

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
 Data File : VX044394.D
 Acq On : 18 Dec 2024 19:28
 Operator : JC/MD
 Sample : P5261-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D1-20241210

Quant Time: Dec 19 00:53:00 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)

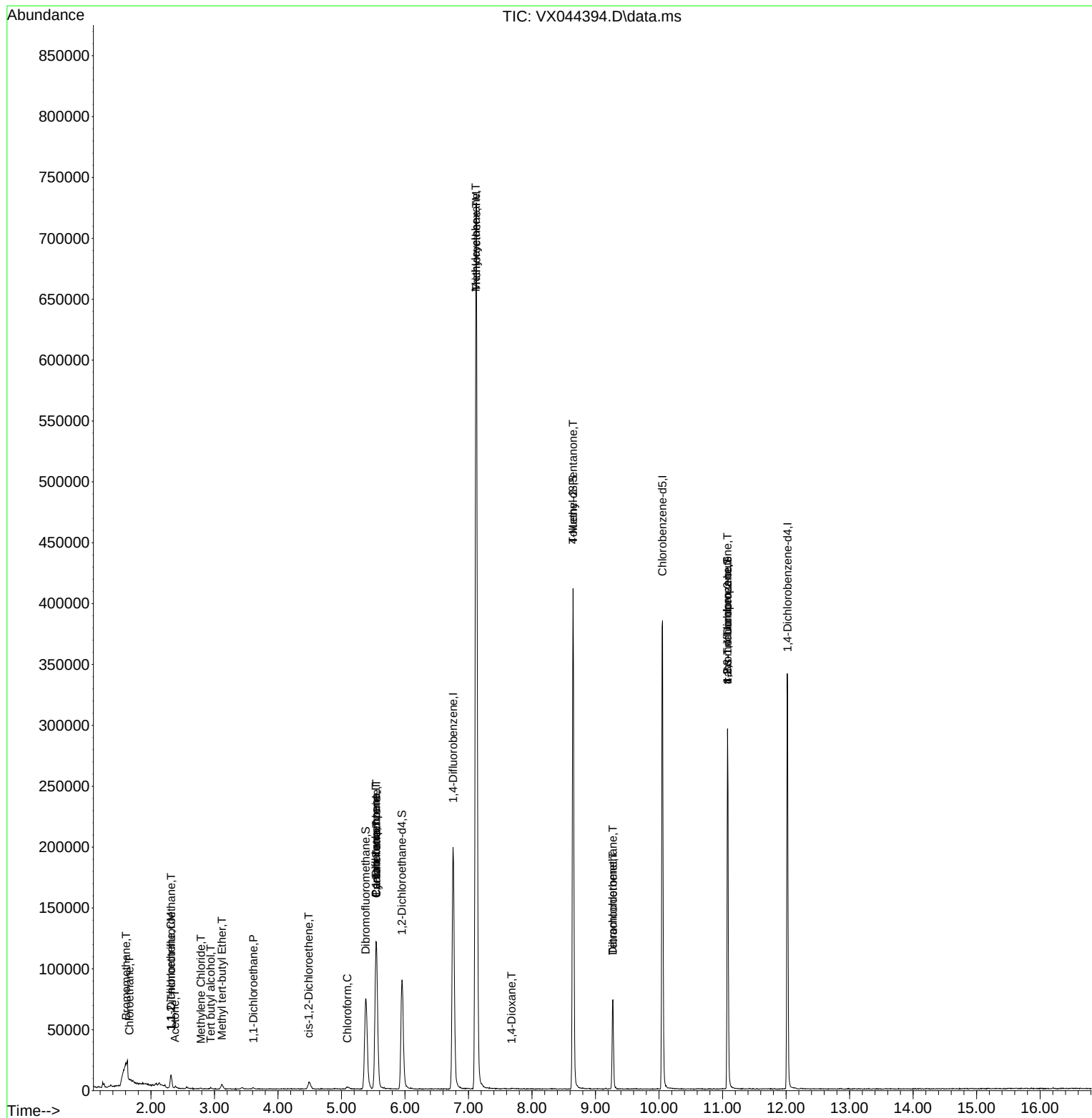
Internal Standards						
1) Pentafluorobenzene	5.544	168	112207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	201079	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	175960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87151	44.299	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.600%
35) Dibromofluoromethane	5.379	113	65617	47.117	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.240%
50) Toluene-d8	8.647	98	240656	51.221	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.440%
62) 4-Bromofluorobenzene	11.079	95	76504	46.599	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.200%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	436	0.356	ug/l	91
6) Chloroethane	1.660	64	237	0.220	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	2.319	101	3669	2.679	ug/l	98
11) Tert butyl alcohol	2.941	59	282	1.017	ug/l #	71
12) 1,1-Dichloroethene	2.313	96	965	0.767	ug/l #	62
16) Acetone	2.380	43	867	1.081	ug/l #	82
19) Methyl tert-butyl Ether	3.117	73	3975	0.810	ug/l	95
20) Methylene Chloride	2.788	84	377	0.250	ug/l #	46
24) 1,1-Dichloroethane	3.611	63	1443	0.549	ug/l #	92
27) cis-1,2-Dichloroethene	4.483	96	4027	2.372	ug/l	91
30) Chloroform	5.093	83	2304	0.780	ug/l #	82
31) Cyclohexane	5.550	56	2820	1.328	ug/l #	55
36) 1,1-Dichloropropene	5.544	75	9842	5.467	ug/l #	51
38) Carbon Tetrachloride	5.550	117	12878	6.645	ug/l #	18
39) Methylcyclohexane	7.117	83	3899	1.812	ug/l #	1
44) Trichloroethene	7.123	130	272237	199.734	ug/l	100
49) 1,4-Dioxane	7.677	88	244	8.717	ug/l #	73
51) 4-Methyl-2-Pentanone	8.647	43	1142	0.511	ug/l #	1
60) Dibromochloromethane	9.275	129	13888	10.955	ug/l #	11
64) Tetrachloroethene	9.275	164	13127	11.240	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	42610	27.065	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	42610	74.479	ug/l #	4

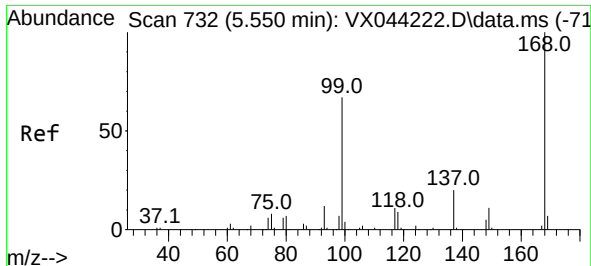
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RE125D1-20241210

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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

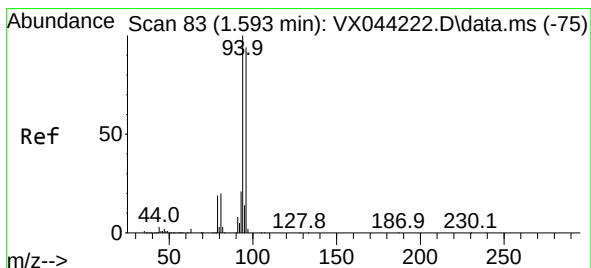
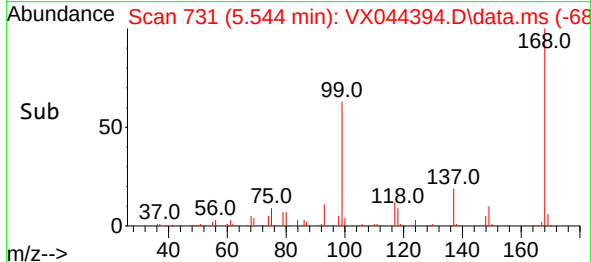
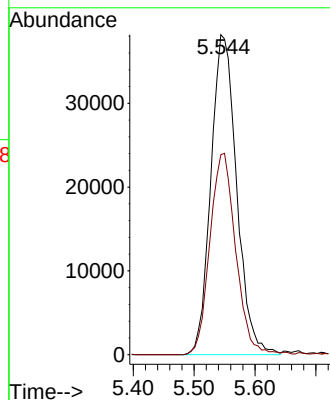
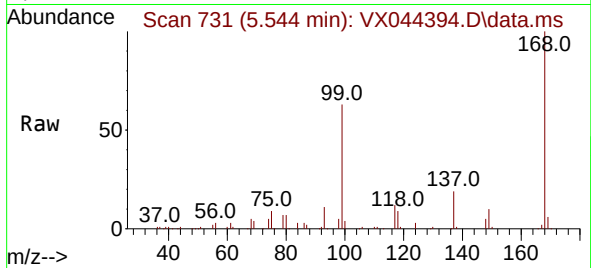




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044394.D
Acq: 18 Dec 2024 19:28

