

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
 Data File : VX044553.D
 Acq On : 30 Dec 2024 18:51
 Operator : JC/MD
 Sample : P5376-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT17411-20241218

Quant Time: Dec 31 00:35:51 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)

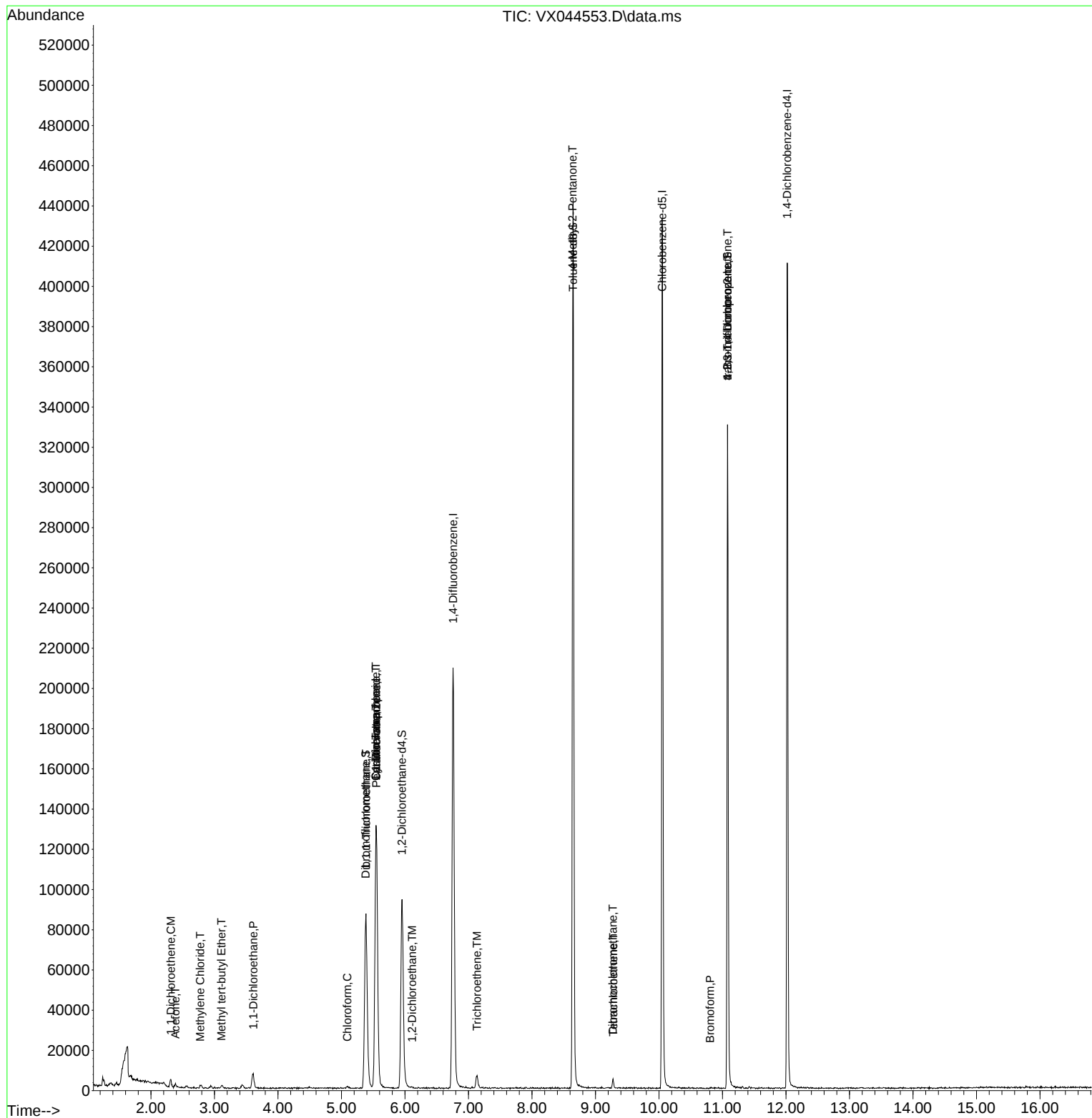
Internal Standards						
1) Pentafluorobenzene	5.550	168	127903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	216454	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	194600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	84267	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91442	40.776	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	81.560%		
35) Dibromofluoromethane	5.379	113	72824	48.577	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.160%		
50) Toluene-d8	8.647	98	260638	51.533	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.060%		
62) 4-Bromofluorobenzene	11.079	95	84702	47.928	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.860%		
Target Compounds					Qvalue	
12) 1,1-Dichloroethene	2.313	96	1346	0.939	ug/l	96
16) Acetone	2.386	43	1508	1.649	ug/l #	82
19) Methyl tert-butyl Ether	3.111	73	1419	0.254	ug/l #	86
20) Methylene Chloride	2.776	84	764	0.445	ug/l #	53
24) 1,1-Dichloroethane	3.611	63	8031	2.679	ug/l	93
30) Chloroform	5.093	83	907	0.269	ug/l	100
31) Cyclohexane	5.544	56	3336	1.378	ug/l #	43
32) 1,1,1-Trichloroethane	5.385	97	983	0.352	ug/l #	46
36) 1,1-Dichloropropene	5.544	75	9968	5.144	ug/l #	50
38) Carbon Tetrachloride	5.544	117	12793	6.132	ug/l #	17
42) 1,2-Dichloroethane	6.111	62	537	0.222	ug/l #	78
44) Trichloroethene	7.135	130	2535	1.728	ug/l	97
51) 4-Methyl-2-Pentanone	8.641	43	1271	0.528	ug/l #	1
60) Dibromochloromethane	9.275	129	635	1.648	ug/l #	11
64) Tetrachloroethene	9.281	164	692	0.536	ug/l #	85
71) Bromoform	10.805	173	25	1.259	ug/l #	29
76) 1,2,3-Trichloropropane	11.079	75	45608	24.241	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	45608	67.290	ug/l #	4

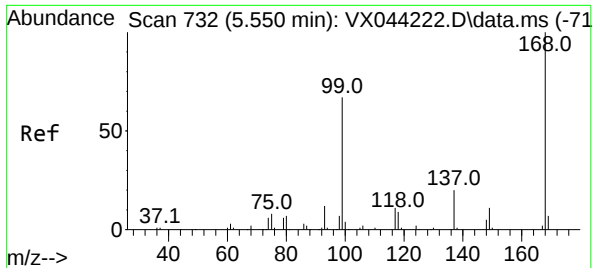
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 31 00:35:51 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

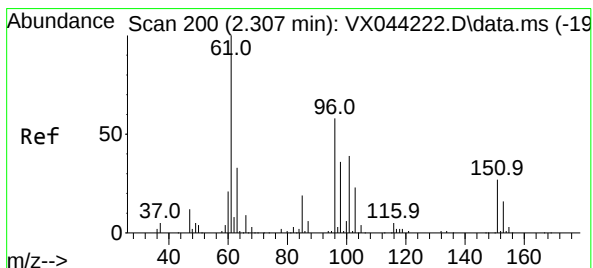
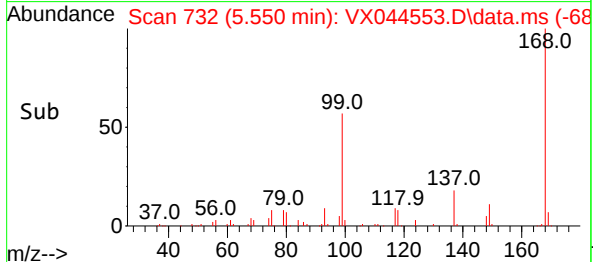
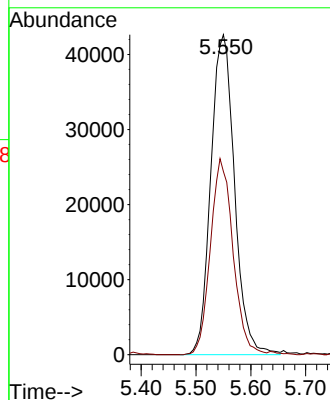
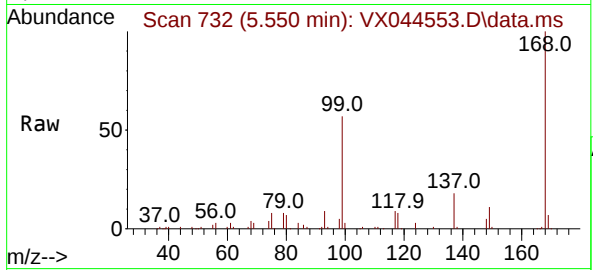




