

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
 Data File : VX044481.D
 Acq On : 23 Dec 2024 15:38
 Operator : JC/MD
 Sample : P5374-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 23 21:58:48 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

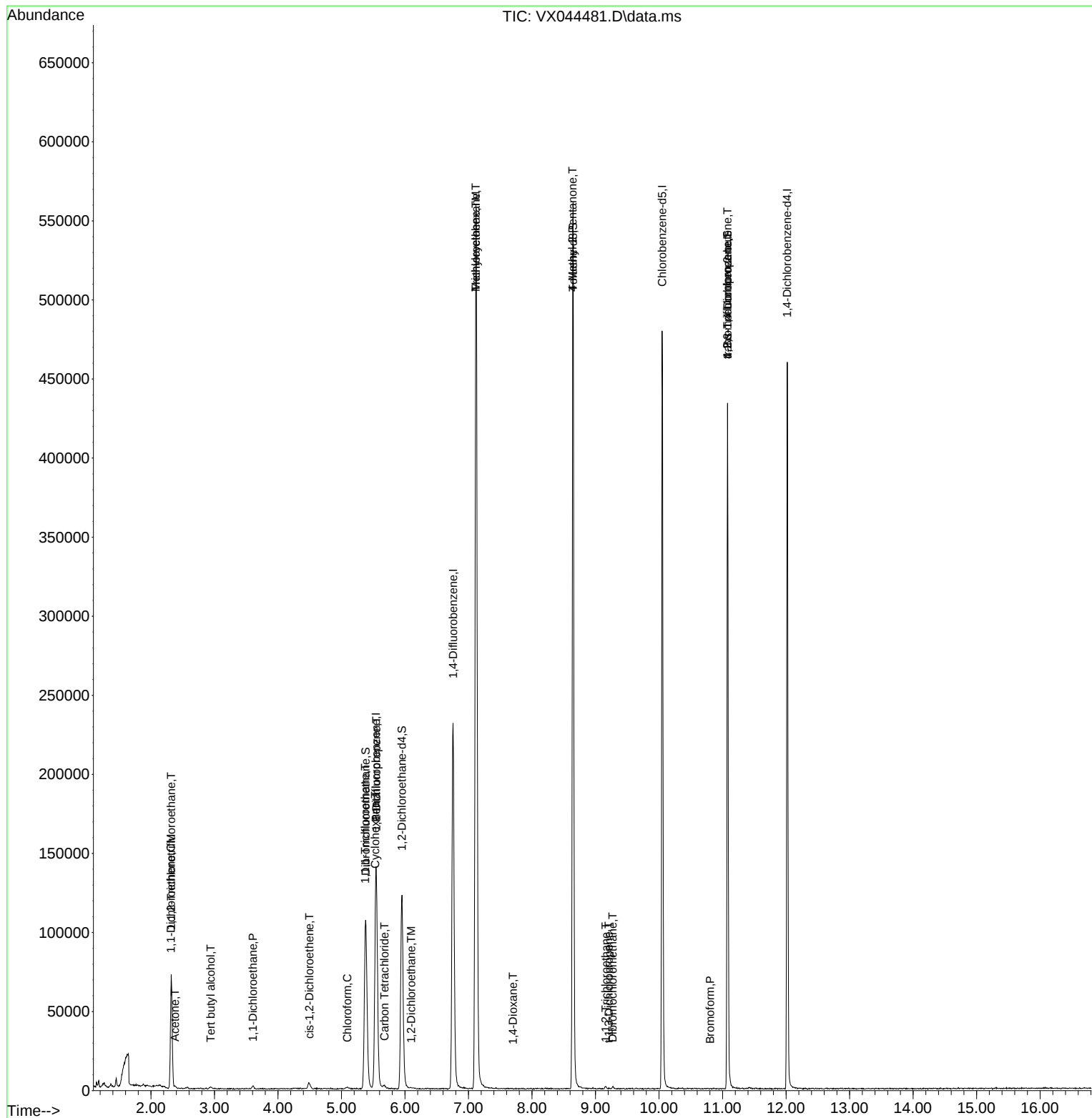
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	132243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	237676	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	212650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	117110	50.508	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 101.020%		
35) Dibromofluoromethane	5.379	113	91062	55.319	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 110.640%		
50) Toluene-d8	8.647	98	333785	60.103	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 120.200%#		
62) 4-Bromofluorobenzene	11.079	95	110042	56.707	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 113.420%		
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	19823	12.283	ug/l	95
11) Tert butyl alcohol	2.940	59	375	1.148	ug/l #	71
12) 1,1-Dichloroethene	2.312	96	7751	5.229	ug/l	83
16) Acetone	2.379	43	1316	1.392	ug/l	97
24) 1,1-Dichloroethane	3.605	63	1921	0.620	ug/l #	94
27) cis-1,2-Dichloroethene	4.495	96	2405	1.202	ug/l	88
30) Chloroform	5.092	83	1565	0.449	ug/l	94
31) Cyclohexane	5.531	56	3325	1.329	ug/l #	62
32) 1,1,1-Trichloroethane	5.373	97	1517	0.525	ug/l #	48
36) 1,1-Dichloropropene	5.550	75	10721	5.038	ug/l #	51
38) Carbon Tetrachloride	5.678	117	1647	0.719	ug/l #	82
39) Methylcyclohexane	7.116	83	2671	1.050	ug/l #	1
42) 1,2-Dichloroethane	6.098	62	754	0.283	ug/l #	78
44) Trichloroethene	7.116	130	216035	134.094	ug/l	99
49) 1,4-Dioxane	7.702	88	24	0.725	ug/l #	32
51) 4-Methyl-2-Pentanone	8.641	43	1359	0.514	ug/l #	1
53) t-1,3-Dichloropropene	9.208	75	37	1.012	ug/l #	41
55) 1,1,2-Trichloroethane	9.159	97	597	0.370	ug/l #	82
60) Dibromochloromethane	9.268	129	100	1.291	ug/l #	11
71) Bromoform	10.805	173	38	1.270	ug/l #	29
76) 1,2,3-Trichloropropane	11.079	75	59610	28.821	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	59610	78.951	ug/l #	4

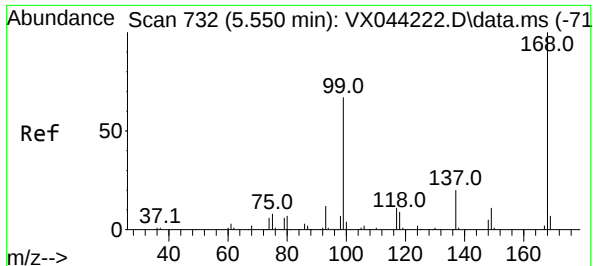
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
MSVOA_X
ClientSampleId :