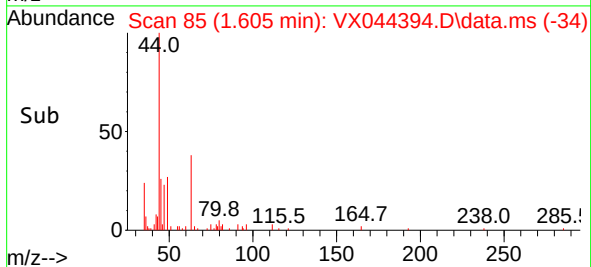
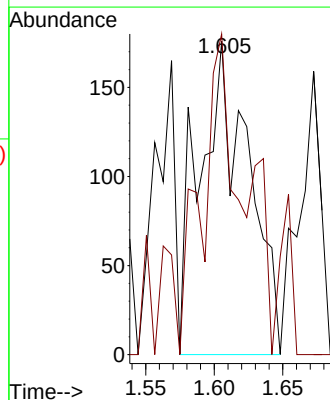
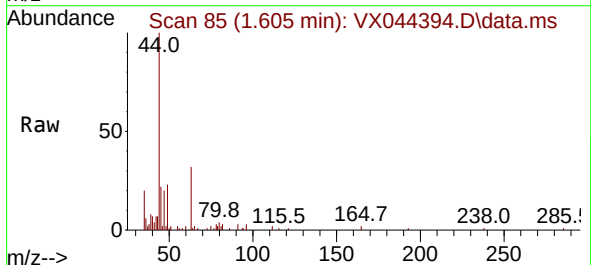
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20241210

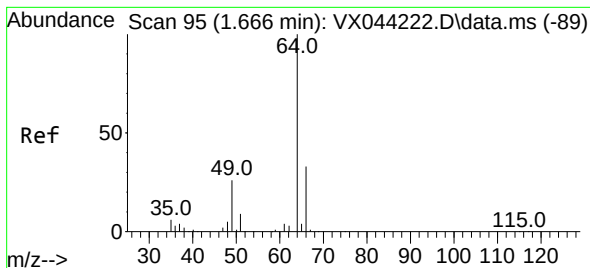
Tgt Ion:168 Resp: 112207
Ion Ratio Lower Upper
168 100
99 62.5 53.4 80.0



#5
Bromomethane
Concen: 0.356 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX044394.D
Acq: 18 Dec 2024 19:28

Tgt Ion: 94 Resp: 436
Ion Ratio Lower Upper
94 100
96 102.3 74.9 112.3





#6

Chloroethane

Concen: 0.220 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.006 min

Lab File: VX044394.D

Acq: 18 Dec 2024 19:28

Instrument :

MSVOA_X

ClientSampleId :

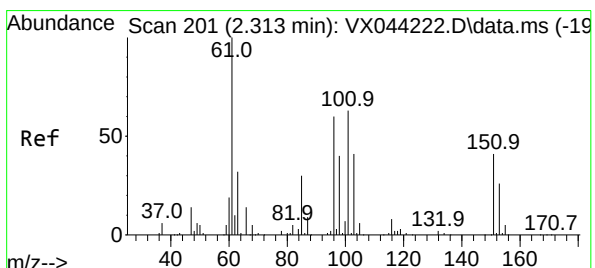
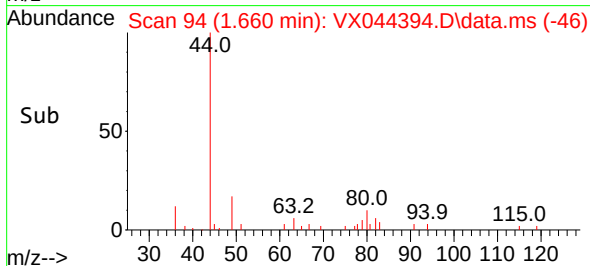
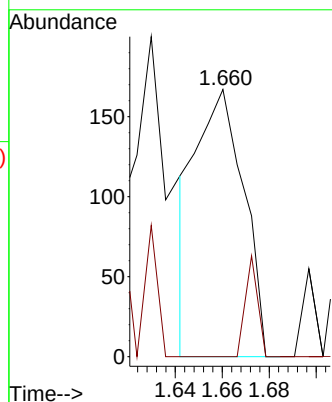
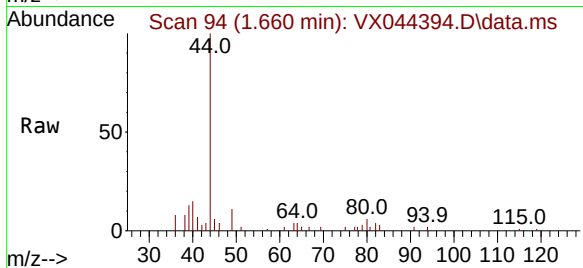
RE125D1-20241210

Tgt Ion: 64 Resp: 237

Ion Ratio Lower Upper

64 100

66 0.0 26.6 39.8#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.679 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX044394.D

Acq: 18 Dec 2024 19:28

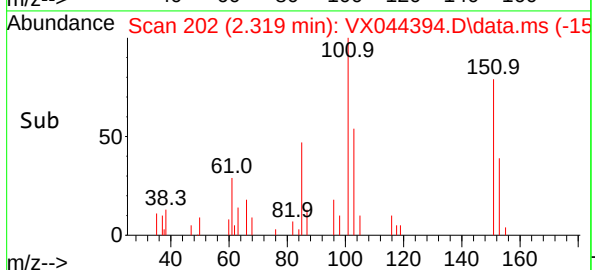
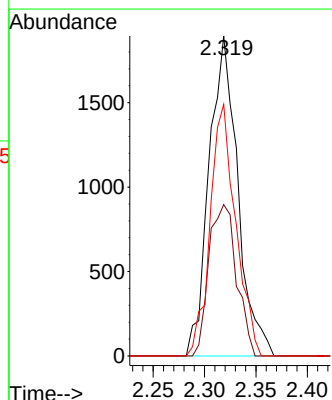
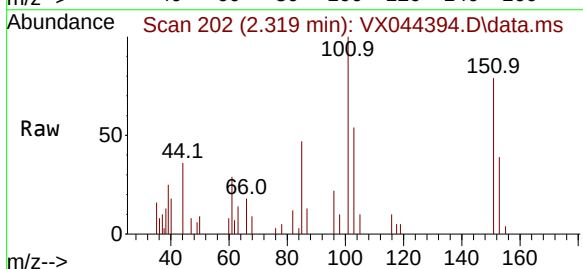
Tgt Ion: 101 Resp: 3669

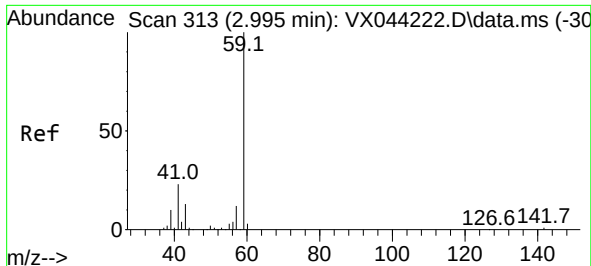
Ion Ratio Lower Upper

101 100

85 45.7 38.5 57.7

151 70.2 55.8 83.6

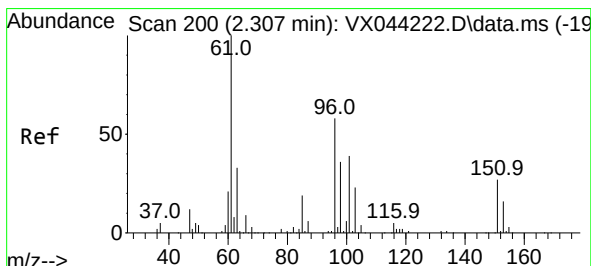
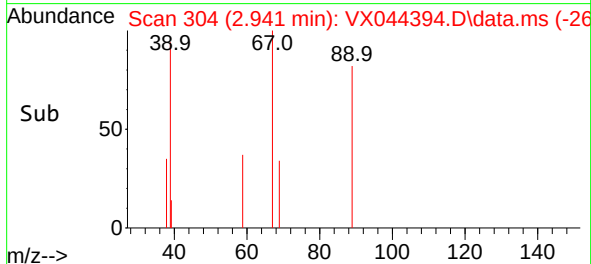
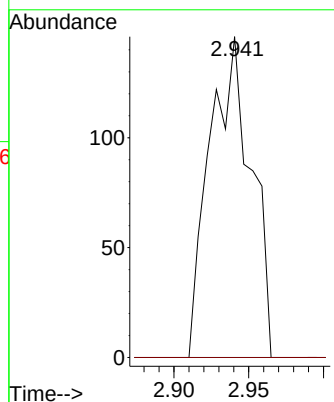
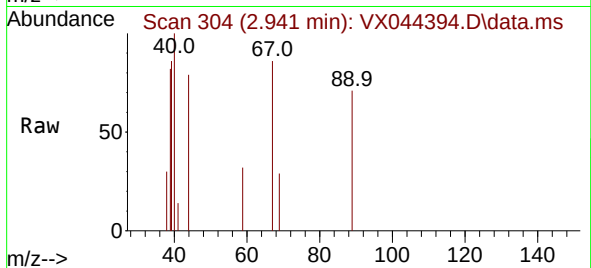




#11
Tert butyl alcohol
Concen: 1.017 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX044394.D
Acq: 18 Dec 2024 19:28

