

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
 Data File : VX044325.D
 Acq On : 16 Dec 2024 15:43
 Operator : JC/MD
 Sample : P5261-15DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 17 00:51:39 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

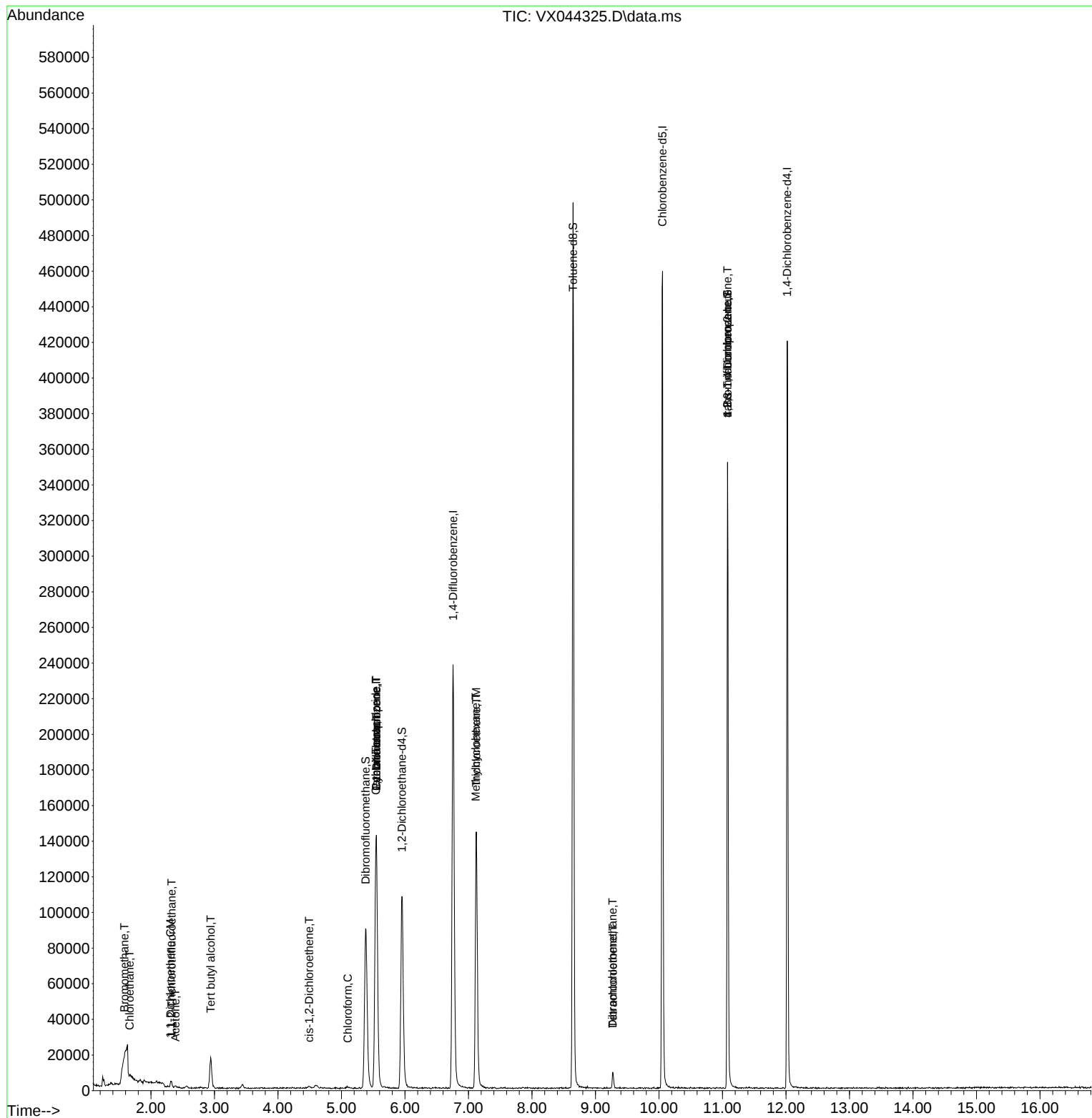
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	127800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	235549	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	201274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	78713	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	106337	47.456	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.920%
35) Dibromofluoromethane	5.379	113	77095	47.257	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.520%
50) Toluene-d8	8.647	98	286322	52.022	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.040%
62) 4-Bromofluorobenzene	11.079	95	89801	46.694	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.380%
Target Compounds						
					Qvalue	
5) Bromomethane	1.581	94	289	0.207	ug/l #	3
6) Chloroethane	1.666	64	276	0.225	ug/l #	85
9) 1,1,2-Trichlorotrifluo...	2.325	101	1060	0.680	ug/l	94
11) Tert butyl alcohol	2.941	59	9713	30.757	ug/l #	74
12) 1,1-Dichloroethene	2.307	96	405	0.283	ug/l	83
16) Acetone	2.386	43	721	0.789	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	743	0.384	ug/l	85
30) Chloroform	5.099	83	757	0.225	ug/l #	77
31) Cyclohexane	5.550	56	3296	1.363	ug/l #	43
36) 1,1-Dichloropropene	5.550	75	11412	5.412	ug/l #	50
38) Carbon Tetrachloride	5.544	117	14427	6.355	ug/l #	18
39) Methylcyclohexane	7.117	83	815	0.323	ug/l #	1
44) Trichloroethene	7.123	130	55846	34.977	ug/l	94
60) Dibromochloromethane	9.269	129	1504	2.138	ug/l #	11
64) Tetrachloroethene	9.275	164	1655	1.239	ug/l #	79
76) 1,2,3-Trichloropropane	11.079	75	50137	28.528	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	50137	78.205	ug/l #	4

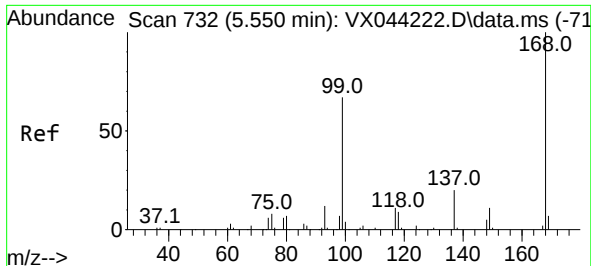
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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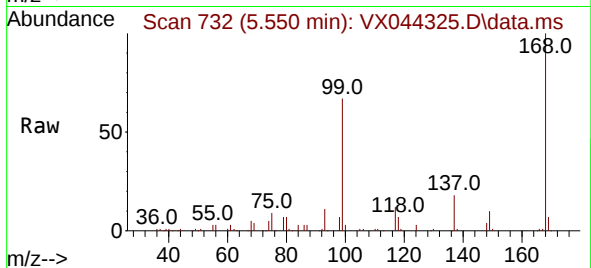
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
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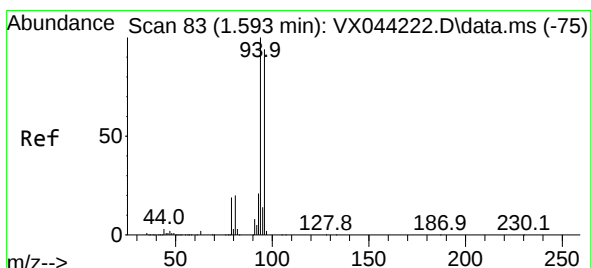
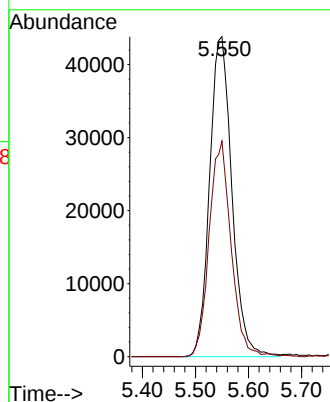
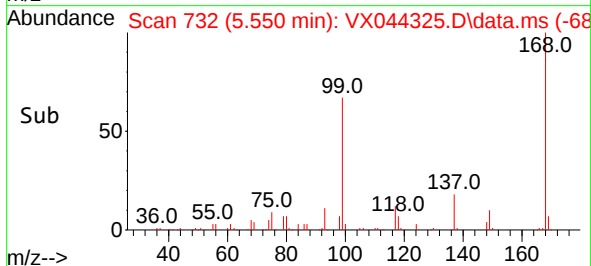