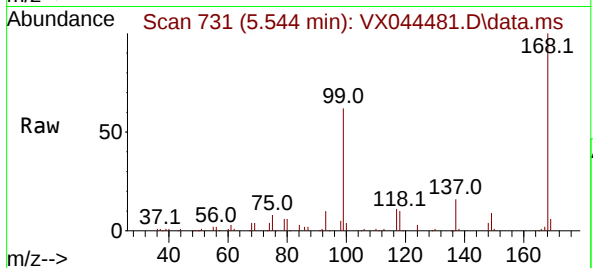
Quant Time: Dec 23 21:58:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
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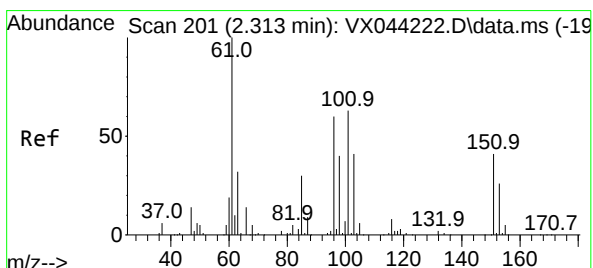
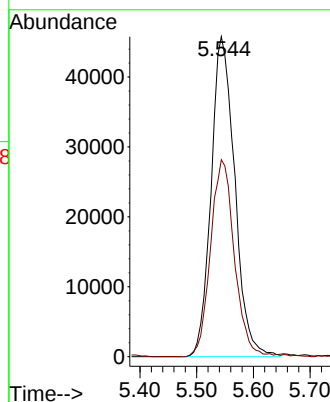
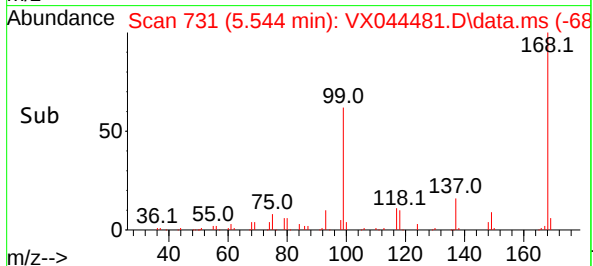


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044481.D
Acq: 23 Dec 2024 15:38

Instrument :
MSVOA_X
ClientSampleId :

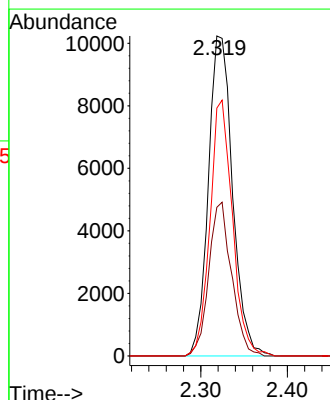
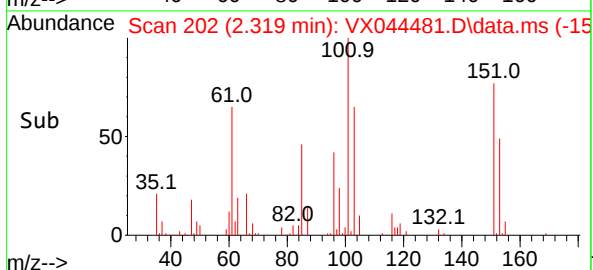
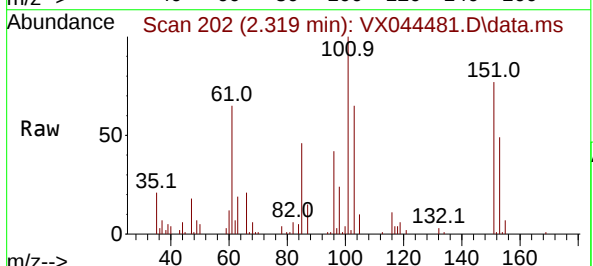


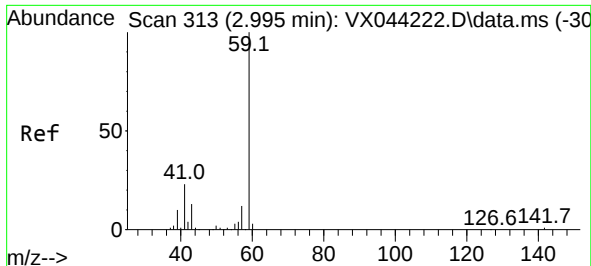
Tgt Ion:168 Resp: 132243
Ion Ratio Lower Upper
168 100
99 61.6 53.4 80.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 12.283 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX044481.D
Acq: 23 Dec 2024 15:38

Tgt Ion:101 Resp: 19823
Ion Ratio Lower Upper
101 100
85 45.4 38.5 57.7
151 74.5 55.8 83.6

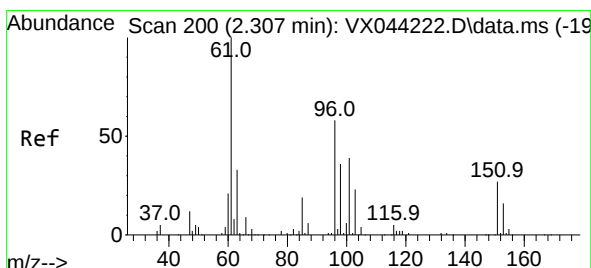
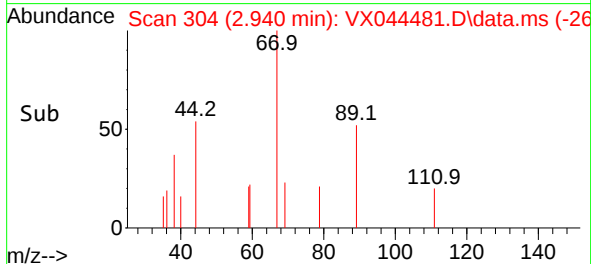
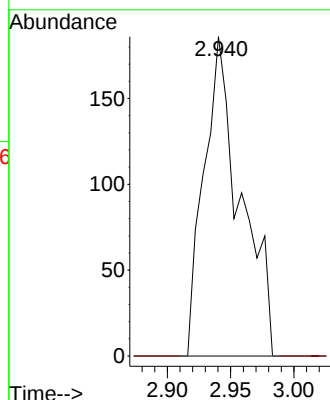
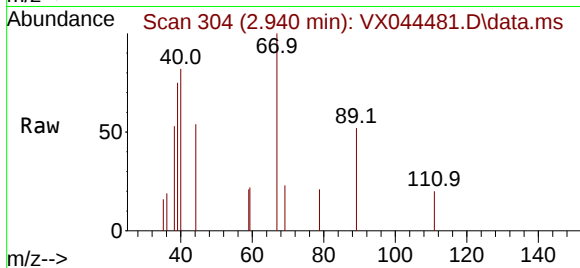




