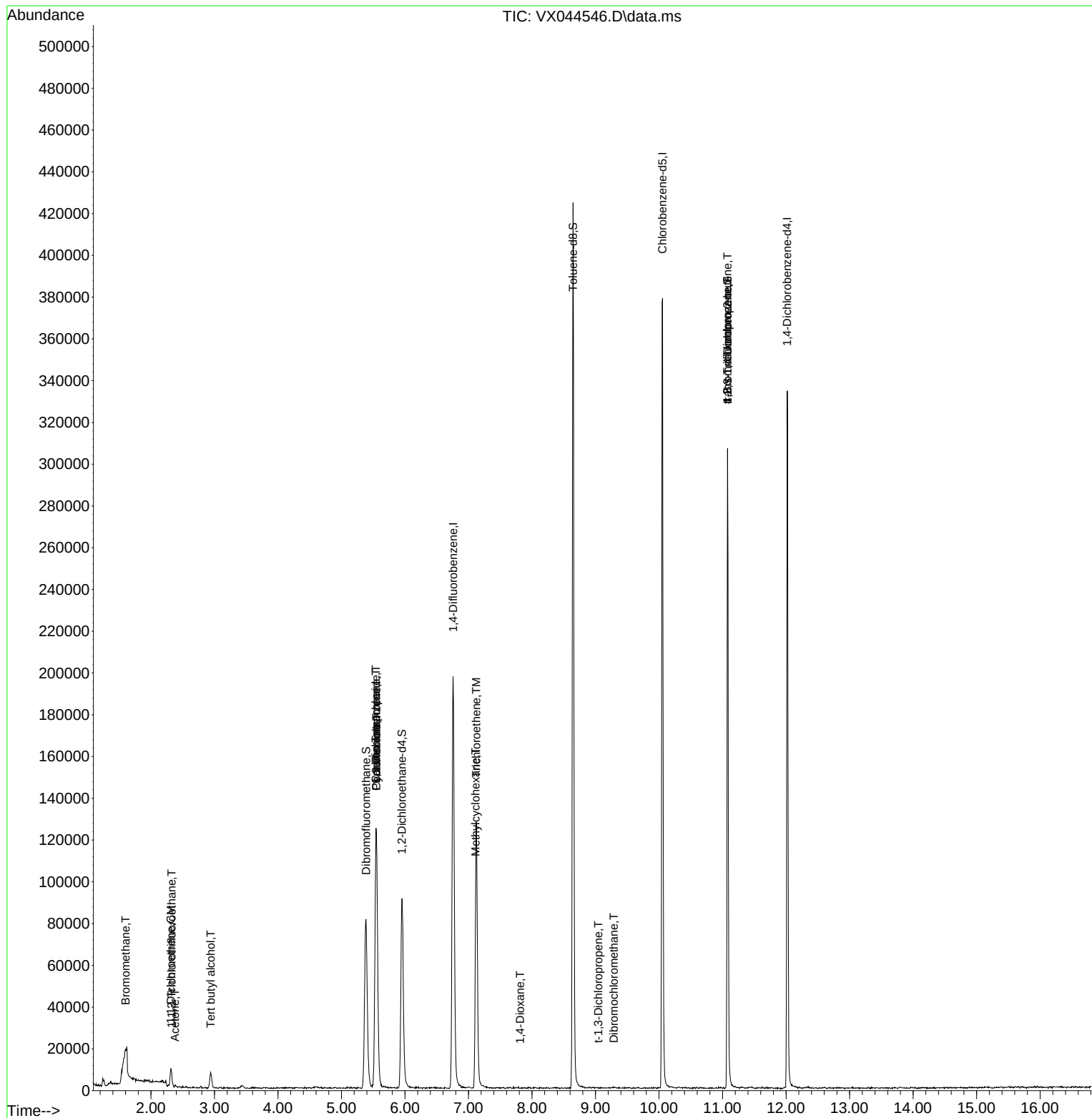
Internal Standards						
1) Pentafluorobenzene	5.550	168	118700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	207183	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	174651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70024	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	90093	43.289	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.580%
35) Dibromofluoromethane	5.385	113	71762	50.011	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.020%
50) Toluene-d8	8.647	98	248901	51.415	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.820%
62) 4-Bromofluorobenzene	11.079	95	78918	46.653	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.300%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	470	0.362	ug/l #	78
9) 1,1,2-Trichlorotrifluo...	2.325	101	2021	1.395	ug/l	95
11) Tert butyl alcohol	2.940	59	4043	13.784	ug/l #	72
12) 1,1-Dichloroethene	2.313	96	1370	1.030	ug/l	88
16) Acetone	2.380	43	614	0.724	ug/l #	79
31) Cyclohexane	5.550	56	2791	1.243	ug/l #	37
36) 1,1-Dichloropropene	5.544	75	9818	5.293	ug/l #	49
38) Carbon Tetrachloride	5.544	117	12666	6.343	ug/l #	17
39) Methylcyclohexane	7.110	83	712	0.321	ug/l #	1
44) Trichloroethene	7.123	130	50899	36.243	ug/l	97
49) 1,4-Dioxane	7.812	88	20	0.693	ug/l #	32
53) t-1,3-Dichloropropene	9.043	75	31	1.011	ug/l #	41
60) Dibromochloromethane	9.287	129	21	1.246	ug/l #	11
76) 1,2,3-Trichloropropane	11.079	75	42067	26.906	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	42067	74.076	ug/l #	4

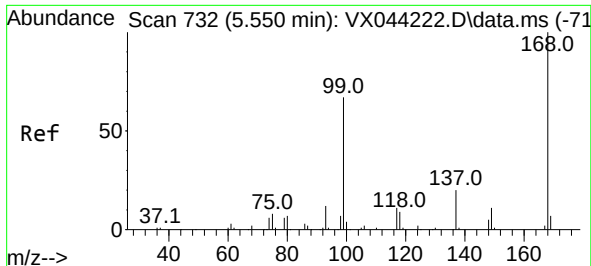
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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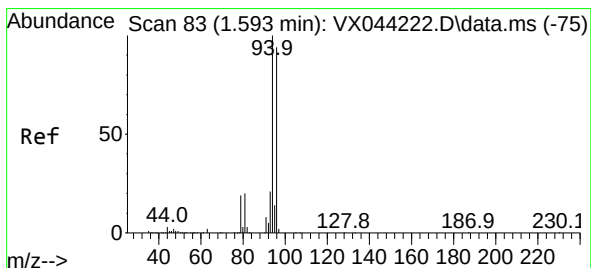
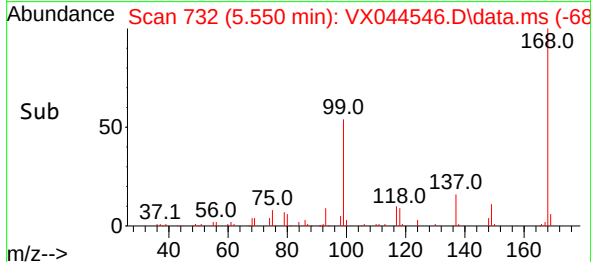
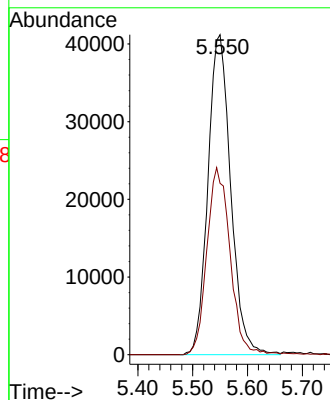
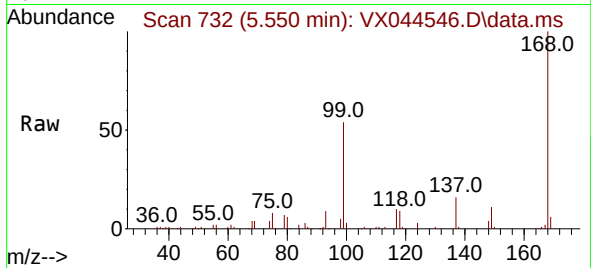