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044325.D
Acq: 16 Dec 2024 15:43

Instrument :
MSVOA_X
ClientSampleId :

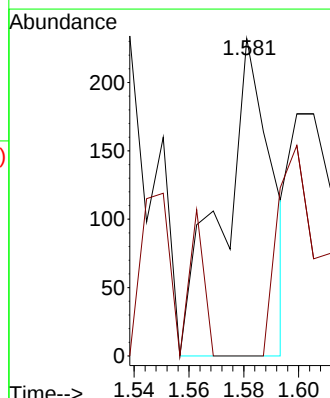
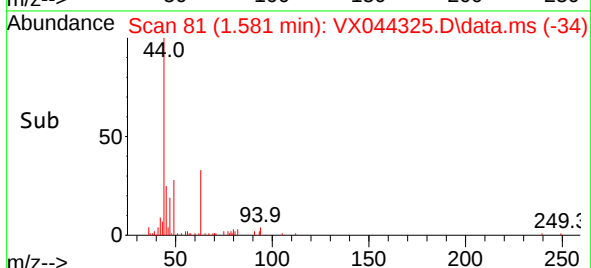
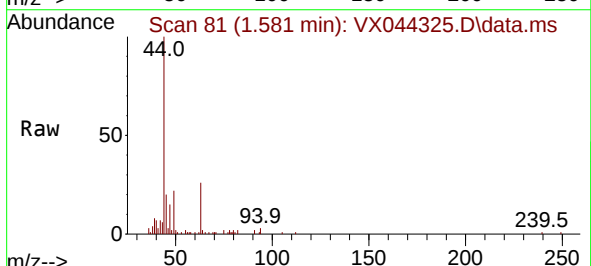


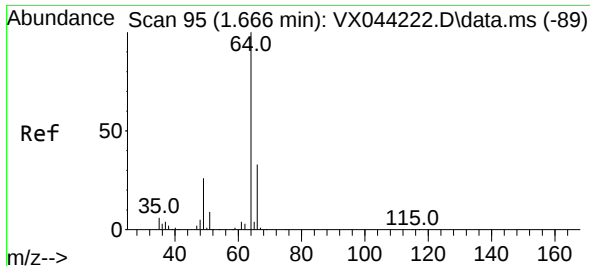
Tgt Ion:168 Resp: 127800
Ion Ratio Lower Upper
168 100
99 67.3 53.4 80.0



#5
Bromomethane
Concen: 0.207 ug/l
RT: 1.581 min Scan# 81
Delta R.T. -0.012 min
Lab File: VX044325.D
Acq: 16 Dec 2024 15:43

Tgt Ion: 94 Resp: 289
Ion Ratio Lower Upper
94 100
96 0.0 74.9 112.3#

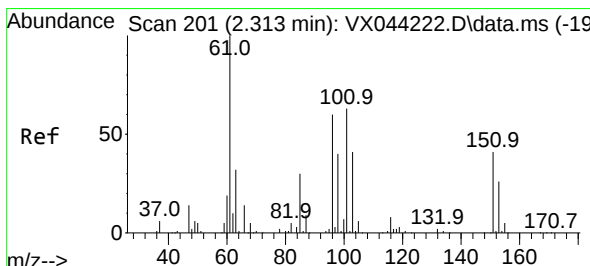
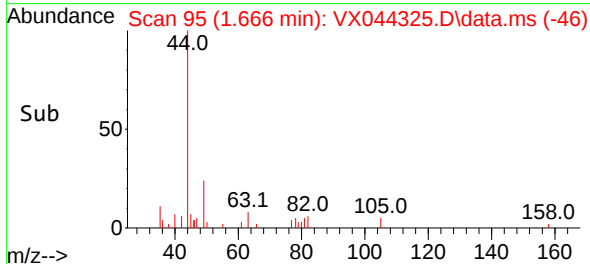
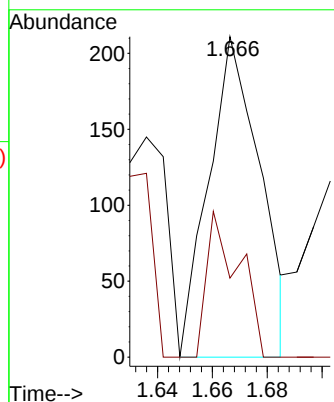
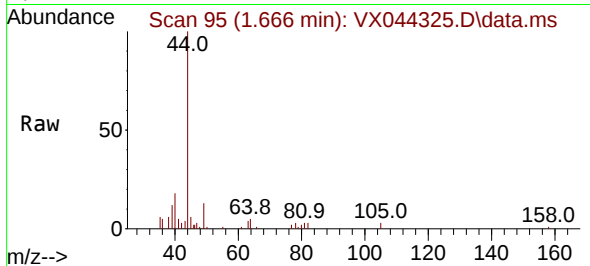




#6
Chloroethane
Concen: 0.225 ug/l
RT: 1.666 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX044325.D
Acq: 16 Dec 2024 15:43

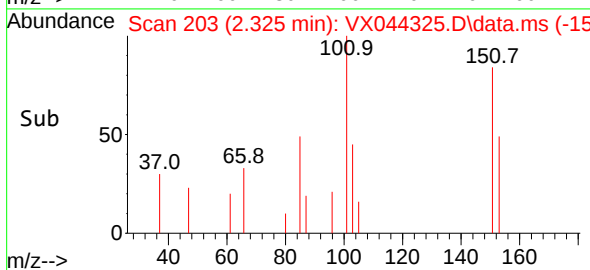
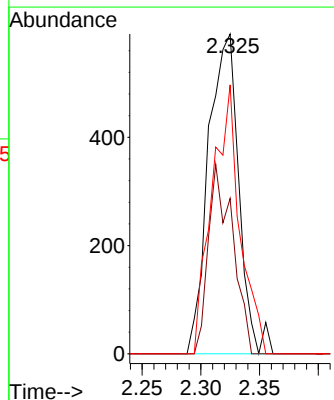
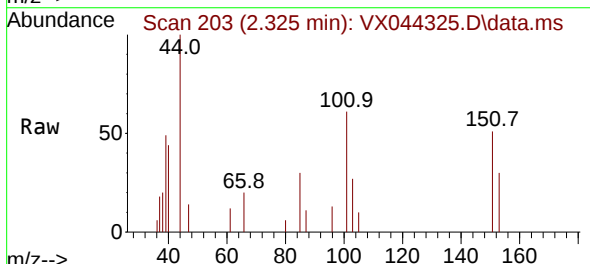
Instrument :
MSVOA_X
ClientSampleId :

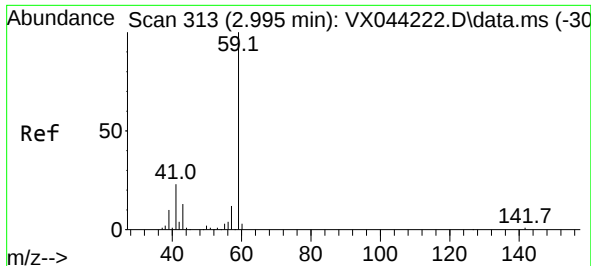
Tgt Ion: 64 Resp: 276
Ion Ratio Lower Upper
64 100
66 24.6 26.6 39.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.680 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.012 min
Lab File: VX044325.D
Acq: 16 Dec 2024 15:43

Tgt Ion:101 Resp: 1060
Ion Ratio Lower Upper
101 100
85 47.5 38.5 57.7
151 77.6 55.8 83.6





#11

Tert butyl alcohol

Concen: 30.757 ug/l

RT: 2.941 min Scan# 30

Delta R.T. -0.055 min

Lab File: VX044325.D

Acq: 16 Dec 2024 15:43

Instrument :