#11
Tert butyl alcohol
Concen: 1.148 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX044481.D
Acq: 23 Dec 2024 15:38

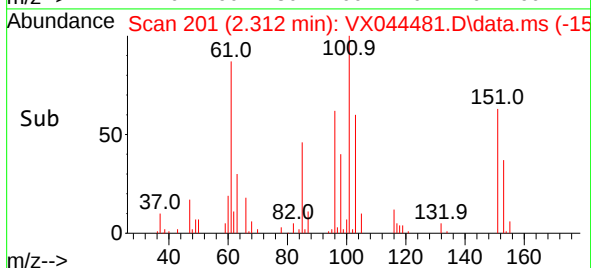
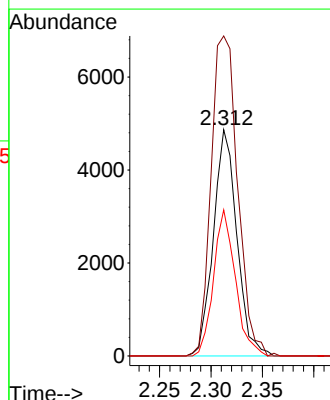
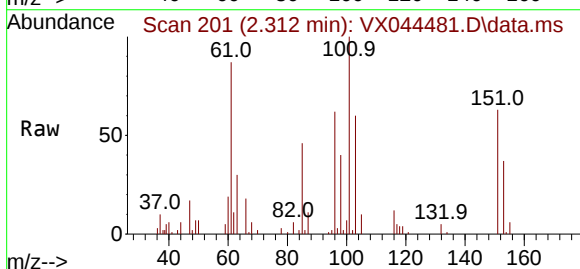
Instrument :
MSVOA_X
ClientSampleId :

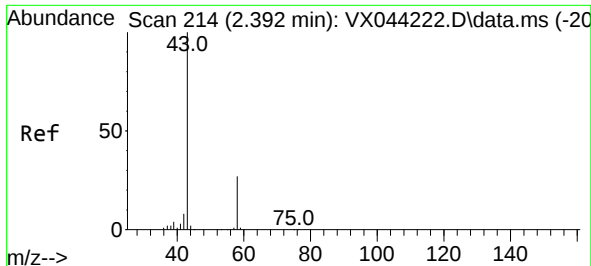
Tgt Ion: 59 Resp: 375
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 5.229 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044481.D
Acq: 23 Dec 2024 15:38

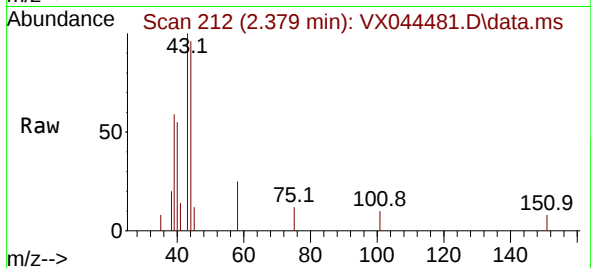
Tgt Ion: 96 Resp: 7751
Ion Ratio Lower Upper
96 100
61 141.4 138.0 207.0
98 64.5 50.0 75.0



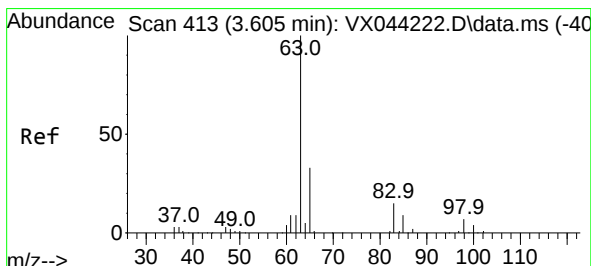
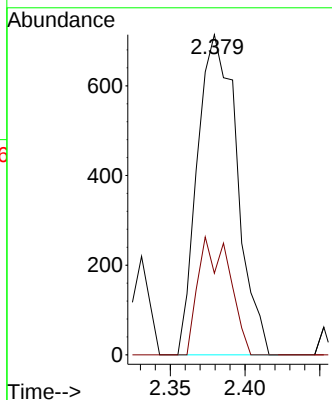
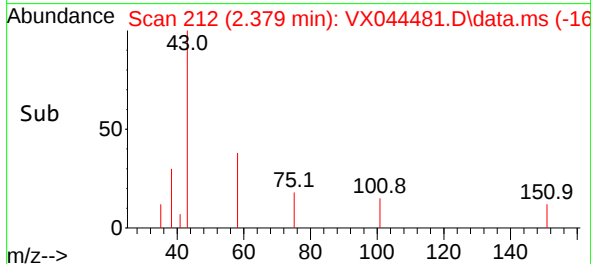


#16
Acetone
Concen: 1.392 ug/l
RT: 2.379 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX044481.D
Acq: 23 Dec 2024 15:38

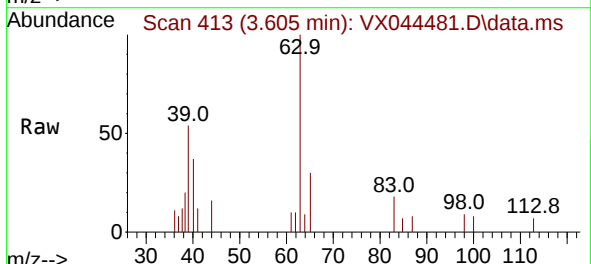
Instrument :
MSVOA_X
ClientSampleId :



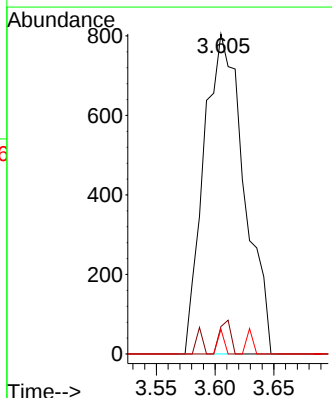
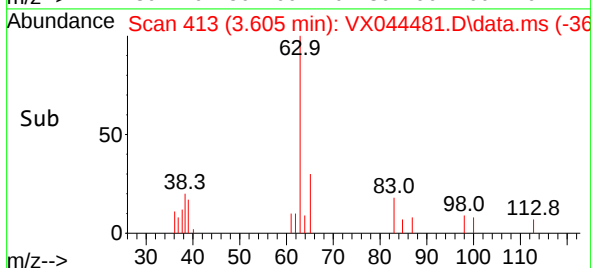
Tgt Ion: 43 Resp: 1316
Ion Ratio Lower Upper
43 100
58 25.5 21.6 32.4

