

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
 Data File : VX044192.D
 Acq On : 09 Dec 2024 16:51
 Operator : JC/MD
 Sample : P5164-01 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D2-20241206

Quant Time: Dec 10 01:45:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

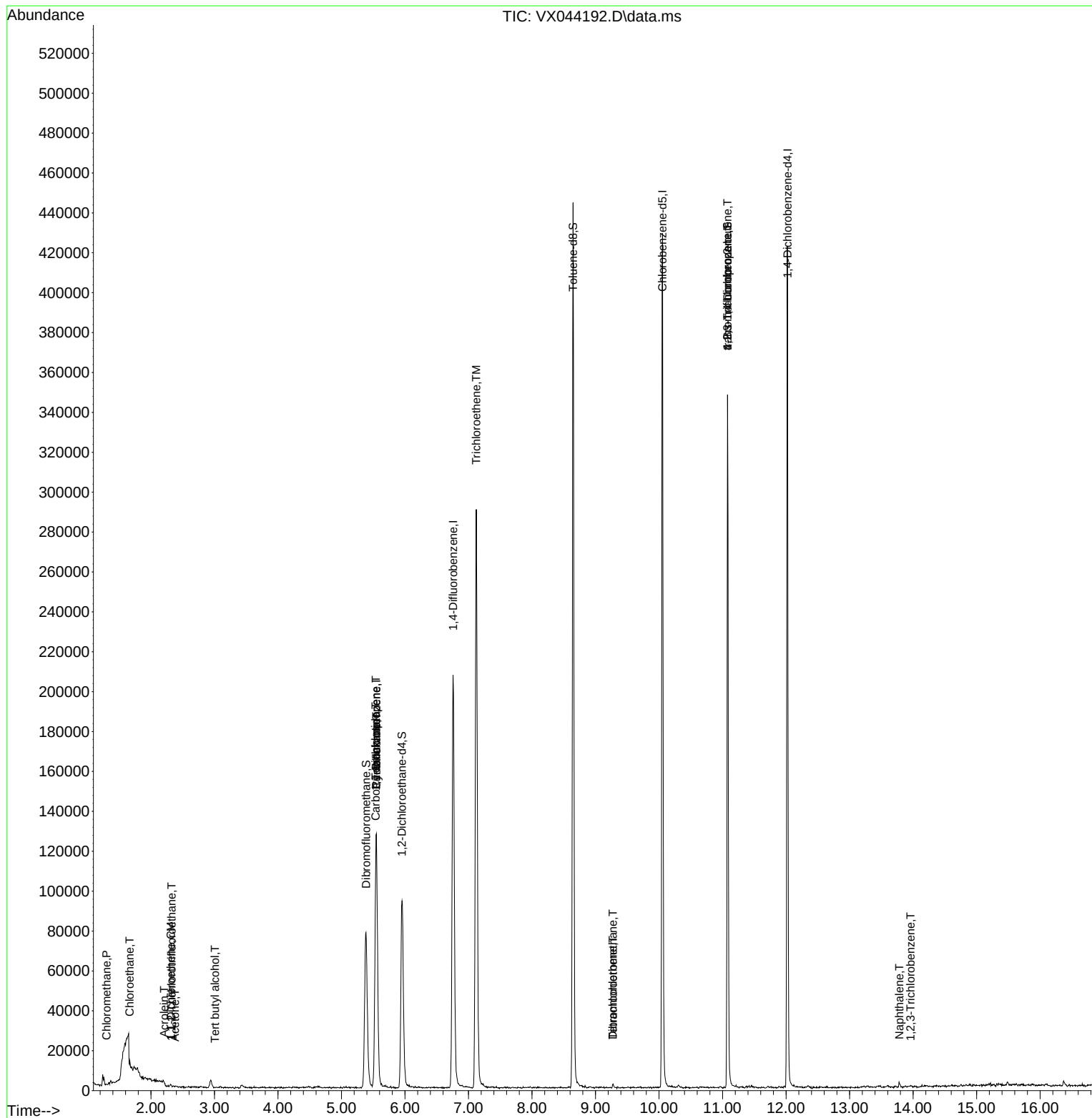
Internal Standards						
1) Pentafluorobenzene	5.550	168	107002	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	205381	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93887	51.157	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.320%	
35) Dibromofluoromethane	5.385	113	67725	46.148	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 92.300%	
50) Toluene-d8	8.647	98	256043	50.613	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.220%	
62) 4-Bromofluorobenzene	11.079	95	89607	52.047	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.100%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	289	0.203	ug/l #	42
6) Chloroethane	1.666	64	341	0.369	ug/l #	68
9) 1,1,2-Trichlorotrifluo...	2.325	101	279	0.216	ug/l #	57
11) Tert butyl alcohol	3.007	59	68	0.231	ug/l #	73
12) 1,1-Dichloroethene	2.313	96	259	0.210	ug/l #	53
13) Acrolein	2.209	56	132	0.425	ug/l #	41
16) Acetone	2.380	43	744	0.883	ug/l #	75
31) Cyclohexane	5.550	56	3269	1.598	ug/l #	53
36) 1,1-Dichloropropene	5.544	75	10311	5.638	ug/l #	49
38) Carbon Tetrachloride	5.538	117	13378	6.510	ug/l #	16
44) Trichloroethene	7.123	130	104717	64.937	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.287	63	20	Below Cal	#	46
60) Dibromochloromethane	9.275	129	343	0.243	ug/l #	11
64) Tetrachloroethene	9.275	164	296	0.243	ug/l #	68
76) 1,2,3-Trichloropropane	11.079	75	51173	28.860	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	51173	78.752	ug/l #	7
95) Naphthalene	13.786	128	2164	0.374	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.963	180	395	0.243	ug/l #	69

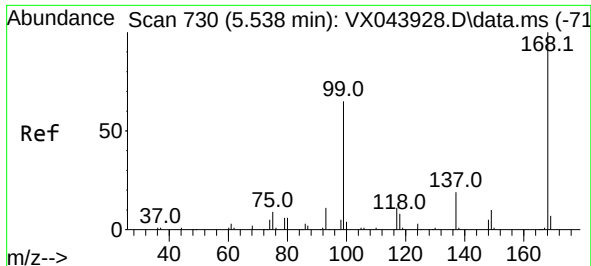
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

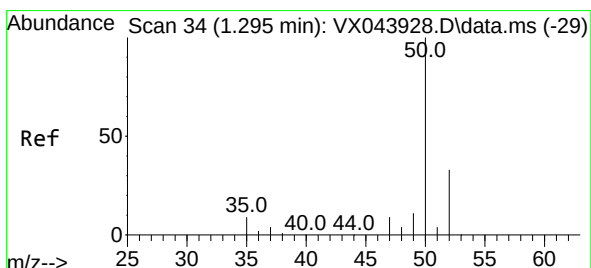
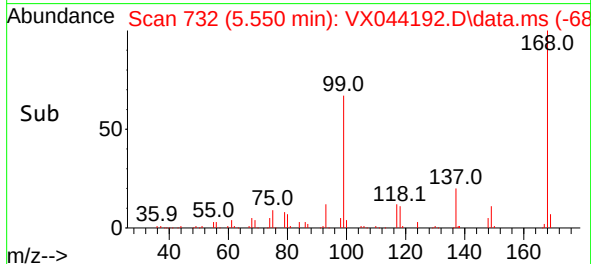
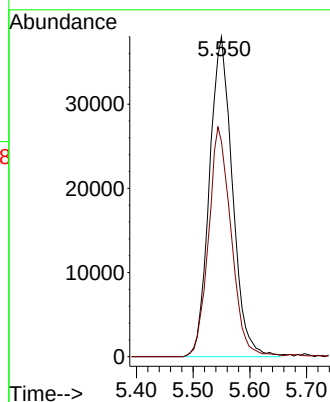
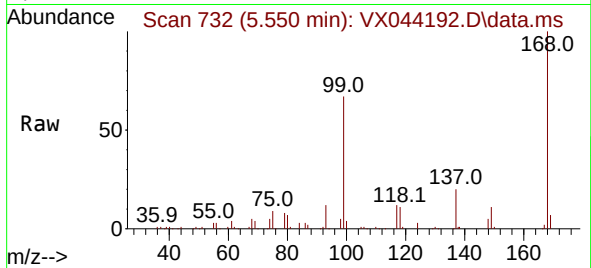