MSVOA_X

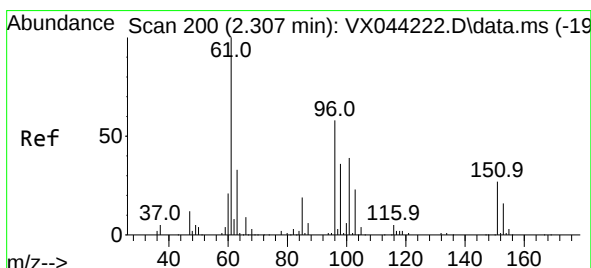
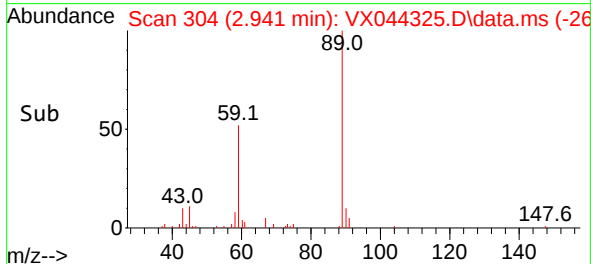
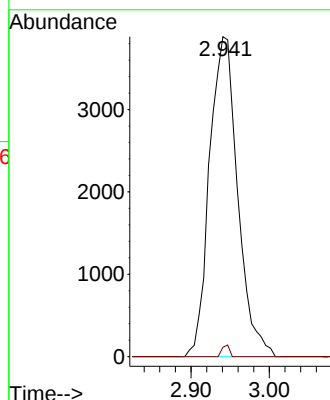
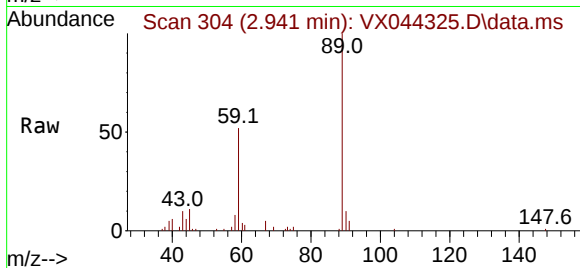
ClientSampleId :

Tgt Ion: 59 Resp: 9713

Ion Ratio Lower Upper

59 100

57 1.0 8.8 13.2#



#12

1,1-Dichloroethene

Concen: 0.283 ug/l

RT: 2.307 min Scan# 200

Delta R.T. 0.000 min

Lab File: VX044325.D

Acq: 16 Dec 2024 15:43

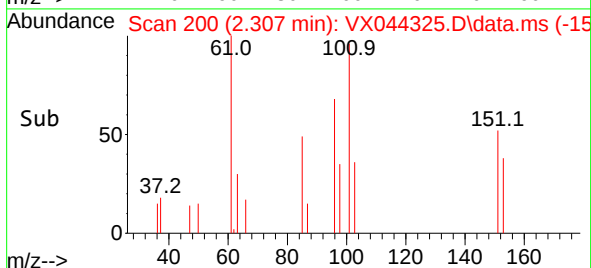
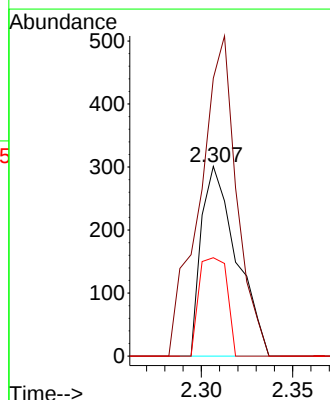
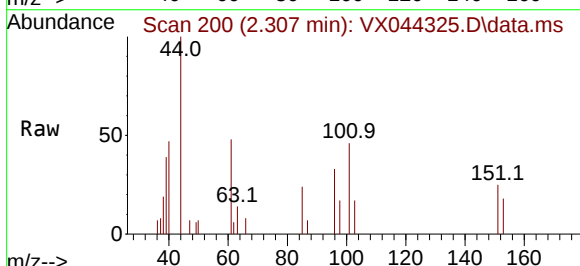
Tgt Ion: 96 Resp: 405

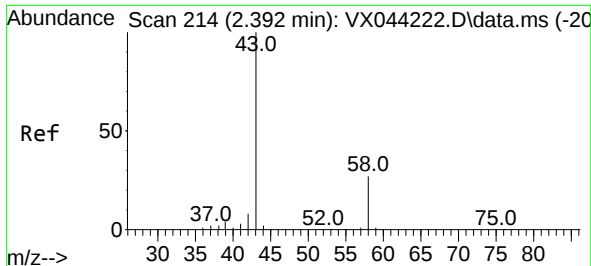
Ion Ratio Lower Upper

96 100

61 146.5 138.0 207.0

98 51.8 50.0 75.0

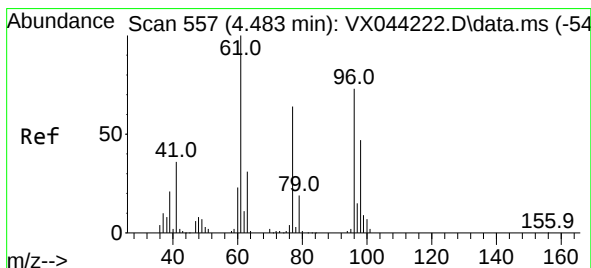
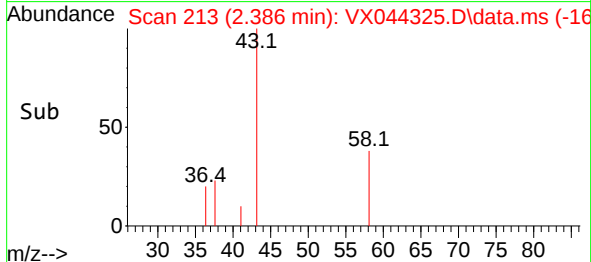
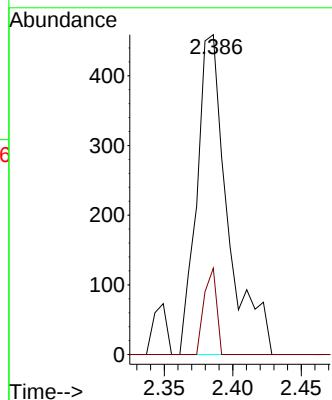
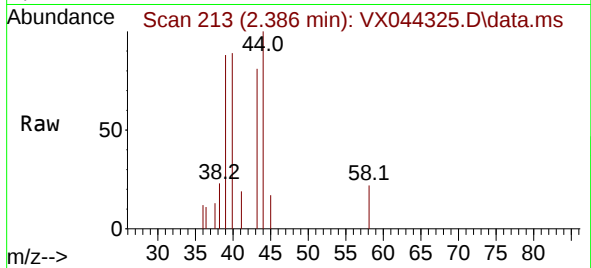




#16
Acetone
Concen: 0.789 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX044325.D
Acq: 16 Dec 2024 15:43

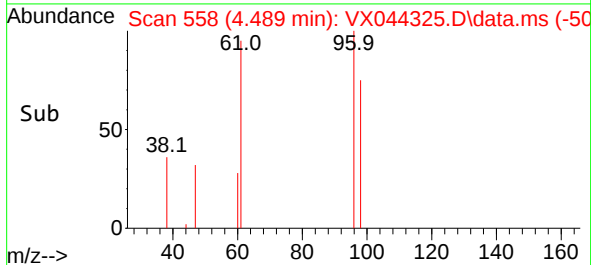
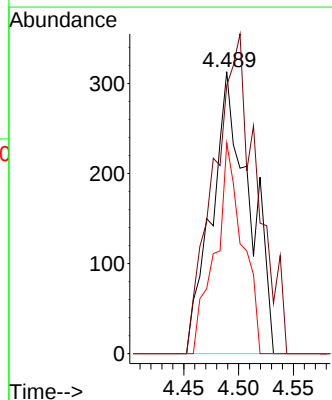
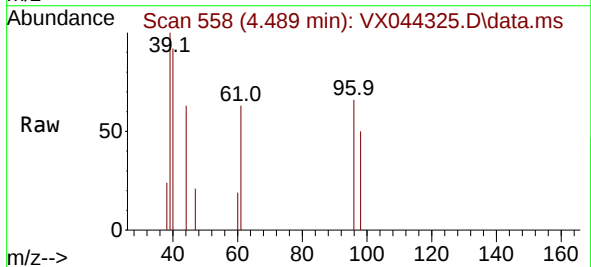
Instrument :
MSVOA_X
ClientSampleId :