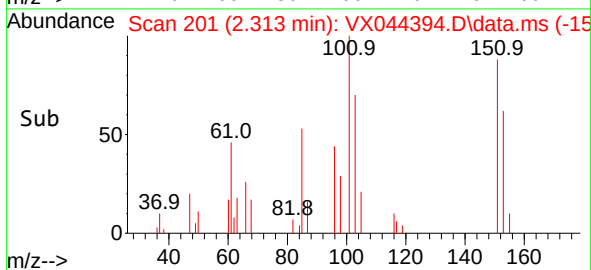
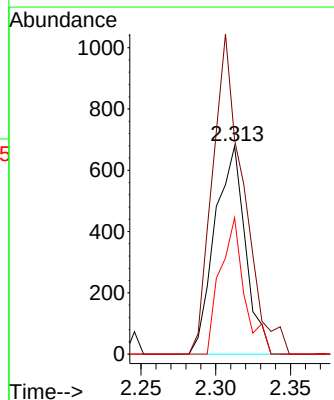
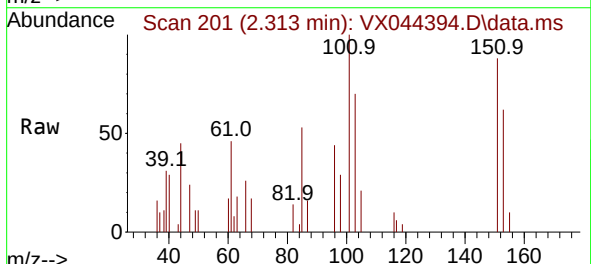
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20241210

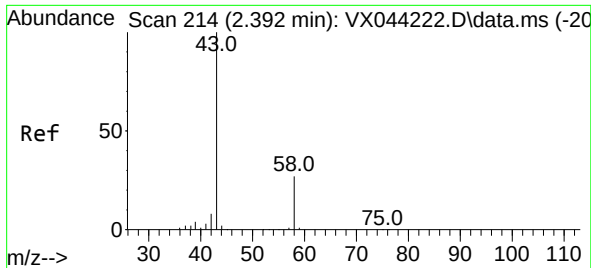
Tgt Ion: 59 Resp: 282
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 0.767 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044394.D
Acq: 18 Dec 2024 19:28

Tgt Ion: 96 Resp: 965
Ion Ratio Lower Upper
96 100
61 102.9 138.0 207.0#
98 65.5 50.0 75.0





#16

Acetone

Concen: 1.081 ug/l

RT: 2.380 min Scan# 214

Delta R.T. -0.012 min

Lab File: VX044394.D

Acq: 18 Dec 2024 19:28

Instrument :

MSVOA_X

ClientSampleId :

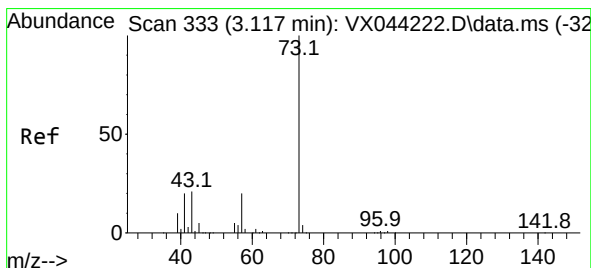
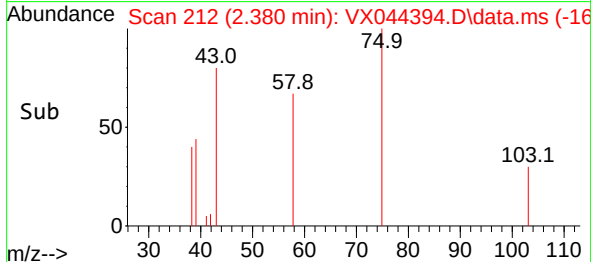
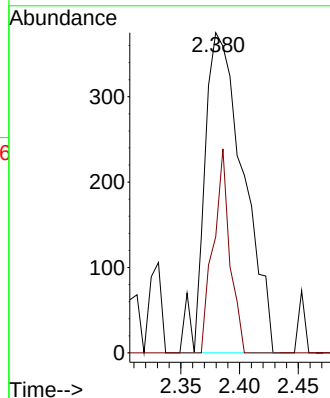
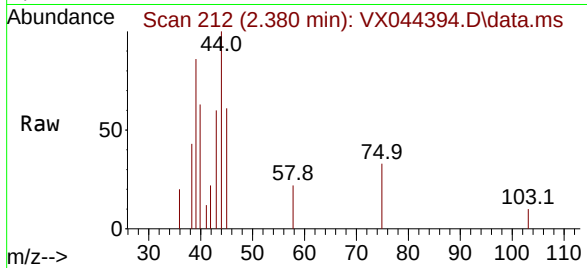
RE125D1-20241210

Tgt Ion: 43 Resp: 867

Ion Ratio Lower Upper

43 100

58 36.3 21.6 32.4#



#19

Methyl tert-butyl Ether

Concen: 0.810 ug/l

RT: 3.117 min Scan# 333

Delta R.T. -0.000 min

Lab File: VX044394.D

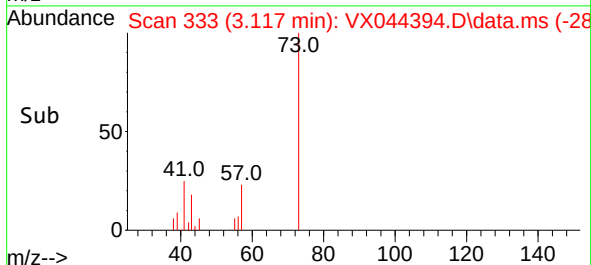
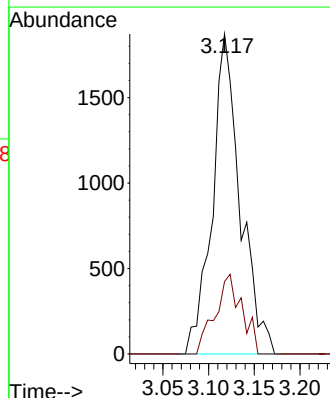
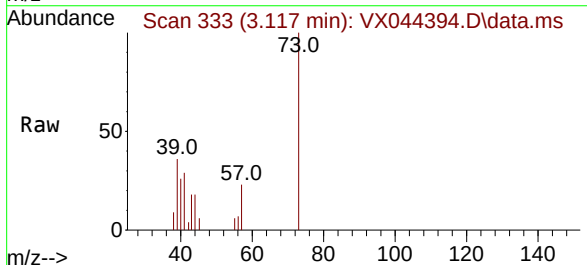
Acq: 18 Dec 2024 19:28

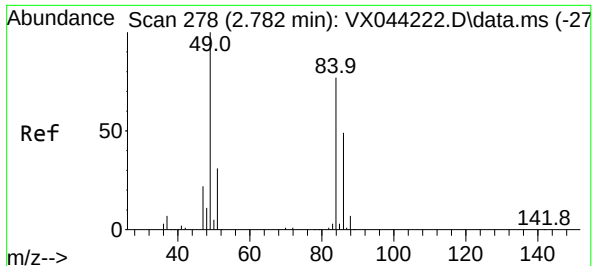
Tgt Ion: 73 Resp: 3975

Ion Ratio Lower Upper

73 100

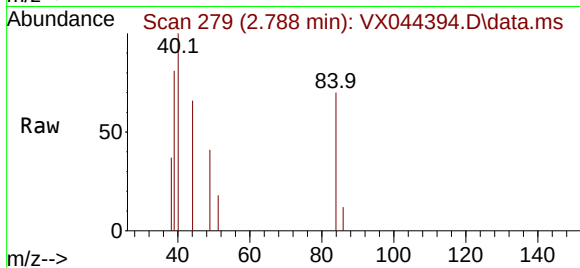
57 22.6 16.2 24.4



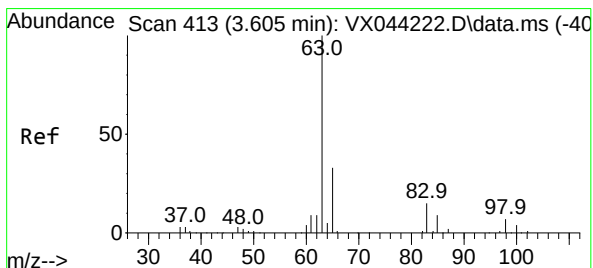
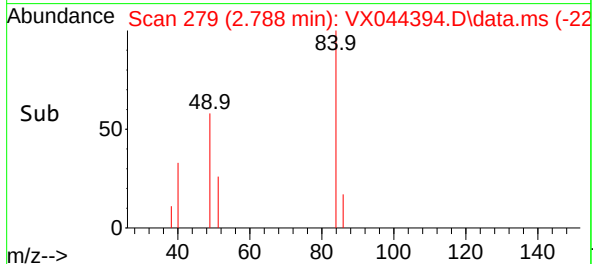
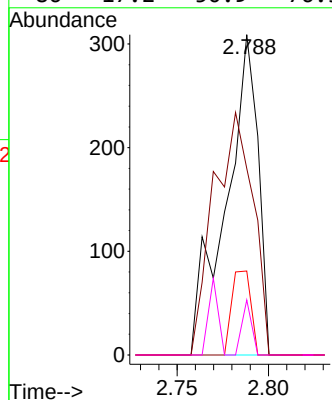


#20
Methylene Chloride
Concen: 0.250 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX044394.D
Acq: 18 Dec 2024 19:28

Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20241210

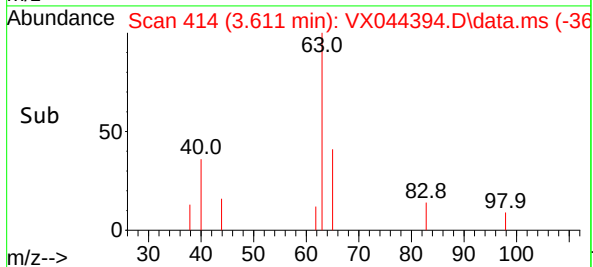
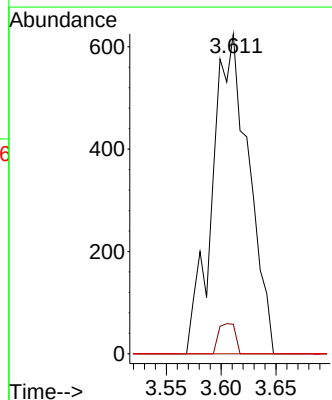
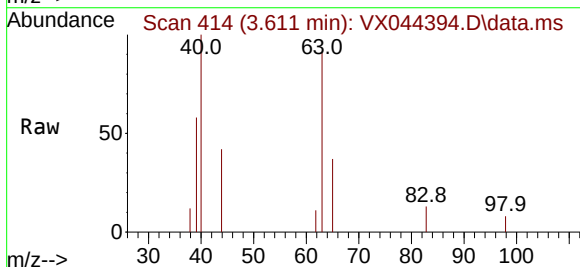


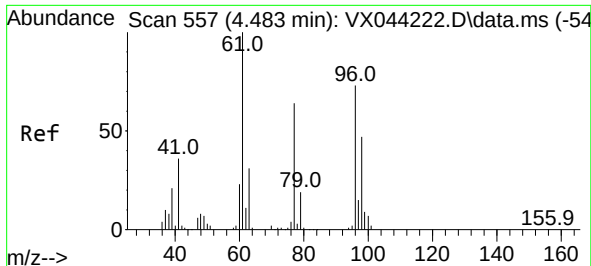
Tgt Ion:	84	Resp:	377
Ion	Ratio	Lower	Upper
84	100		
49	58.3	104.2	156.4#
51	26.2	32.2	48.4#
86	17.2	50.9	76.3#



#24
1,1-Dichloroethane
Concen: 0.549 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX044394.D
Acq: 18 Dec 2024 19:28

Tgt Ion:	63	Resp:	1443
Ion	Ratio	Lower	Upper
63	100		
98	9.3	3.6	10.8
100	0.0	2.1	6.3#

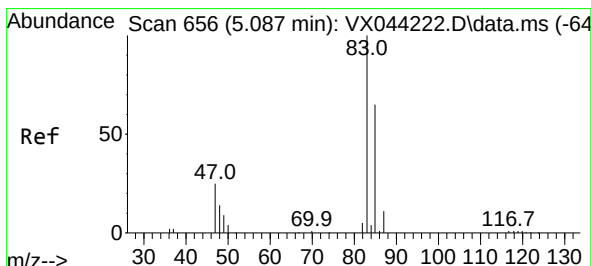
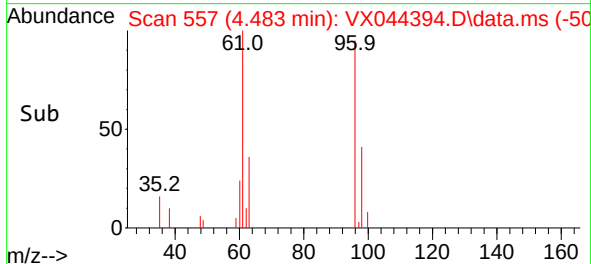
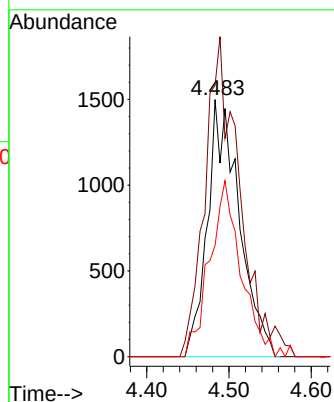
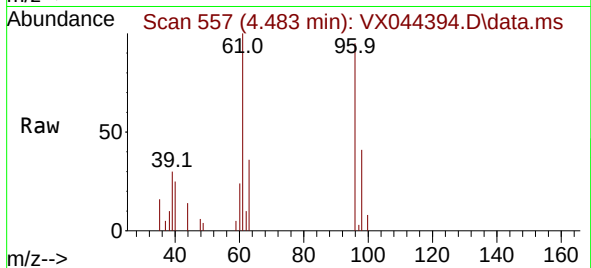




#27
cis-1,2-Dichloroethene
Concen: 2.372 ug/l
RT: 4.483 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX044394.D
Acq: 18 Dec 2024 19:28

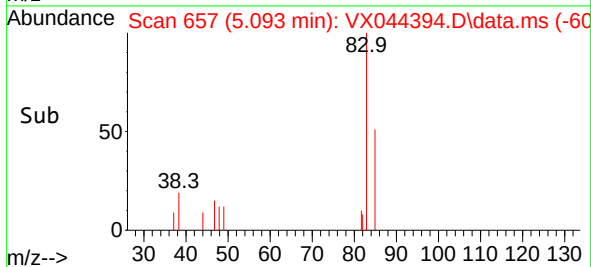
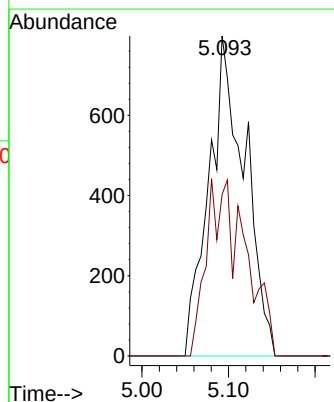
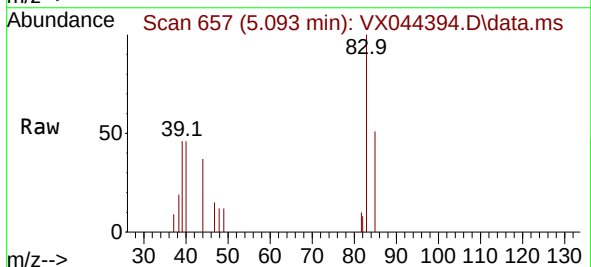
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MSVOA_X
ClientSampleId :
RE125D1-20241210

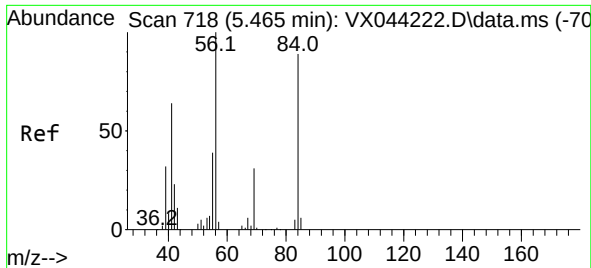
Tgt Ion: 96 Resp: 4027
Ion Ratio Lower Upper
96 100
61 134.8 0.0 299.0
98 68.0 0.0 129.0



#30
Chloroform
Concen: 0.780 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044394.D
Acq: 18 Dec 2024 19:28

Tgt Ion: 83 Resp: 2304
Ion Ratio Lower Upper
83 100
85 50.5 51.6 77.4#

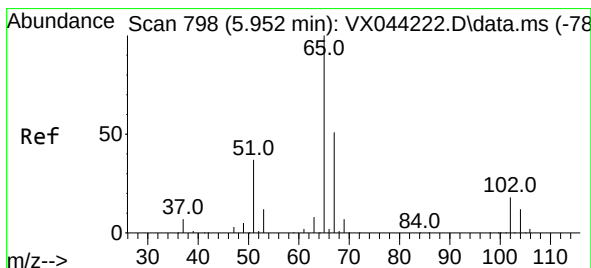
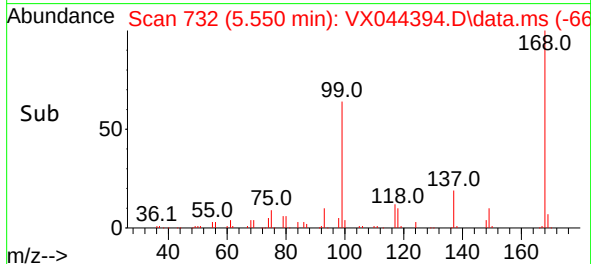
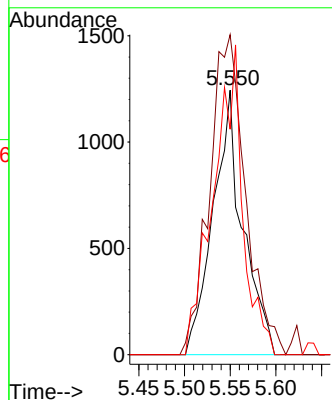
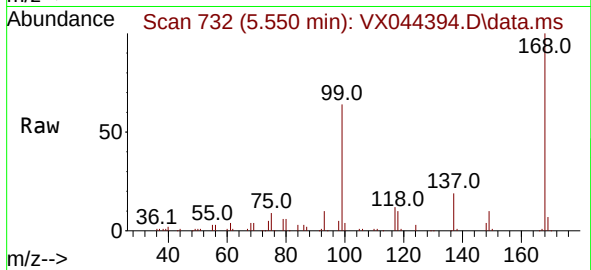




#31
Cyclohexane
Concen: 1.328 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX044394.D
Acq: 18 Dec 2024 19:28