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

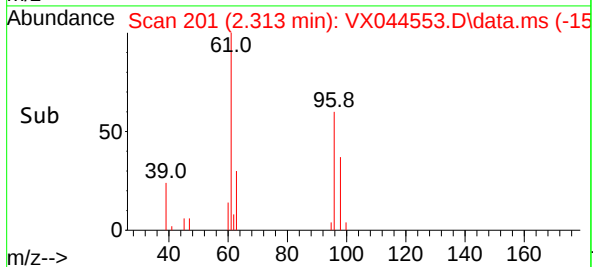
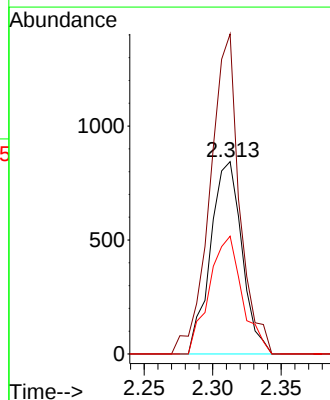
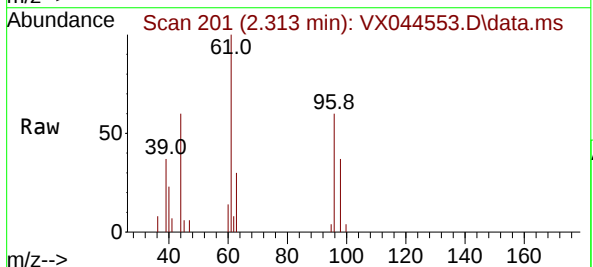
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20241218

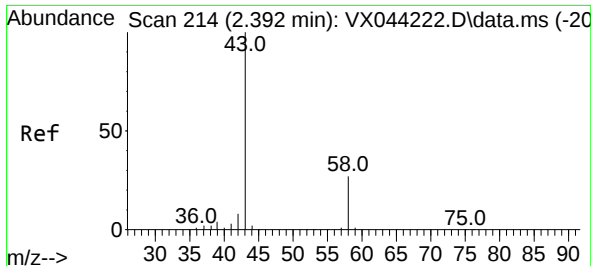
Tgt Ion:168 Resp: 127903
Ion Ratio Lower Upper
168 100
99 57.3 53.4 80.0



#12
1,1-Dichloroethene
Concen: 0.939 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

Tgt Ion: 96 Resp: 1346
Ion Ratio Lower Upper
96 100
61 166.4 138.0 207.0
98 61.3 50.0 75.0

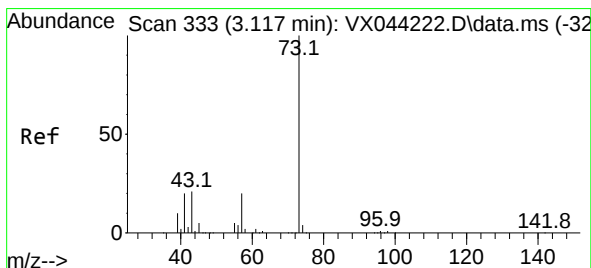
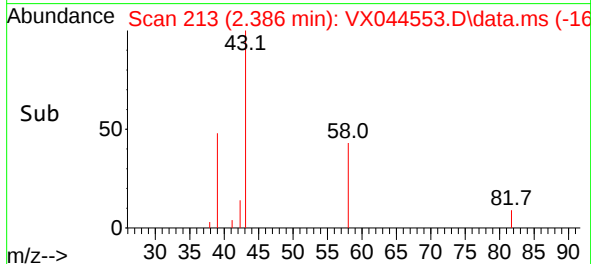
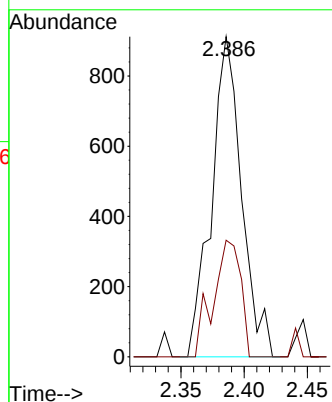
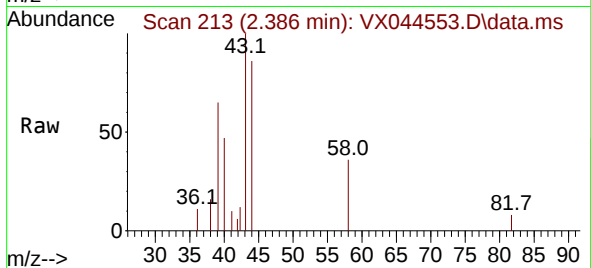




#16
Acetone
Concen: 1.649 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

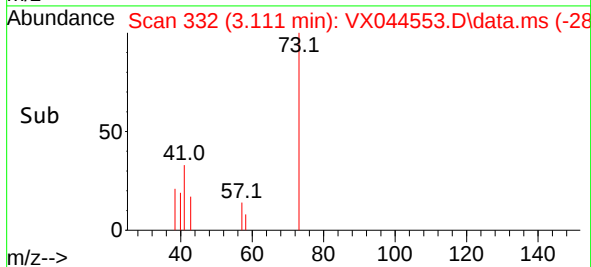
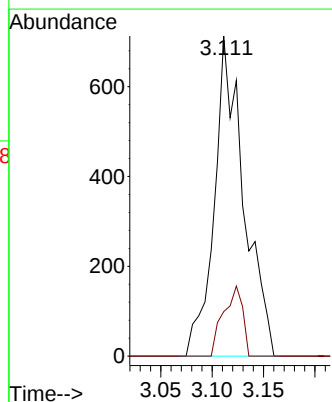
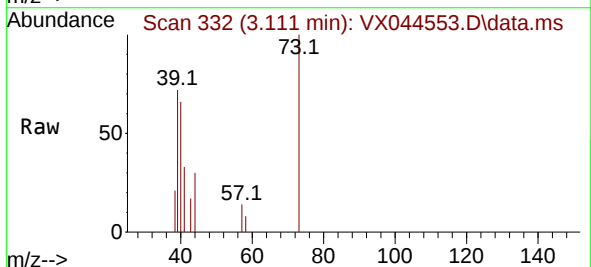
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20241218

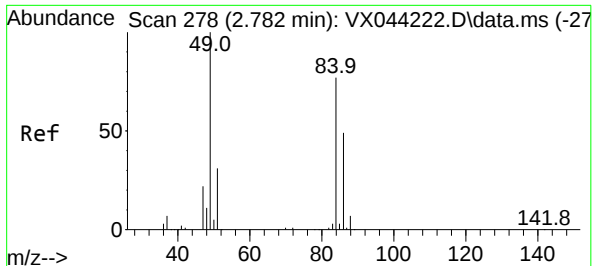
Tgt Ion: 43 Resp: 1508
Ion Ratio Lower Upper
43 100
58 36.4 21.6 32.4#



#19
Methyl tert-butyl Ether
Concen: 0.254 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

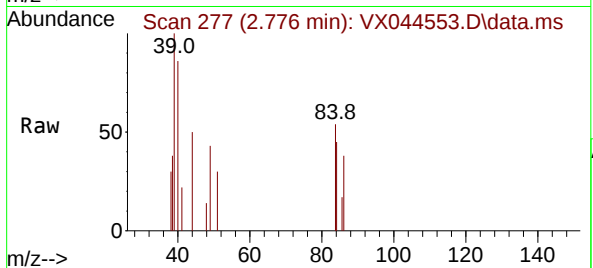
Tgt Ion: 73 Resp: 1419
Ion Ratio Lower Upper
73 100
57 13.9 16.2 24.4#