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

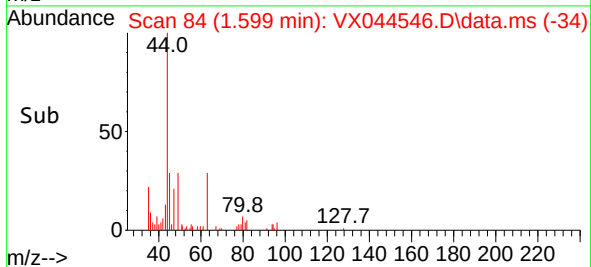
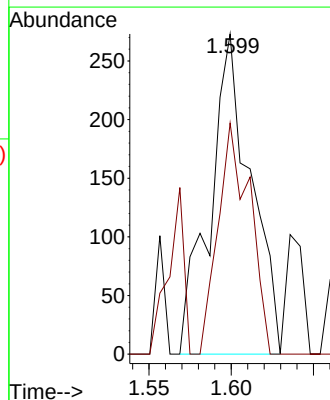
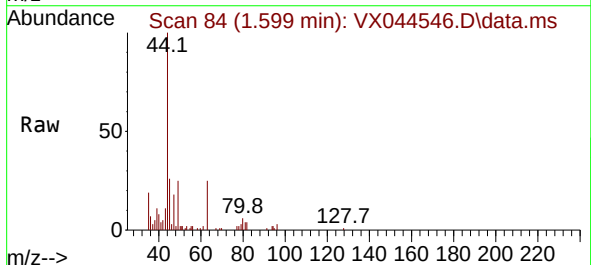
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20241218

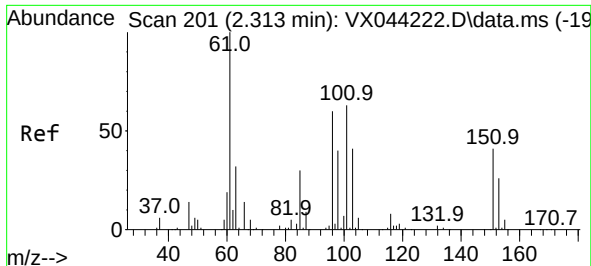
Tgt Ion:168 Resp: 118700
Ion Ratio Lower Upper
168 100
99 53.5 53.4 80.0



#5
Bromomethane
Concen: 0.362 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

Tgt Ion: 94 Resp: 470
Ion Ratio Lower Upper
94 100
96 72.2 74.9 112.3#

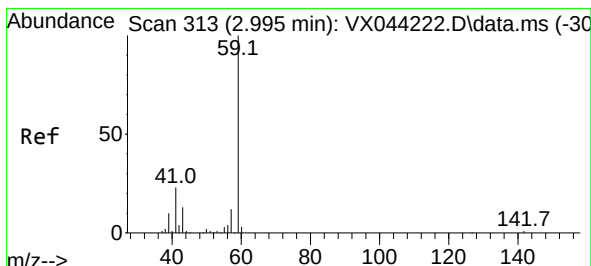
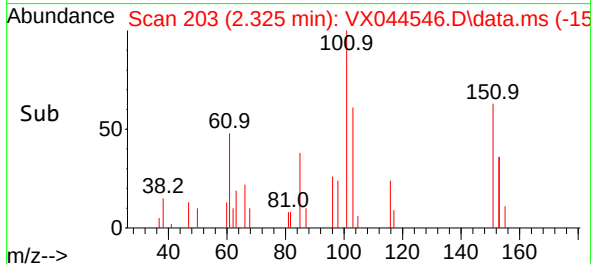
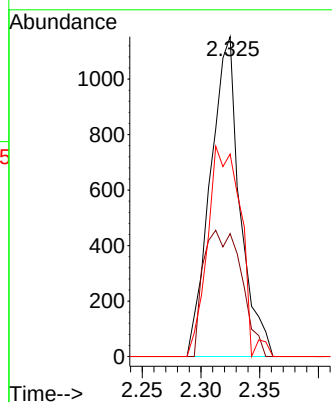
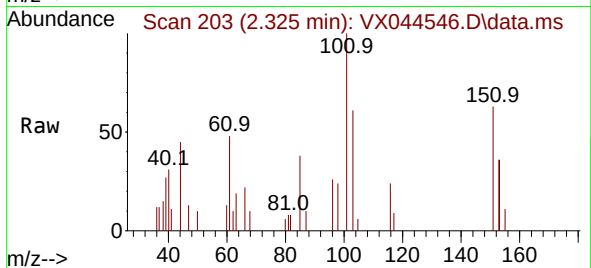




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.395 ug/l
RT: 2.325 min Scan# 201
Delta R.T. 0.012 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

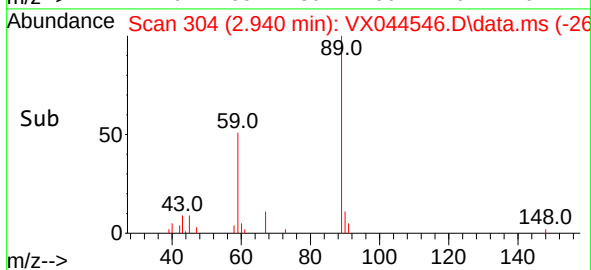
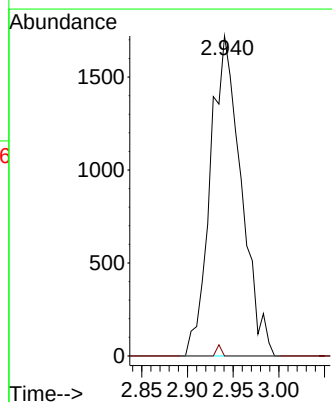
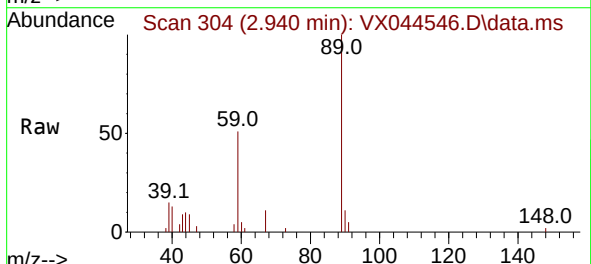
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20241218

