

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
 Data File : VX044391.D
 Acq On : 18 Dec 2024 18:18
 Operator : JC/MD
 Sample : P5281-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE117D1-20241213

Quant Time: Dec 19 00:51:06 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)

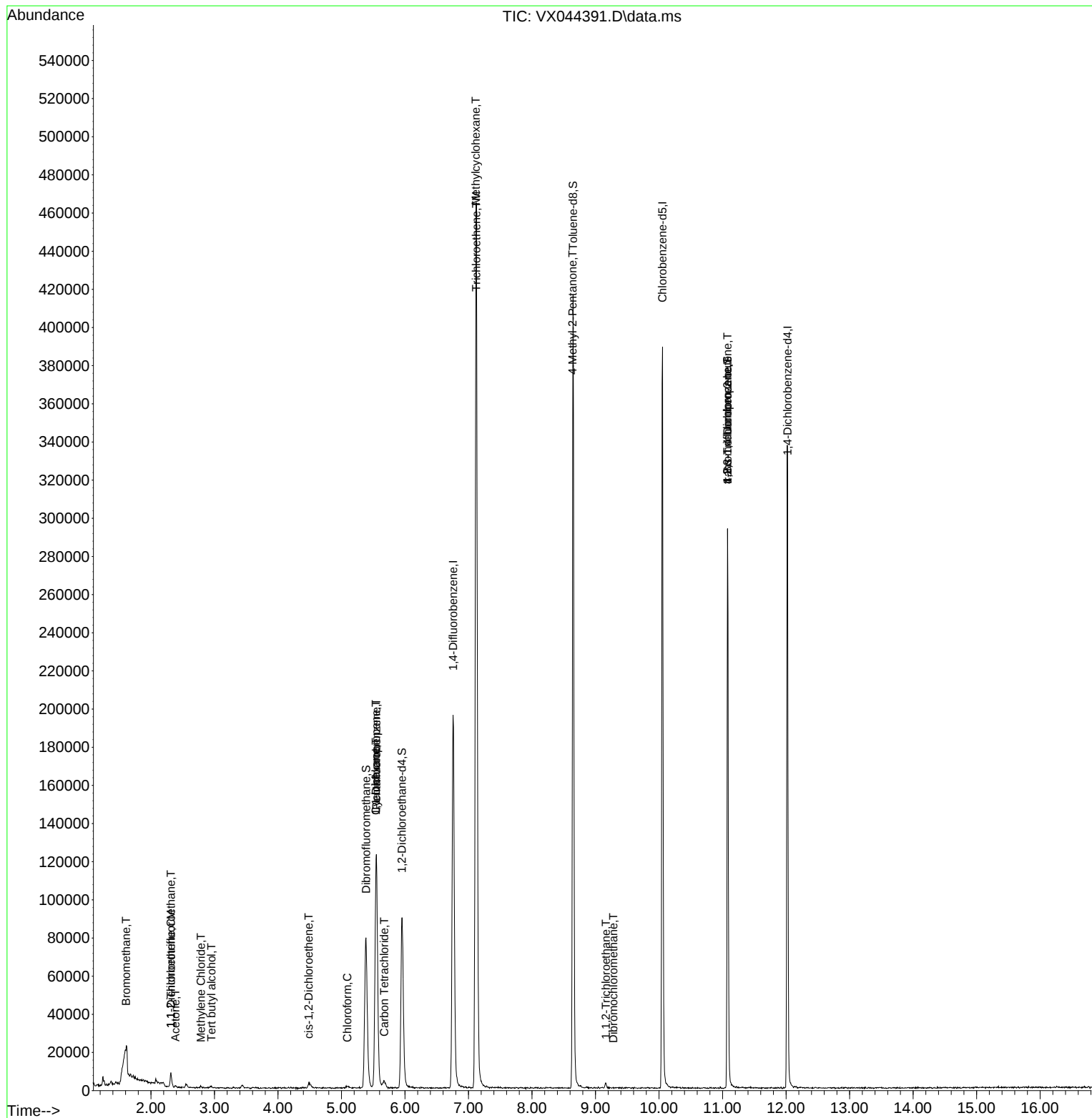
Internal Standards						
1) Pentafluorobenzene	5.550	168	111808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	202274	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	172810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88101	44.941	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.880%
35) Dibromofluoromethane	5.385	113	65859	47.011	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.020%
50) Toluene-d8	8.647	98	241495	51.096	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.200%
62) 4-Bromofluorobenzene	11.079	95	75633	45.797	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.600%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	587	0.480	ug/l #	53
9) 1,1,2-Trichlorotrifluo...	2.313	101	1218	0.893	ug/l #	85
11) Tert butyl alcohol	2.953	59	375	1.357	ug/l #	71
12) 1,1-Dichloroethene	2.313	96	1589	1.268	ug/l #	57
16) Acetone	2.386	43	918	1.149	ug/l #	50
20) Methylene Chloride	2.788	84	459	0.306	ug/l #	61
27) cis-1,2-Dichloroethene	4.483	96	1951	1.153	ug/l	50
30) Chloroform	5.093	83	861	0.292	ug/l #	82
31) Cyclohexane	5.544	56	2929	1.384	ug/l #	9
36) 1,1-Dichloropropene	5.544	75	9655	5.332	ug/l #	49
38) Carbon Tetrachloride	5.672	117	3157	1.619	ug/l	93
39) Methylcyclohexane	7.117	83	2309	1.067	ug/l #	1
44) Trichloroethene	7.123	130	175185	127.770	ug/l	98
51) 4-Methyl-2-Pentanone	8.641	43	1281	0.569	ug/l #	1
55) 1,1,2-Trichloroethane	9.165	97	834	0.608	ug/l #	75
60) Dibromochloromethane	9.281	129	26	1.249	ug/l #	11
76) 1,2,3-Trichloropropane	11.079	75	42463	27.991	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	42463	76.838	ug/l #	4

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

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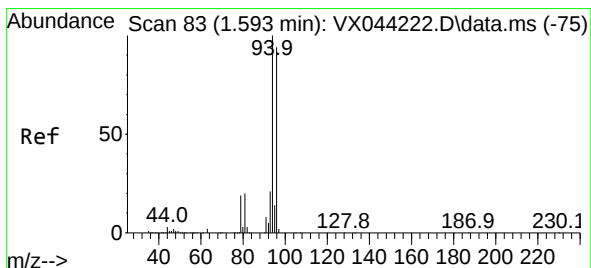
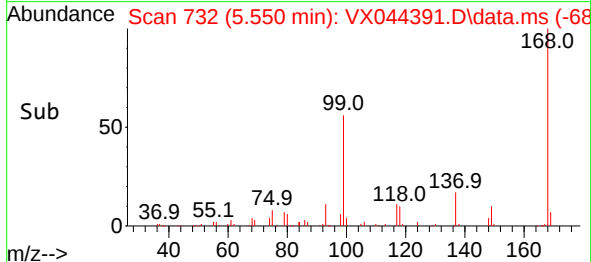
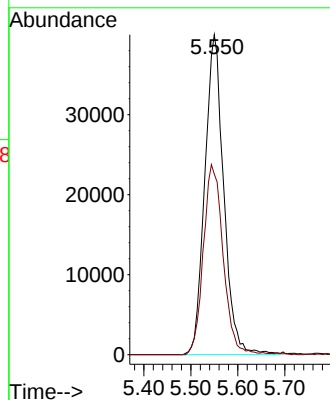
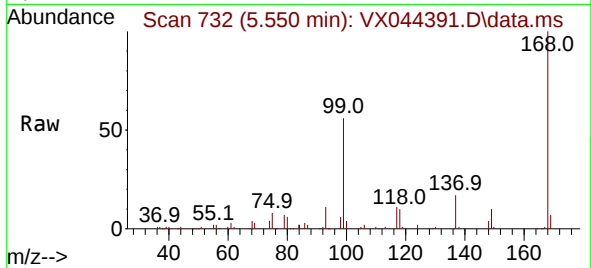




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044391.D
Acq: 18 Dec 2024 18:18