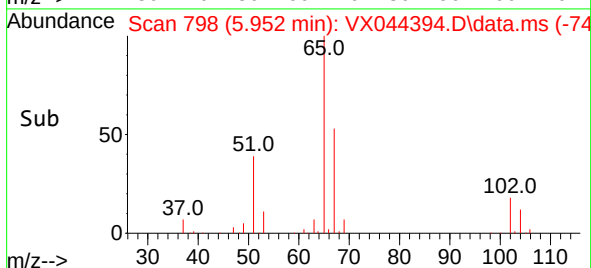
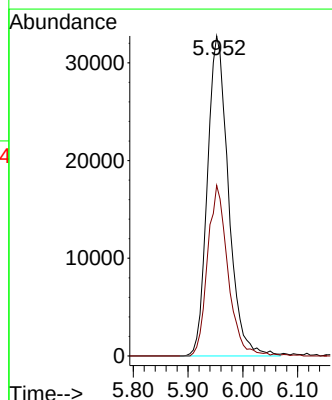
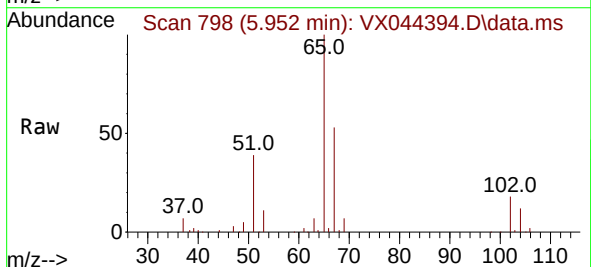
Instrument :
MSVOA_X
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RE125D1-20241210

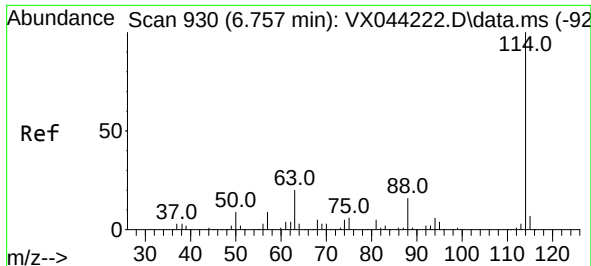
Tgt Ion: 56 Resp: 2820
Ion Ratio Lower Upper
56 100
69 121.0 24.7 37.1#
84 85.2 71.0 106.6



#33
1,2-Dichloroethane-d4
Concen: 44.299 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX044394.D
Acq: 18 Dec 2024 19:28

Tgt Ion: 65 Resp: 87151
Ion Ratio Lower Upper
65 100
67 51.9 0.0 101.6

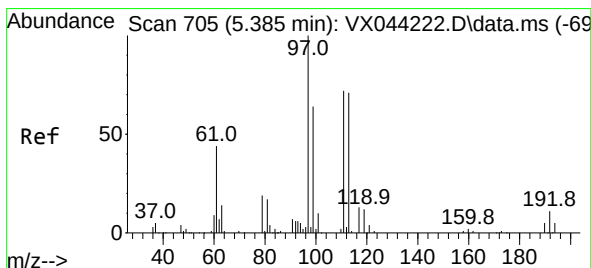
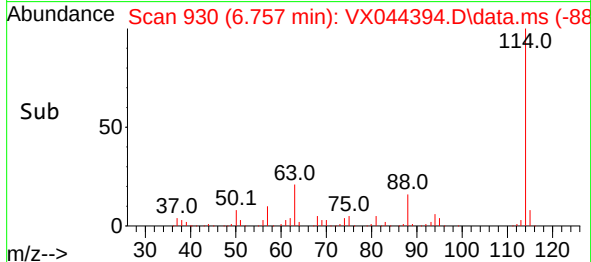
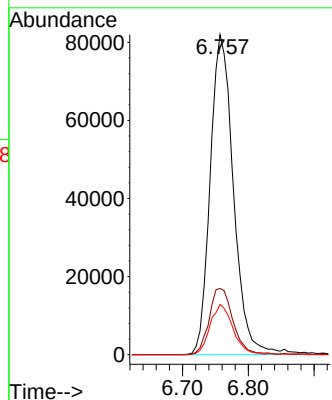
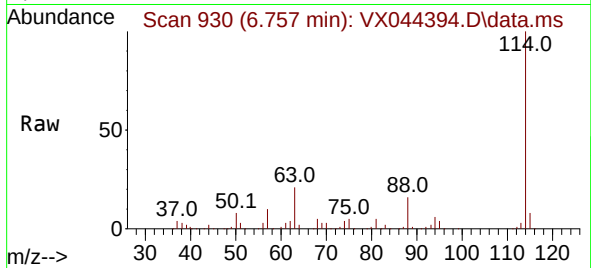




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX044394.D
Acq: 18 Dec 2024 19:28

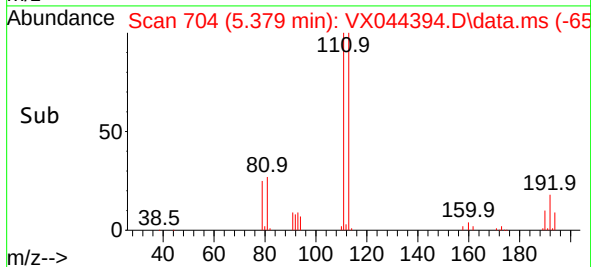
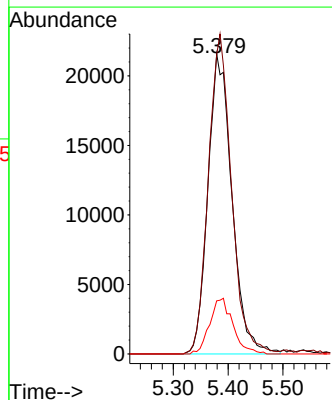
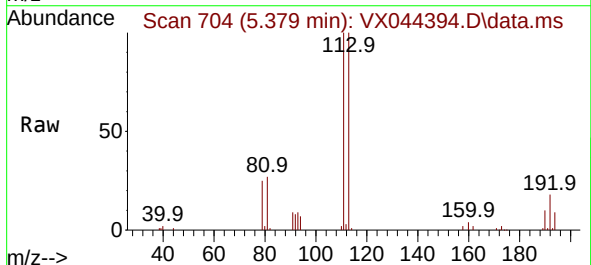
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20241210

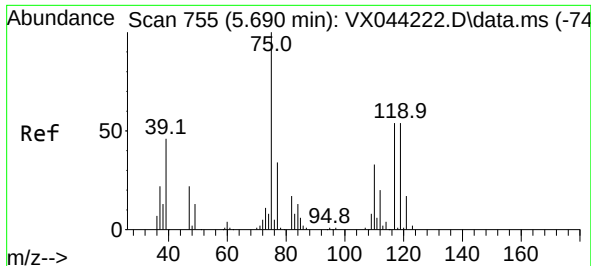
Tgt Ion:114 Resp: 201079
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.6
88 15.7 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.117 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX044394.D
Acq: 18 Dec 2024 19:28

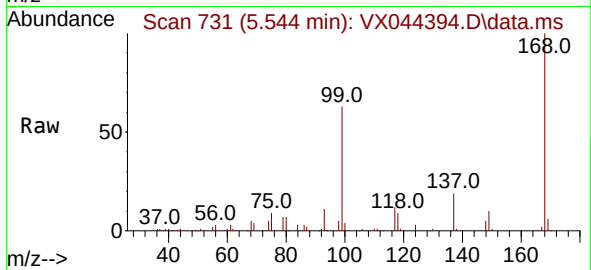
Tgt Ion:113 Resp: 65617
Ion Ratio Lower Upper
113 100
111 102.7 80.4 120.6
192 17.9 13.3 19.9



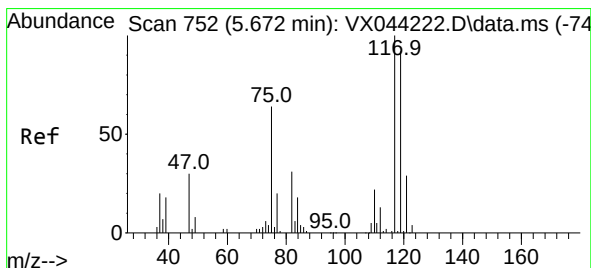
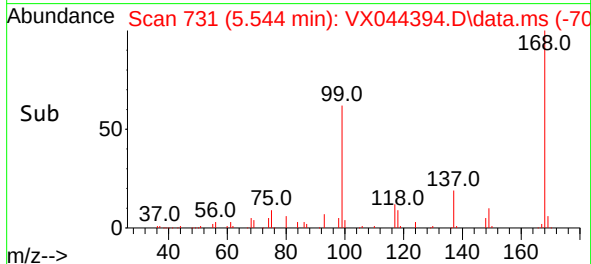
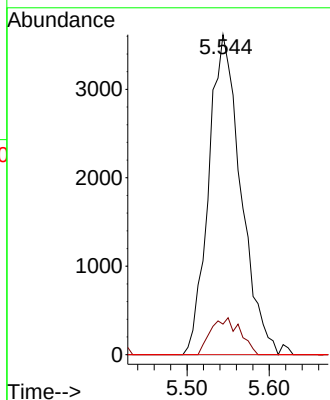


#36
1,1-Dichloropropene
Concen: 5.467 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX044394.D
Acq: 18 Dec 2024 19:28

Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20241210

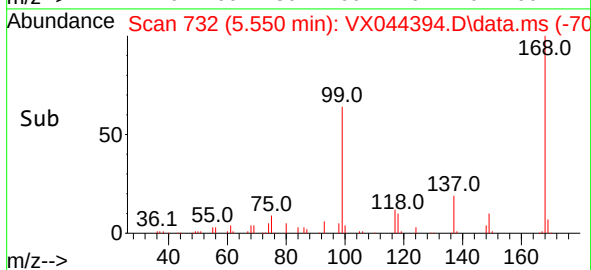
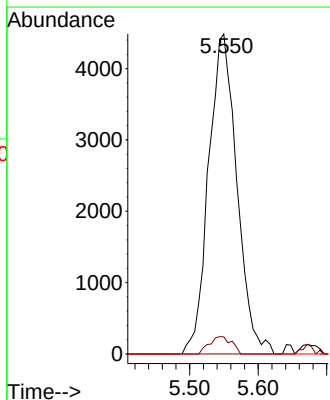
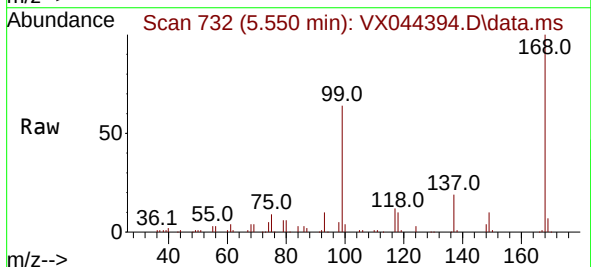


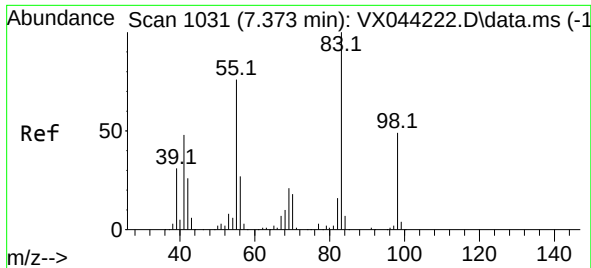
Tgt Ion: 75 Resp: 9842
Ion Ratio Lower Upper
75 100
110 10.5 17.3 51.7#
77 0.0 25.4 38.0#



#38
Carbon Tetrachloride
Concen: 6.645 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX044394.D
Acq: 18 Dec 2024 19:28

Tgt Ion: 117 Resp: 12878
Ion Ratio Lower Upper
117 100
119 5.3 74.2 111.4#
121 0.0 23.0 34.6#

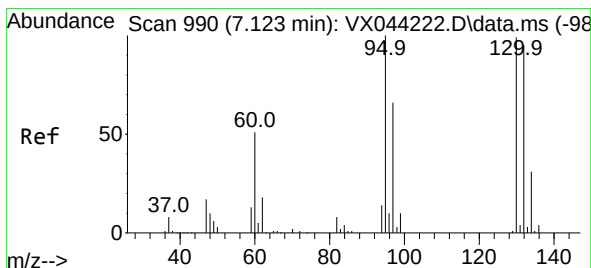
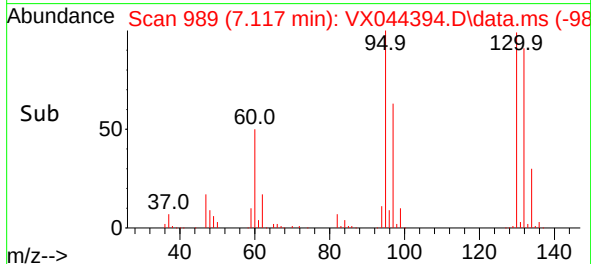
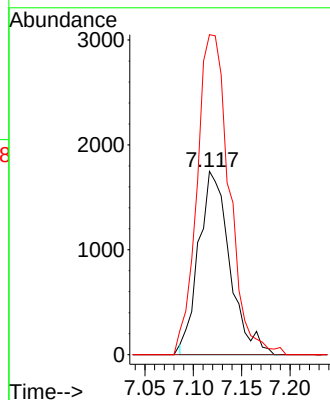
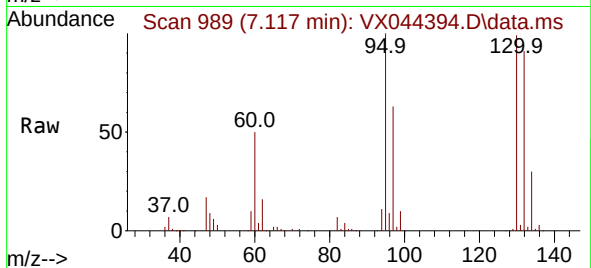




#39
Methylcyclohexane
Concen: 1.812 ug/l
RT: 7.117 min Scan# 91
Delta R.T. -0.256 min
Lab File: VX044394.D
Acq: 18 Dec 2024 19:28

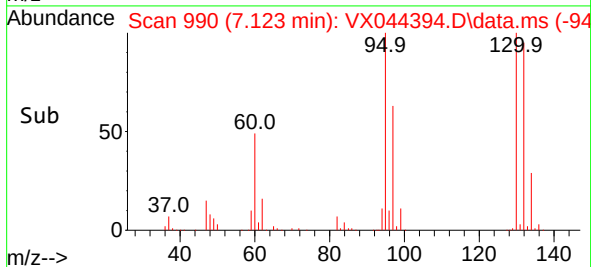
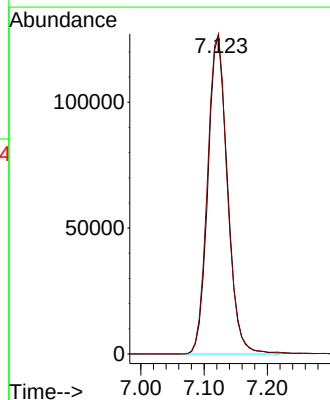
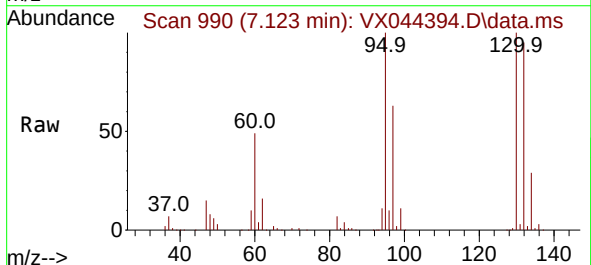
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20241210

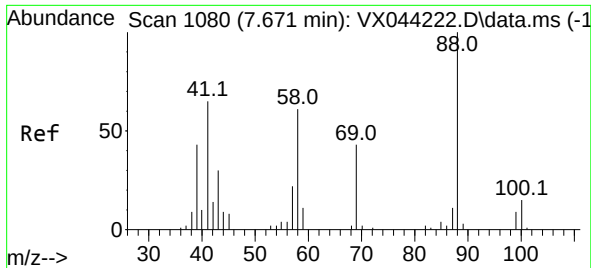
Tgt Ion: 83 Resp: 3899
Ion Ratio Lower Upper
83 100
55 0.0 60.7 91.1#
98 164.2 38.9 58.3#



#44
Trichloroethene
Concen: 199.734 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044394.D
Acq: 18 Dec 2024 19:28

Tgt Ion:130 Resp: 272237
Ion Ratio Lower Upper
130 100
95 100.4 0.0 201.4

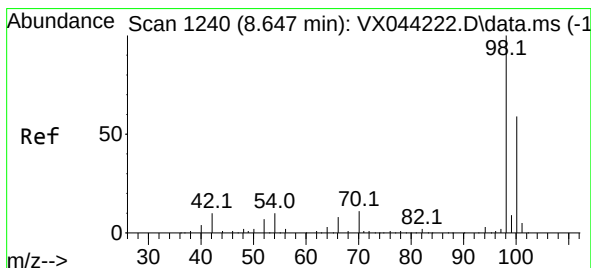
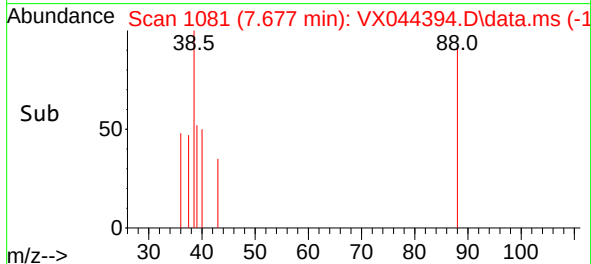
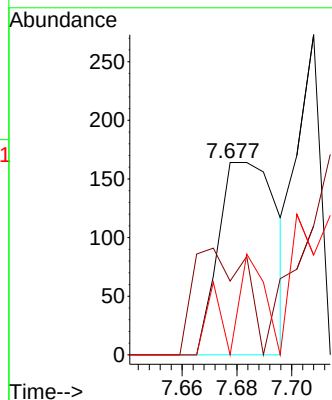
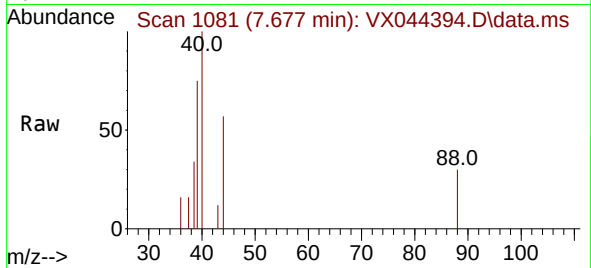




#49
1,4-Dioxane
Concen: 8.717 ug/l
RT: 7.677 min Scan# 1080
Delta R.T. 0.006 min
Lab File: VX044394.D
Acq: 18 Dec 2024 19:28