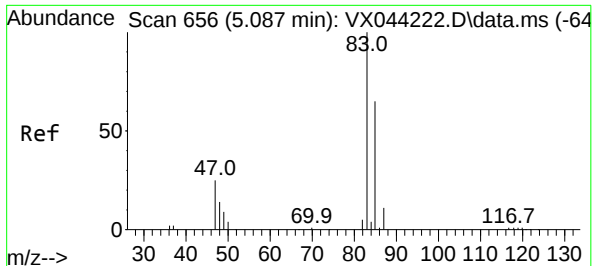
Tgt Ion: 43 Resp: 721
Ion Ratio Lower Upper
43 100
58 27.0 21.6 32.4



#27
cis-1,2-Dichloroethene
Concen: 0.384 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX044325.D
Acq: 16 Dec 2024 15:43

Tgt Ion: 96 Resp: 743
Ion Ratio Lower Upper
96 100
61 129.6 0.0 299.0
98 54.4 0.0 129.0





#30

Chloroform

Concen: 0.225 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX044325.D

Acq: 16 Dec 2024 15:43

Instrument :

MSVOA_X

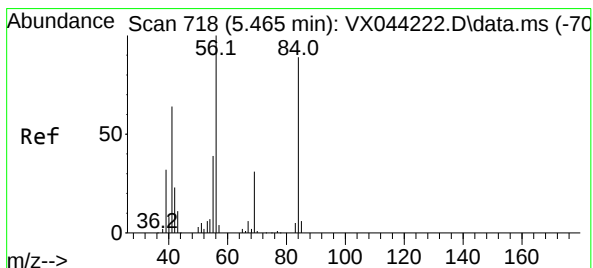
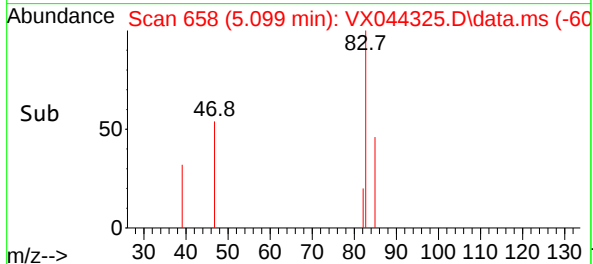
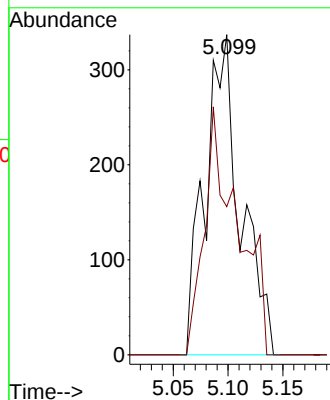
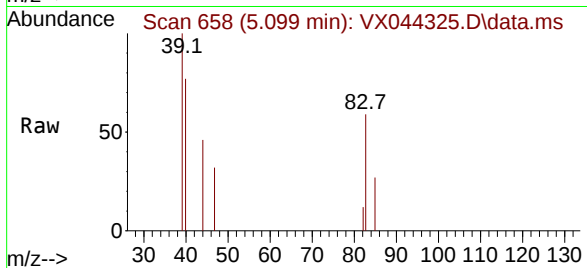
ClientSampleId :

Tgt Ion: 83 Resp: 757

Ion Ratio Lower Upper

83 100

85 46.3 51.6 77.4#



#31

Cyclohexane

Concen: 1.363 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX044325.D

Acq: 16 Dec 2024 15:43

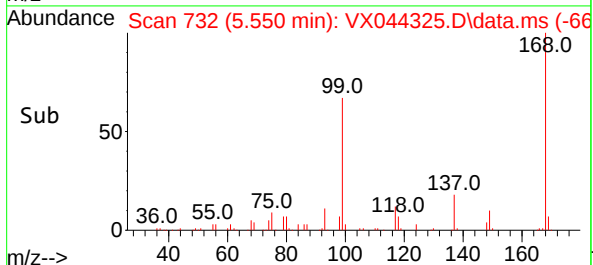
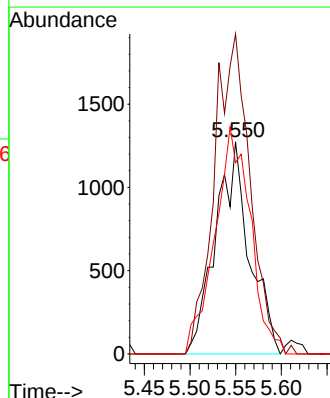
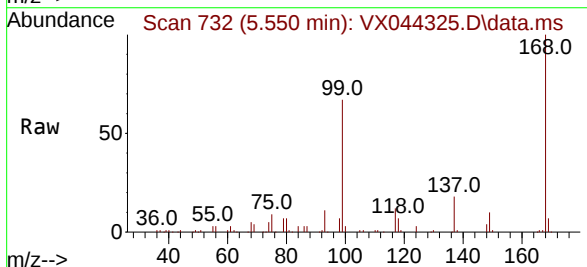
Tgt Ion: 56 Resp: 3296

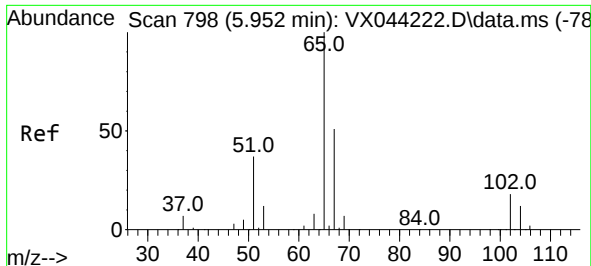
Ion Ratio Lower Upper

56 100

69 150.9 24.7 37.1#

84 90.1 71.0 106.6

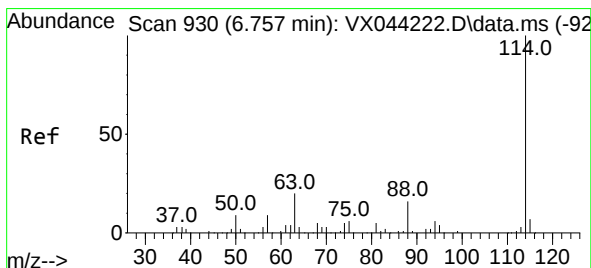
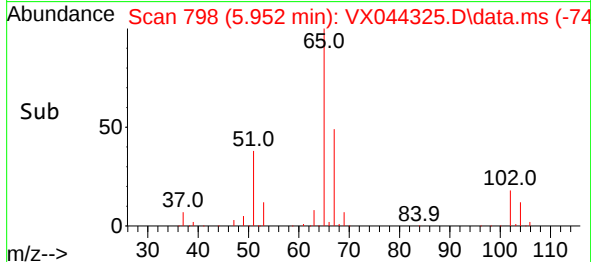
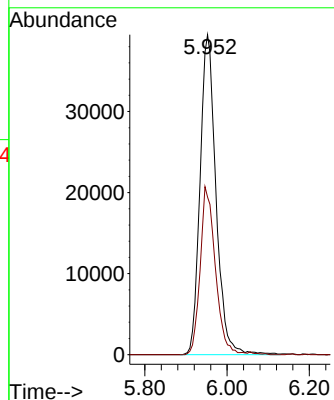
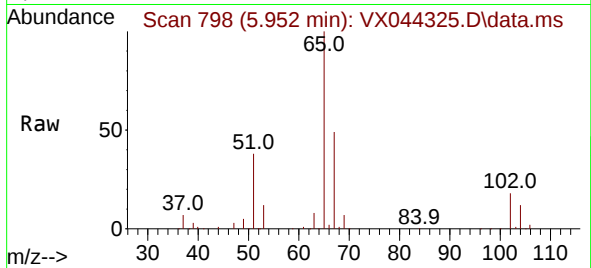