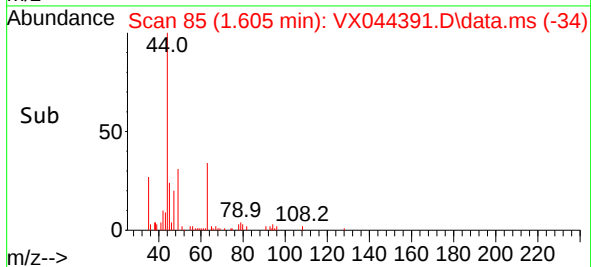
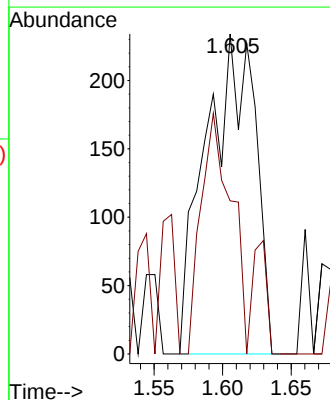
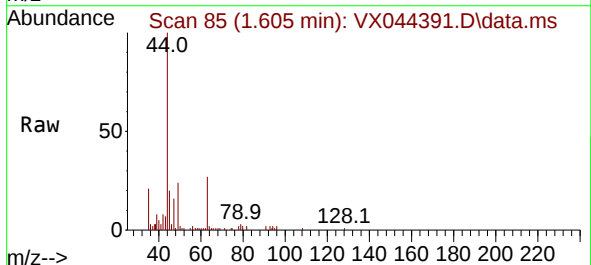
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20241213

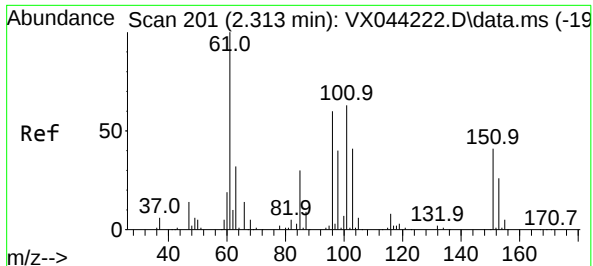
Tgt Ion:168 Resp: 111808
Ion Ratio Lower Upper
168 100
99 56.4 53.4 80.0



#5
Bromomethane
Concen: 0.480 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX044391.D
Acq: 18 Dec 2024 18:18

Tgt Ion: 94 Resp: 587
Ion Ratio Lower Upper
94 100
96 47.9 74.9 112.3#

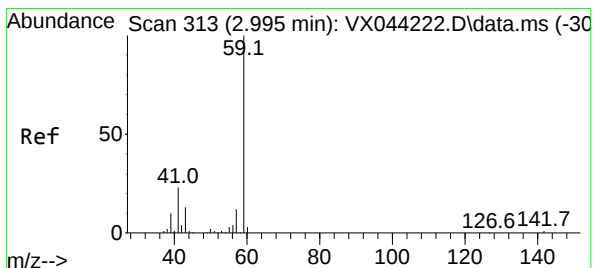
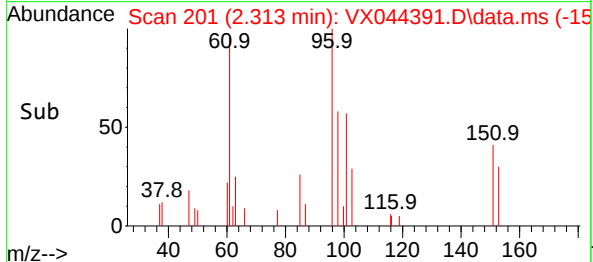
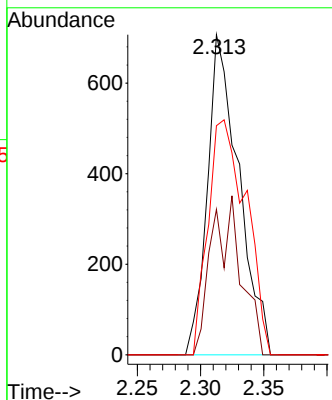
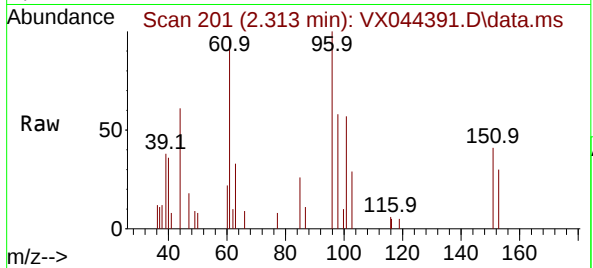




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.893 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX044391.D
Acq: 18 Dec 2024 18:18

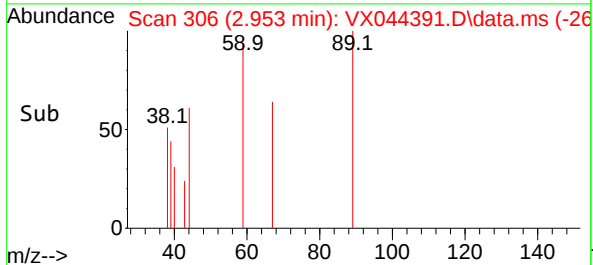
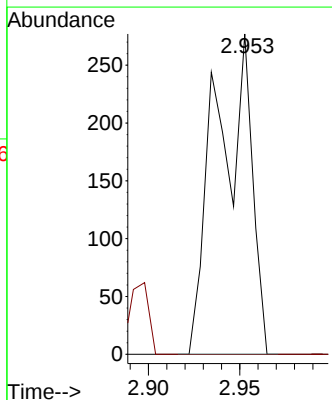
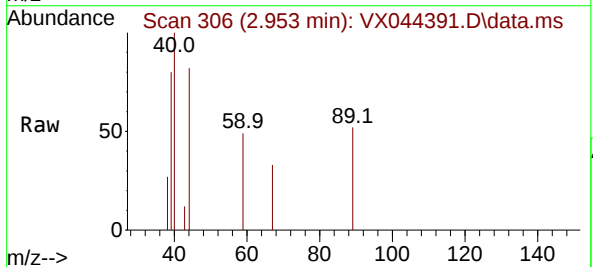
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20241213

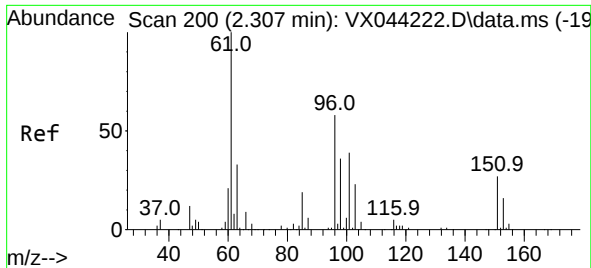
Tgt Ion:101 Resp: 1218
Ion Ratio Lower Upper
101 100
85 46.9 38.5 57.7
151 88.9 55.8 83.6#



#11
Tert butyl alcohol
Concen: 1.357 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.043 min
Lab File: VX044391.D
Acq: 18 Dec 2024 18:18

Tgt Ion: 59 Resp: 375
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

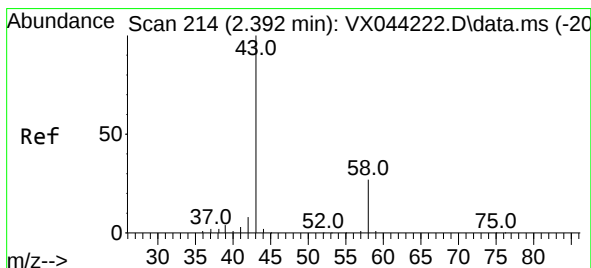
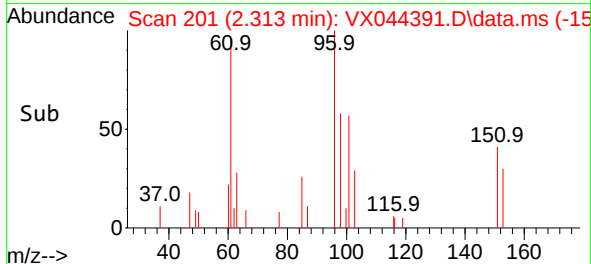
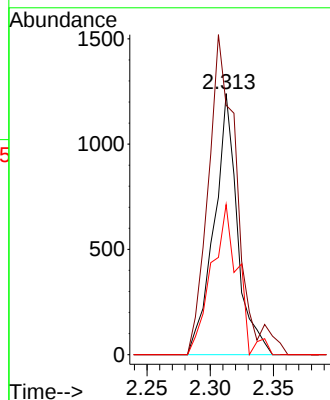
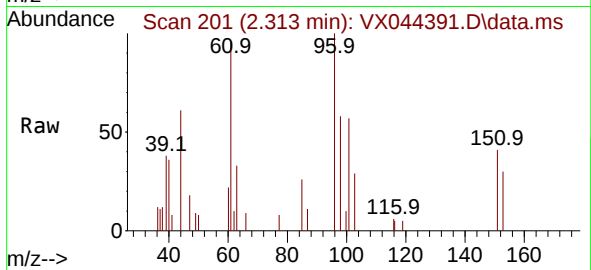