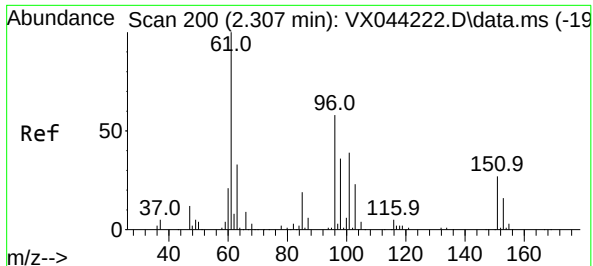
Tgt Ion:101 Resp: 2021
Ion Ratio Lower Upper
101 100
85 51.0 38.5 57.7
151 74.0 55.8 83.6



#11
Tert butyl alcohol
Concen: 13.784 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

Tgt Ion: 59 Resp: 4043
Ion Ratio Lower Upper
59 100
57 0.5 8.8 13.2#





#12

1,1-Dichloroethene

Concen: 1.030 ug/l

RT: 2.313 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX044546.D

Acq: 30 Dec 2024 16:08

Instrument :

MSVOA_X

ClientSampleId :

RE115D2-20241218

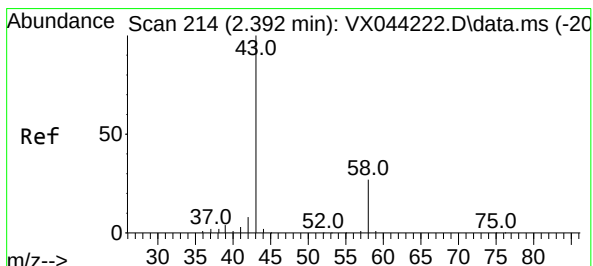
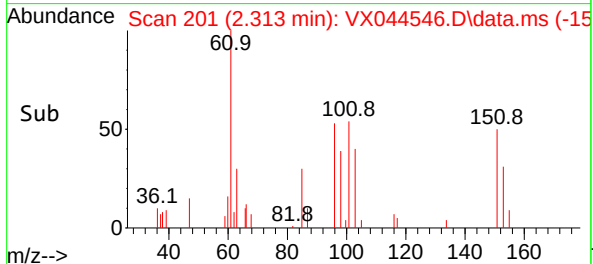
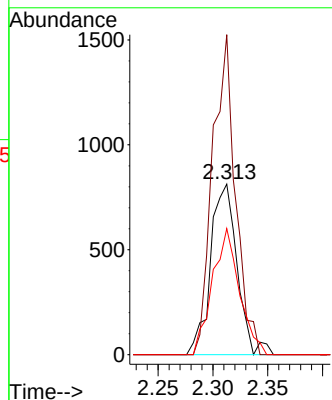
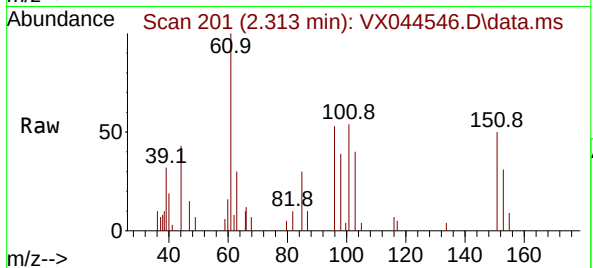
Tgt Ion: 96 Resp: 1370

Ion Ratio Lower Upper

96 100

61 187.6 138.0 207.0

98 73.9 50.0 75.0



#16

Acetone

Concen: 0.724 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.012 min

Lab File: VX044546.D

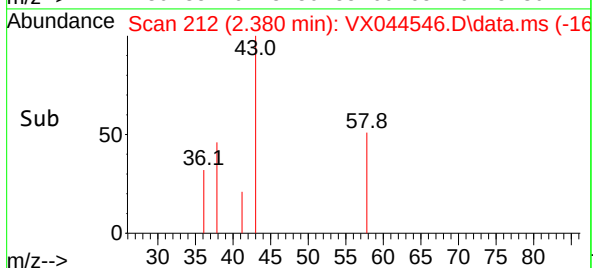
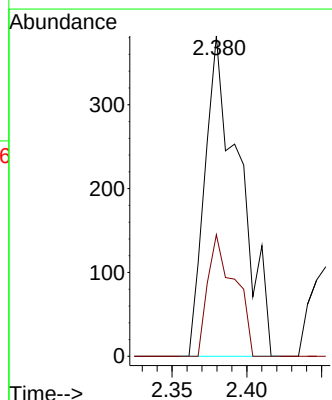
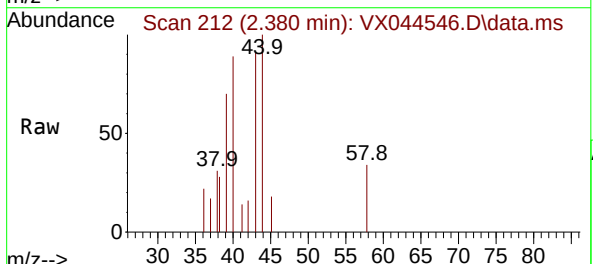
Acq: 30 Dec 2024 16:08

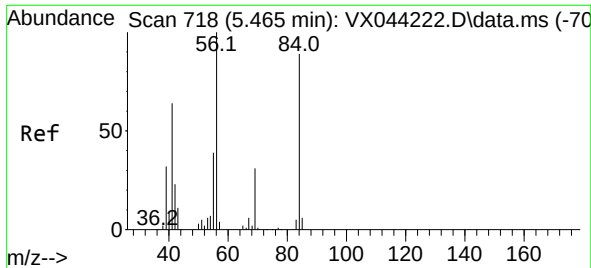
Tgt Ion: 43 Resp: 614

Ion Ratio Lower Upper

43 100

58 38.0 21.6 32.4#

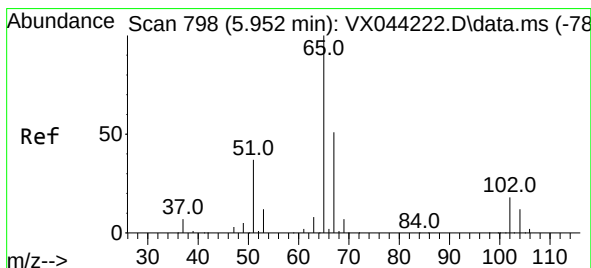
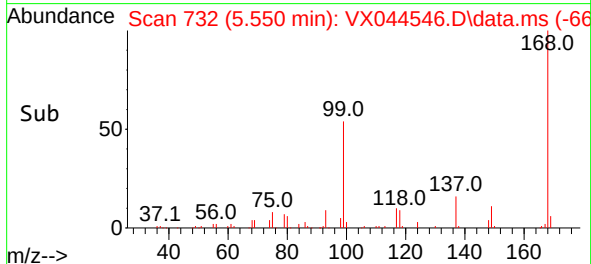
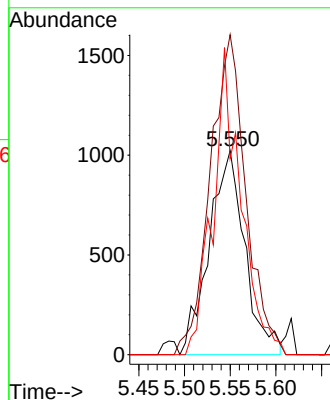
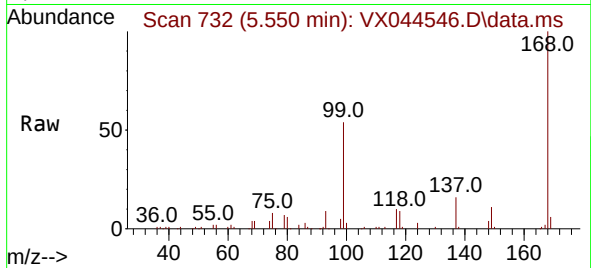