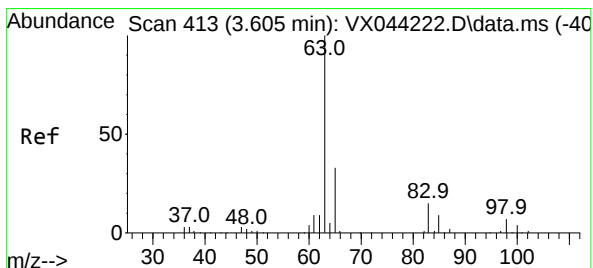
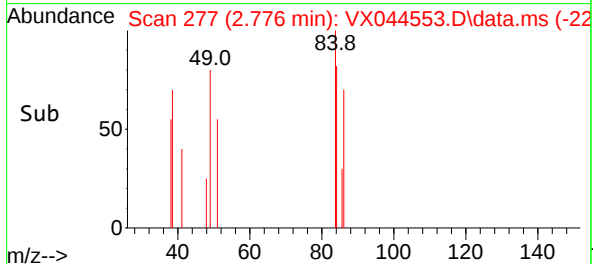
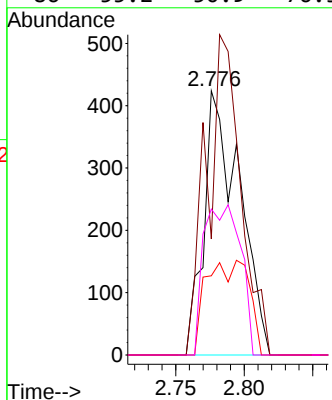


#20
Methylene Chloride
Concen: 0.445 ug/l
RT: 2.776 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

Instrument :
MSVOA_X
ClientSampleId :
TT17411-20241218

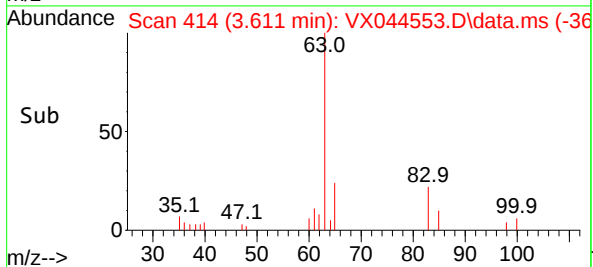
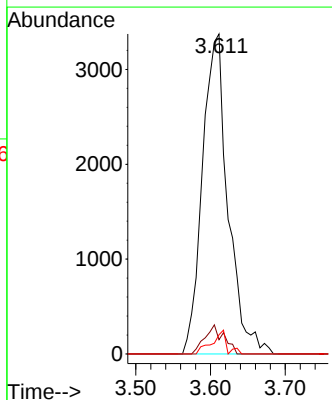
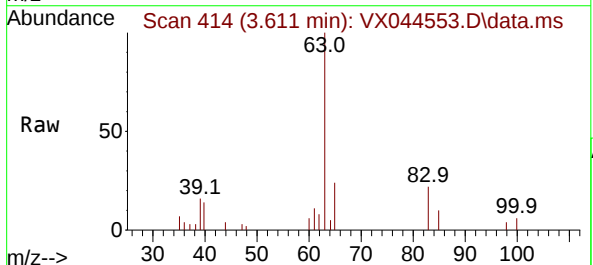


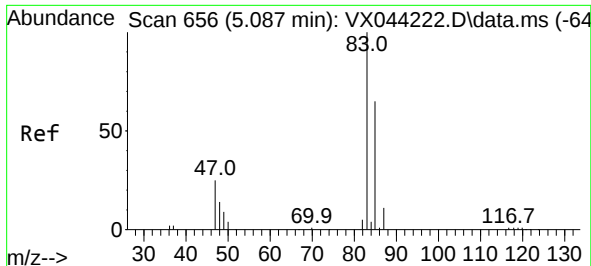
Tgt Ion:	84	Resp:	764
Ion	Ratio	Lower	Upper
84	100		
49	43.9	104.2	156.4#
51	30.0	32.2	48.4#
86	55.2	50.9	76.3



#24
1,1-Dichloroethane
Concen: 2.679 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

Tgt Ion:	63	Resp:	8031
Ion	Ratio	Lower	Upper
63	100		
98	4.4	3.6	10.8
100	6.0	2.1	6.3





#30

Chloroform

Concen: 0.269 ug/l

RT: 5.093 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX044553.D

Acq: 30 Dec 2024 18:51

Instrument :

MSVOA_X

ClientSampleId :

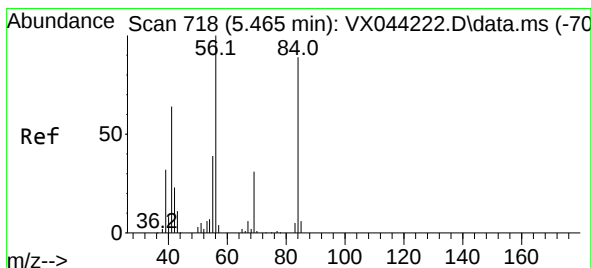
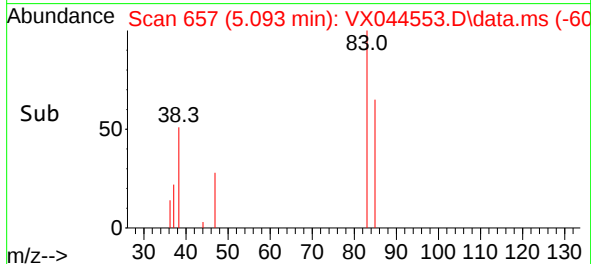
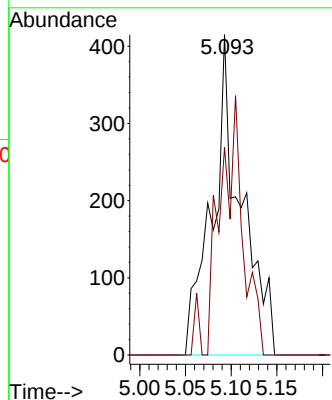
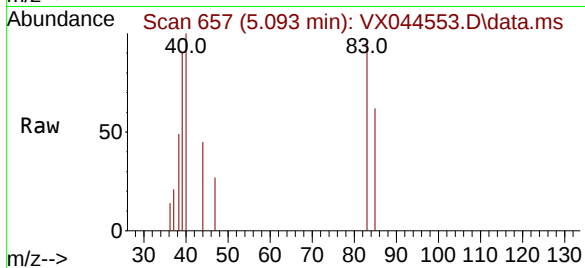
TT17411-20241218

Tgt Ion: 83 Resp: 907

Ion Ratio Lower Upper

83 100

85 64.8 51.6 77.4



#31

Cyclohexane

Concen: 1.378 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX044553.D

Acq: 30 Dec 2024 18:51

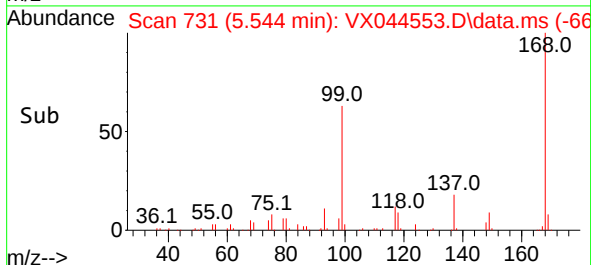
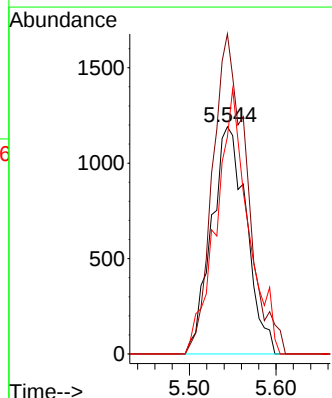
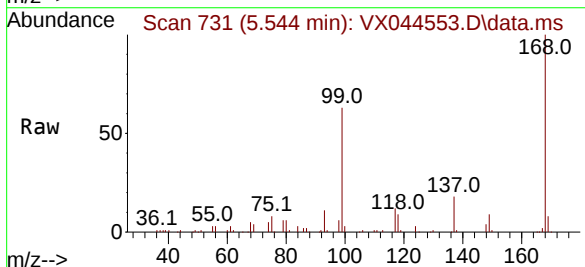
Tgt Ion: 56 Resp: 3336