#12
1,1-Dichloroethene
Concen: 1.268 ug/l
RT: 2.313 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044391.D
Acq: 18 Dec 2024 18:18

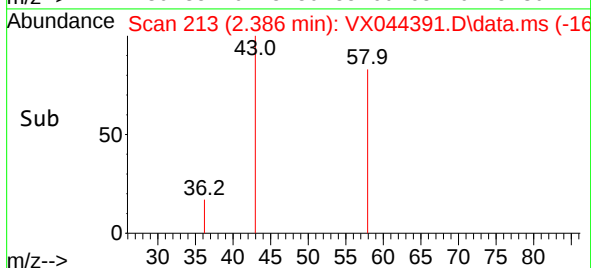
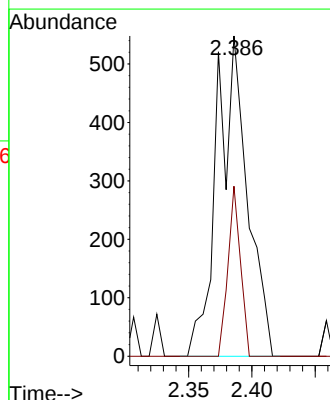
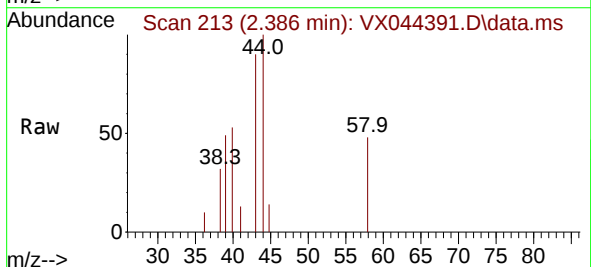
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20241213

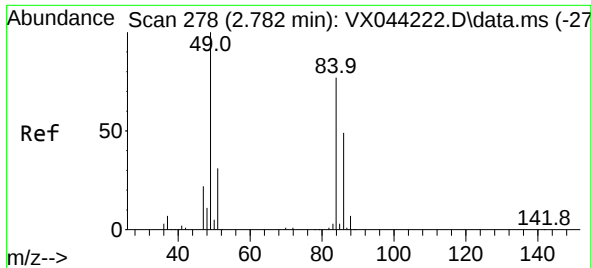
Tgt Ion: 96 Resp: 1589
Ion Ratio Lower Upper
96 100
61 95.6 138.0 207.0#
98 57.5 50.0 75.0



#16
Acetone
Concen: 1.149 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044391.D
Acq: 18 Dec 2024 18:18

Tgt Ion: 43 Resp: 918
Ion Ratio Lower Upper
43 100
58 53.1 21.6 32.4#

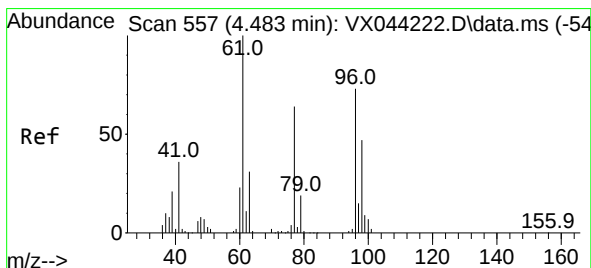
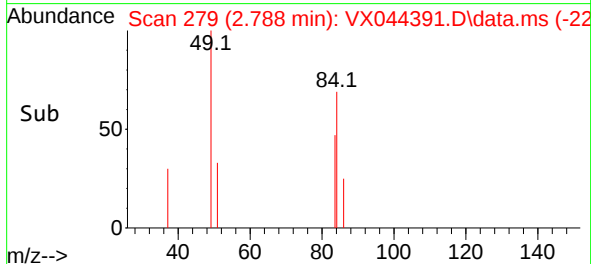
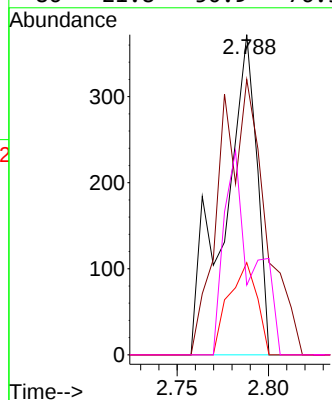
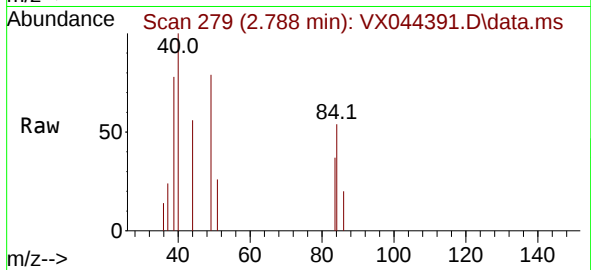




#20
Methylene Chloride
Concen: 0.306 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX044391.D
Acq: 18 Dec 2024 18:18

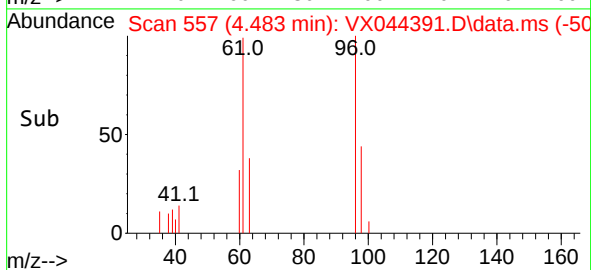
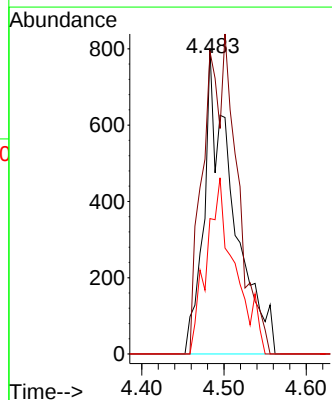
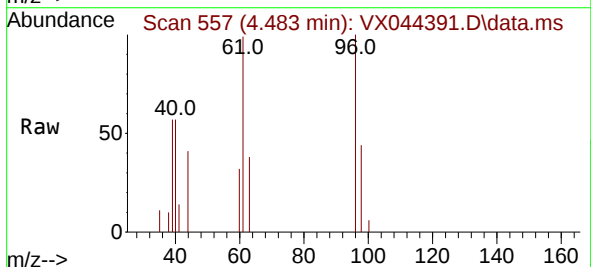
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20241213

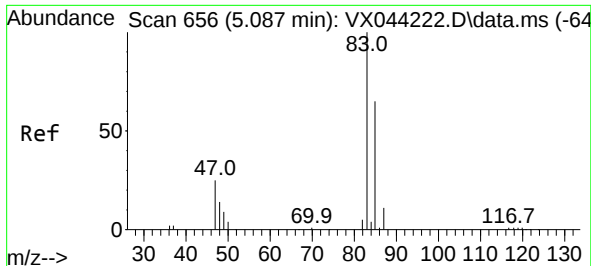
Tgt Ion: 84 Resp: 459
Ion Ratio Lower Upper
84 100
49 86.0 104.2 156.4#
51 28.8 32.2 48.4#
86 21.8 50.9 76.3#