#33
 1,2-Dichloroethane-d4
 Concen: 47.456 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX044325.D
 Acq: 16 Dec 2024 15:43

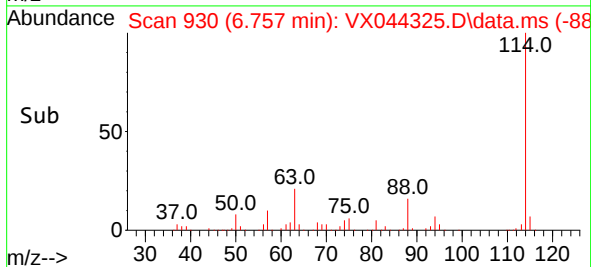
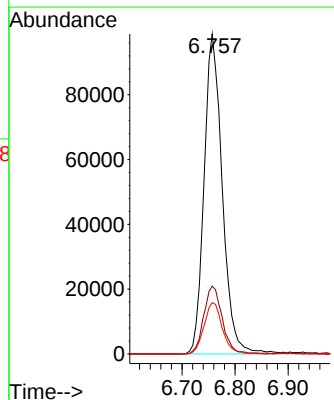
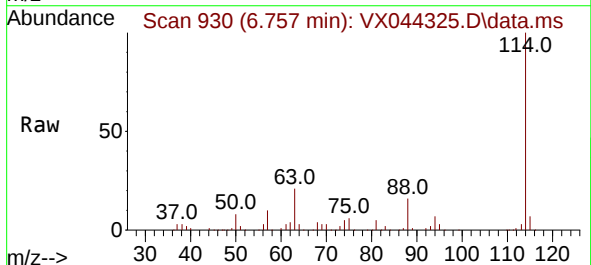
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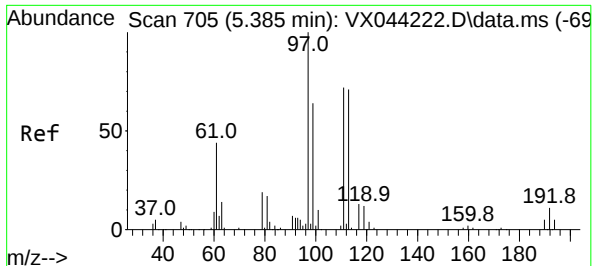
Tgt Ion: 65 Resp: 106337
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX044325.D
 Acq: 16 Dec 2024 15:43

Tgt Ion: 114 Resp: 235549
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 40.6
 88 16.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.257 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX044325.D

Acq: 16 Dec 2024 15:43

Instrument :

MSVOA_X

ClientSampleId :

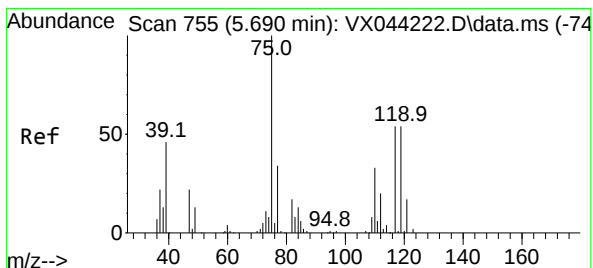
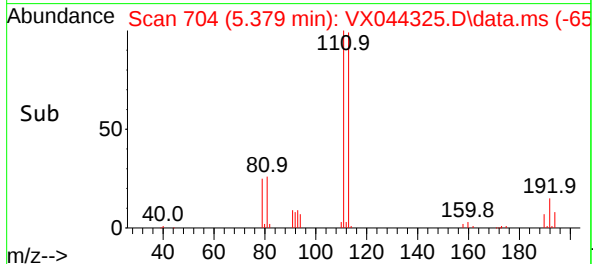
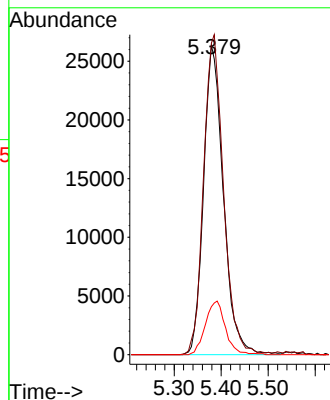
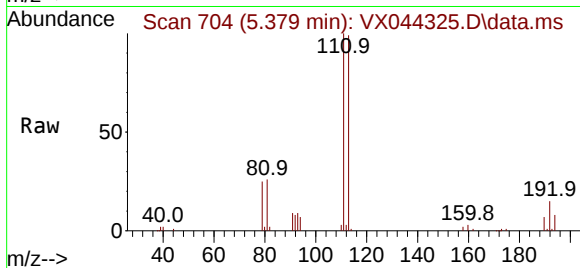
Tgt Ion:113 Resp: 77095

Ion Ratio Lower Upper

113 100

111 104.0 80.4 120.6

192 17.6 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.412 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX044325.D

Acq: 16 Dec 2024 15:43

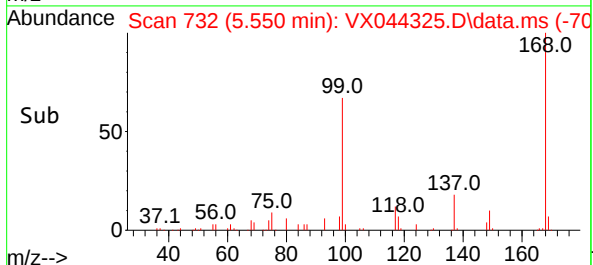
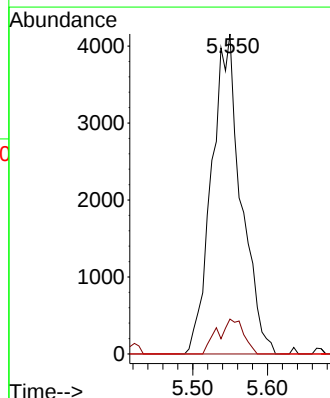
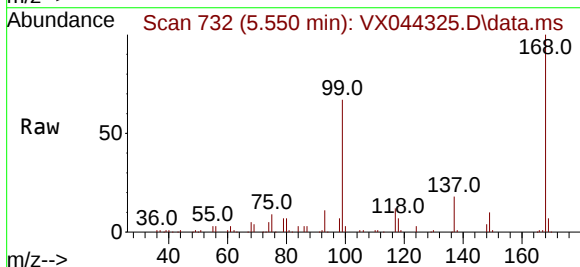
Tgt Ion: 75 Resp: 11412