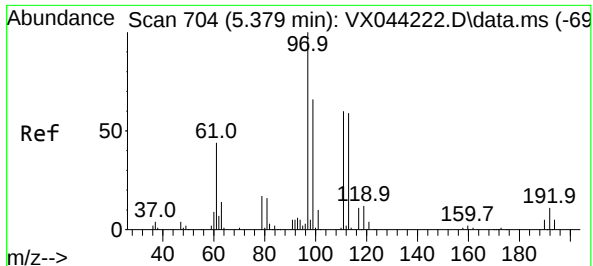
Ion Ratio Lower Upper

56 100

69 140.8 24.7 37.1#

84 95.5 71.0 106.6





#32

1,1,1-Trichloroethane

Concen: 0.352 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX044553.D

Acq: 30 Dec 2024 18:51

Instrument :

MSVOA_X

ClientSampleId :

TT17411-20241218

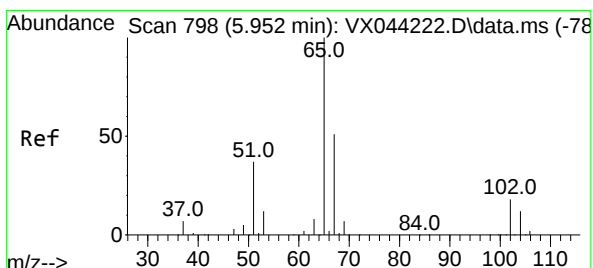
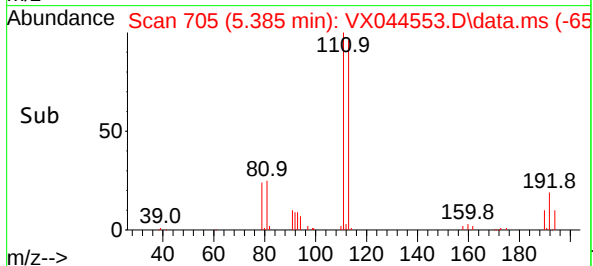
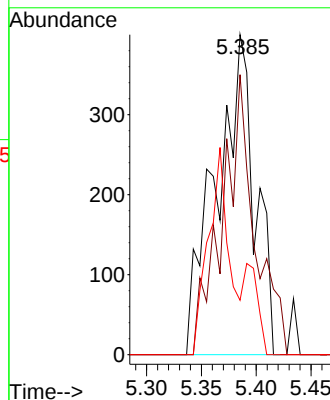
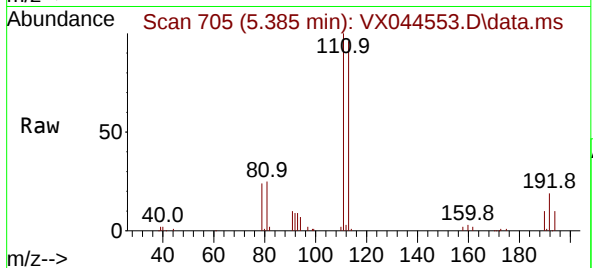
Tgt Ion: 97 Resp: 983

Ion Ratio Lower Upper

97 100

99 0.0 50.8 76.2#

61 34.9 35.2 52.8#



#33

1,2-Dichloroethane-d4

Concen: 40.776 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX044553.D

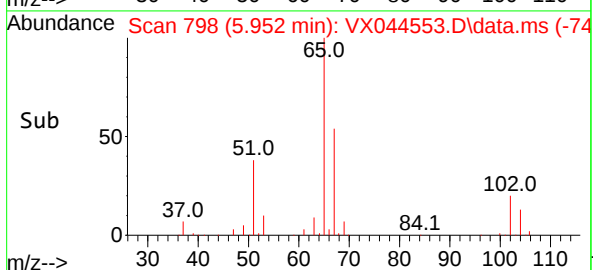
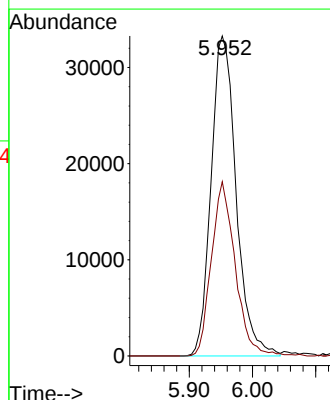
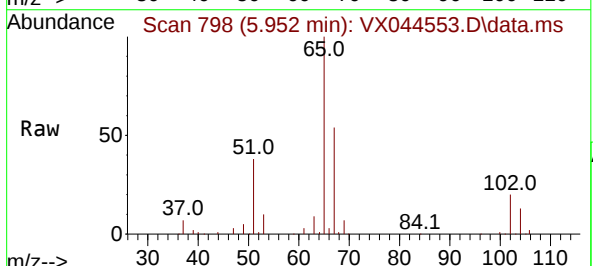
Acq: 30 Dec 2024 18:51

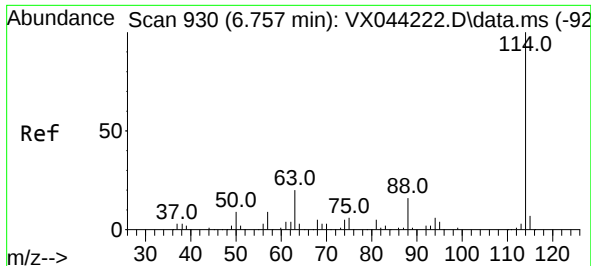
Tgt Ion: 65 Resp: 91442

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.6

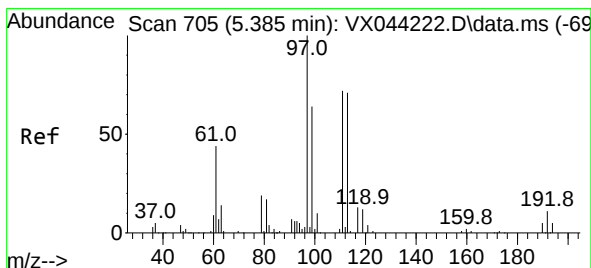
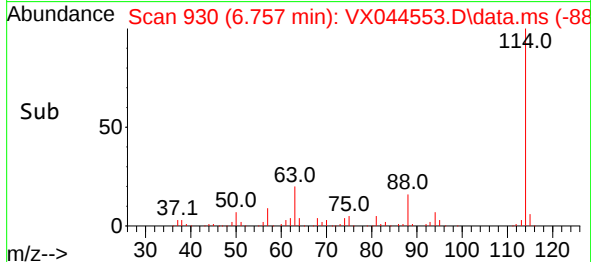
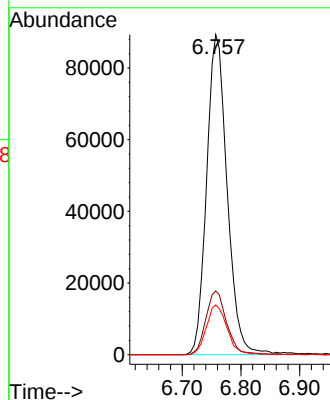
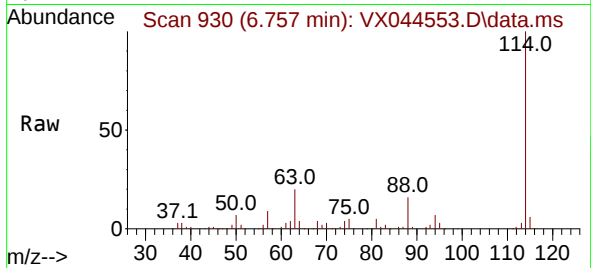