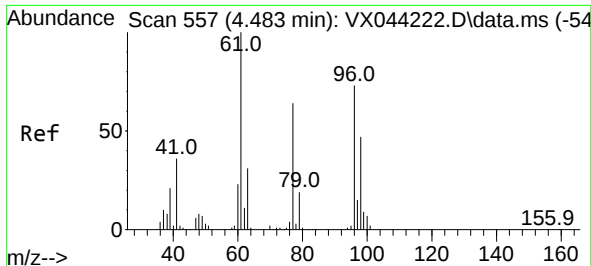


#24
1,1-Dichloroethane
Concen: 0.620 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044481.D
Acq: 23 Dec 2024 15:38



Tgt Ion: 63 Resp: 1921
Ion Ratio Lower Upper
63 100
98 8.6 3.6 10.8
100 7.7 2.1 6.3#





#27

cis-1,2-Dichloroethene

Concen: 1.202 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

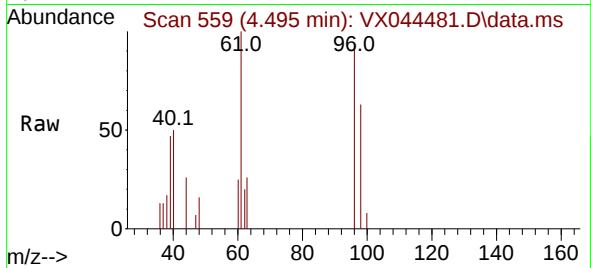
Lab File: VX044481.D

Acq: 23 Dec 2024 15:38

Instrument :

MSVOA_X

ClientSampleId :



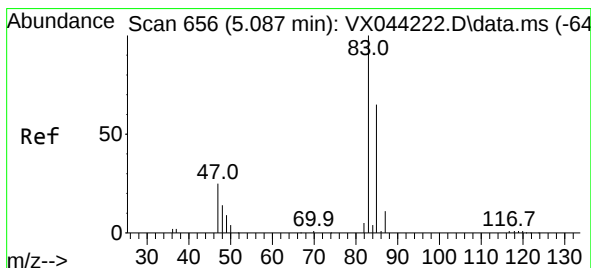
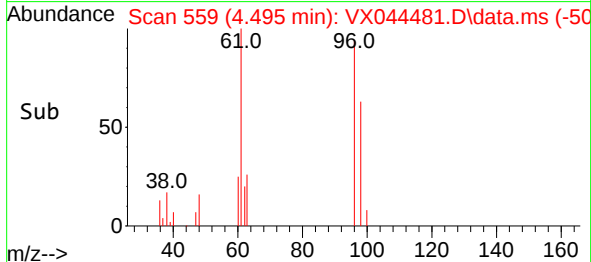
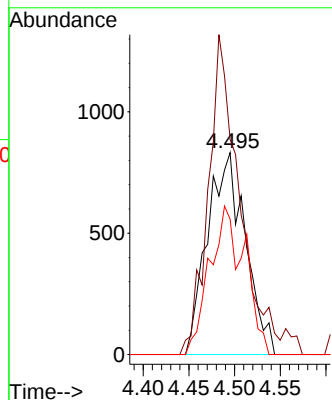
Tgt Ion: 96 Resp: 2405

Ion Ratio Lower Upper

96 100

61 129.4 0.0 299.0

98 68.0 0.0 129.0



#30

Chloroform

Concen: 0.449 ug/l

RT: 5.092 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX044481.D

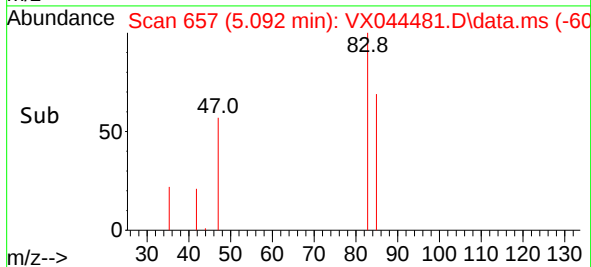
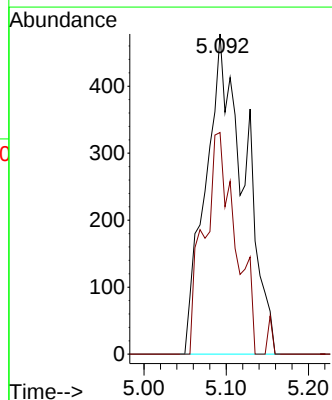
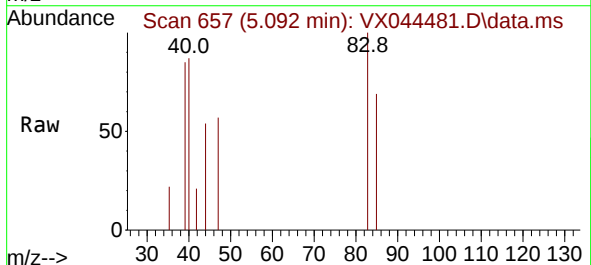
Acq: 23 Dec 2024 15:38