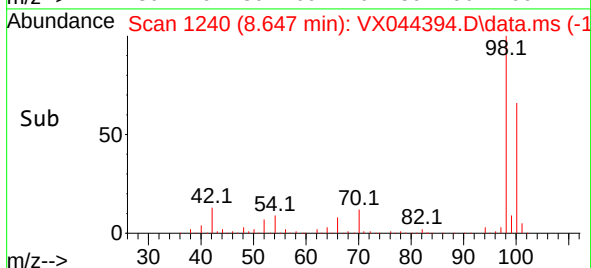
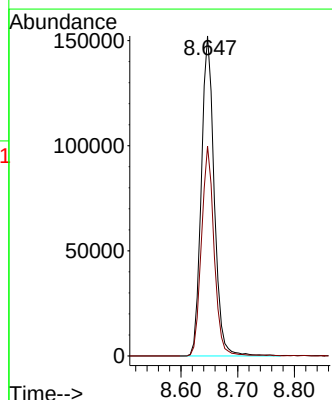
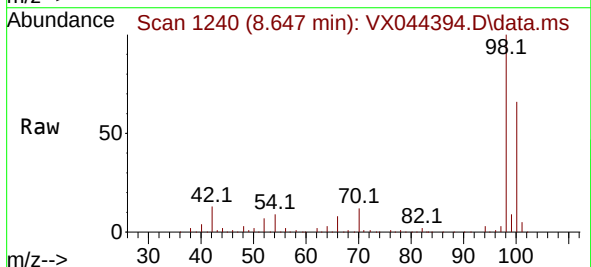
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20241210

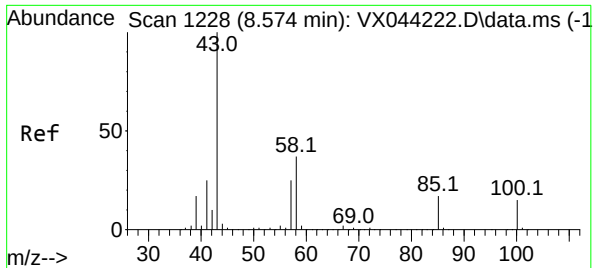
Tgt Ion: 88 Resp: 244
Ion Ratio Lower Upper
88 100
43 48.8 27.1 40.7#
58 31.6 41.0 61.4#



#50
Toluene-d8
Concen: 51.221 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044394.D
Acq: 18 Dec 2024 19:28

Tgt Ion: 98 Resp: 240656
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3

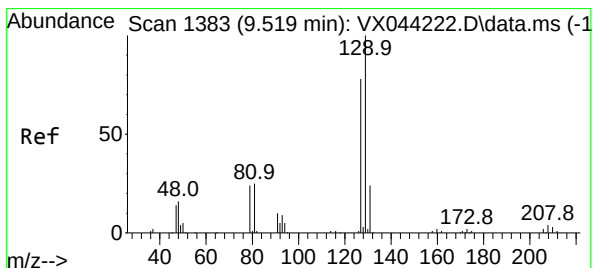
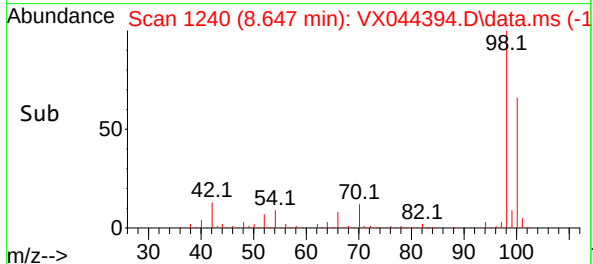
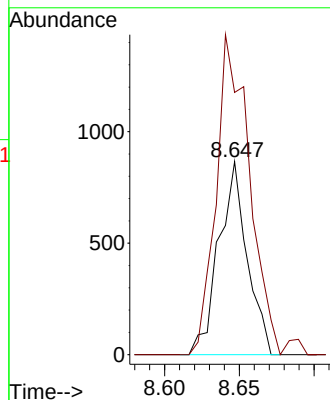
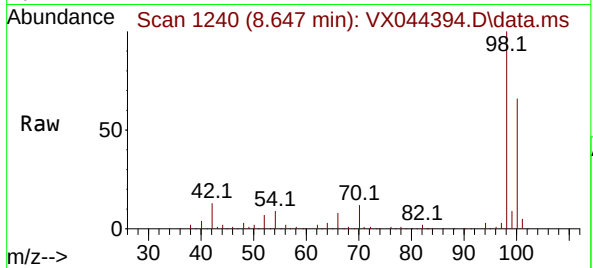




#51
4-Methyl-2-Pentanone
Concen: 0.511 ug/l
RT: 8.647 min Scan# 1142
Delta R.T. 0.073 min
Lab File: VX044394.D
Acq: 18 Dec 2024 19:28

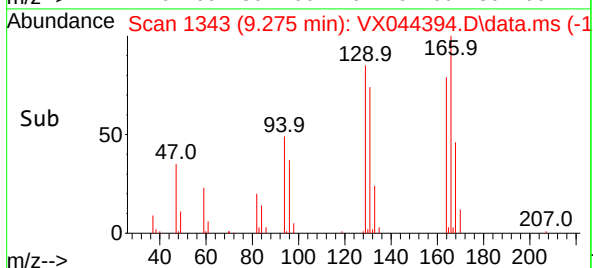
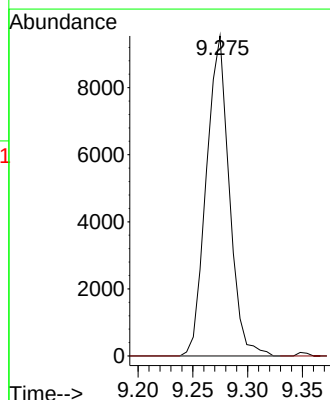
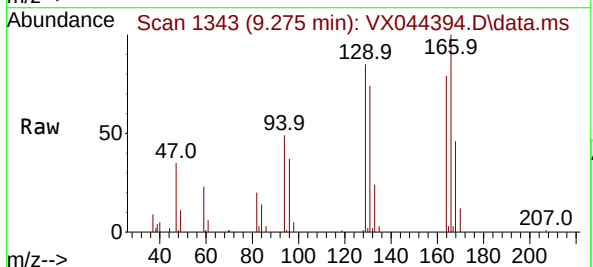
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20241210

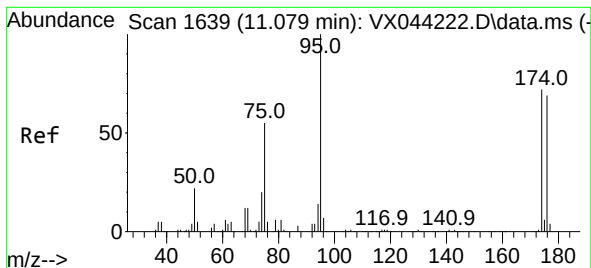
Tgt Ion: 43 Resp: 1142
Ion Ratio Lower Upper
43 100
58 198.1 29.4 44.0#



#60
Dibromochloromethane
Concen: 10.955 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX044394.D
Acq: 18 Dec 2024 19:28

Tgt Ion: 129 Resp: 13888
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

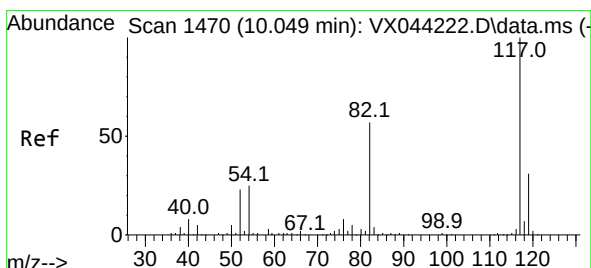
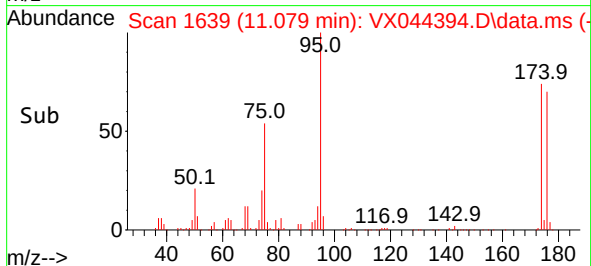
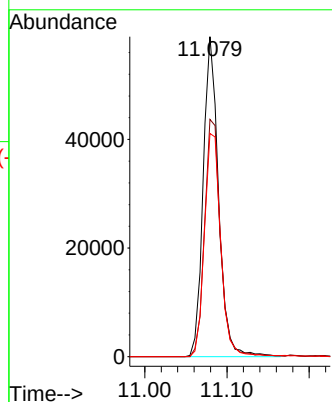
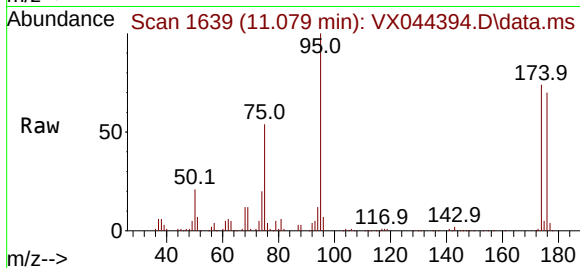




#62
4-Bromofluorobenzene
Concen: 46.599 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044394.D
Acq: 18 Dec 2024 19:28