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

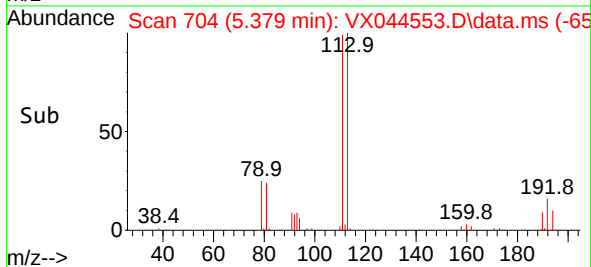
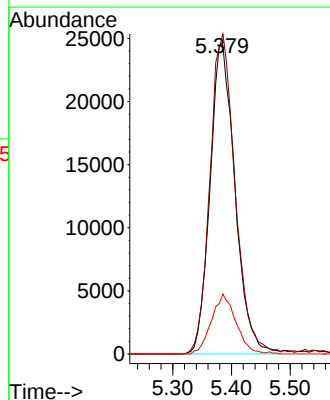
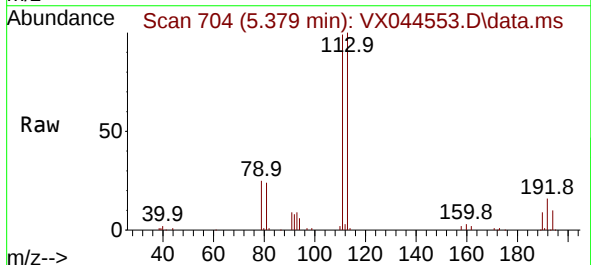
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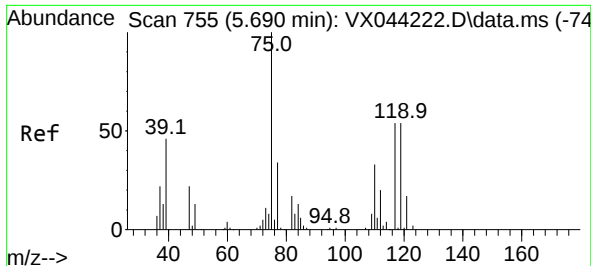
Tgt Ion:114 Resp: 216454
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.6
88 15.6 0.0 31.8



#35
Dibromofluoromethane
Concen: 48.577 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

Tgt Ion:113 Resp: 72824
Ion Ratio Lower Upper
113 100
111 103.8 80.4 120.6
192 18.8 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.144 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX044553.D

Acq: 30 Dec 2024 18:51

Instrument :

MSVOA_X

ClientSampleId :

TT17411-20241218

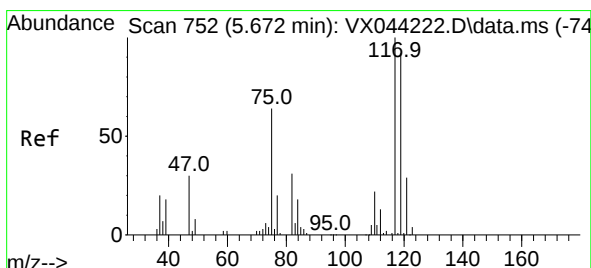
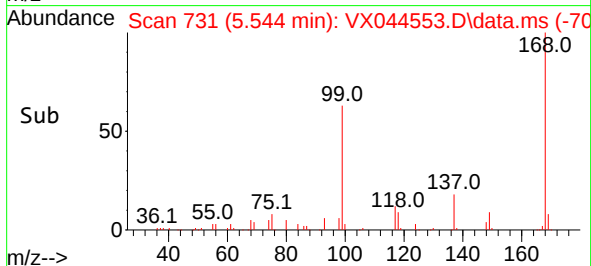
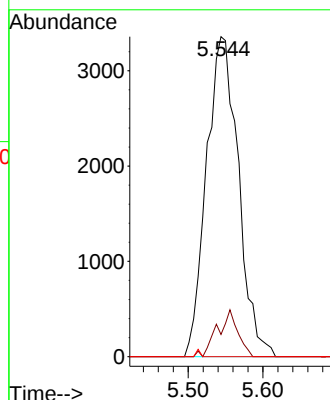
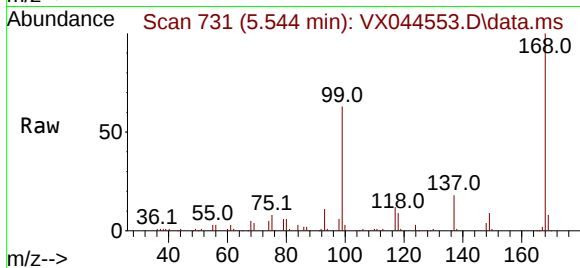
Tgt Ion: 75 Resp: 9968

Ion Ratio Lower Upper

75 100

110 9.4 17.3 51.7#

77 0.0 25.4 38.0#



#38

Carbon Tetrachloride

Concen: 6.132 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX044553.D

Acq: 30 Dec 2024 18:51

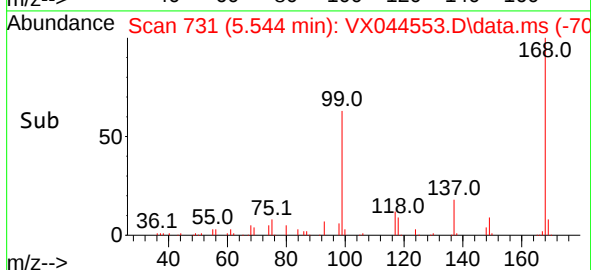
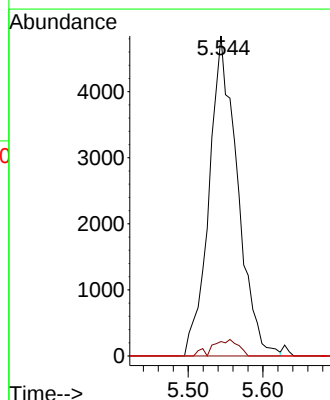
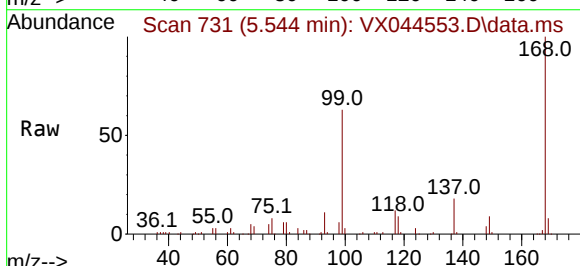
Tgt Ion: 117 Resp: 12793

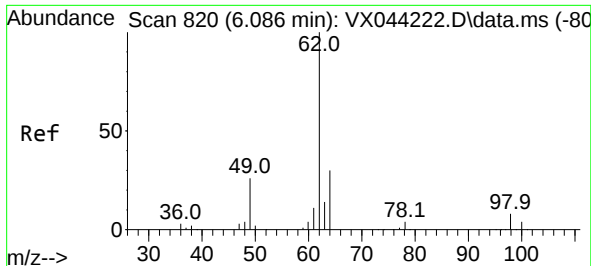
Ion Ratio Lower Upper

117 100

119 4.5 74.2 111.4#

121 0.0 23.0 34.6#





#42

1,2-Dichloroethane

Concen: 0.222 ug/l

RT: 6.111 min Scan# 81

Delta R.T. 0.024 min

Lab File: VX044553.D

Acq: 30 Dec 2024 18:51

Instrument :

MSVOA_X

ClientSampleId :