#27
cis-1,2-Dichloroethene
Concen: 1.153 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.000 min
Lab File: VX044391.D
Acq: 18 Dec 2024 18:18

Tgt Ion: 96 Resp: 1951
Ion Ratio Lower Upper
96 100
61 63.6 0.0 299.0
98 56.9 0.0 129.0





#30

Chloroform

Concen: 0.292 ug/l

RT: 5.093 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX044391.D

Acq: 18 Dec 2024 18:18

Instrument :

MSVOA_X

ClientSampleId :

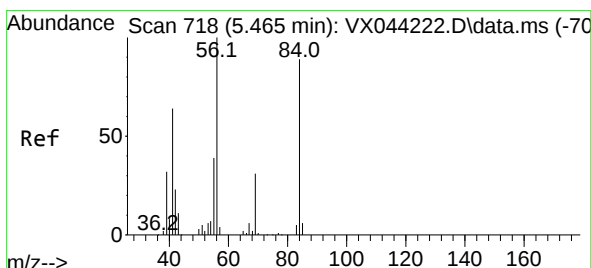
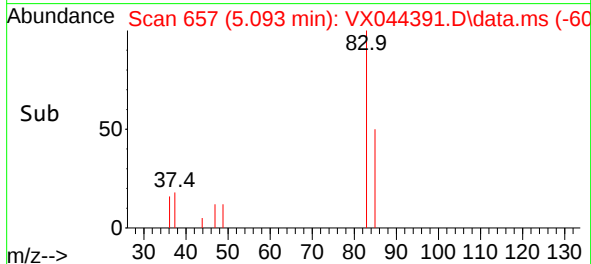
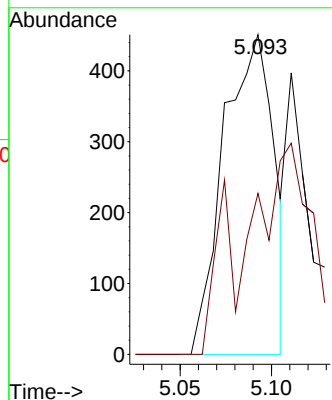
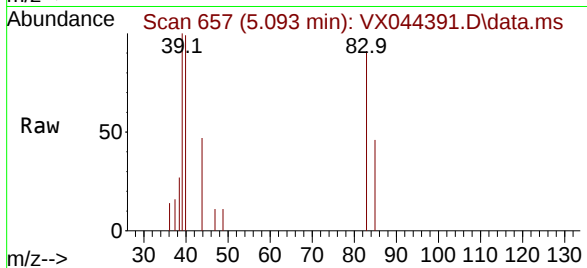
RE117D1-20241213

Tgt Ion: 83 Resp: 861

Ion Ratio Lower Upper

83 100

85 50.3 51.6 77.4#



#31

Cyclohexane

Concen: 1.384 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX044391.D

Acq: 18 Dec 2024 18:18

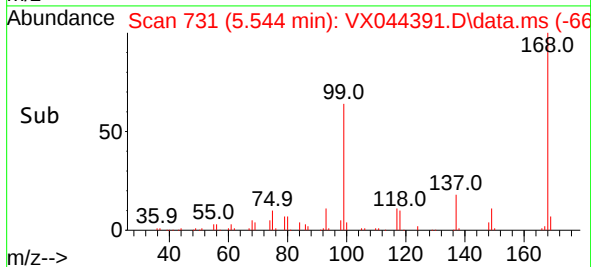
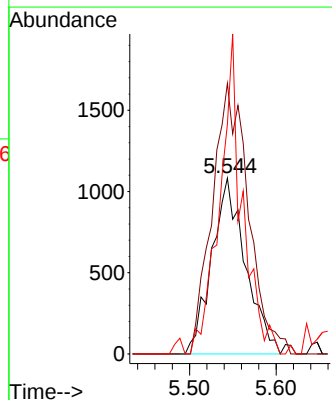
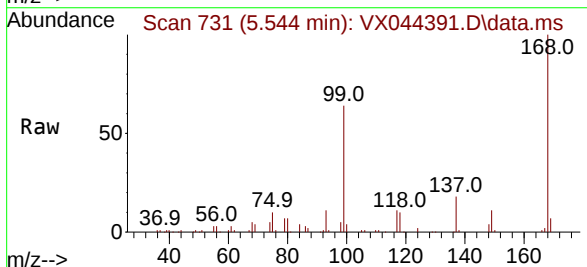
Tgt Ion: 56 Resp: 2929

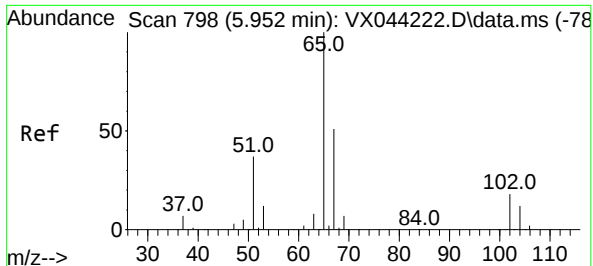
Ion Ratio Lower Upper

56 100

69 153.8 24.7 37.1#

84 130.7 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 44.941 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX044391.D

Acq: 18 Dec 2024 18:18

Instrument :

MSVOA_X

ClientSampleId :

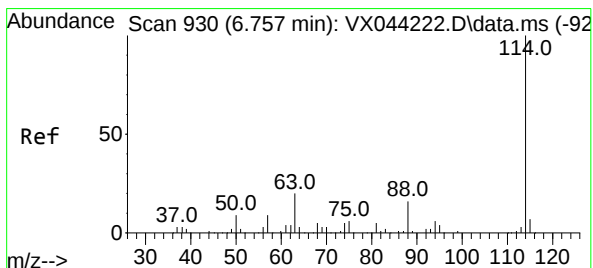
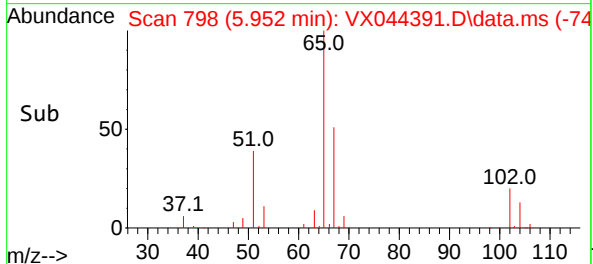
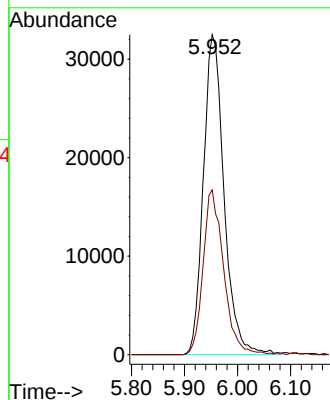
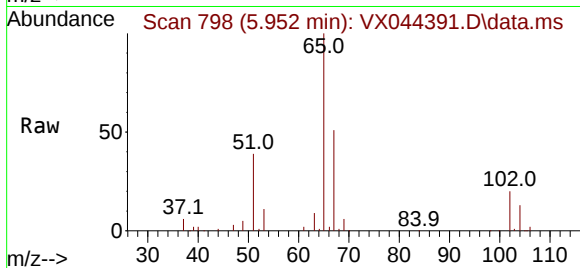
RE117D1-20241213