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

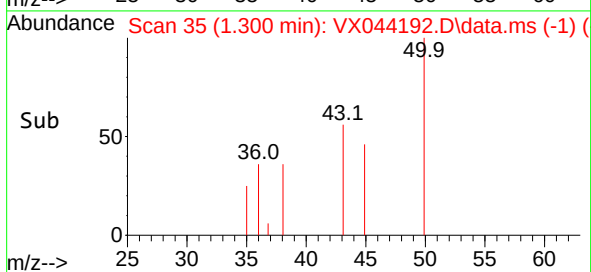
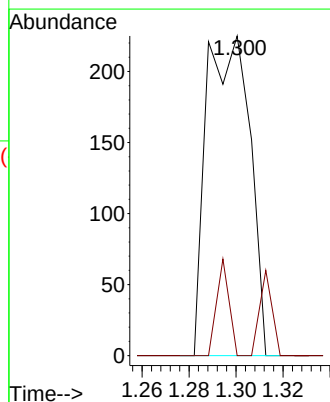
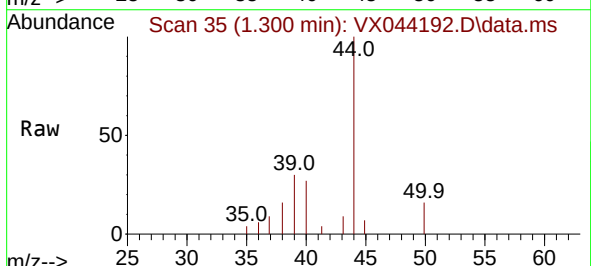
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20241206

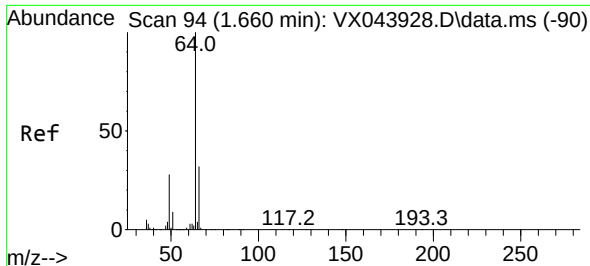
Tgt Ion:168 Resp: 107002
Ion Ratio Lower Upper
168 100
99 67.2 51.8 77.8



#3
Chloromethane
Concen: 0.203 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

Tgt Ion: 50 Resp: 289
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#

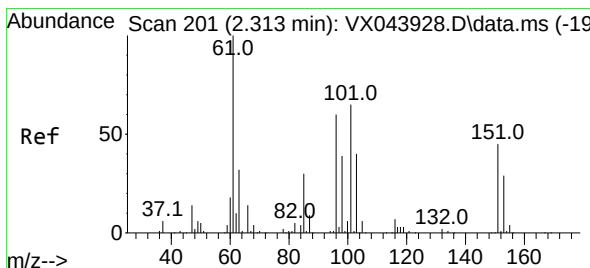
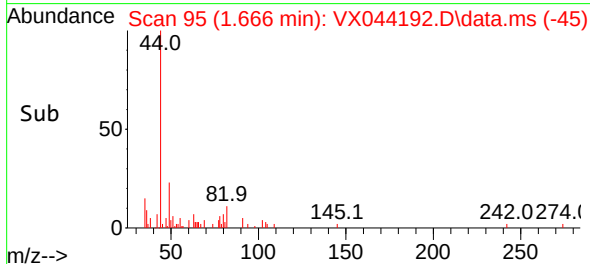
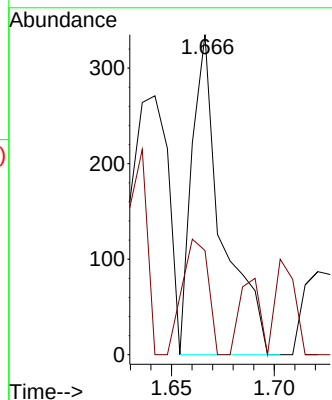
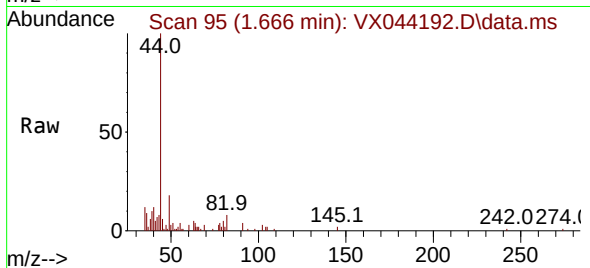




#6
Chloroethane
Concen: 0.369 ug/l
RT: 1.666 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

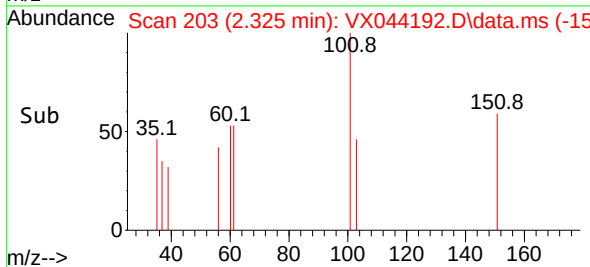
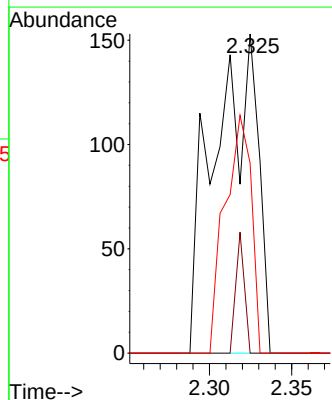
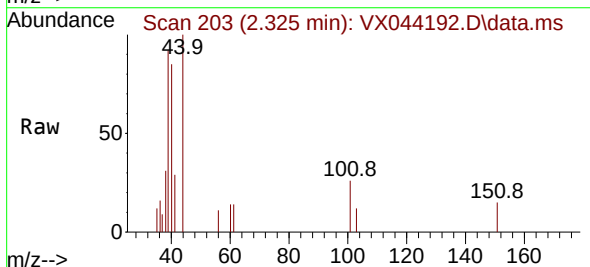
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20241206

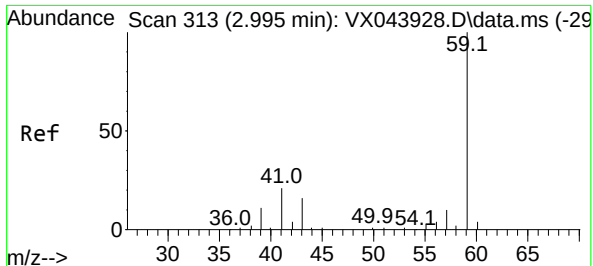
Tgt Ion: 64 Resp: 341
Ion Ratio Lower Upper
64 100
66 14.3 25.9 38.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.216 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.012 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

Tgt Ion: 101 Resp: 279
Ion Ratio Lower Upper
101 100
85 7.5 37.9 56.9#
151 45.5 57.5 86.3#





#11

Tert butyl alcohol

Concen: 0.231 ug/l

RT: 3.007 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX044192.D

Acq: 09 Dec 2024 16:51

Instrument :

MSVOA_X

ClientSampleId :