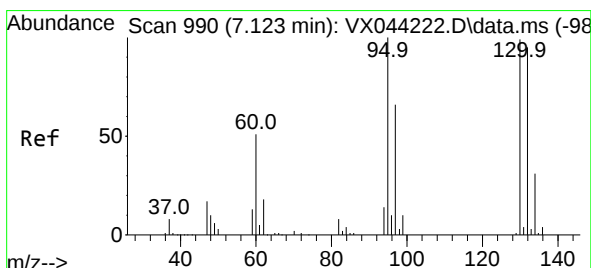
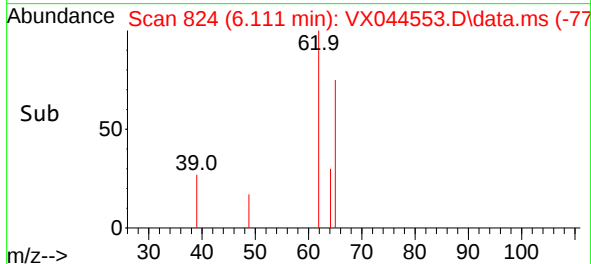
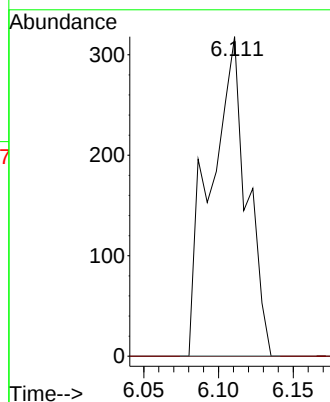
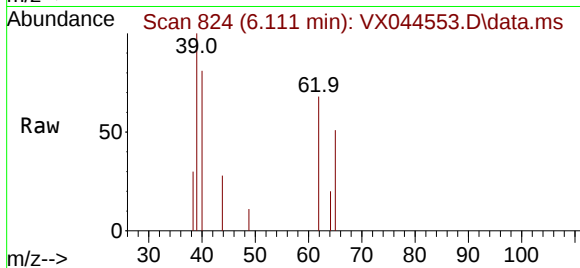
TT17411-20241218

Tgt Ion: 62 Resp: 537

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#44

Trichloroethene

Concen: 1.728 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.012 min

Lab File: VX044553.D

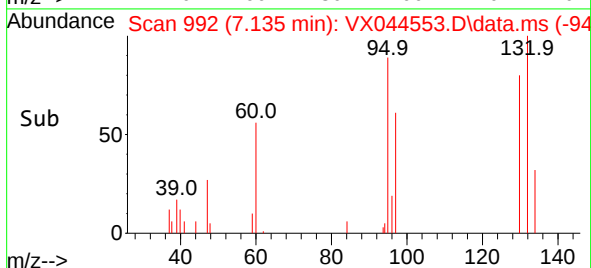
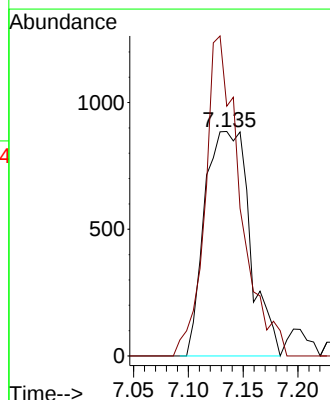
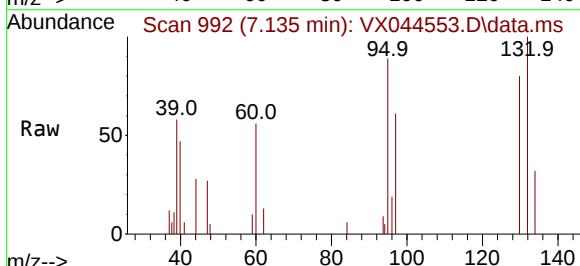
Acq: 30 Dec 2024 18:51

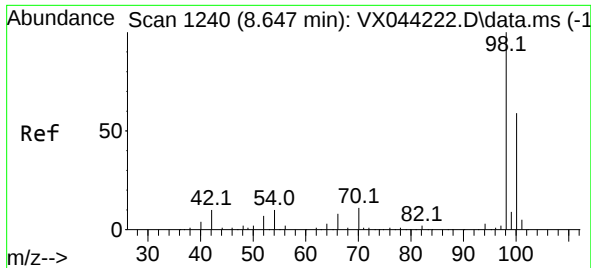
Tgt Ion:130 Resp: 2535

Ion Ratio Lower Upper

130 100

95 104.2 0.0 201.4

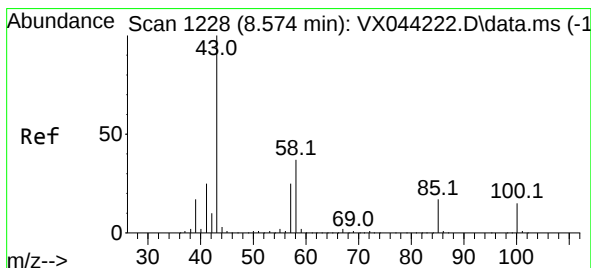
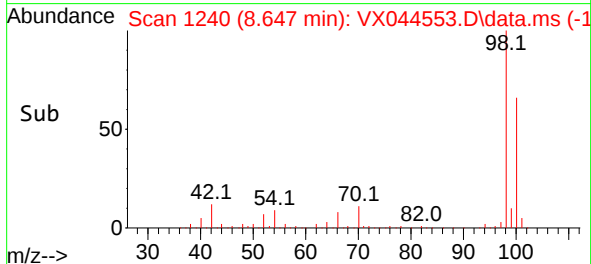
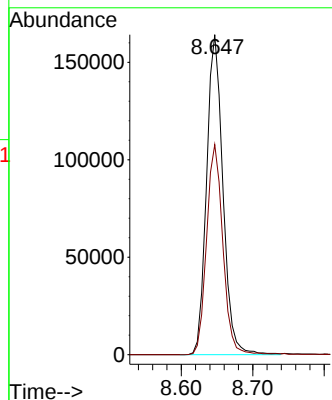
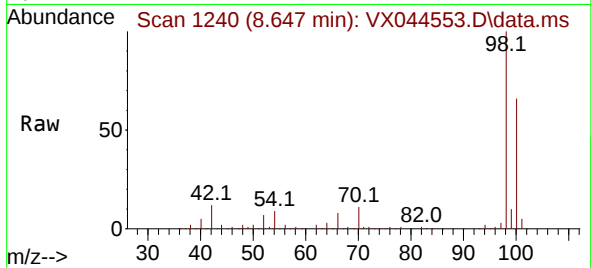




#50
Toluene-d8
Concen: 51.533 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

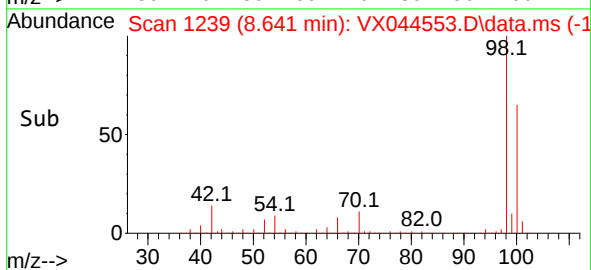
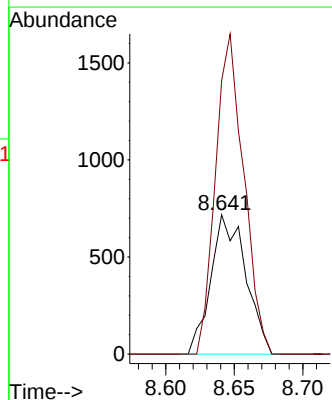
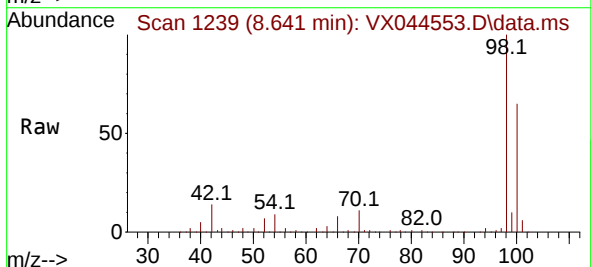
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20241218

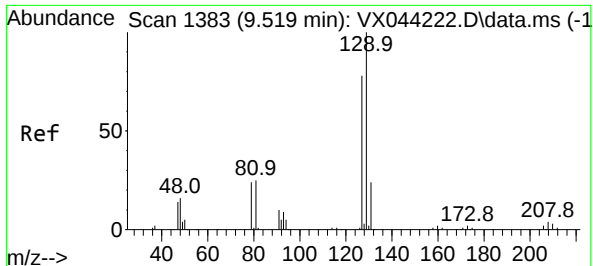
Tgt Ion: 98 Resp: 260638
Ion Ratio Lower Upper
98 100
100 65.3 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.528 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