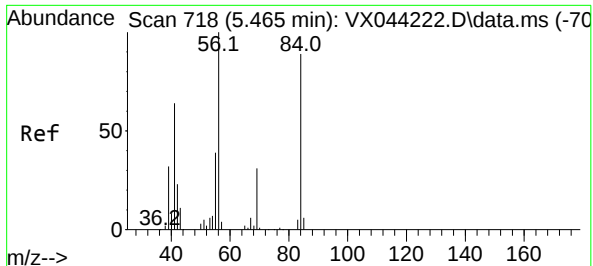
Tgt Ion: 83 Resp: 1565

Ion Ratio Lower Upper

83 100

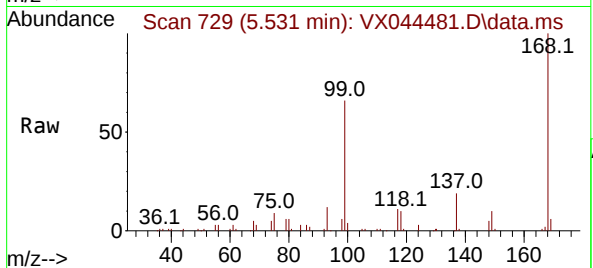
85 69.2 51.6 77.4



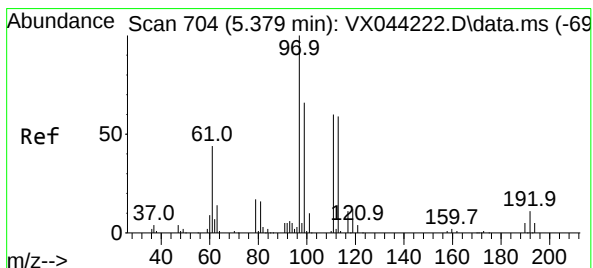
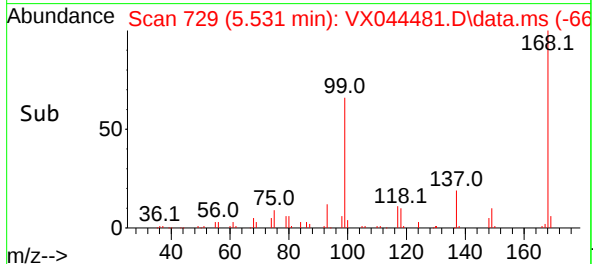
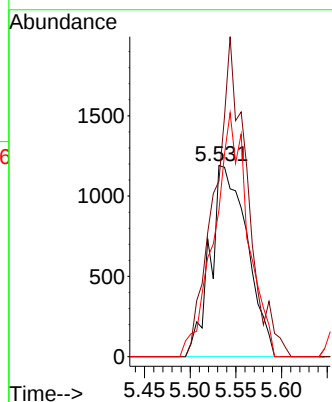


#31
Cyclohexane
Concen: 1.329 ug/l
RT: 5.531 min Scan# 718
Delta R.T. 0.067 min
Lab File: VX044481.D
Acq: 23 Dec 2024 15:38

Instrument :
MSVOA_X
ClientSampleId :

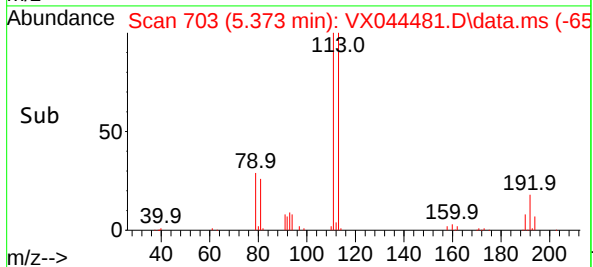
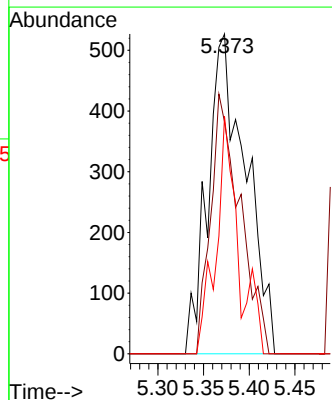
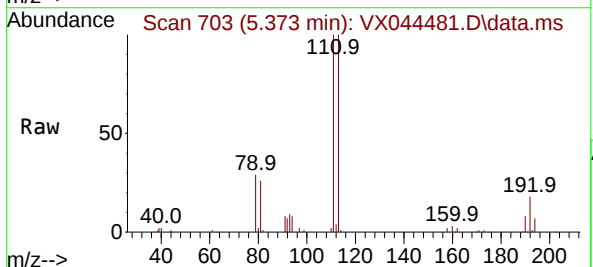


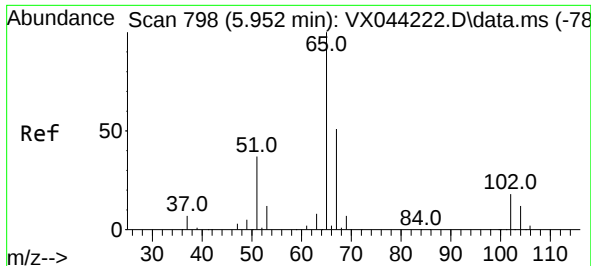
Tgt Ion: 56 Resp: 3325
Ion Ratio Lower Upper
56 100
69 91.8 24.7 37.1#
84 76.6 71.0 106.6



#32
1,1,1-Trichloroethane
Concen: 0.525 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044481.D
Acq: 23 Dec 2024 15:38

Tgt Ion: 97 Resp: 1517
Ion Ratio Lower Upper
97 100
99 0.0 50.8 76.2#
61 38.5 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 50.508 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX044481.D

Acq: 23 Dec 2024 15:38

Instrument :

MSVOA_X

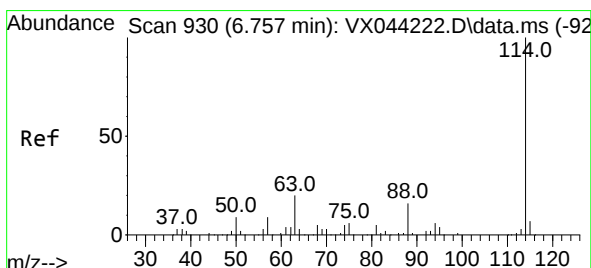
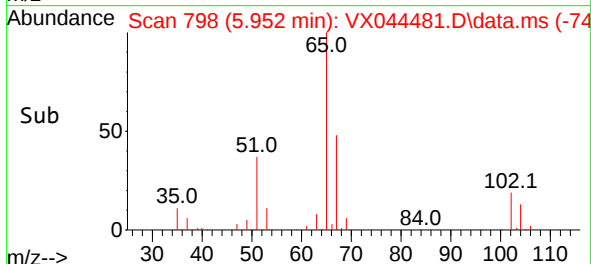
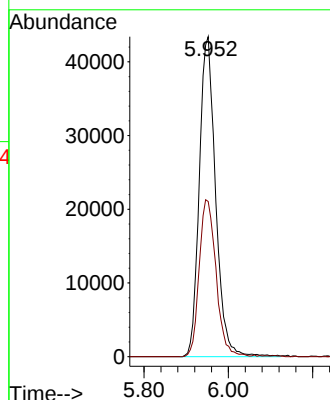
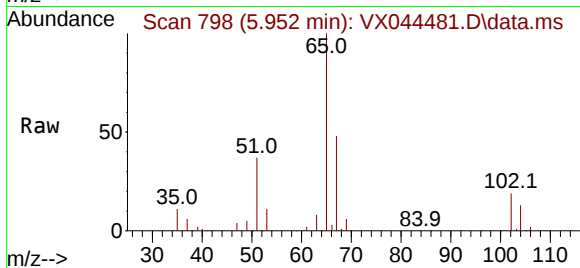
ClientSampleId :