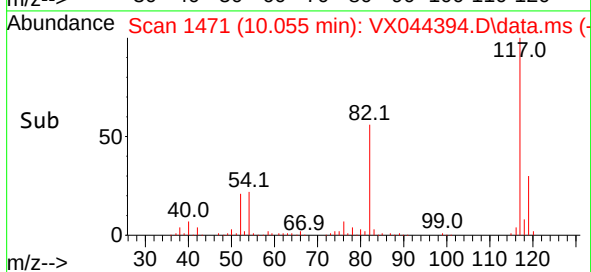
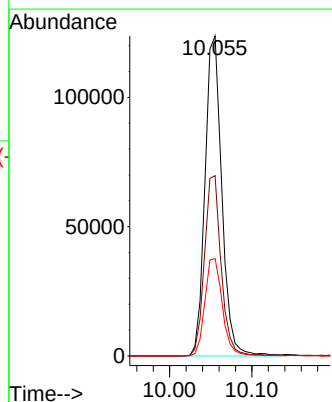
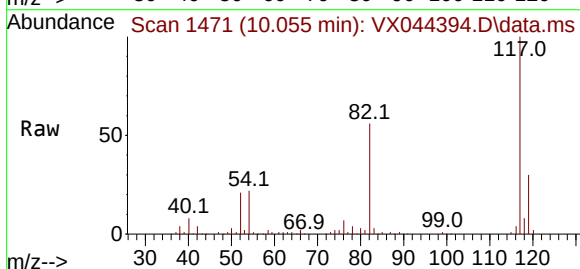
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20241210

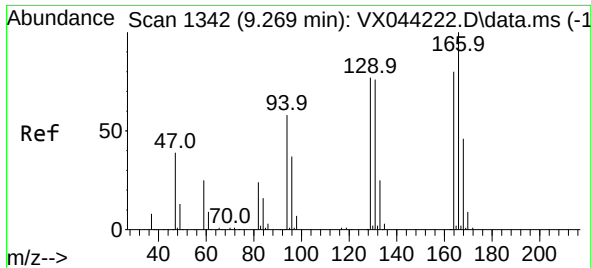
Tgt Ion: 95 Resp: 76504
Ion Ratio Lower Upper
95 100
174 76.9 0.0 145.8
176 74.0 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044394.D
Acq: 18 Dec 2024 19:28

Tgt Ion: 117 Resp: 175960
Ion Ratio Lower Upper
117 100
82 56.4 45.8 68.8
119 30.4 25.0 37.4





#64

Tetrachloroethene

Concen: 11.240 ug/l

RT: 9.275 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044394.D

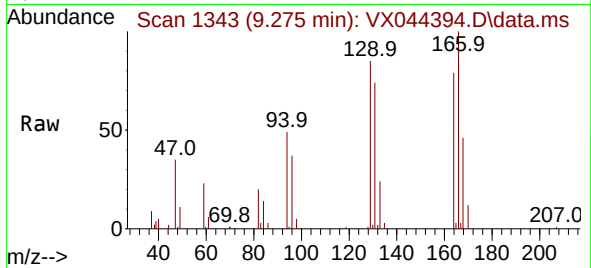
Acq: 18 Dec 2024 19:28

Instrument :

MSVOA_X

ClientSampleId :

RE125D1-20241210



Tgt Ion:164 Resp: 13127

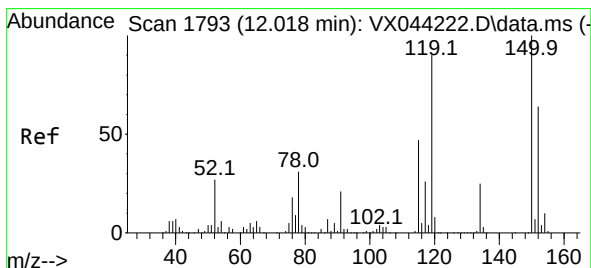
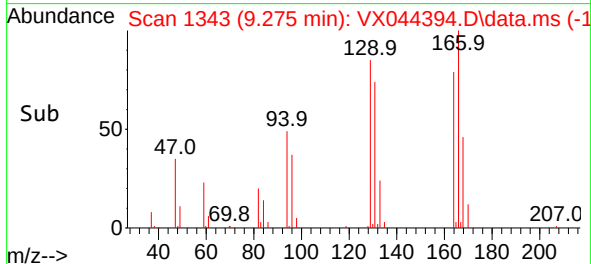
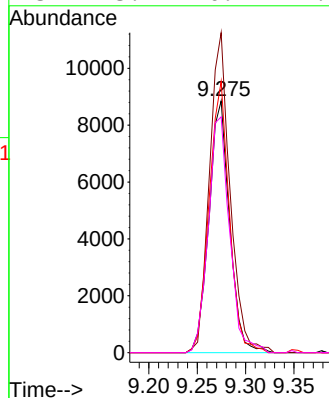
Ion Ratio Lower Upper

164 100

166 127.1 100.4 150.6

129 107.7 77.2 115.8

131 93.7 76.2 114.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX044394.D

Acq: 18 Dec 2024 19:28

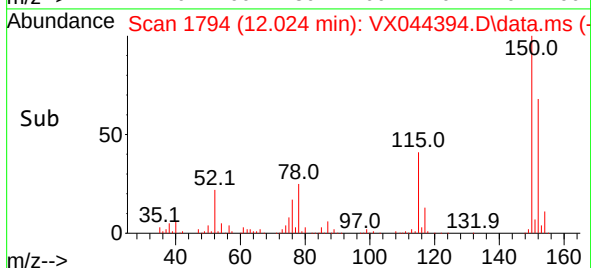
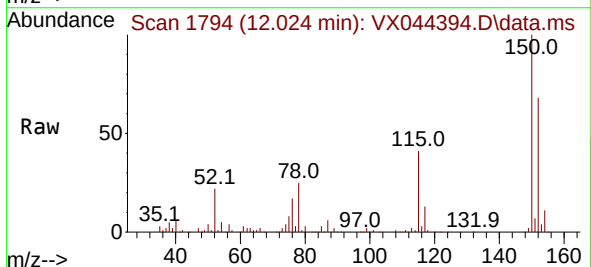
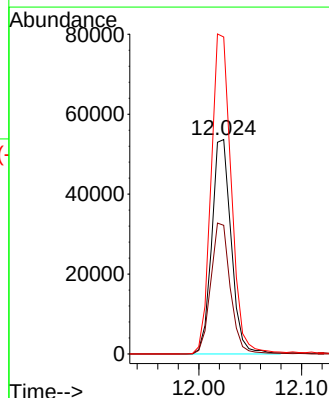
Tgt Ion:152 Resp: 70513

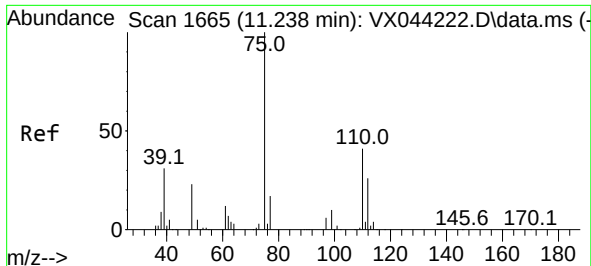
Ion Ratio Lower Upper

152 100

115 61.4 44.5 133.3

150 155.9 0.0 353.8

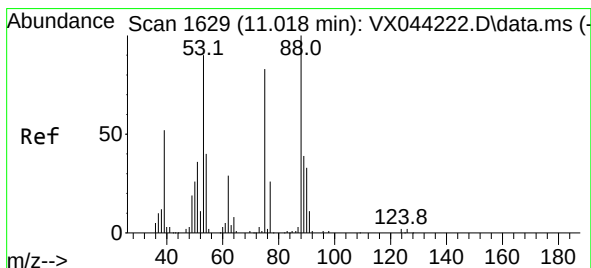
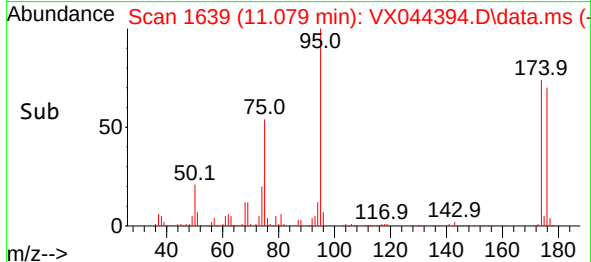
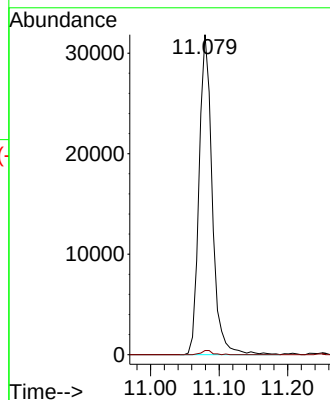
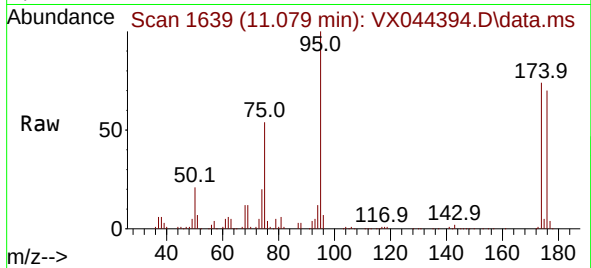




#76
1,2,3-Trichloropropane
Concen: 27.065 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044394.D
Acq: 18 Dec 2024 19:28

Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20241210

Tgt Ion: 75 Resp: 42610
Ion Ratio Lower Upper
75 100
77 1.1 20.9 62.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.479 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044394.D
Acq: 18 Dec 2024 19:28

Tgt Ion: 75 Resp: 42610
Ion Ratio Lower Upper
75 100
53 0.0 93.6 140.4#
89 0.0 37.3 55.9#