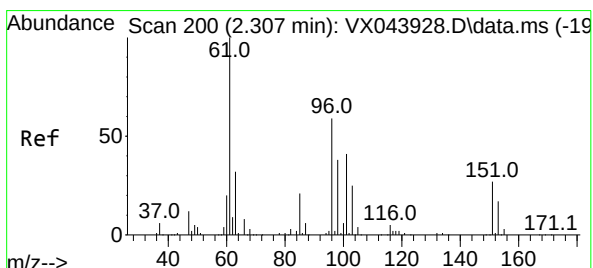
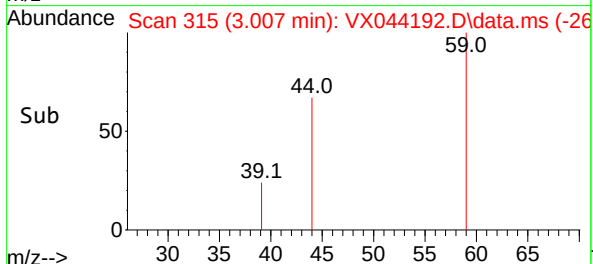
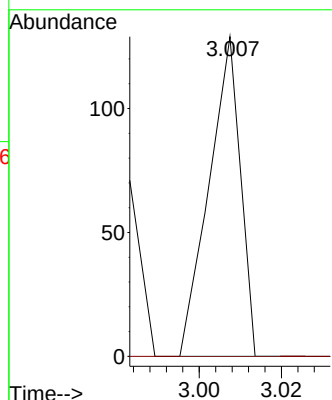
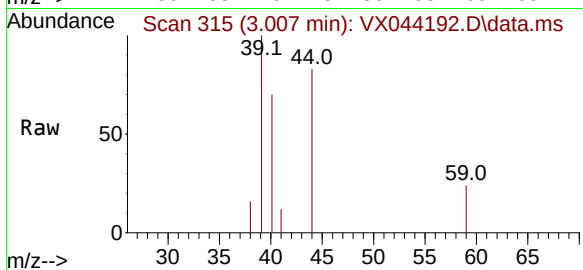
RE108D2-20241206

Tgt Ion: 59 Resp: 68

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



#12

1,1-Dichloroethene

Concen: 0.210 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX044192.D

Acq: 09 Dec 2024 16:51

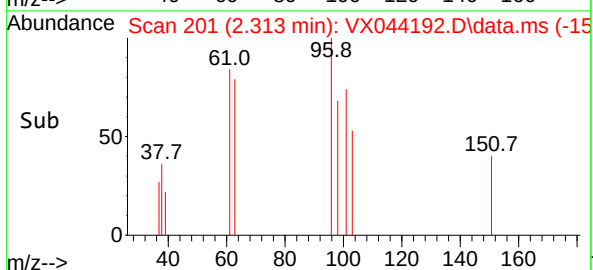
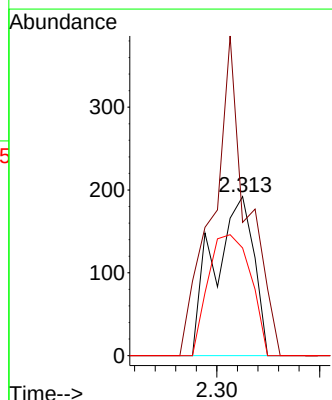
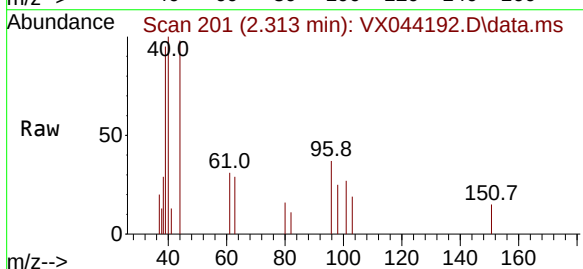
Tgt Ion: 96 Resp: 259

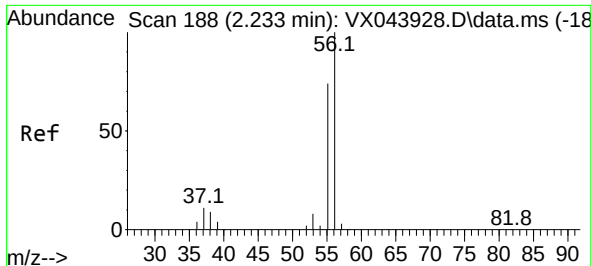
Ion Ratio Lower Upper

96 100

61 83.9 135.5 203.3#

98 67.7 50.8 76.2





#13

Acrolein

Concen: 0.425 ug/l

RT: 2.209 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX044192.D

Acq: 09 Dec 2024 16:51

Instrument :

MSVOA_X

ClientSampleId :

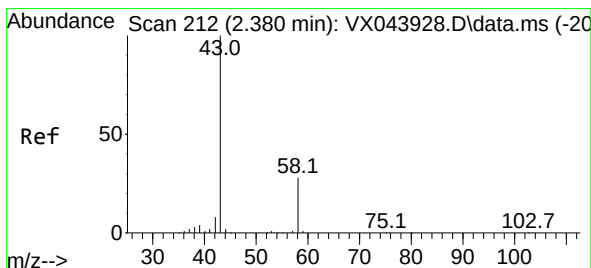
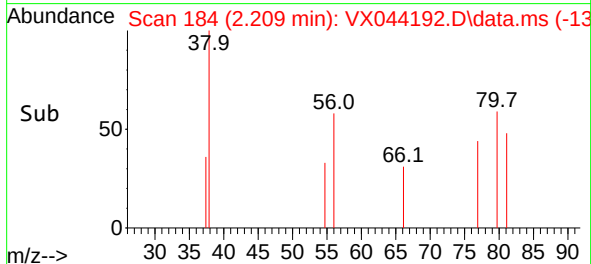
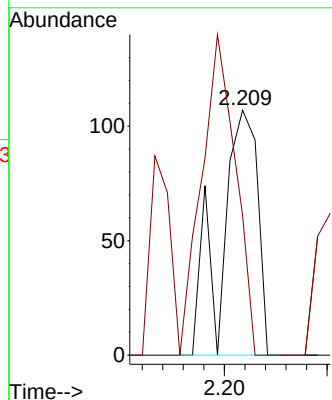
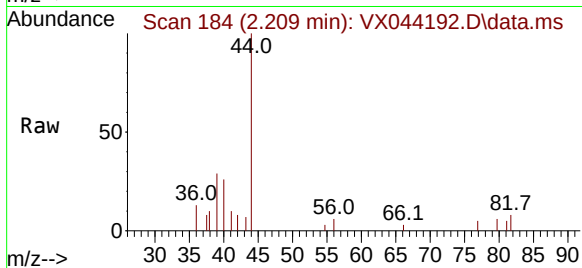
RE108D2-20241206

Tgt Ion: 56 Resp: 132

Ion Ratio Lower Upper

56 100

55 122.0 58.2 87.2#



#16

Acetone

Concen: 0.883 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX044192.D

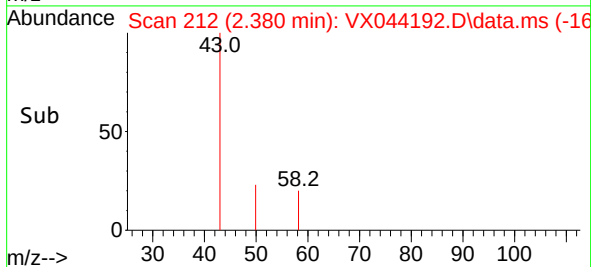
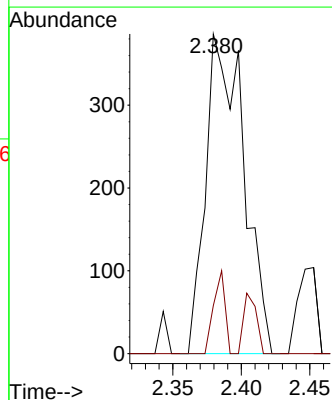
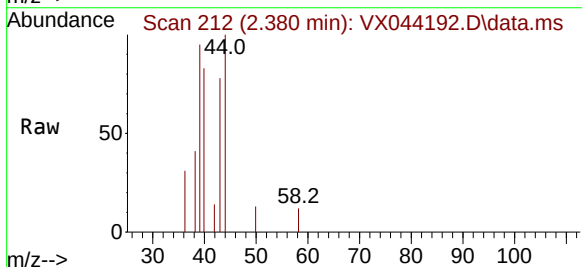
Acq: 09 Dec 2024 16:51