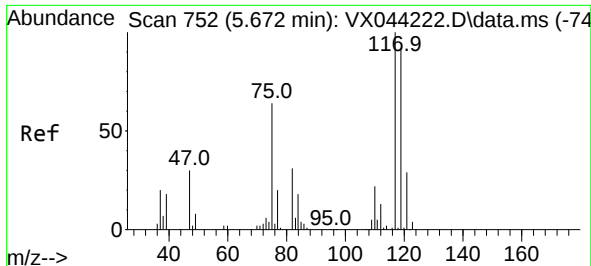
Ion Ratio Lower Upper

75 100

110 9.6 17.3 51.7#

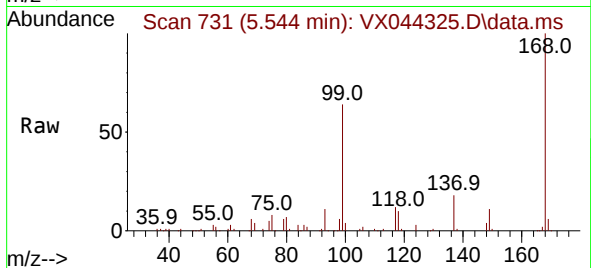
77 0.0 25.4 38.0#



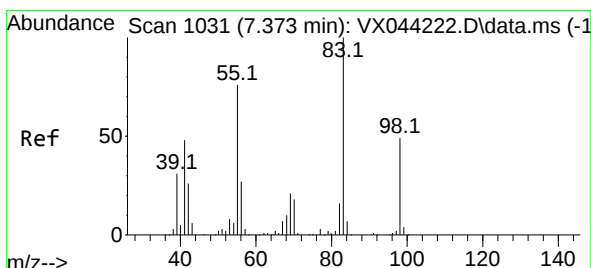
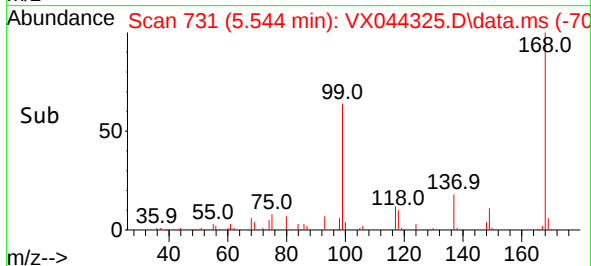
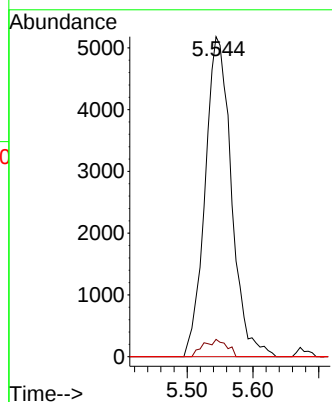


#38
Carbon Tetrachloride
Concen: 6.355 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX044325.D
Acq: 16 Dec 2024 15:43

Instrument :
MSVOA_X
ClientSampleId :

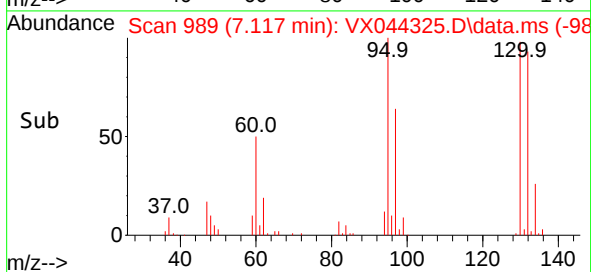
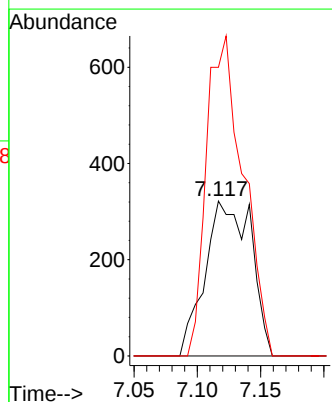
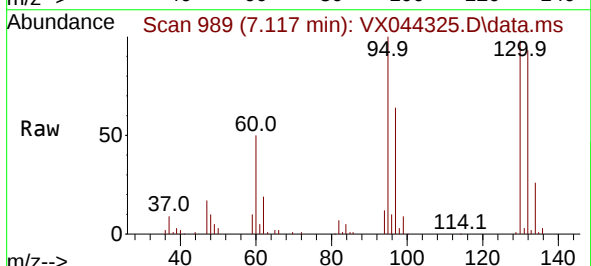


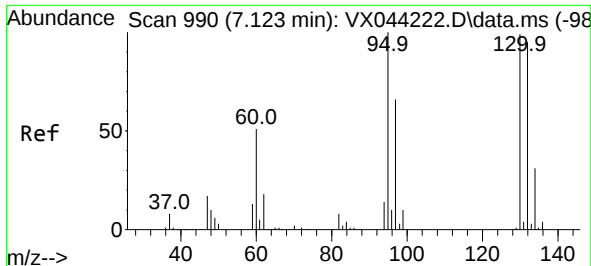
Tgt Ion:117 Resp: 14427
Ion Ratio Lower Upper
117 100
119 5.4 74.2 111.4#
121 0.0 23.0 34.6#



#39
Methylcyclohexane
Concen: 0.323 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.256 min
Lab File: VX044325.D
Acq: 16 Dec 2024 15:43

Tgt Ion: 83 Resp: 815
Ion Ratio Lower Upper
83 100
55 0.0 60.7 91.1#
98 186.3 38.9 58.3#

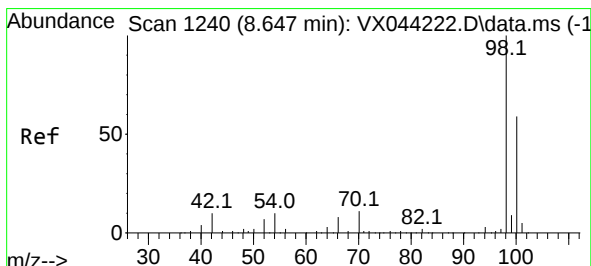
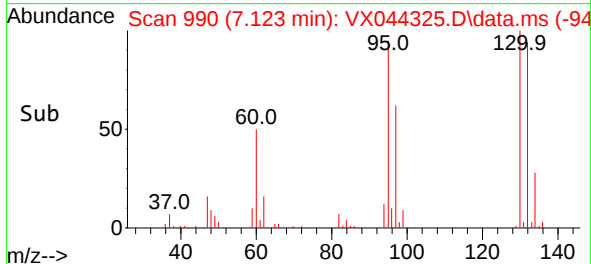
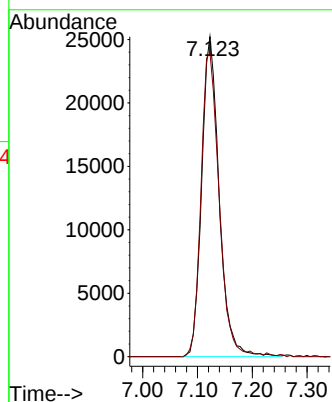
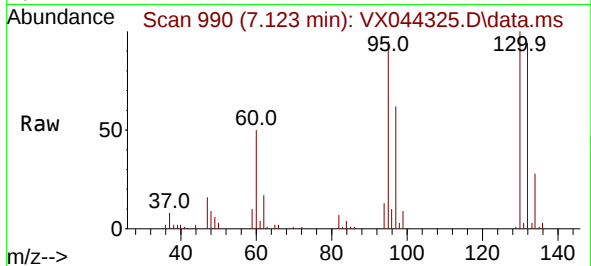




#44
Trichloroethene
Concen: 34.977 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044325.D
Acq: 16 Dec 2024 15:43

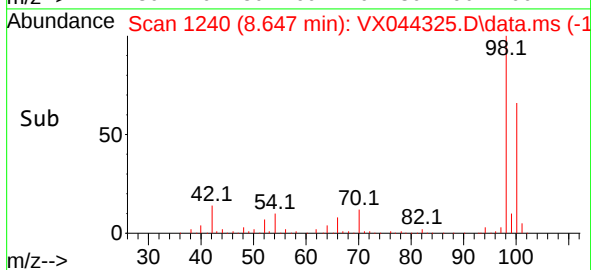
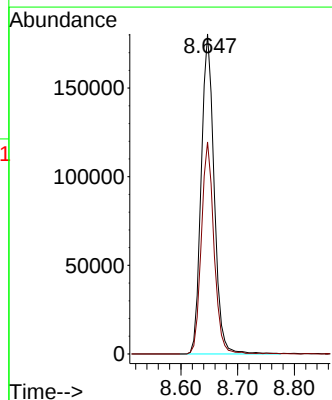
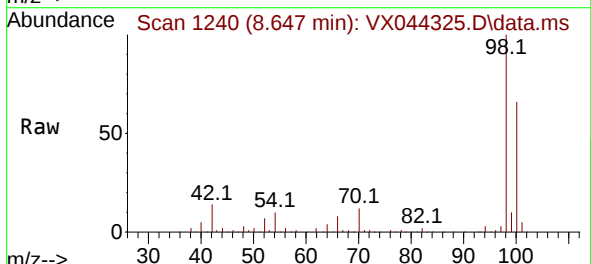
Instrument :
MSVOA_X
ClientSampleId :