#31
Cyclohexane
Concen: 1.243 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

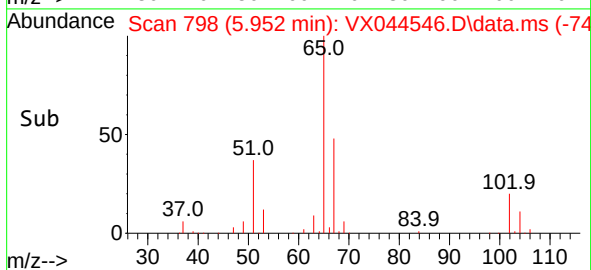
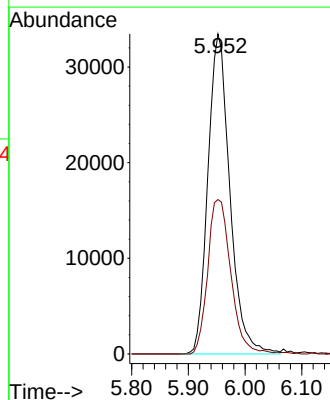
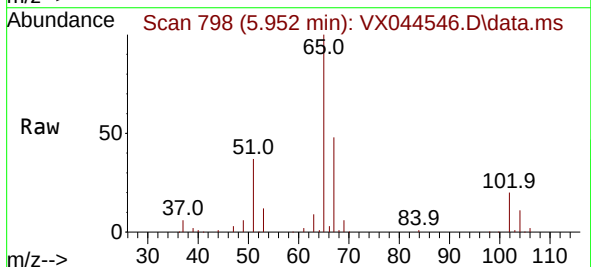
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20241218

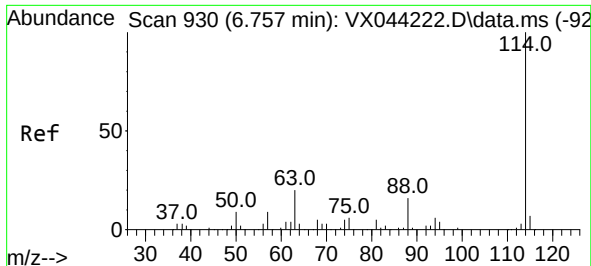
Tgt Ion: 56 Resp: 2791
Ion Ratio Lower Upper
56 100
69 151.7 24.7 37.1#
84 96.1 71.0 106.6



#33
1,2-Dichloroethane-d4
Concen: 43.289 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

Tgt Ion: 65 Resp: 90093
Ion Ratio Lower Upper
65 100
67 51.0 0.0 101.6

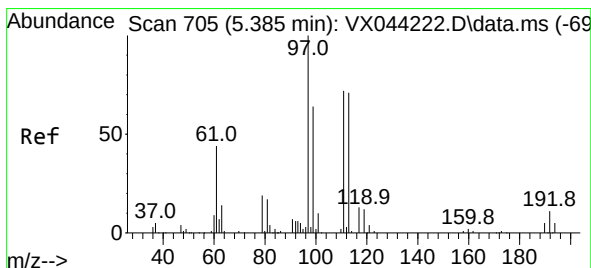
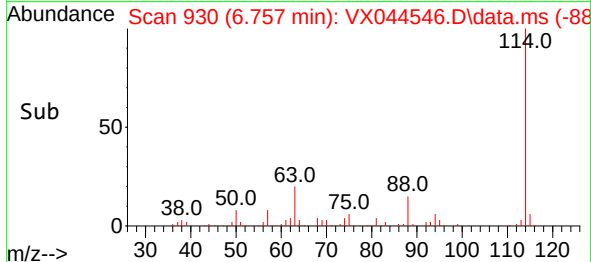
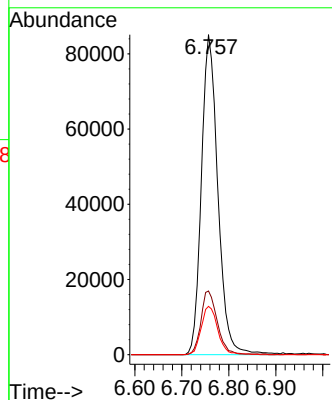
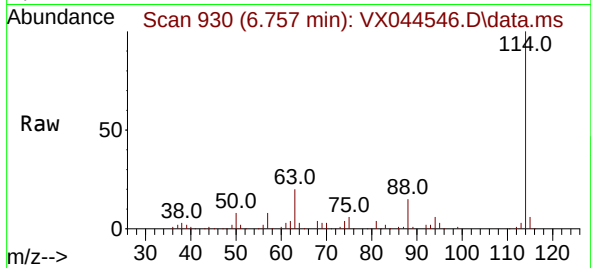




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

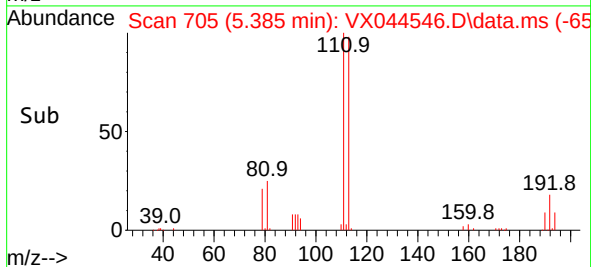
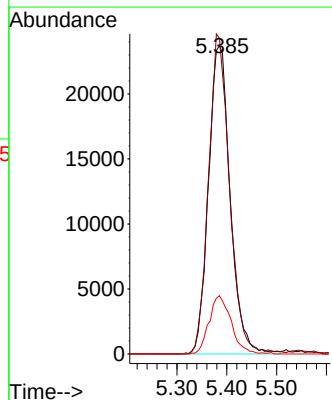
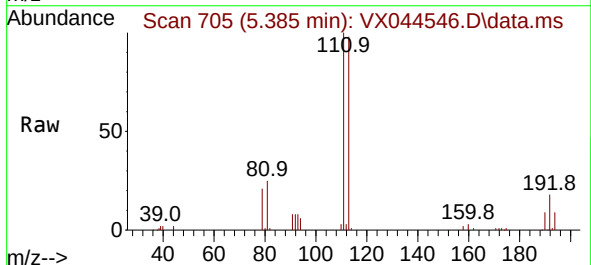
Instrument :
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ClientSampleId :
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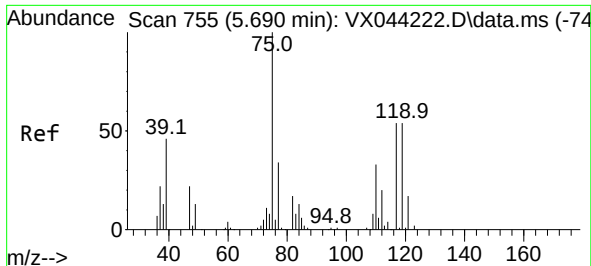
Tgt Ion:114 Resp: 207183
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.6
88 15.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 50.011 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