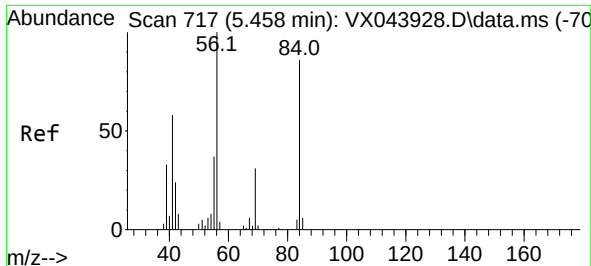
Tgt Ion: 43 Resp: 744

Ion Ratio Lower Upper

43 100

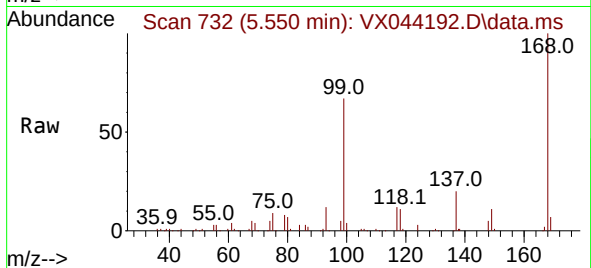
58 15.0 22.7 34.1#



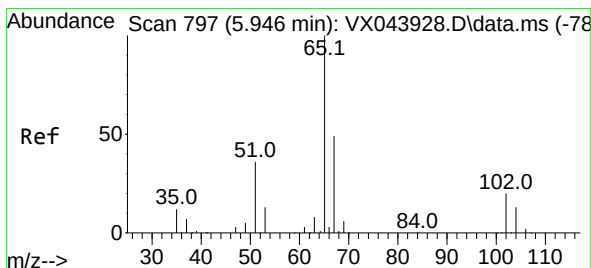
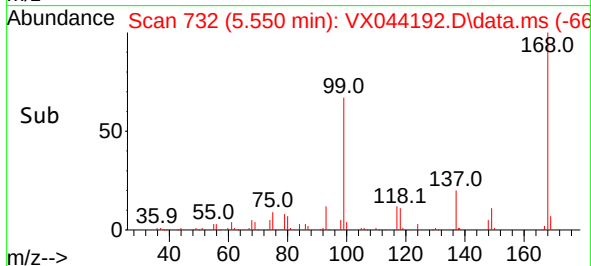
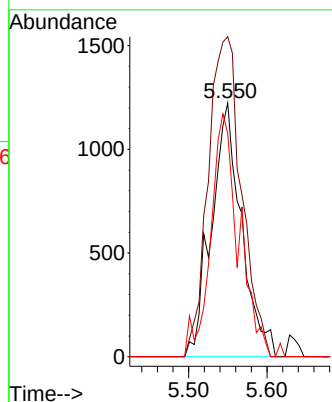


#31
Cyclohexane
Concen: 1.598 ug/l
RT: 5.550 min Scan# 717
Delta R.T. 0.091 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20241206

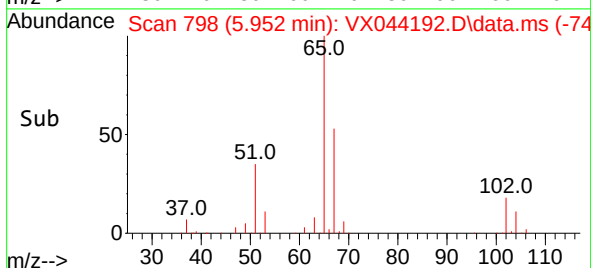
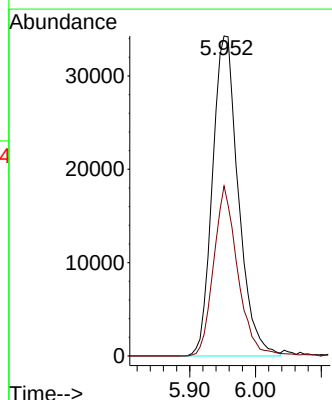
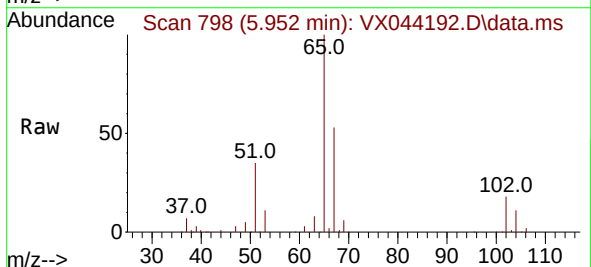


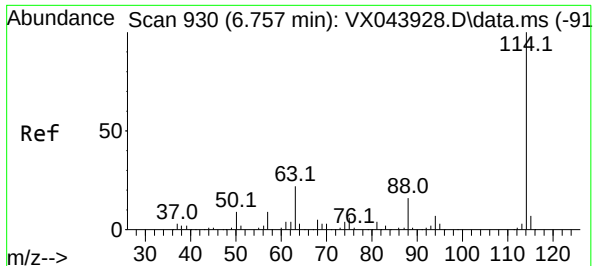
Tgt Ion: 56 Resp: 3269
Ion Ratio Lower Upper
56 100
69 126.1 24.7 37.1#
84 87.9 68.7 103.1



#33
1,2-Dichloroethane-d4
Concen: 51.157 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

Tgt Ion: 65 Resp: 93887
Ion Ratio Lower Upper
65 100
67 49.4 0.0 100.8

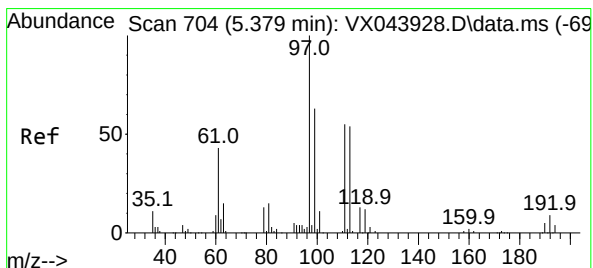
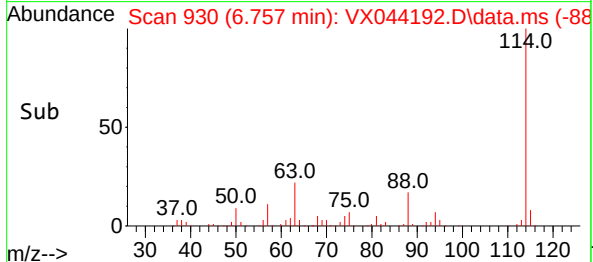
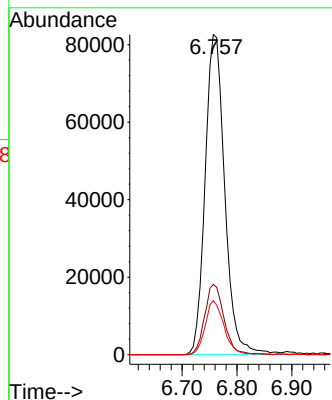
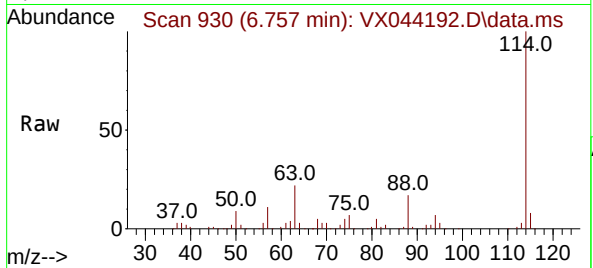