Tgt Ion: 43 Resp: 1271
Ion Ratio Lower Upper
43 100
58 186.0 29.4 44.0#

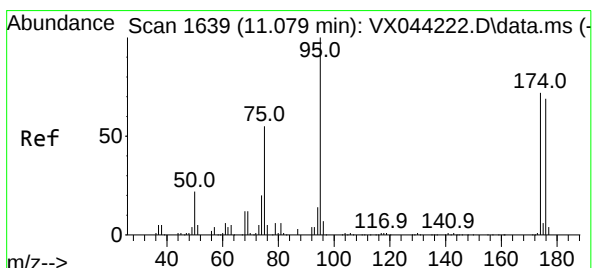
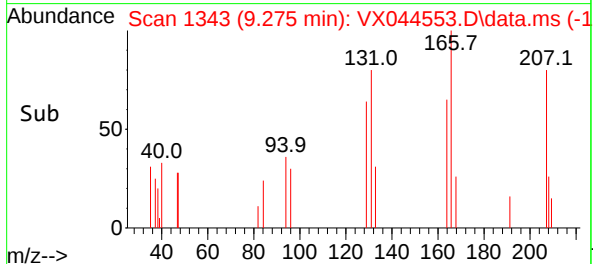
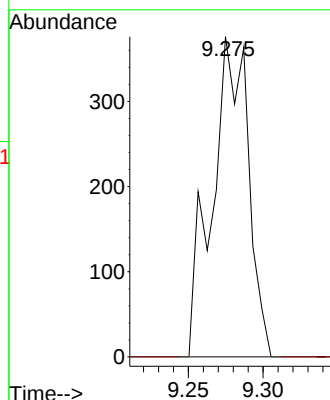
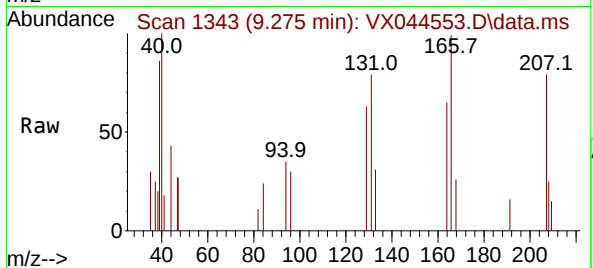




#60
Dibromochloromethane
Concen: 1.648 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

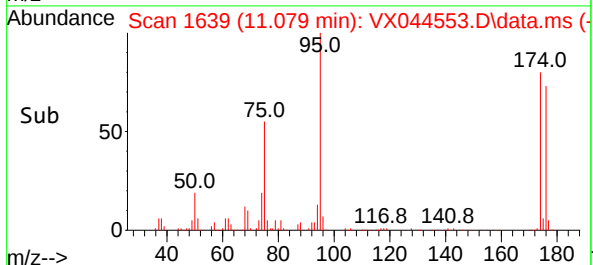
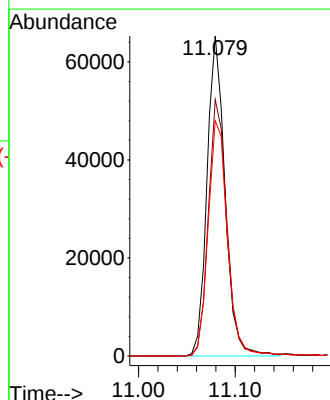
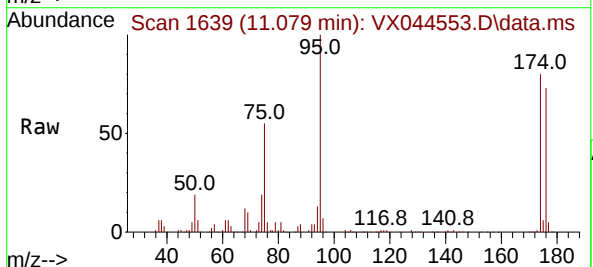
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20241218

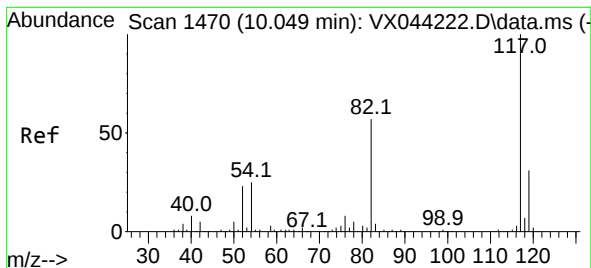
Tgt Ion:129 Resp: 635
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 47.928 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

Tgt Ion: 95 Resp: 84702
Ion Ratio Lower Upper
95 100
174 83.0 0.0 145.8
176 78.5 0.0 137.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044553.D

Acq: 30 Dec 2024 18:51

Instrument :

MSVOA_X

ClientSampleId :

TT17411-20241218

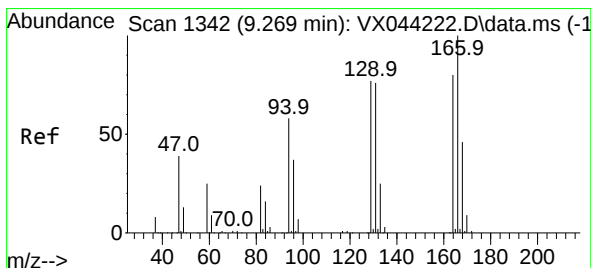
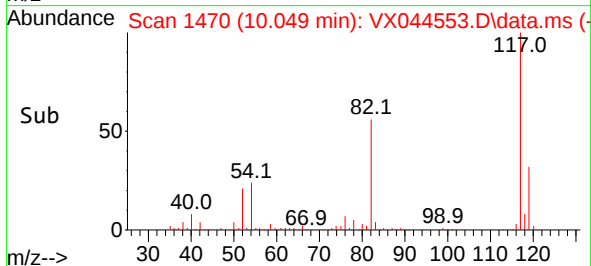
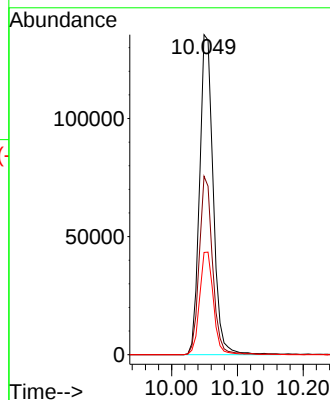
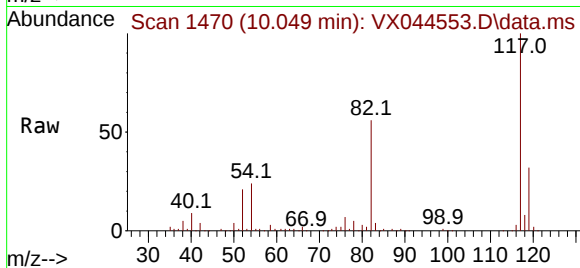
Tgt Ion:117 Resp: 194600

Ion Ratio Lower Upper

117 100

82 55.8 45.8 68.8

119 31.9 25.0 37.4



#64

Tetrachloroethene

Concen: 0.536 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. 0.012 min

Lab File: VX044553.D

Acq: 30 Dec 2024 18:51

Tgt Ion:164 Resp: 692

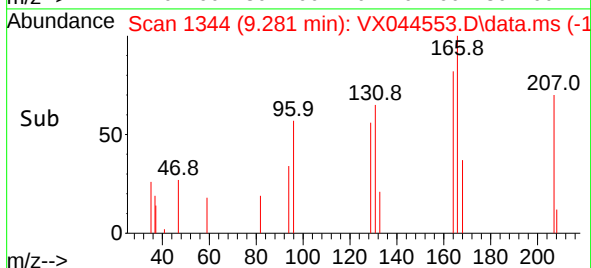
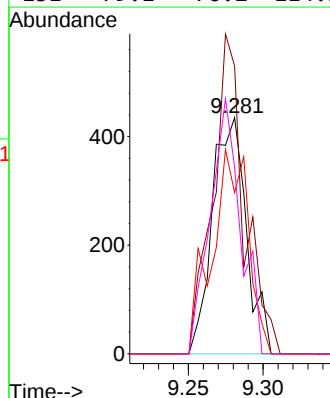
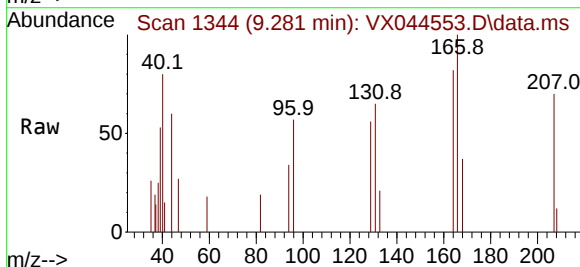
Ion Ratio Lower Upper