Tgt Ion:113 Resp: 71762
Ion Ratio Lower Upper
113 100
111 100.7 80.4 120.6
192 19.3 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.293 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX044546.D

Acq: 30 Dec 2024 16:08

Instrument :

MSVOA_X

ClientSampleId :

RE115D2-20241218

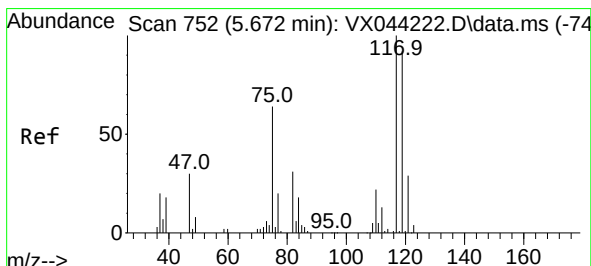
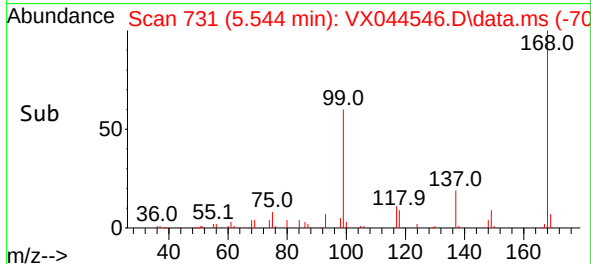
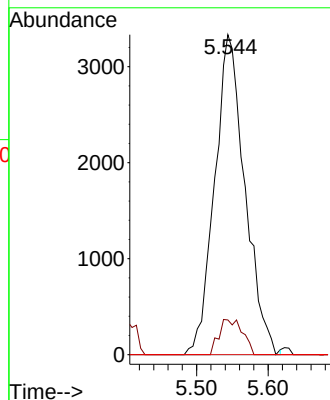
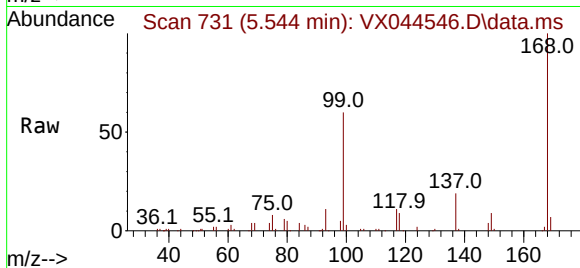
Tgt Ion: 75 Resp: 9818

Ion Ratio Lower Upper

75 100

110 8.6 17.3 51.7#

77 0.0 25.4 38.0#



#38

Carbon Tetrachloride

Concen: 6.343 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX044546.D

Acq: 30 Dec 2024 16:08

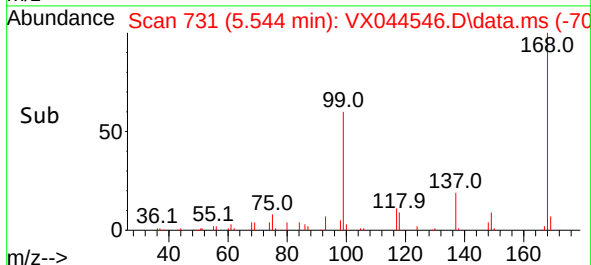
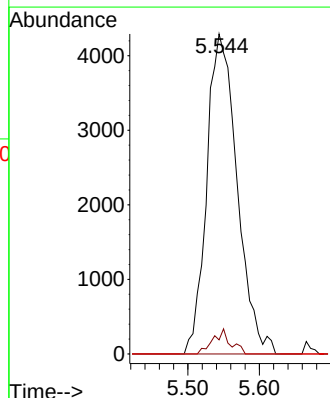
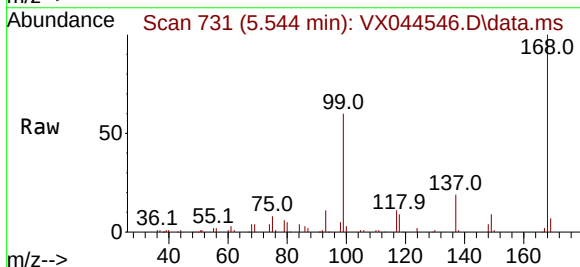
Tgt Ion: 117 Resp: 12666

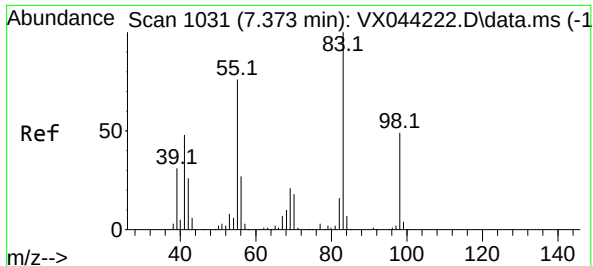
Ion Ratio Lower Upper

117 100

119 4.4 74.2 111.4#

121 0.0 23.0 34.6#





#39

Methylcyclohexane

Concen: 0.321 ug/l

RT: 7.110 min Scan# 91

Delta R.T. -0.262 min

Lab File: VX044546.D

Acq: 30 Dec 2024 16:08

Instrument :

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ClientSampleId :

RE115D2-20241218

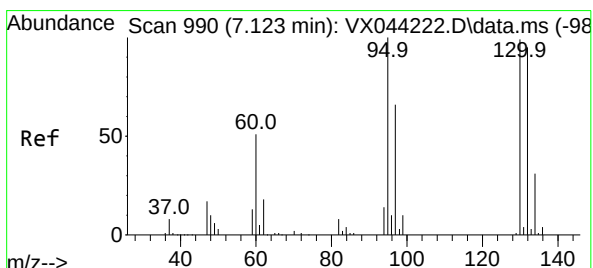
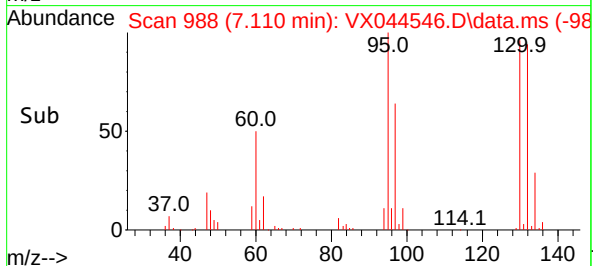
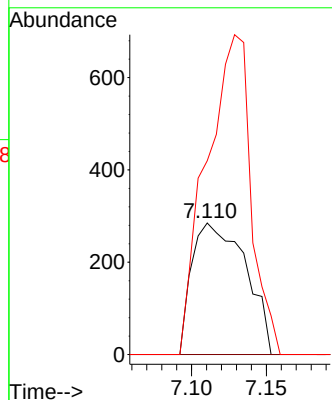
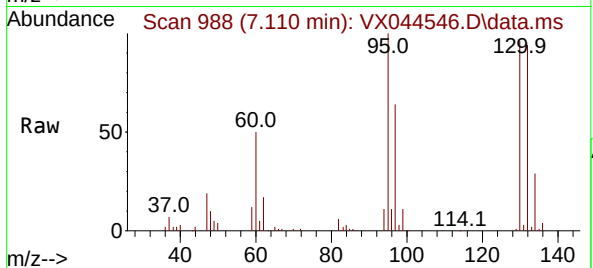
Tgt Ion: 83 Resp: 712