Tgt Ion: 65 Resp: 88101

Ion Ratio Lower Upper

65 100

67 51.1 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: VX044391.D

Acq: 18 Dec 2024 18:18

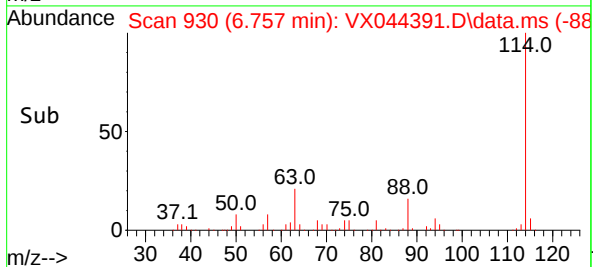
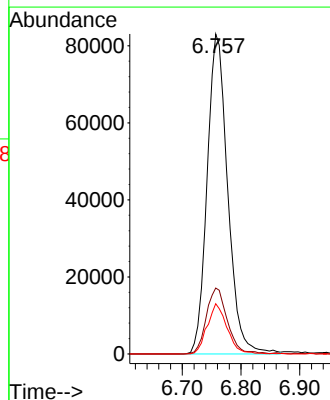
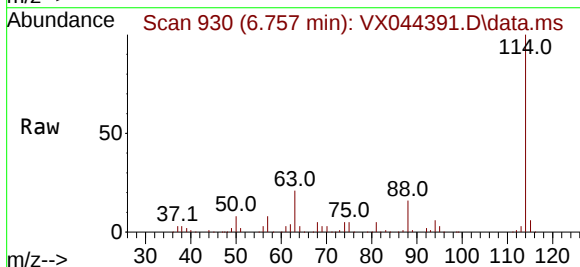
Tgt Ion: 114 Resp: 202274

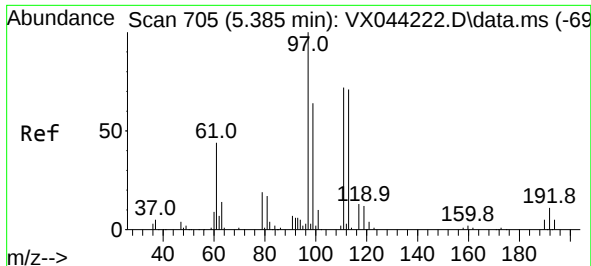
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.6

88 15.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.011 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX044391.D

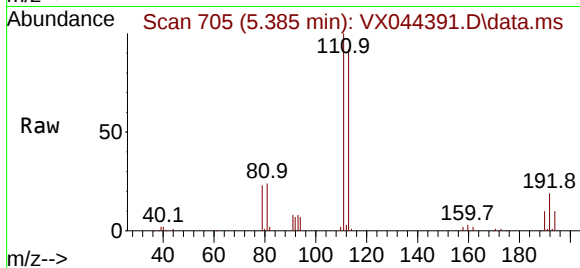
Acq: 18 Dec 2024 18:18

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RE117D1-20241213



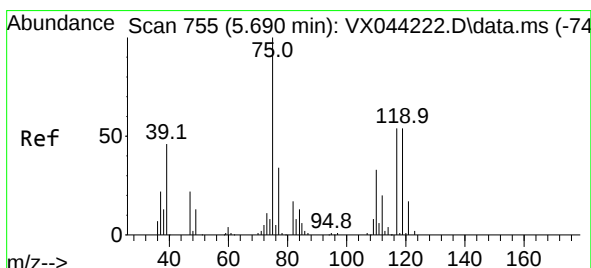
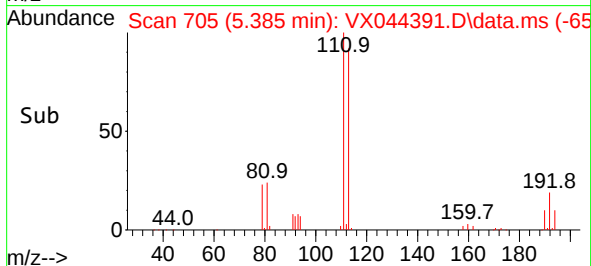
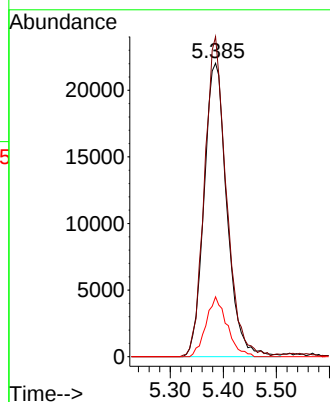
Tgt Ion:113 Resp: 65859

Ion Ratio Lower Upper

113 100

111 104.4 80.4 120.6

192 18.8 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.332 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX044391.D

Acq: 18 Dec 2024 18:18

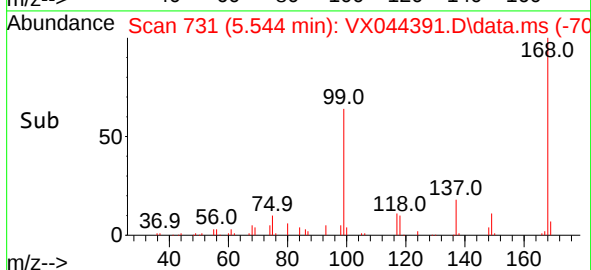
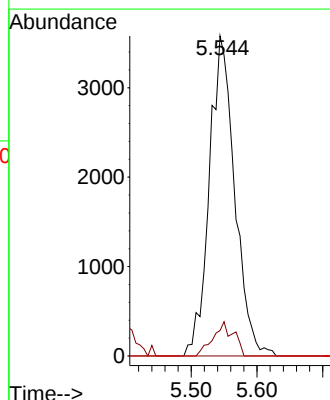
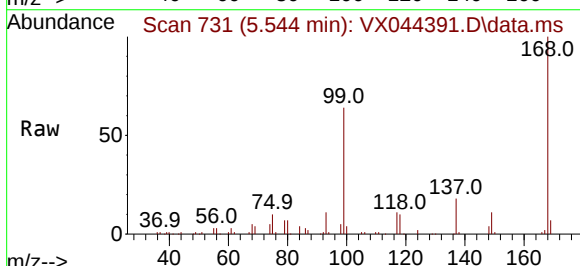
Tgt Ion: 75 Resp: 9655

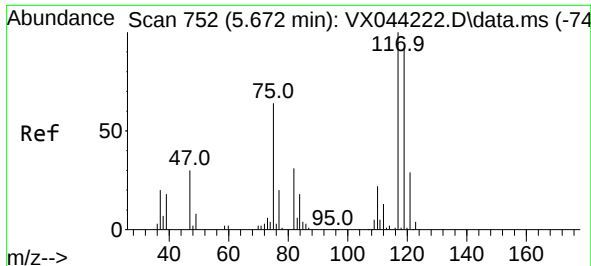
Ion Ratio Lower Upper

75 100

110 8.6 17.3 51.7#

77 0.0 25.4 38.0#

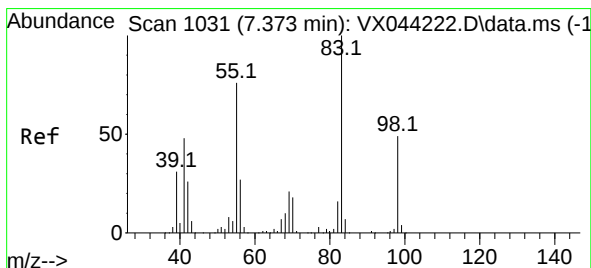
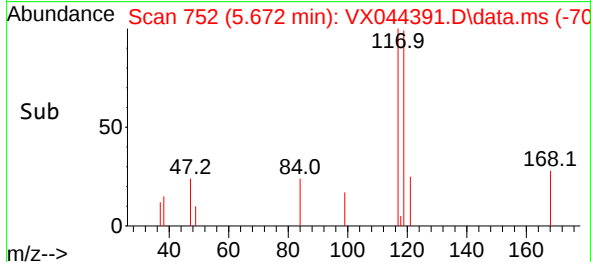
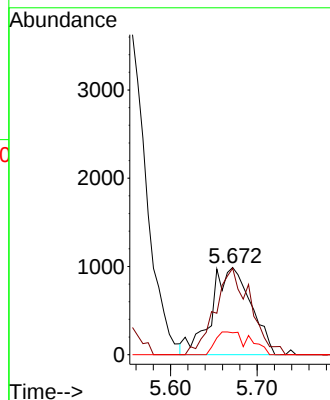
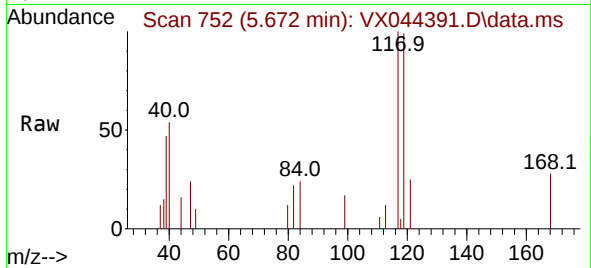