Tgt Ion: 65 Resp: 117110

Ion Ratio Lower Upper

65 100

67 50.7 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: VX044481.D

Acq: 23 Dec 2024 15:38

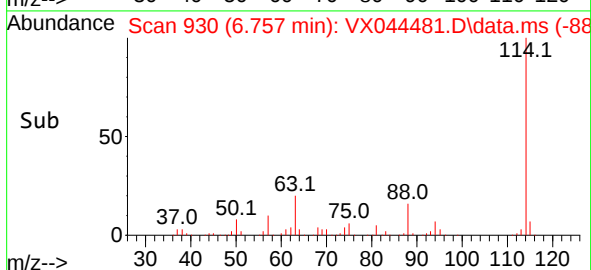
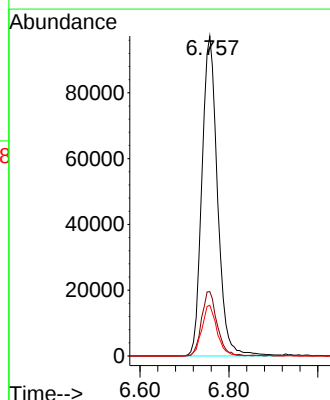
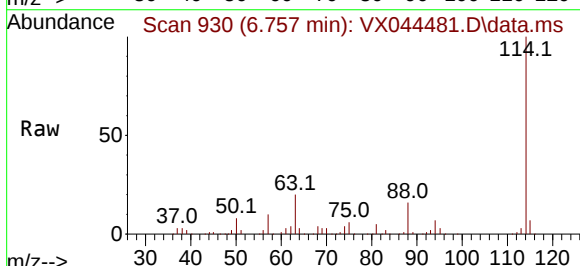
Tgt Ion: 114 Resp: 237676

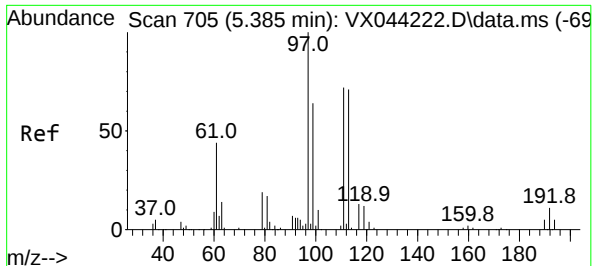
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.6

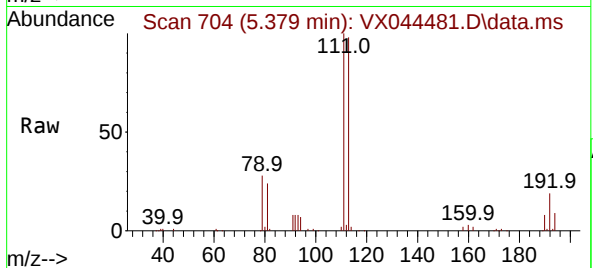
88 15.8 0.0 31.8



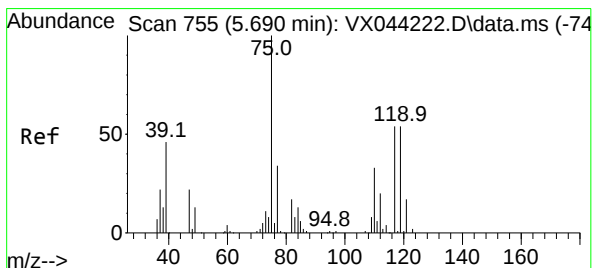
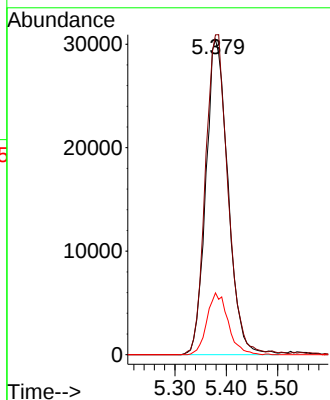
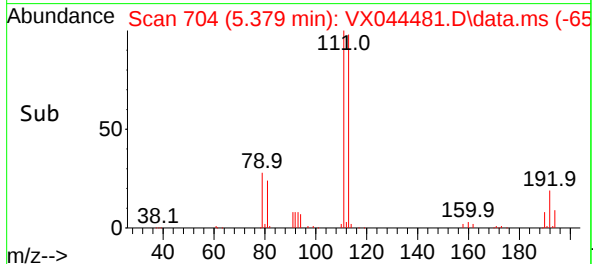


#35
Dibromofluoromethane
Concen: 55.319 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX044481.D
Acq: 23 Dec 2024 15:38

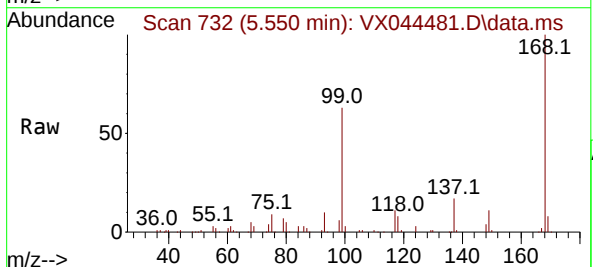
Instrument :
MSVOA_X
ClientSampleId :



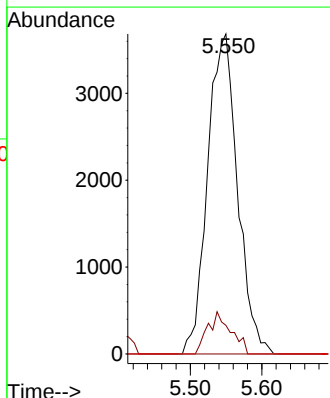
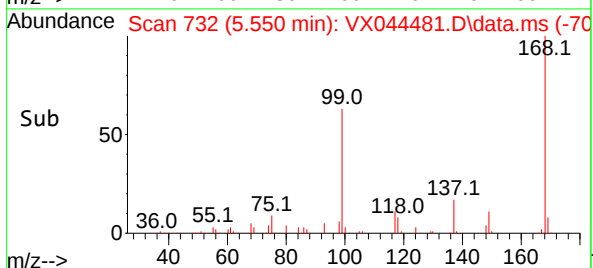
Tgt Ion:113 Resp: 91062
Ion Ratio Lower Upper
113 100
111 102.8 80.4 120.6
192 18.7 13.3 19.9

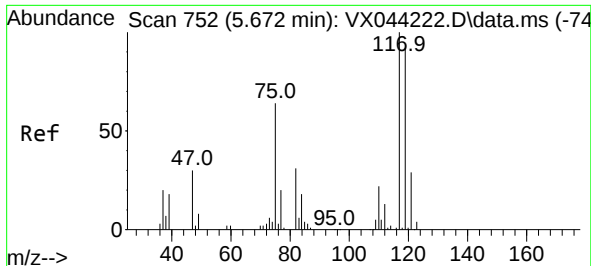


#36
1,1-Dichloropropene
Concen: 5.038 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX044481.D
Acq: 23 Dec 2024 15:38



Tgt Ion: 75 Resp: 10721
Ion Ratio Lower Upper
75 100
110 10.2 17.3 51.7#
77 0.0 25.4 38.0#