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

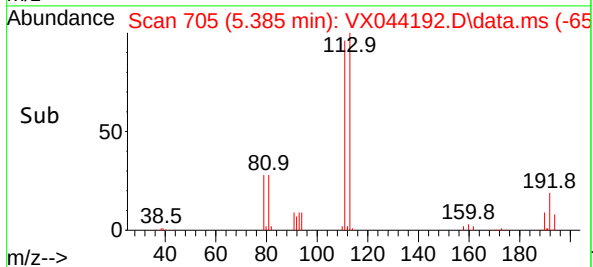
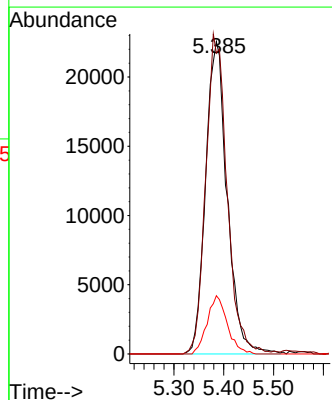
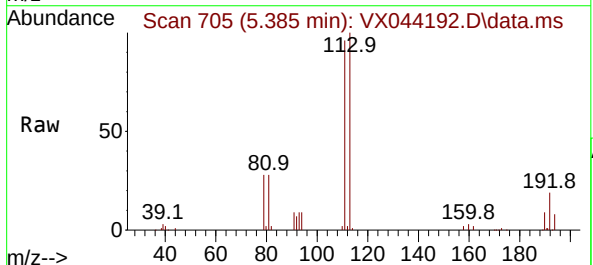
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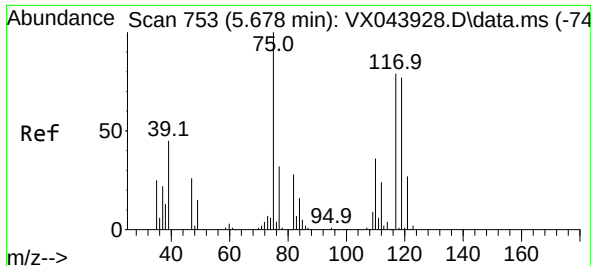
Tgt Ion:114 Resp: 205381
Ion Ratio Lower Upper
114 100
63 22.0 0.0 44.0
88 16.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 46.148 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

Tgt Ion:113 Resp: 67725
Ion Ratio Lower Upper
113 100
111 101.2 81.0 121.4
192 17.4 13.0 19.6

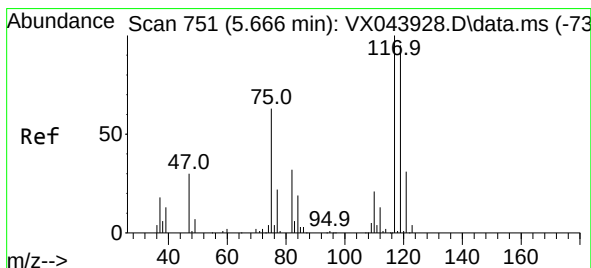
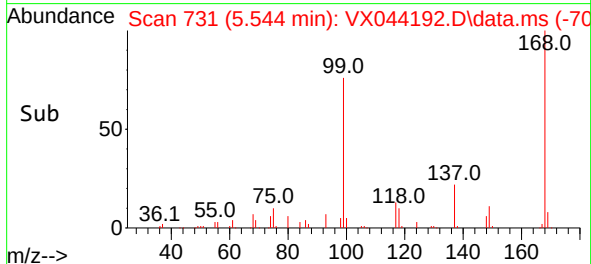
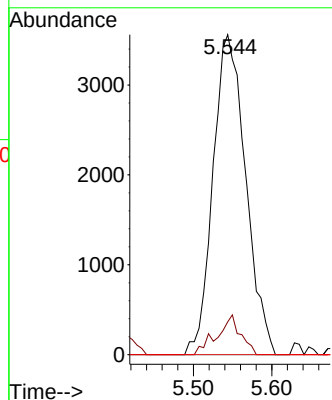
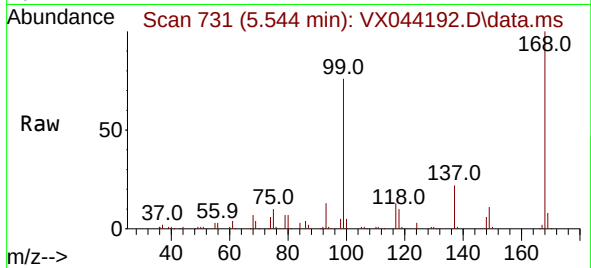




#36
1,1-Dichloropropene
Concen: 5.638 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

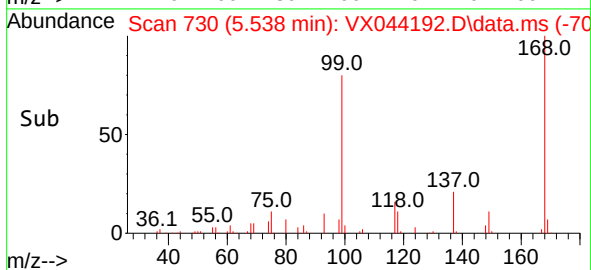
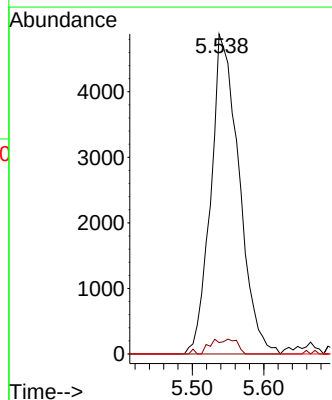
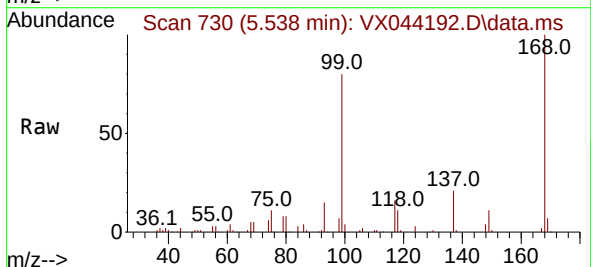
Instrument :
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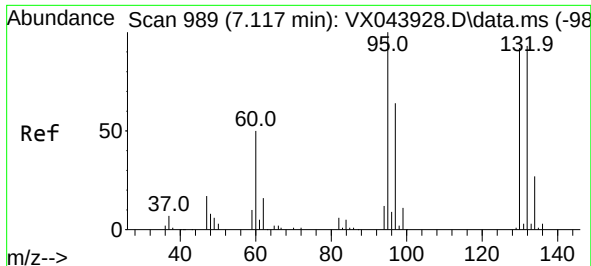
Tgt Ion: 75 Resp: 10311
Ion Ratio Lower Upper
75 100
110 8.9 17.4 52.2#
77 0.0 25.8 38.8#



#38
Carbon Tetrachloride
Concen: 6.510 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.128 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

Tgt Ion: 117 Resp: 13378
Ion Ratio Lower Upper
117 100
119 3.6 75.2 112.8#
121 0.0 24.5 36.7#

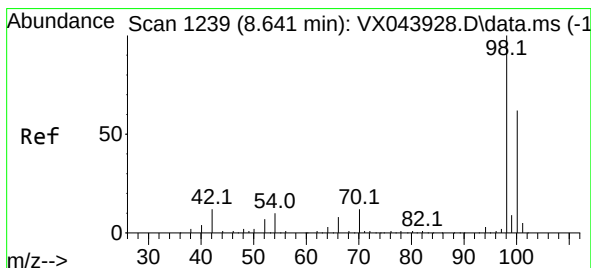
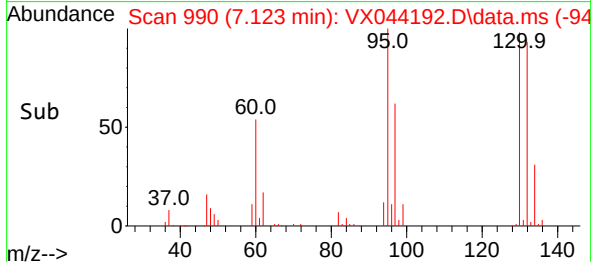
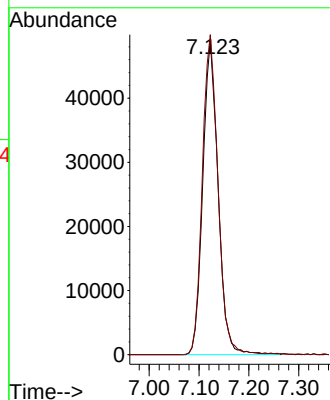
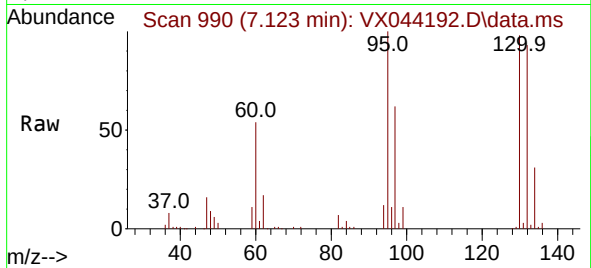