Ion Ratio Lower Upper

83 100

55 0.0 60.7 91.1#

98 147.4 38.9 58.3#



#44

Trichloroethene

Concen: 36.243 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX044546.D

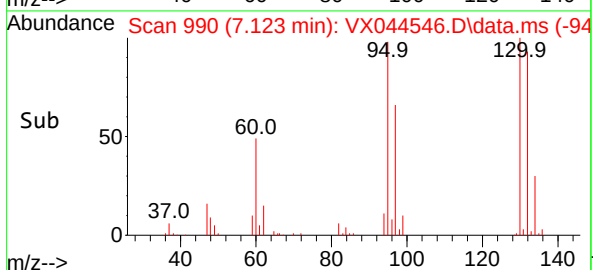
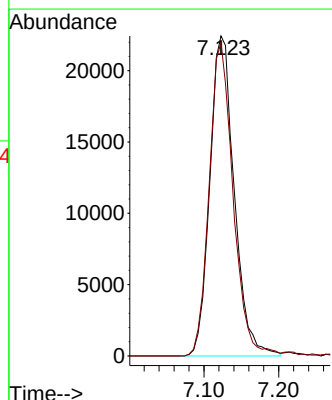
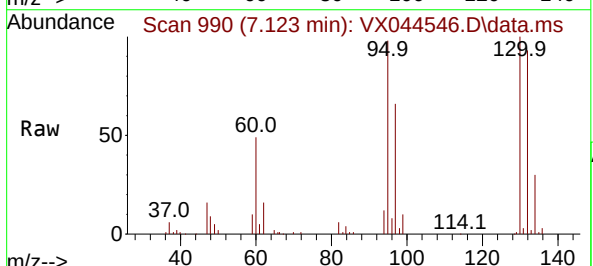
Acq: 30 Dec 2024 16:08

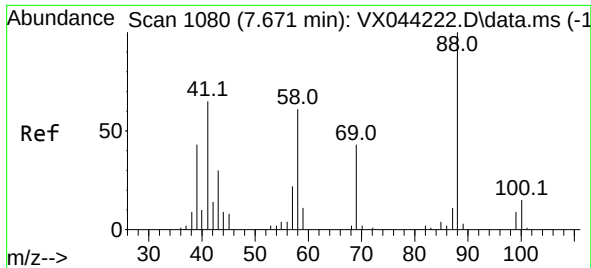
Tgt Ion:130 Resp: 50899

Ion Ratio Lower Upper

130 100

95 98.0 0.0 201.4

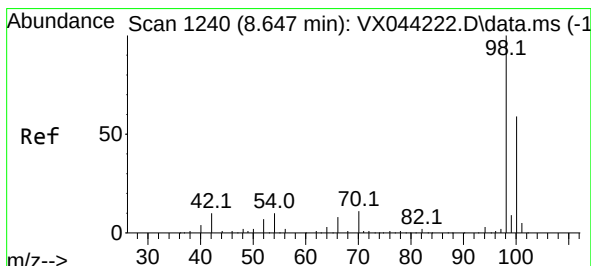
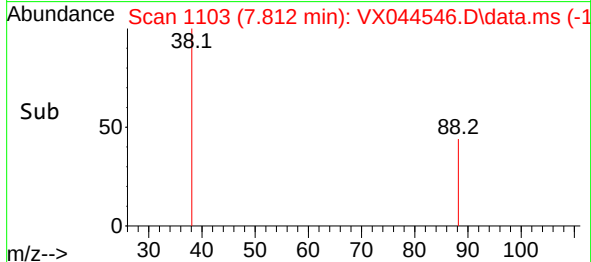
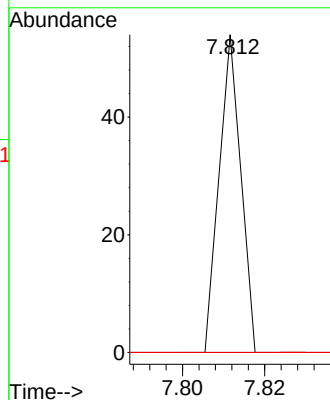
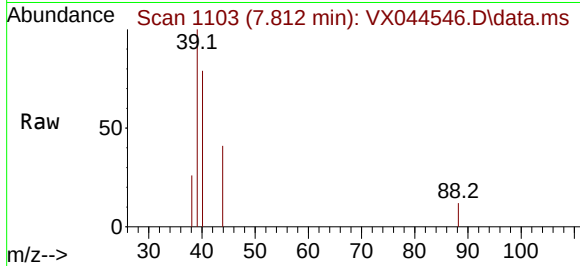




#49
1,4-Dioxane
Concen: 0.693 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. 0.140 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

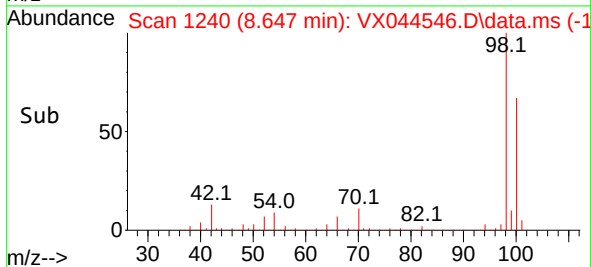
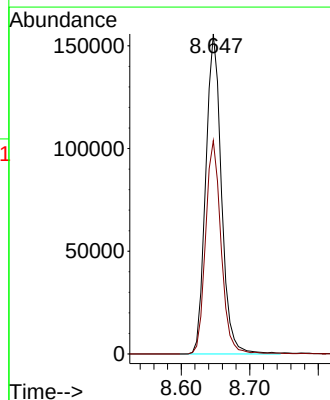
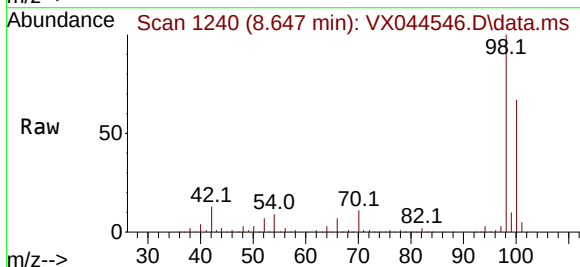
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20241218

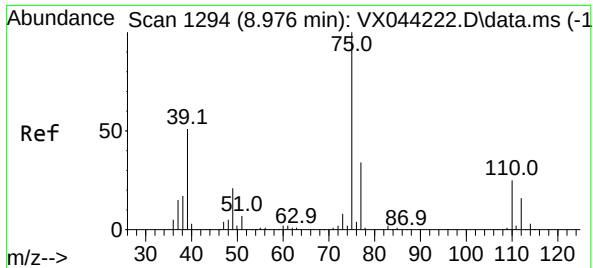
Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 27.1 40.7#
58 0.0 41.0 61.4#



#50
Toluene-d8
Concen: 51.415 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