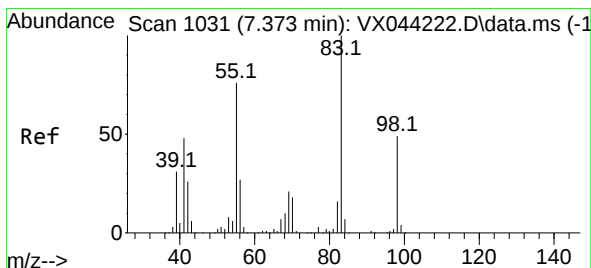
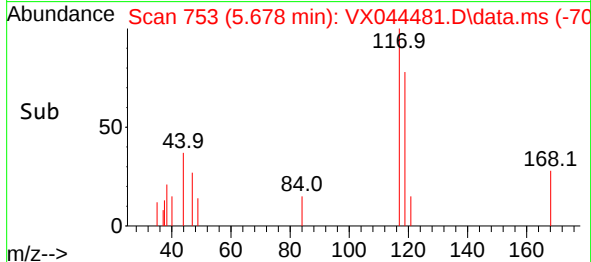
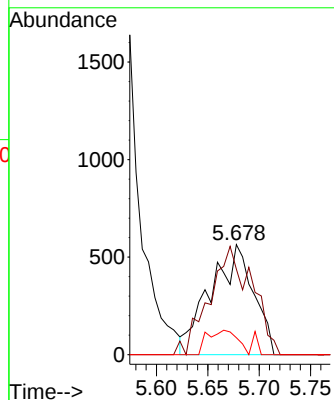
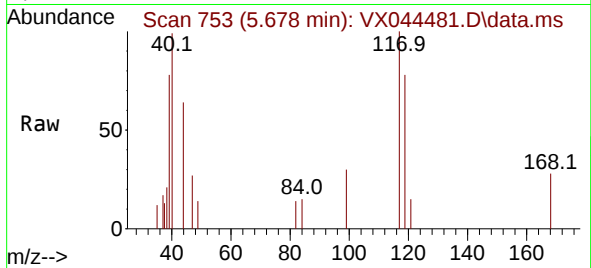




#38
Carbon Tetrachloride
Concen: 0.719 ug/l
RT: 5.678 min Scan# 711
Delta R.T. 0.006 min
Lab File: VX044481.D
Acq: 23 Dec 2024 15:38

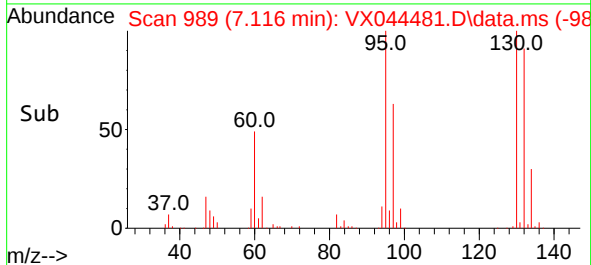
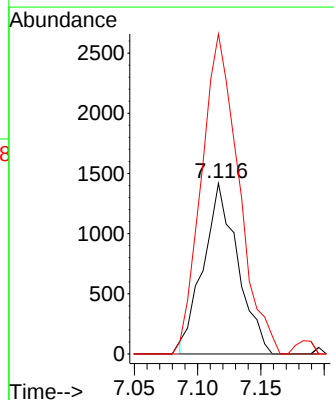
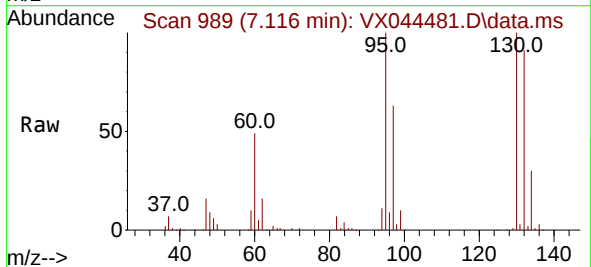
Instrument :
MSVOA_X
ClientSampleId :

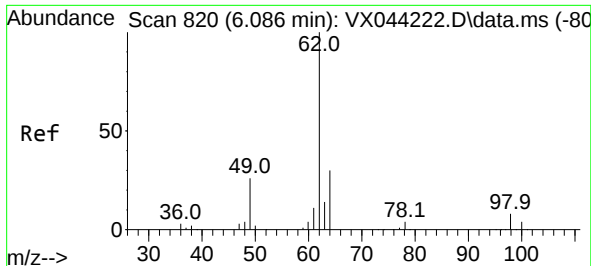
Tgt Ion:117 Resp: 1647
Ion Ratio Lower Upper
117 100
119 77.8 74.2 111.4
121 15.4 23.0 34.6#



#39
Methylcyclohexane
Concen: 1.050 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.256 min
Lab File: VX044481.D
Acq: 23 Dec 2024 15:38

Tgt Ion: 83 Resp: 2671
Ion Ratio Lower Upper
83 100
55 0.0 60.7 91.1#
98 187.4 38.9 58.3#





#42

1,2-Dichloroethane

Concen: 0.283 ug/l

RT: 6.098 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX044481.D

Acq: 23 Dec 2024 15:38

Instrument :

MSVOA_X

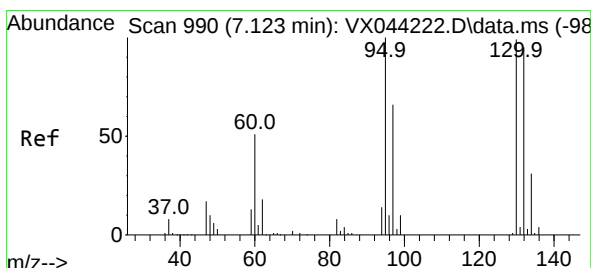
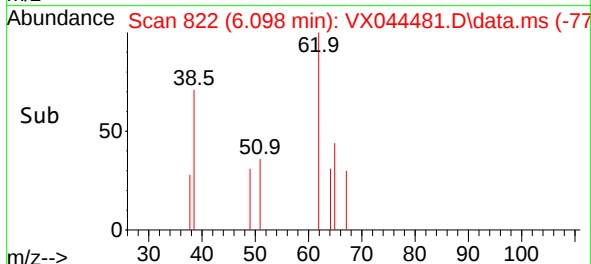
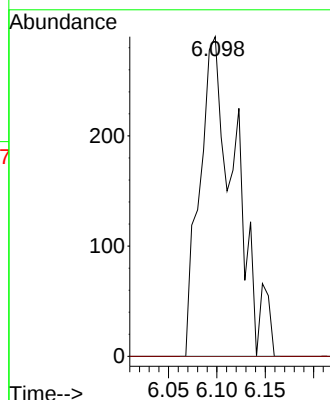
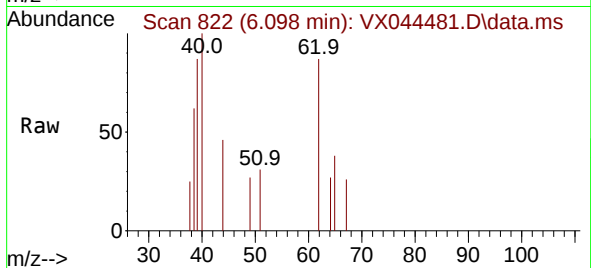
ClientSampleId :