#44
Trichloroethene
Concen: 64.937 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

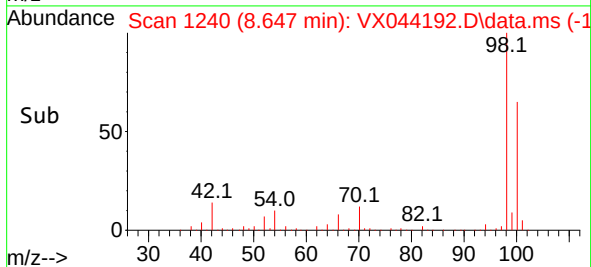
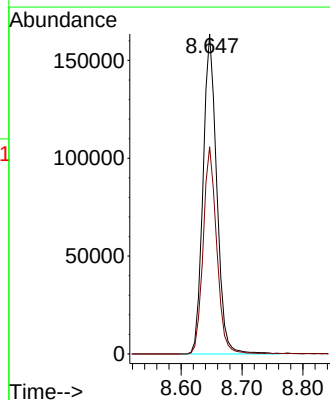
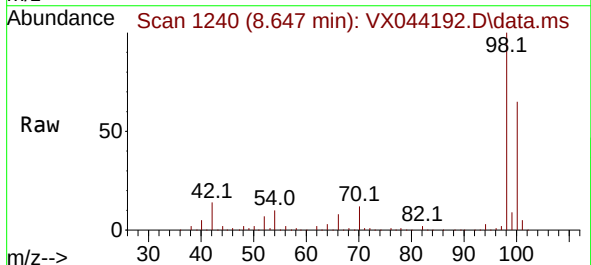
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20241206

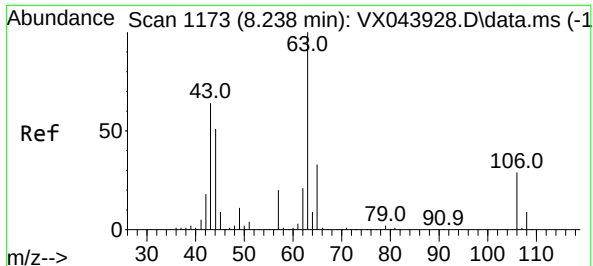
Tgt Ion:130 Resp: 104717
Ion Ratio Lower Upper
130 100
95 101.7 0.0 217.8



#50
Toluene-d8
Concen: 50.613 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

Tgt Ion: 98 Resp: 256043
Ion Ratio Lower Upper
98 100
100 63.8 52.6 79.0

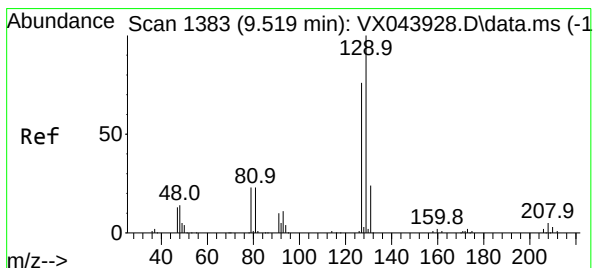
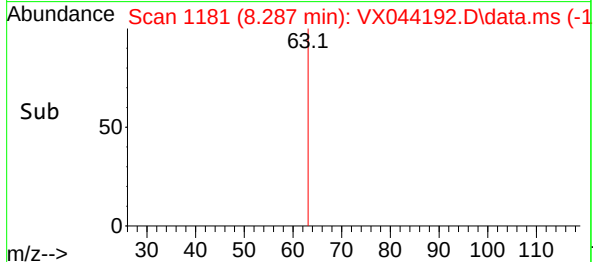
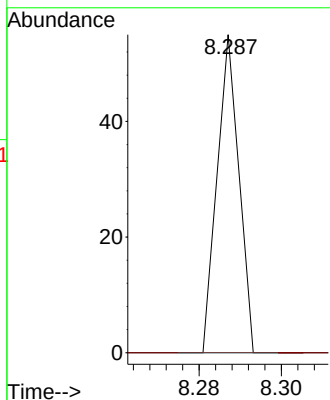
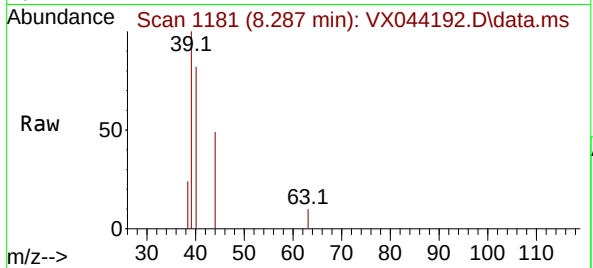




#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 8.287 min Scan# 1173
Delta R.T. 0.049 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

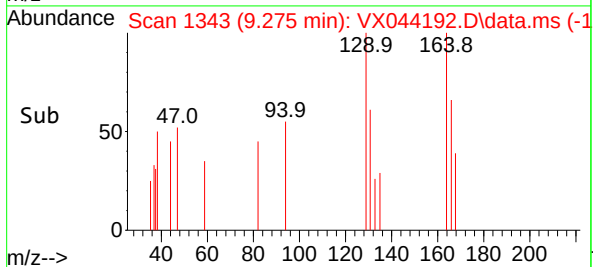
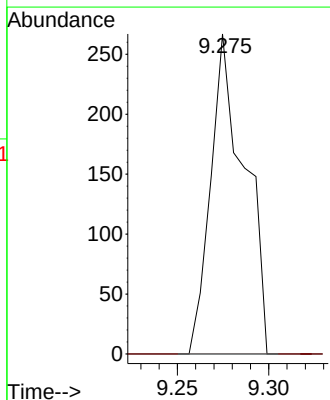
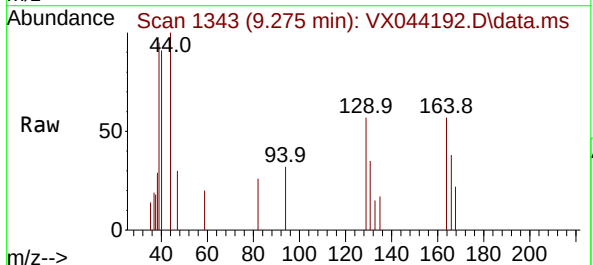
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20241206

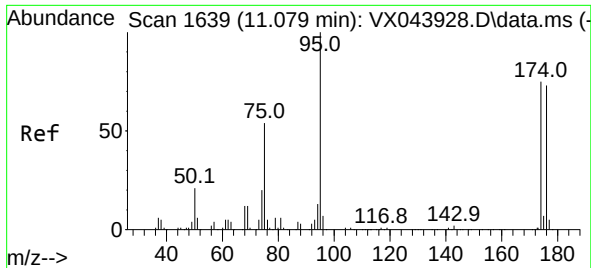
Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 23.0 34.6#



#60
Dibromochloromethane
Concen: 0.243 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