#38
Carbon Tetrachloride
Concen: 1.619 ug/l
RT: 5.672 min Scan# 711
Delta R.T. -0.000 min
Lab File: VX044391.D
Acq: 18 Dec 2024 18:18

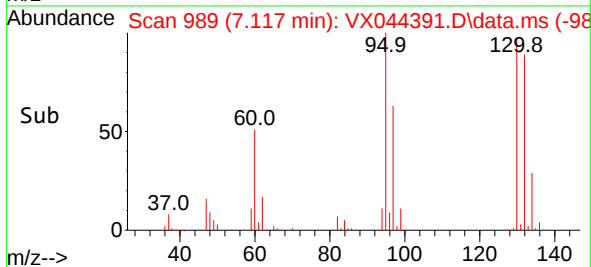
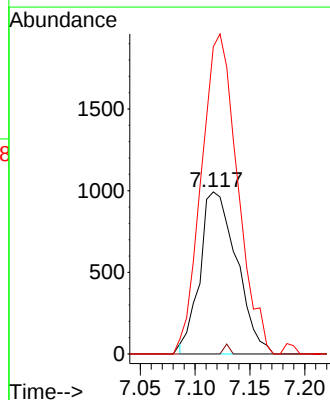
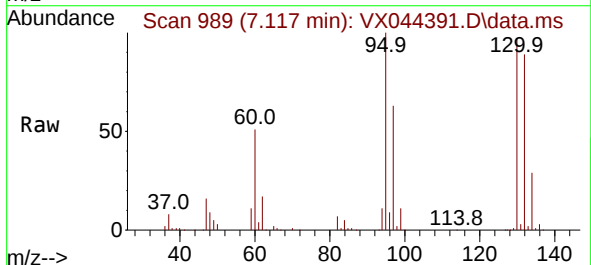
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20241213

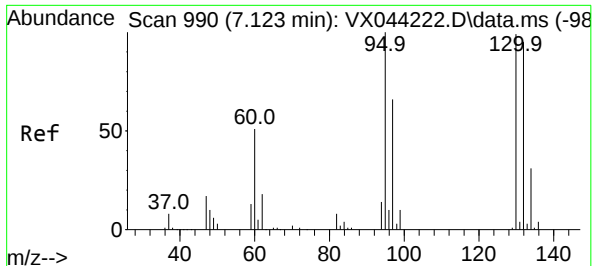
Tgt Ion:	117	Resp:	3157
Ion	Ratio	Lower	Upper
117	100		
119	99.1	74.2	111.4
121	25.1	23.0	34.6



#39
Methylcyclohexane
Concen: 1.067 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.256 min
Lab File: VX044391.D
Acq: 18 Dec 2024 18:18

Tgt Ion:	83	Resp:	2309
Ion	Ratio	Lower	Upper
83	100		
55	0.0	60.7	91.1#
98	189.5	38.9	58.3#

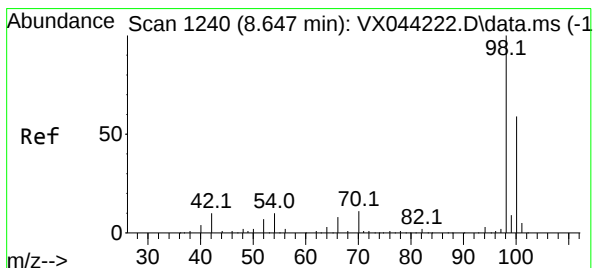
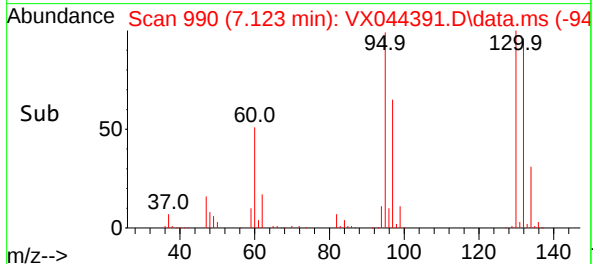
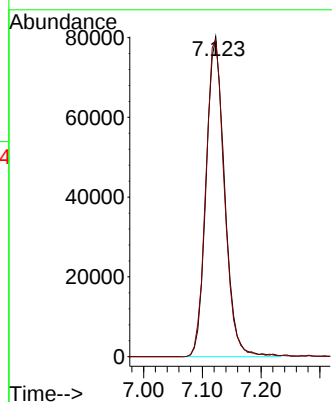
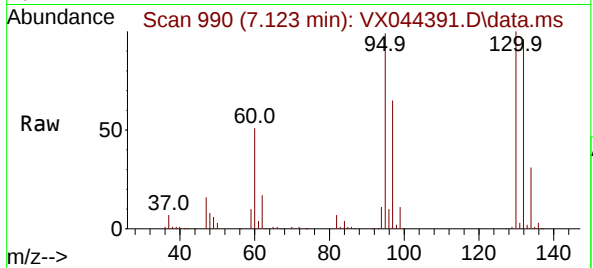




#44
Trichloroethene
Concen: 127.770 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044391.D
Acq: 18 Dec 2024 18:18

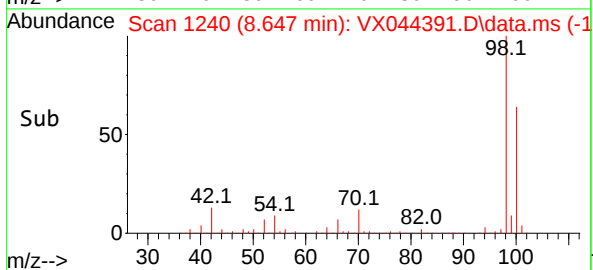
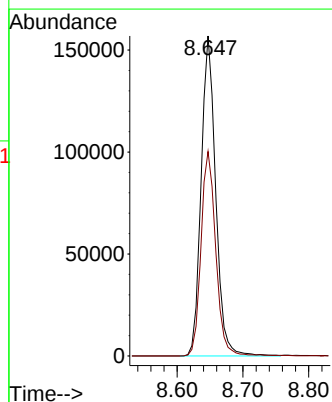
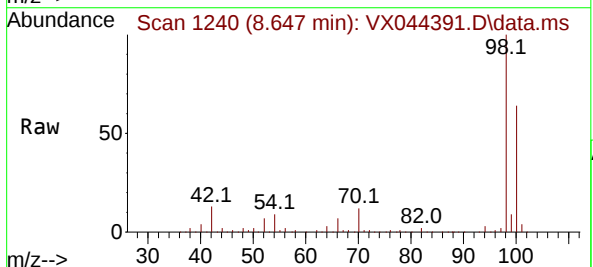
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20241213

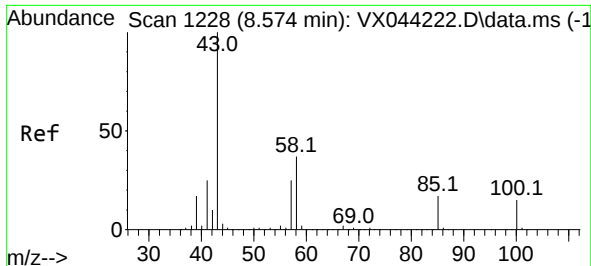
Tgt Ion:130 Resp: 175185
Ion Ratio Lower Upper
130 100
95 99.0 0.0 201.4



#50
Toluene-d8
Concen: 51.096 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044391.D
Acq: 18 Dec 2024 18:18