Tgt Ion: 98 Resp: 248901
Ion Ratio Lower Upper
98 100
100 65.7 51.5 77.3

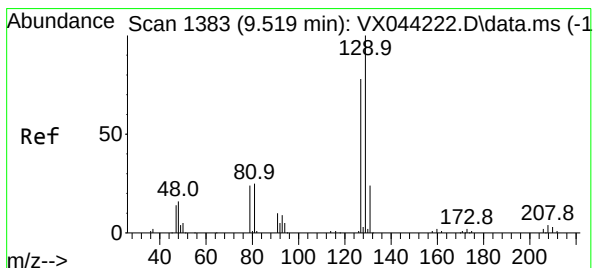
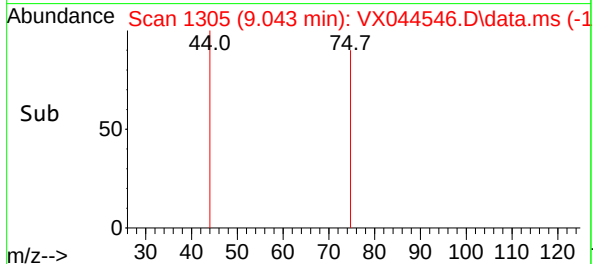
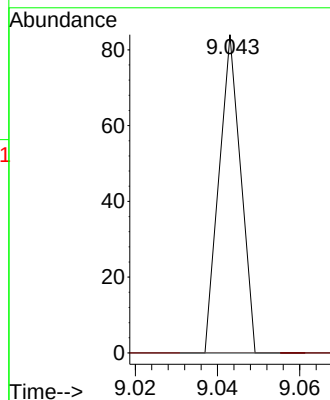
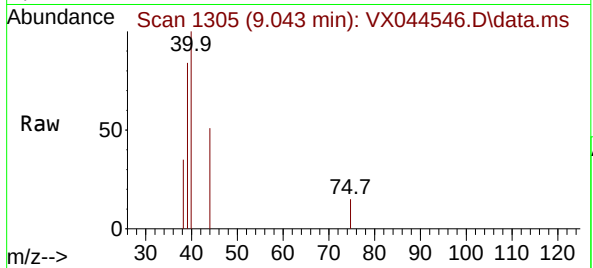




#53
t-1,3-Dichloropropene
Concen: 1.011 ug/l
RT: 9.043 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

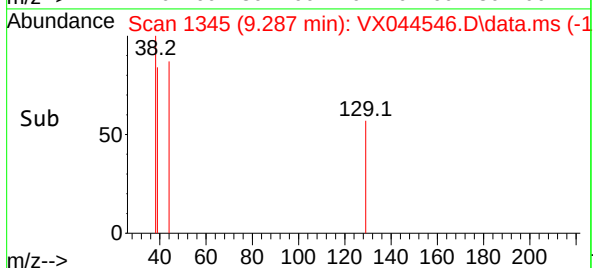
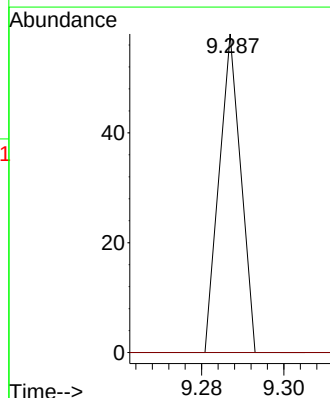
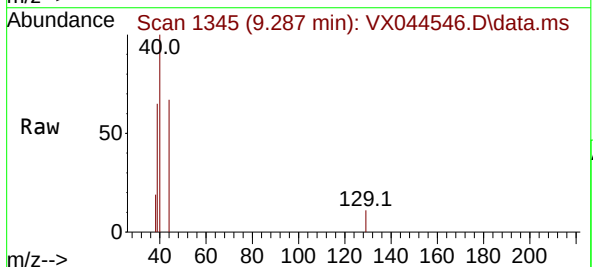
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20241218

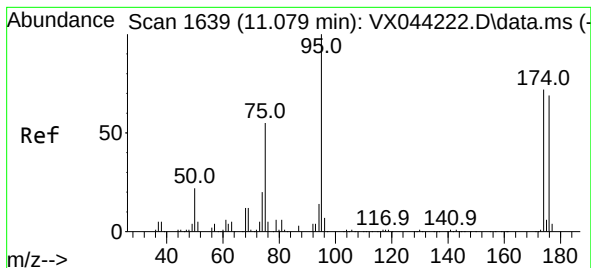
Tgt Ion: 75 Resp: 31
Ion Ratio Lower Upper
75 100
77 0.0 27.2 40.8#



#60
Dibromochloromethane
Concen: 1.246 ug/l
RT: 9.287 min Scan# 1345
Delta R.T. -0.232 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

Tgt Ion:129 Resp: 21
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

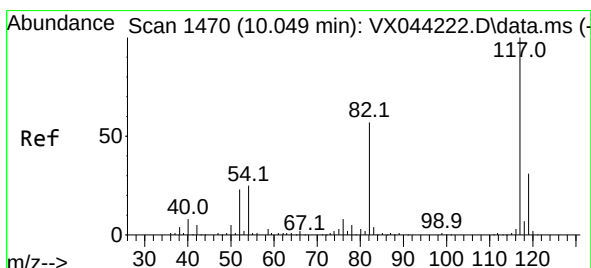
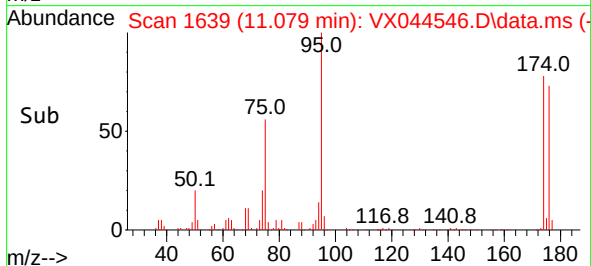
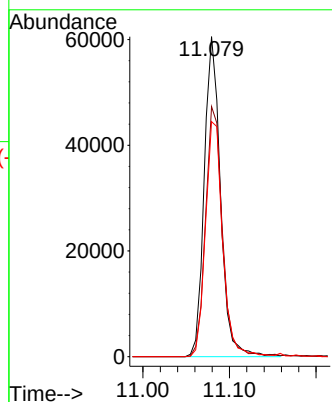
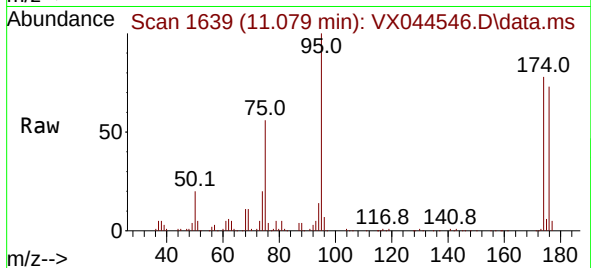




#62
4-Bromofluorobenzene
Concen: 46.653 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