Tgt Ion: 129 Resp: 343
Ion Ratio Lower Upper
129 100
127 0.0 38.2 114.6#

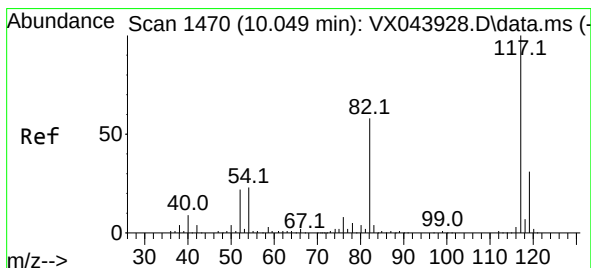
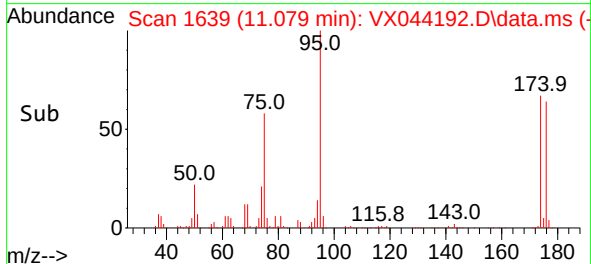
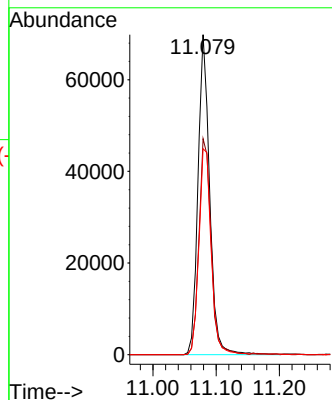
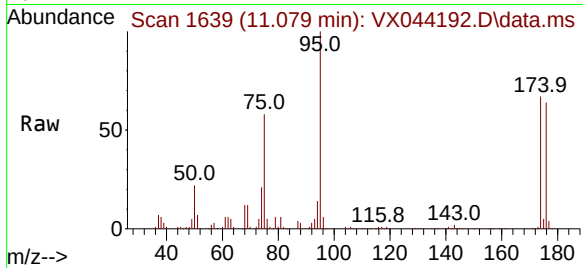




#62
4-Bromofluorobenzene
Concen: 52.047 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

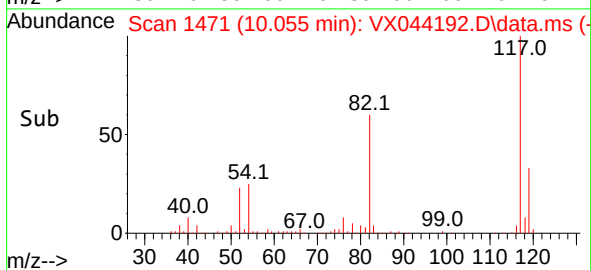
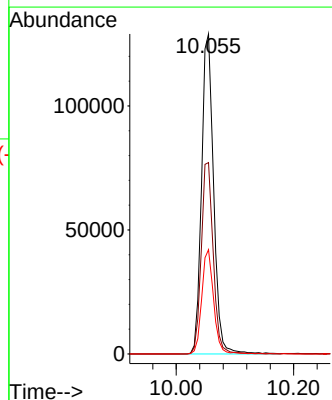
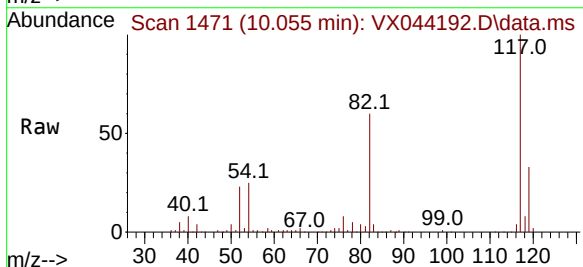
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20241206

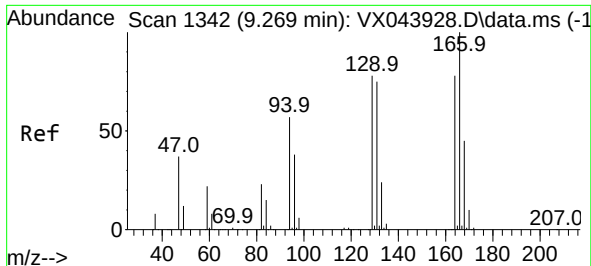
Tgt Ion: 95 Resp: 89607
Ion Ratio Lower Upper
95 100
174 70.1 0.0 150.4
176 68.0 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

Tgt Ion: 117 Resp: 184408
Ion Ratio Lower Upper
117 100
82 59.8 46.4 69.6
119 32.6 24.6 37.0

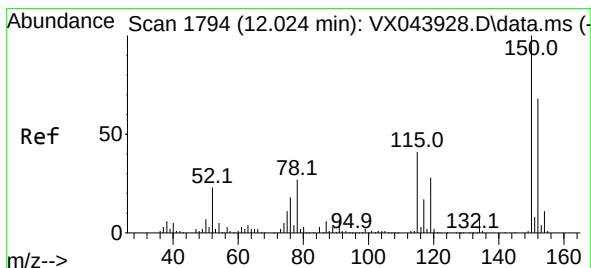
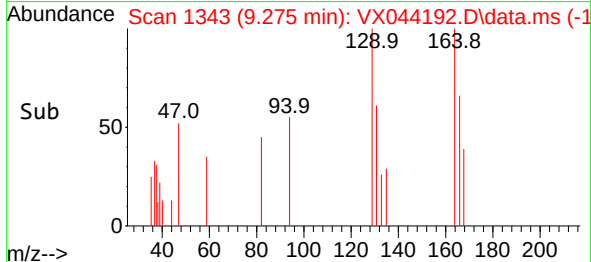
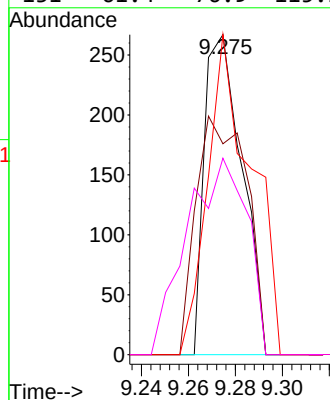
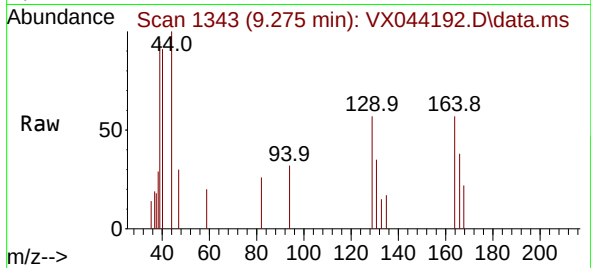




#64
Tetrachloroethene
Concen: 0.243 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

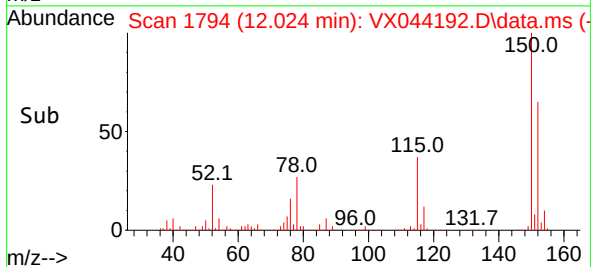
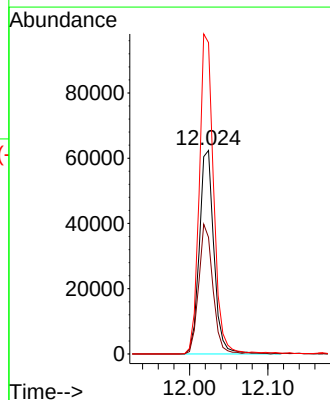
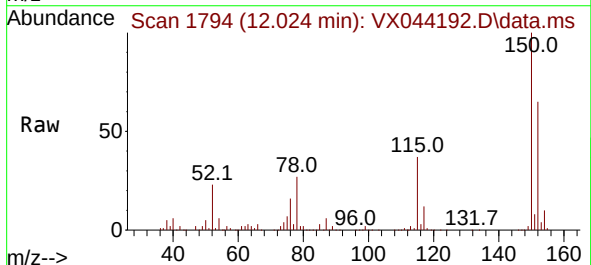
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20241206