Tgt Ion: 98 Resp: 241495
Ion Ratio Lower Upper
98 100
100 64.7 51.5 77.3

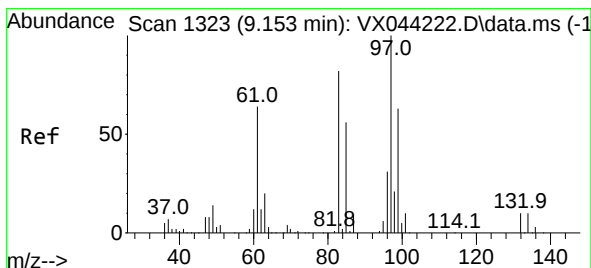
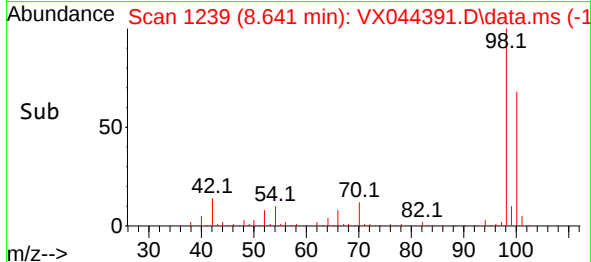
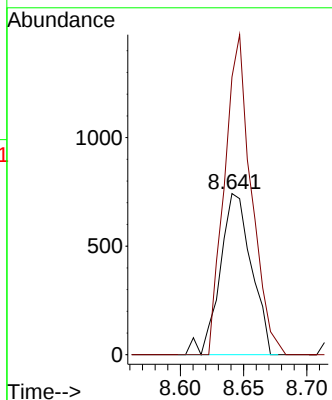
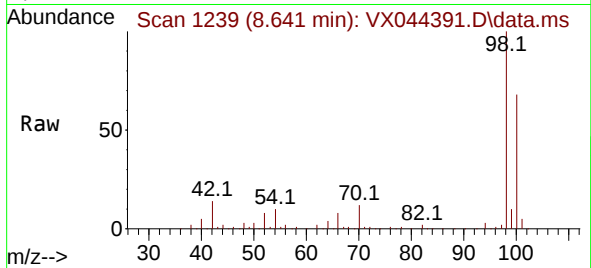




#51
4-Methyl-2-Pentanone
Concen: 0.569 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX044391.D
Acq: 18 Dec 2024 18:18

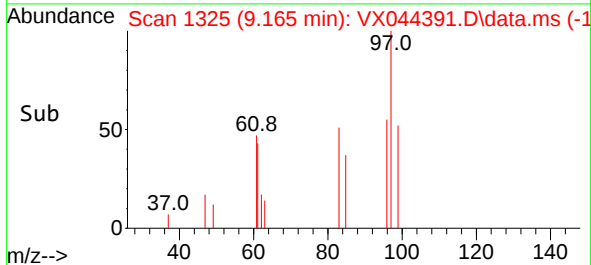
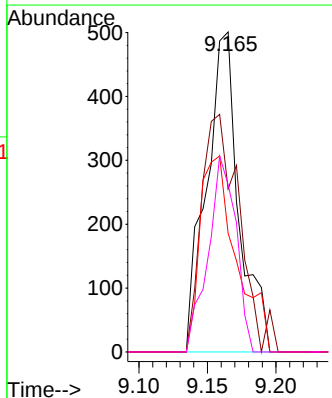
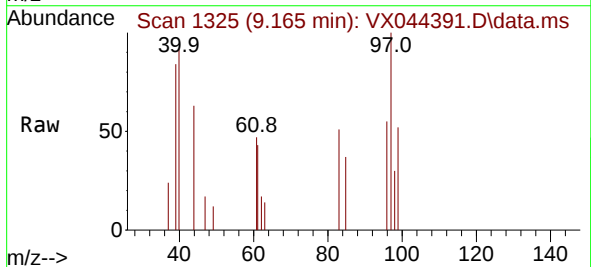
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20241213

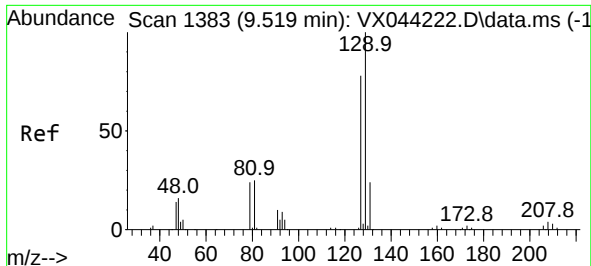
Tgt Ion: 43 Resp: 1281
Ion Ratio Lower Upper
43 100
58 169.6 29.4 44.0#



#55
1,1,2-Trichloroethane
Concen: 0.608 ug/l
RT: 9.165 min Scan# 1325
Delta R.T. 0.012 min
Lab File: VX044391.D
Acq: 18 Dec 2024 18:18

Tgt Ion: 97 Resp: 834
Ion Ratio Lower Upper
97 100
83 50.9 65.3 97.9#
85 37.1 44.6 67.0#
99 52.3 50.2 75.2

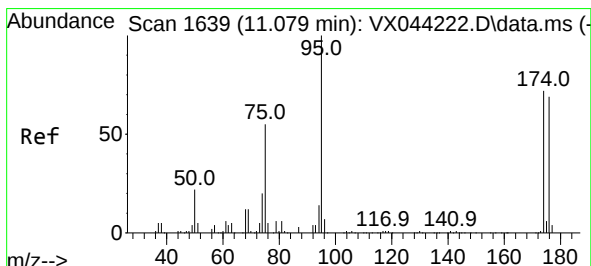
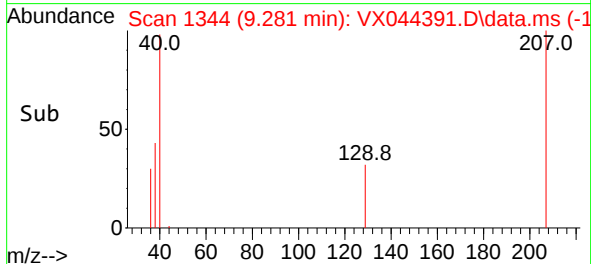
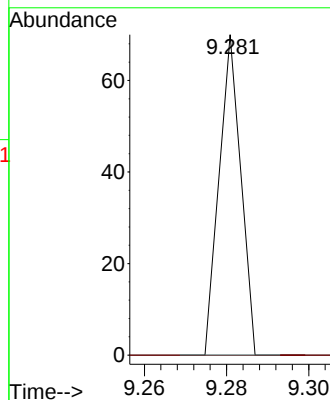
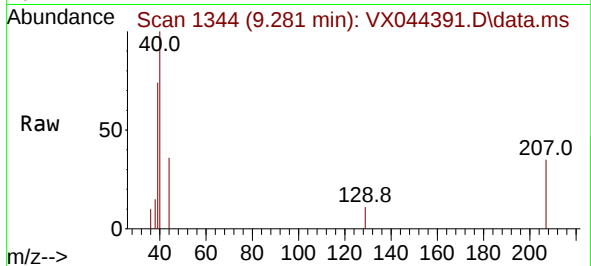




#60
Dibromochloromethane
Concen: 1.249 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.238 min
Lab File: VX044391.D
Acq: 18 Dec 2024 18:18

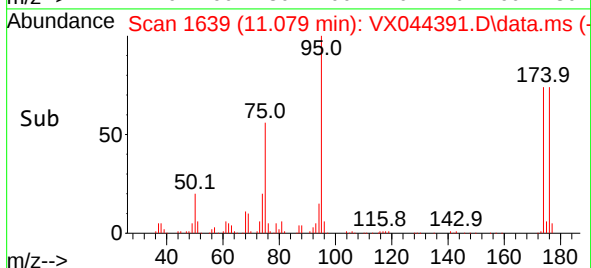
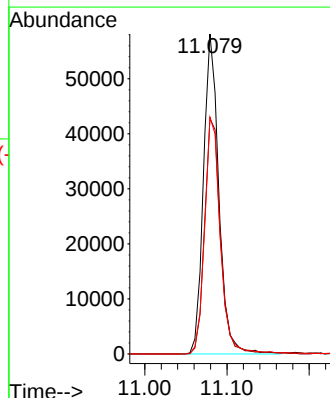
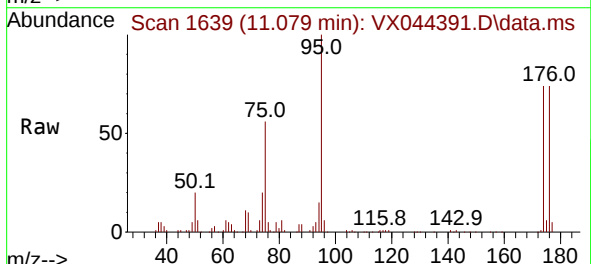
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20241213