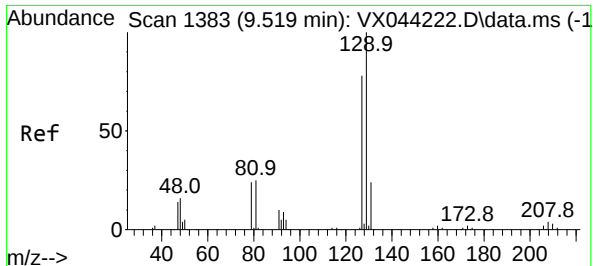
Tgt Ion:130 Resp: 55846
Ion Ratio Lower Upper
130 100
95 95.0 0.0 201.4



#50
Toluene-d8
Concen: 52.022 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044325.D
Acq: 16 Dec 2024 15:43

Tgt Ion: 98 Resp: 286322
Ion Ratio Lower Upper
98 100
100 64.6 51.5 77.3

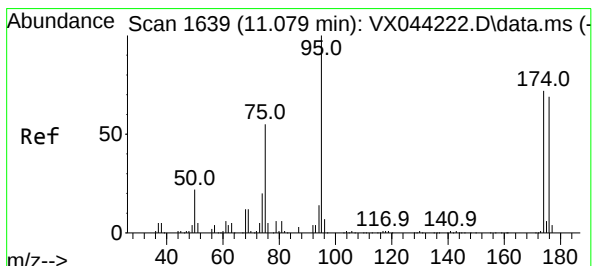
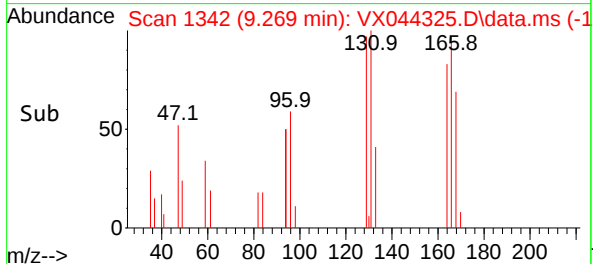
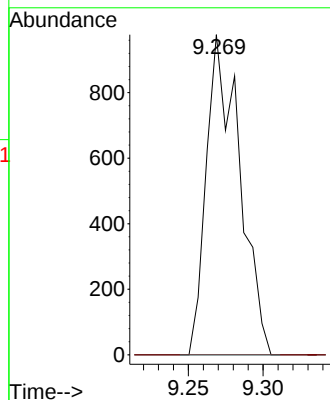
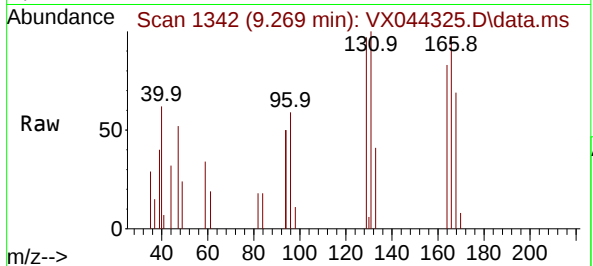




#60
Dibromochloromethane
Concen: 2.138 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.250 min
Lab File: VX044325.D
Acq: 16 Dec 2024 15:43

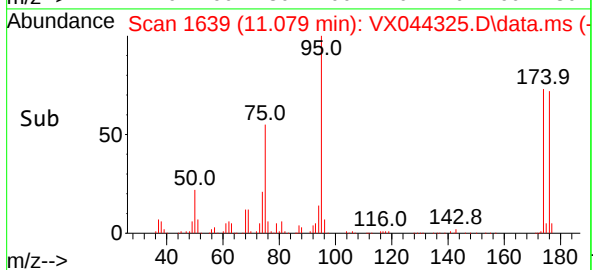
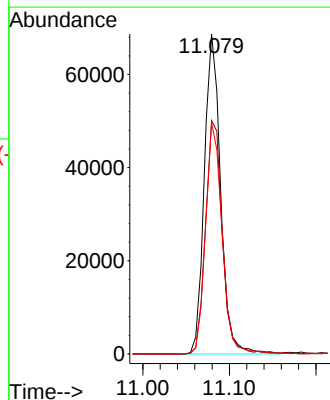
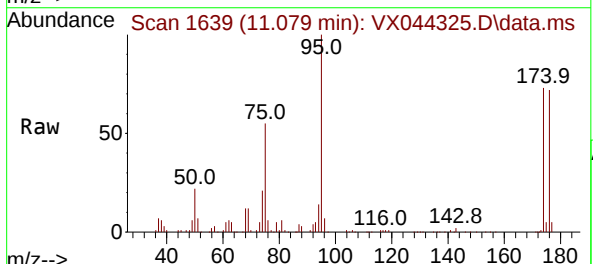
Instrument :
MSVOA_X
ClientSampleId :

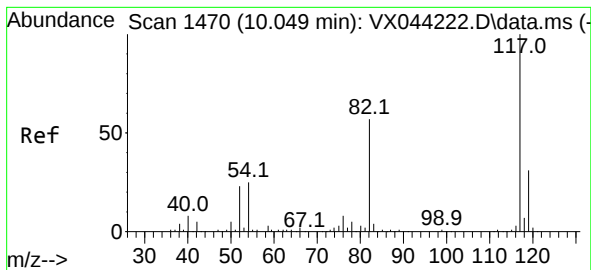
Tgt Ion:129 Resp: 1504
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 46.694 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044325.D
Acq: 16 Dec 2024 15:43

Tgt Ion: 95 Resp: 89801
Ion Ratio Lower Upper
95 100
174 75.4 0.0 145.8
176 73.5 0.0 137.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX044325.D

Acq: 16 Dec 2024 15:43

Instrument :

MSVOA_X

ClientSampleId :

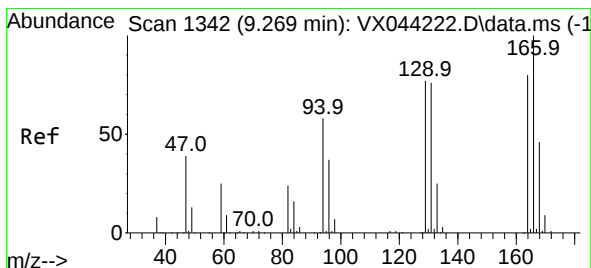
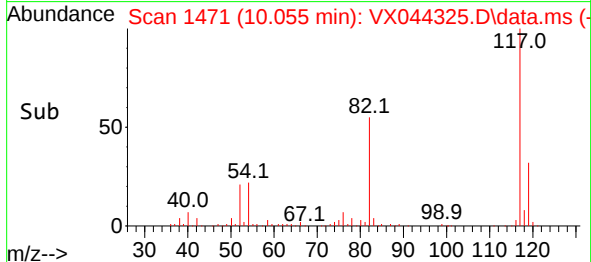
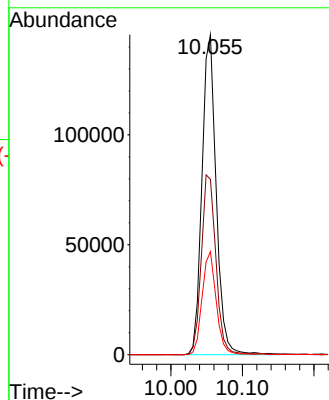
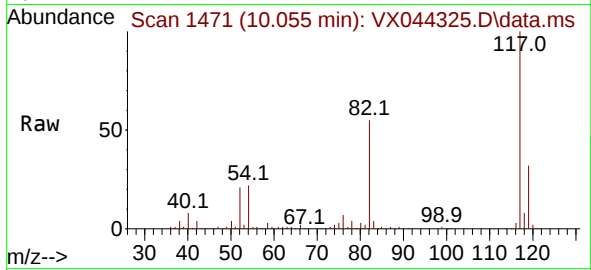
Tgt Ion:117 Resp: 201274