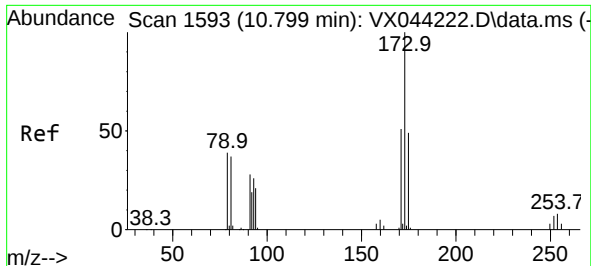
164 100

166 121.8 100.4 150.6

129 68.3 77.2 115.8#

131 79.1 76.2 114.2

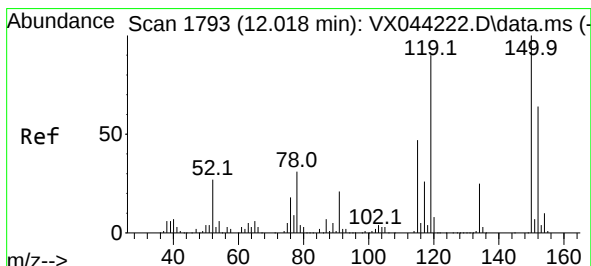
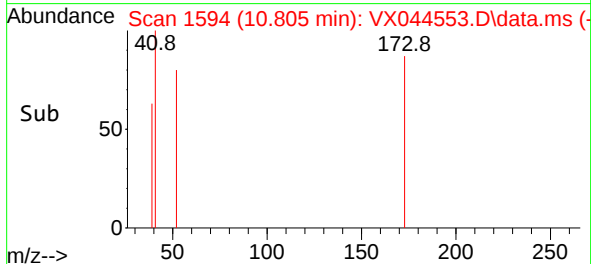
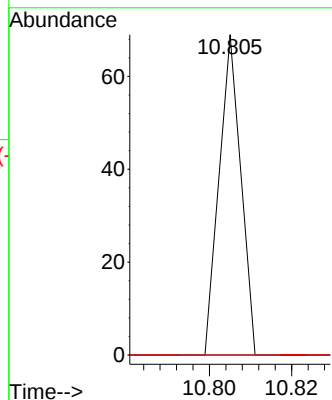
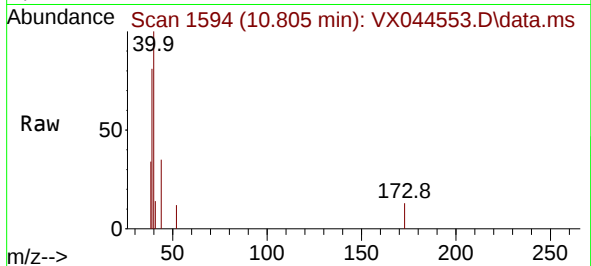




#71
Bromoform
Concen: 1.259 ug/l
RT: 10.805 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

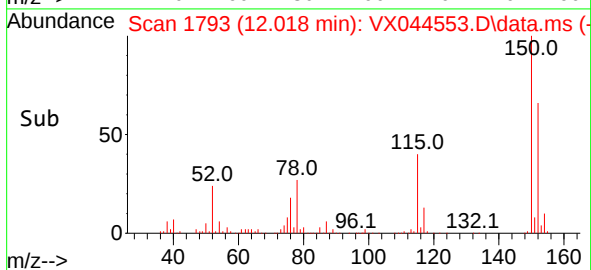
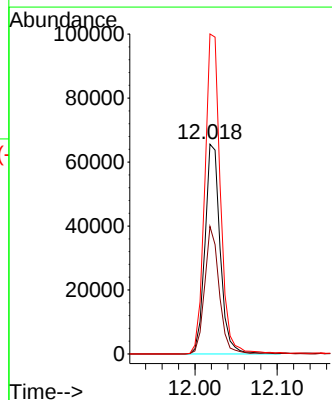
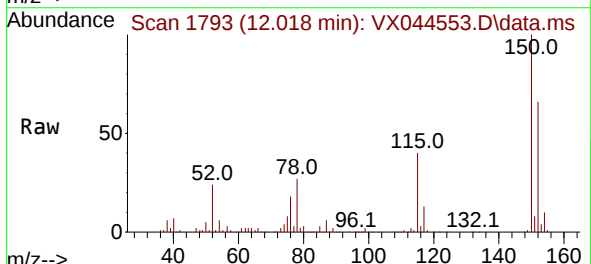
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20241218

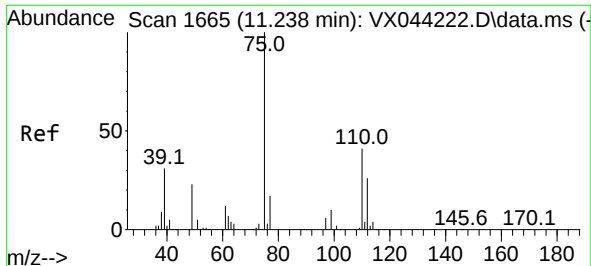
Tgt Ion:173 Resp: 25
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

Tgt Ion:152 Resp: 84267
Ion Ratio Lower Upper
152 100
115 58.3 44.5 133.3
150 156.3 0.0 353.8

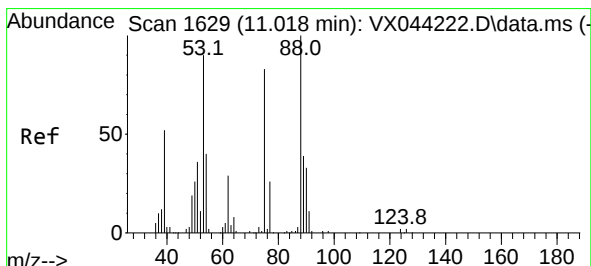
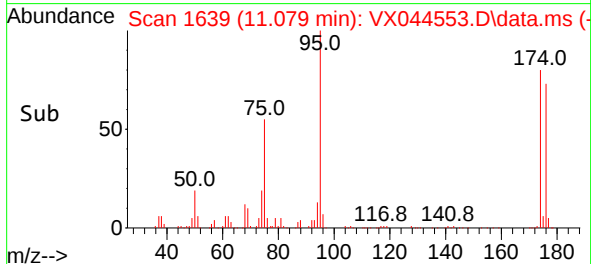
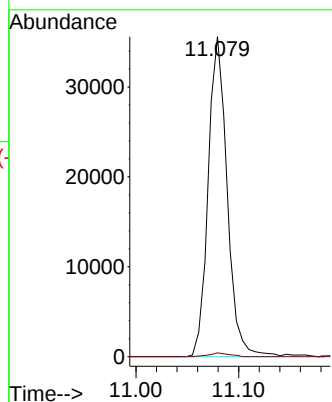
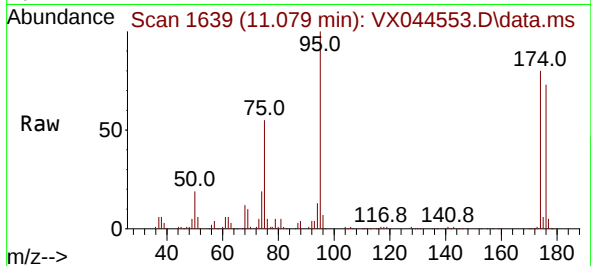




#76
1,2,3-Trichloropropane
Concen: 24.241 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

Instrument :
MSVOA_X
ClientSampleId :
TT17411-20241218

Tgt Ion: 75 Resp: 45608
Ion Ratio Lower Upper
75 100
77 1.3 20.9 62.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.290 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

Tgt Ion: 75 Resp: 45608
Ion Ratio Lower Upper
75 100
53 0.0 93.6 140.4#
89 0.0 37.3 55.9#