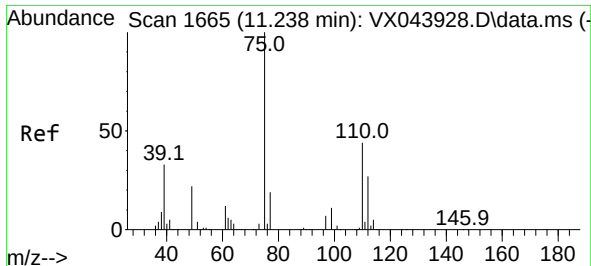
Tgt Ion:164 Resp: 296
Ion Ratio Lower Upper
164 100
166 65.9 102.1 153.1#
129 100.0 79.6 119.4
131 61.4 76.9 115.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

Tgt Ion:152 Resp: 80855
Ion Ratio Lower Upper
152 100
115 61.7 45.4 136.2
150 153.9 0.0 353.0

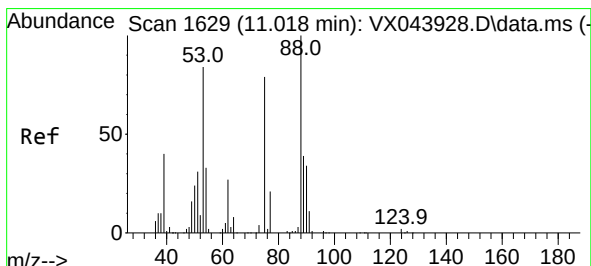
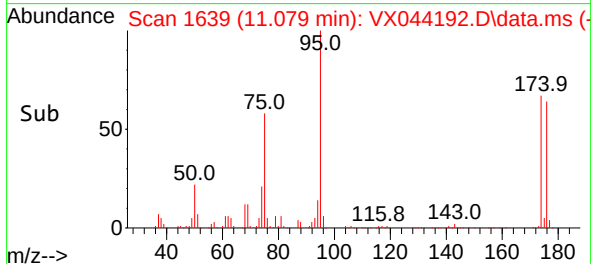
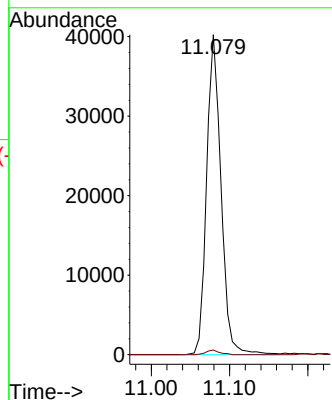
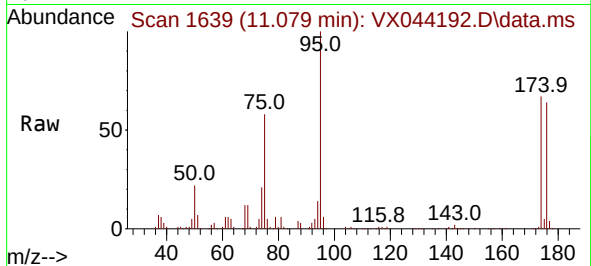




#76
1,2,3-Trichloropropane
Concen: 28.860 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

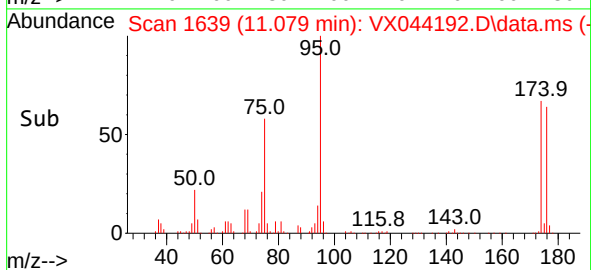
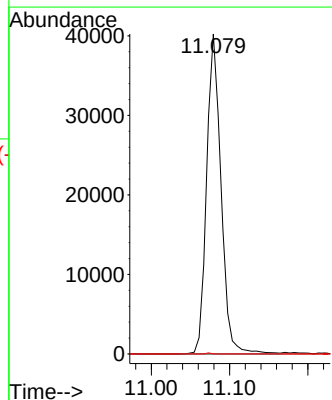
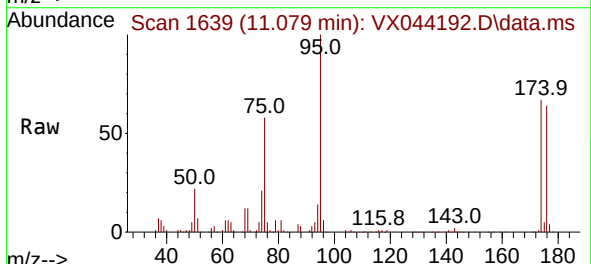
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20241206

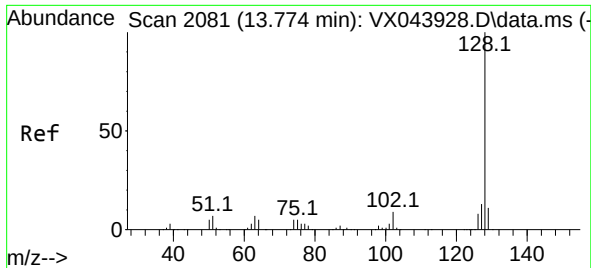
Tgt Ion: 75 Resp: 51173
Ion Ratio Lower Upper
75 100
77 1.4 21.8 65.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.752 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

Tgt Ion: 75 Resp: 51173
Ion Ratio Lower Upper
75 100
53 0.0 86.7 130.1#
89 0.1 38.2 57.2#

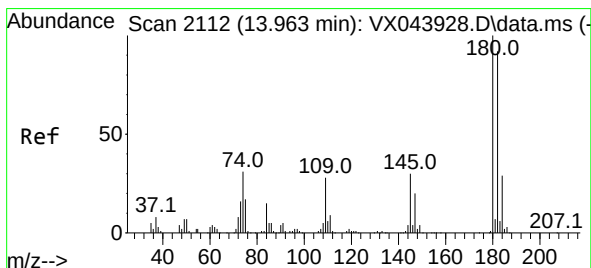
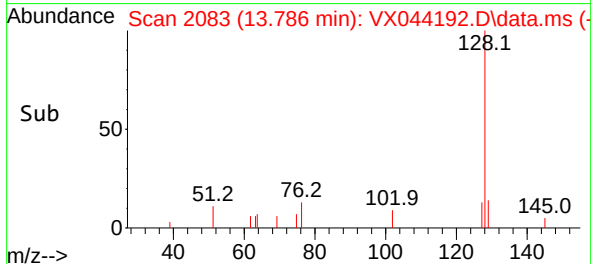
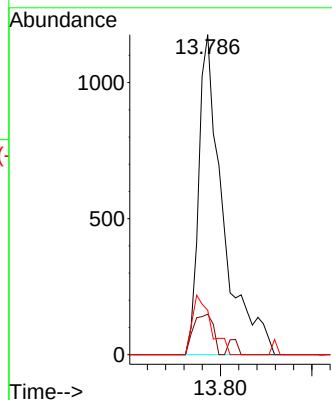
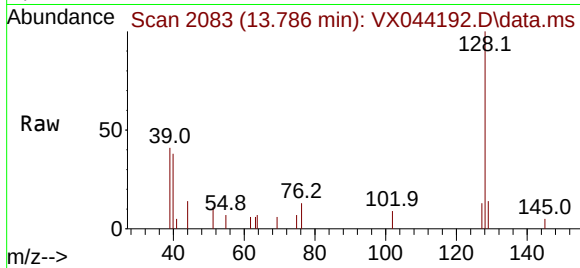




#95
Naphthalene
Concen: 0.374 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20241206

Tgt Ion:128 Resp: 2164
Ion Ratio Lower Upper
128 100
127 10.4 10.2 15.2
129 14.4 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.243 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

Tgt Ion:180 Resp: 395
Ion Ratio Lower Upper
180 100
182 71.6 45.6 136.8
145 0.0 16.4 49.4#