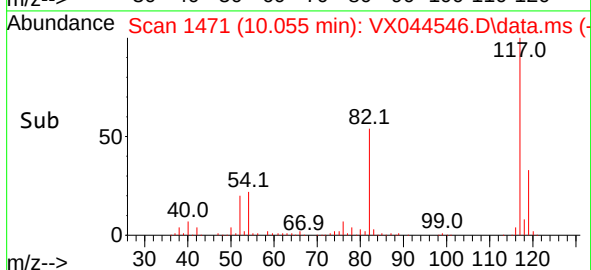
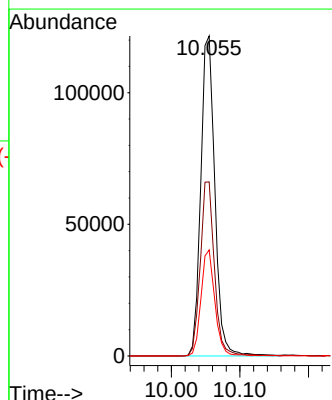
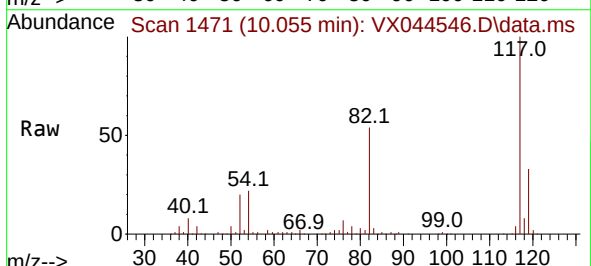
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20241218

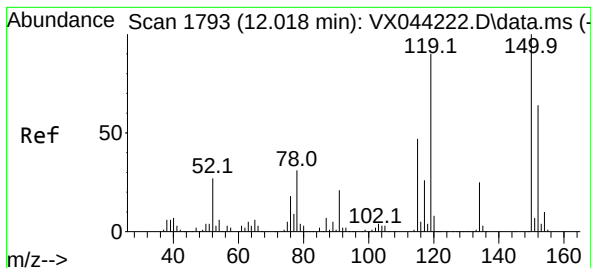
Tgt Ion: 95 Resp: 78918
Ion Ratio Lower Upper
95 100
174 81.1 0.0 145.8
176 77.8 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

Tgt Ion: 117 Resp: 174651
Ion Ratio Lower Upper
117 100
82 54.4 45.8 68.8
119 33.1 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX044546.D

Acq: 30 Dec 2024 16:08

Instrument :

MSVOA_X

ClientSampleId :

RE115D2-20241218

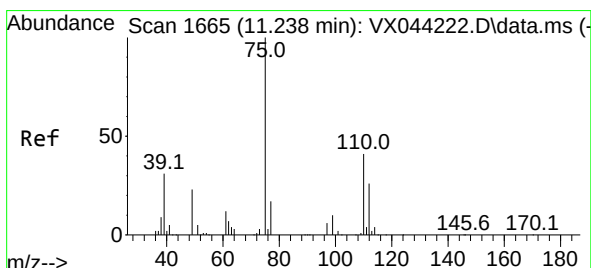
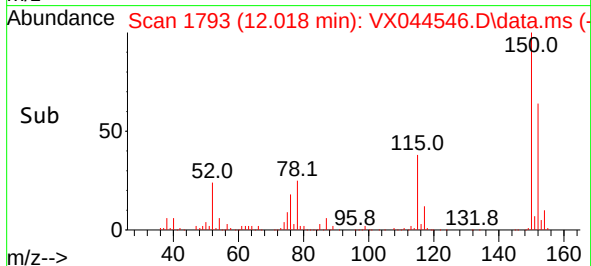
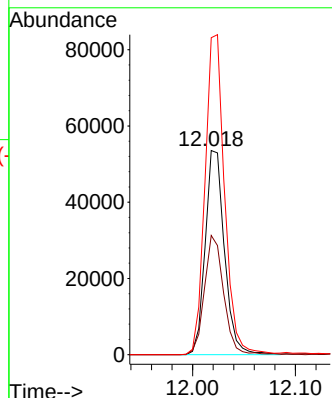
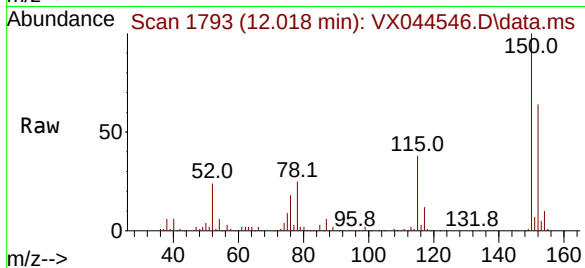
Tgt Ion:152 Resp: 70024

Ion Ratio Lower Upper

152 100

115 58.4 44.5 133.3

150 158.8 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 26.906 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX044546.D

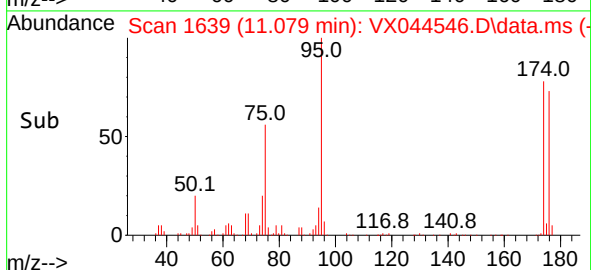
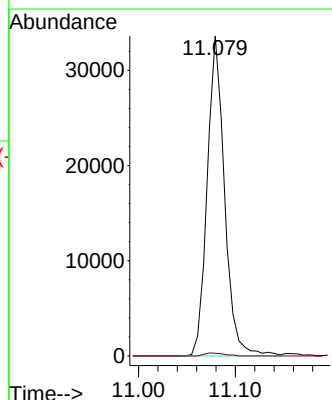
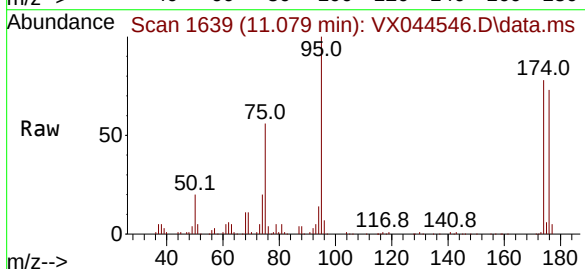
Acq: 30 Dec 2024 16:08

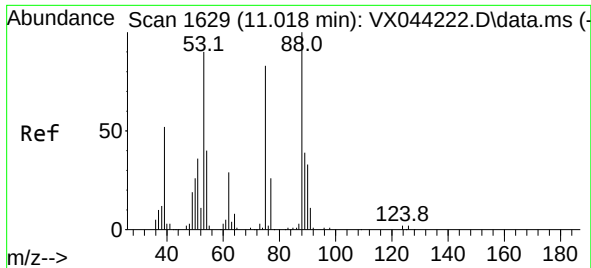
Tgt Ion: 75 Resp: 42067

Ion Ratio Lower Upper

75 100

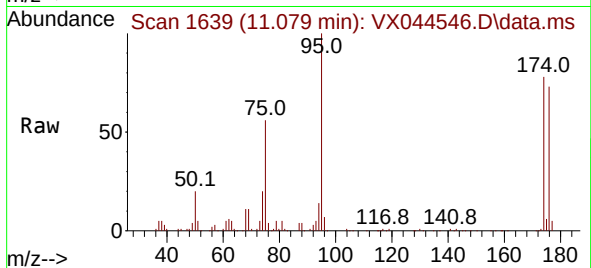
77 1.1 20.9 62.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.076 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX044546.D
 Acq: 30 Dec 2024 16:08

Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D2-20241218



Tgt Ion: 75 Resp: 42067
 Ion Ratio Lower Upper
 75 100
 53 0.0 93.6 140.4#
 89 0.1 37.3 55.9#