Ion Ratio Lower Upper

117 100

82 54.8 45.8 68.8

119 32.2 25.0 37.4



#64

Tetrachloroethene

Concen: 1.239 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX044325.D

Acq: 16 Dec 2024 15:43

Tgt Ion:164 Resp: 1655

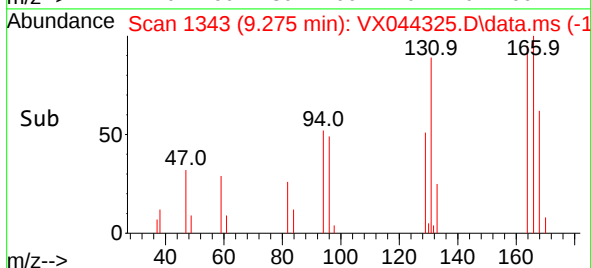
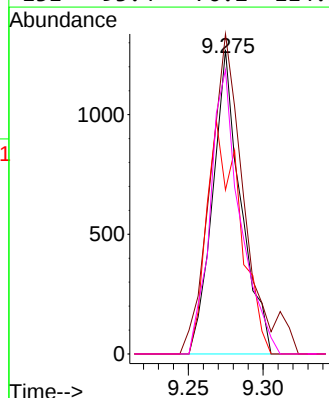
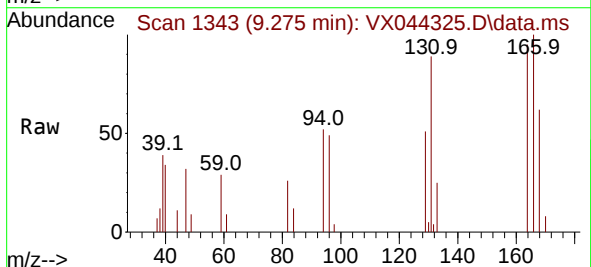
Ion Ratio Lower Upper

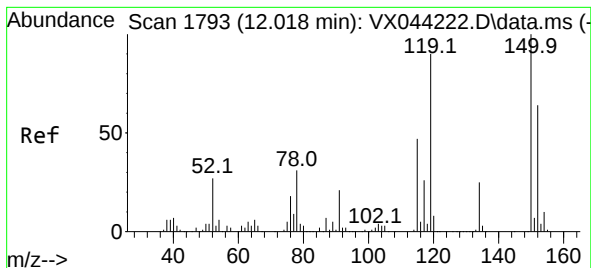
164 100

166 105.2 100.4 150.6

129 53.9 77.2 115.8#

131 93.4 76.2 114.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044325.D

Acq: 16 Dec 2024 15:43

Instrument :

MSVOA_X

ClientSampleId :

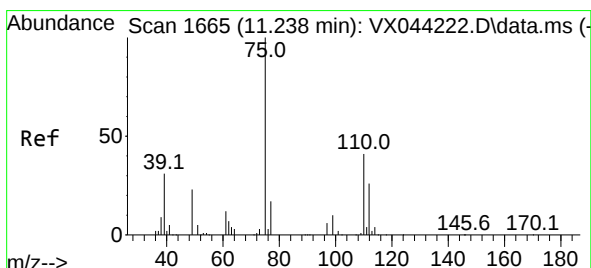
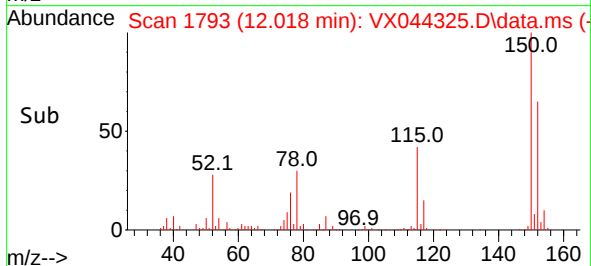
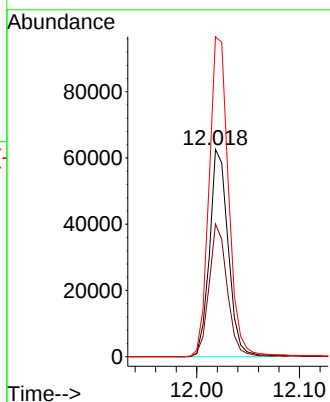
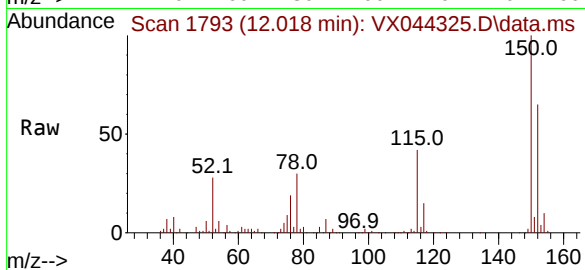
Tgt Ion:152 Resp: 78713

Ion Ratio Lower Upper

152 100

115 62.7 44.5 133.3

150 161.9 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 28.528 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX044325.D

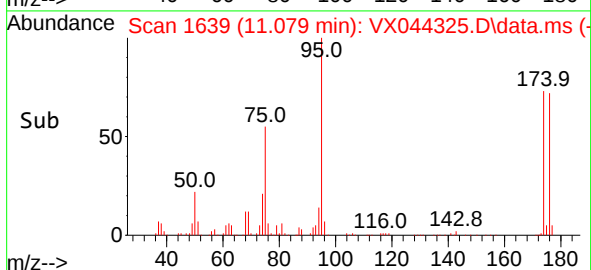
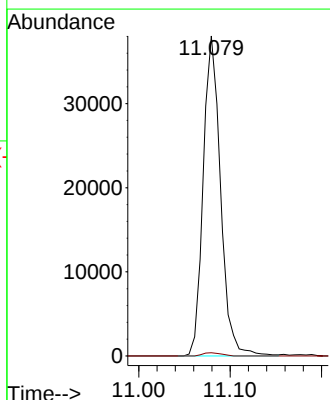
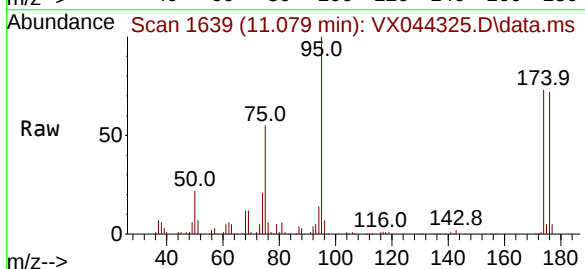
Acq: 16 Dec 2024 15:43

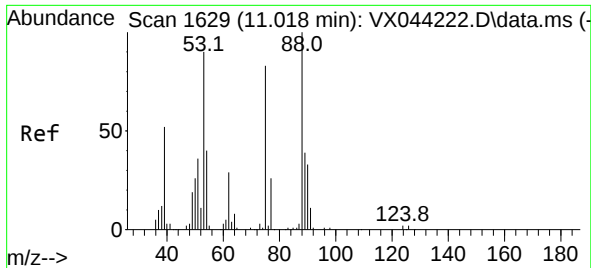
Tgt Ion: 75 Resp: 50137

Ion Ratio Lower Upper

75 100

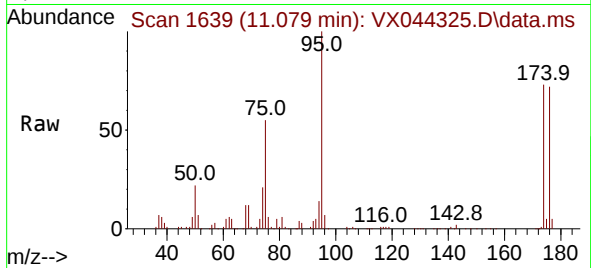
77 1.1 20.9 62.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.205 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX044325.D
 Acq: 16 Dec 2024 15:43

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 50137
 Ion Ratio Lower Upper
 75 100
 53 0.0 93.6 140.4#
 89 0.1 37.3 55.9#