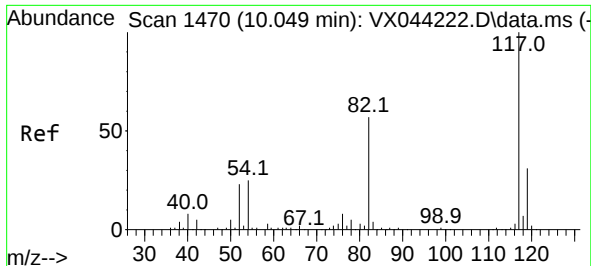
Tgt Ion:129 Resp: 26
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 45.797 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044391.D
Acq: 18 Dec 2024 18:18

Tgt Ion: 95 Resp: 75633
Ion Ratio Lower Upper
95 100
174 76.2 0.0 145.8
176 75.9 0.0 137.8

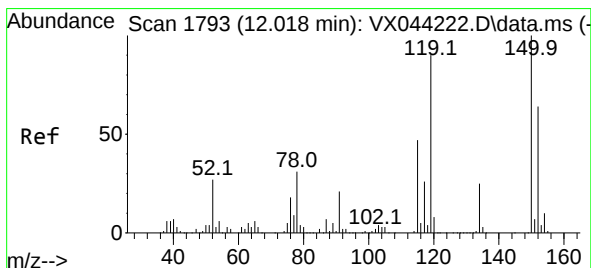
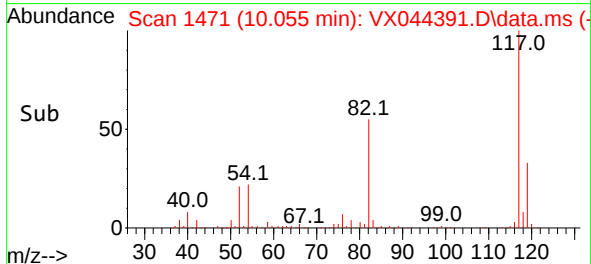
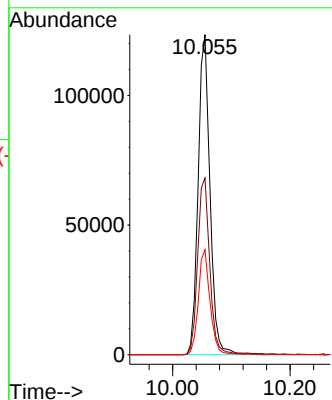
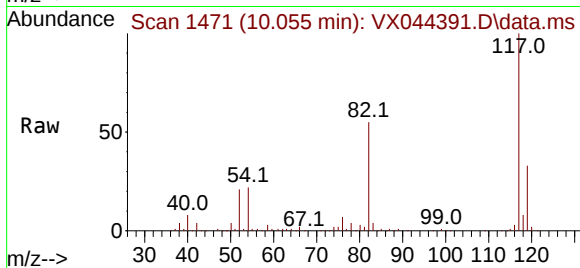




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044391.D
Acq: 18 Dec 2024 18:18

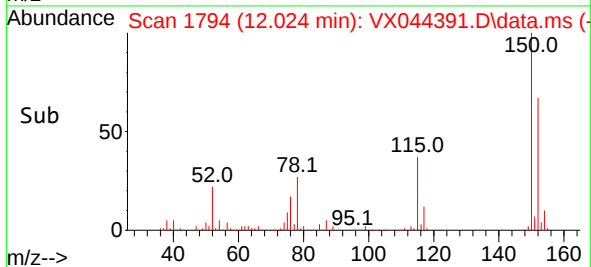
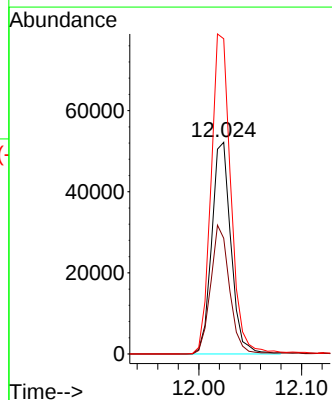
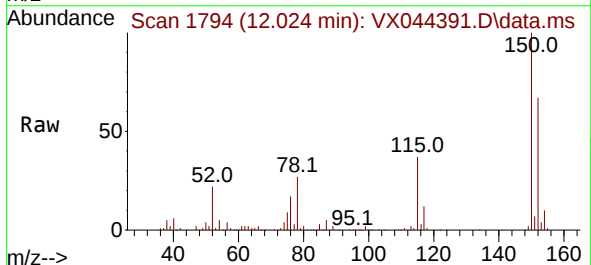
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20241213

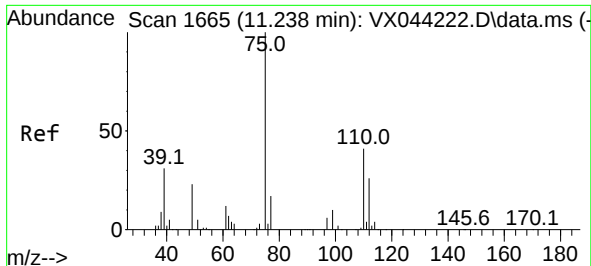
Tgt Ion:117 Resp: 172810
Ion Ratio Lower Upper
117 100
82 55.2 45.8 68.8
119 32.8 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044391.D
Acq: 18 Dec 2024 18:18

Tgt Ion:152 Resp: 67944
Ion Ratio Lower Upper
152 100
115 60.0 44.5 133.3
150 156.1 0.0 353.8

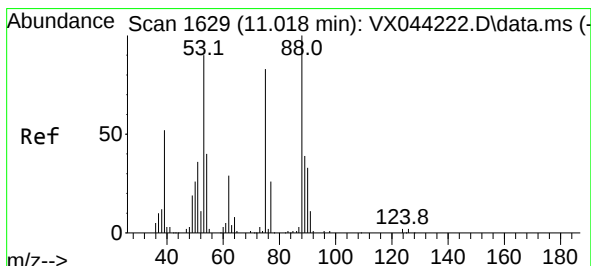
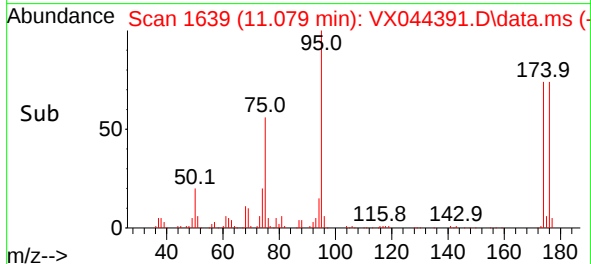
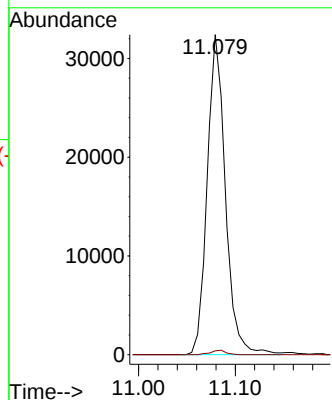
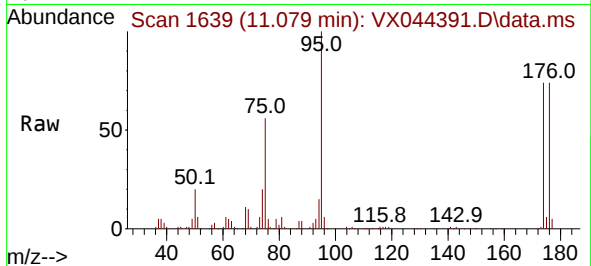




#76
1,2,3-Trichloropropane
Concen: 27.991 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044391.D
Acq: 18 Dec 2024 18:18

Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20241213

Tgt Ion: 75 Resp: 42463
Ion Ratio Lower Upper
75 100
77 1.2 20.9 62.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.838 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044391.D
Acq: 18 Dec 2024 18:18

Tgt Ion: 75 Resp: 42463
Ion Ratio Lower Upper
75 100
53 0.0 93.6 140.4#
89 0.0 37.3 55.9#