Tgt Ion: 62 Resp: 754

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#44

Trichloroethene

Concen: 134.094 ug/l

RT: 7.116 min Scan# 989

Delta R.T. -0.006 min

Lab File: VX044481.D

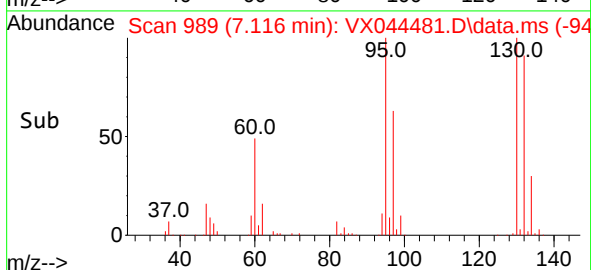
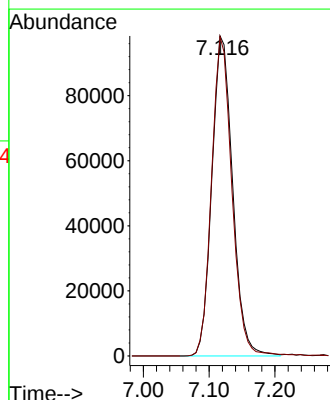
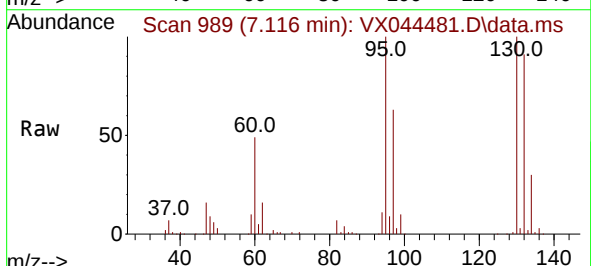
Acq: 23 Dec 2024 15:38

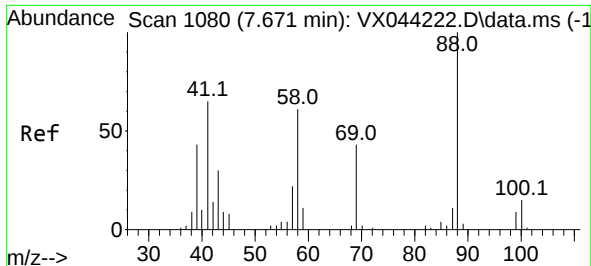
Tgt Ion:130 Resp: 216035

Ion Ratio Lower Upper

130 100

95 99.8 0.0 201.4





#49

1,4-Dioxane

Concen: 0.725 ug/l

RT: 7.702 min Scan# 1085

Delta R.T. 0.030 min

Lab File: VX044481.D

Acq: 23 Dec 2024 15:38

Instrument :

MSVOA_X

ClientSampleId :

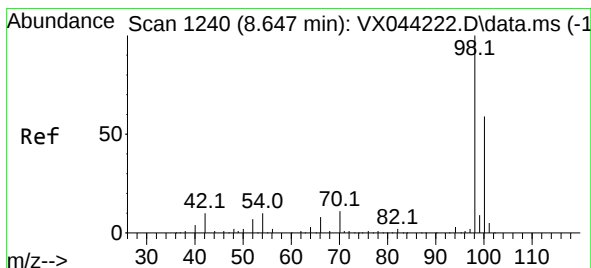
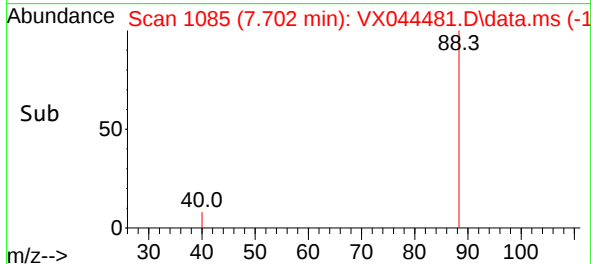
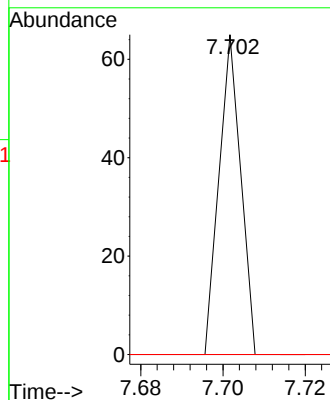
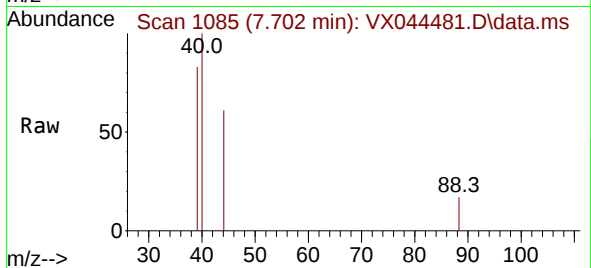
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 0.0 27.1 40.7#

58 0.0 41.0 61.4#



#50

Toluene-d8

Concen: 60.103 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX044481.D

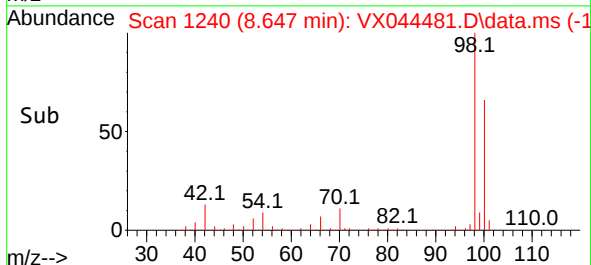
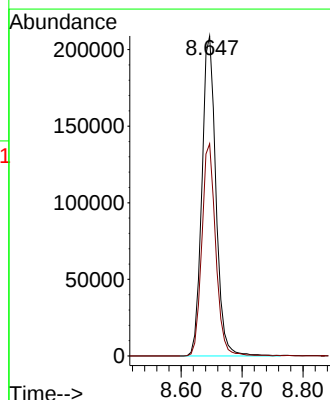
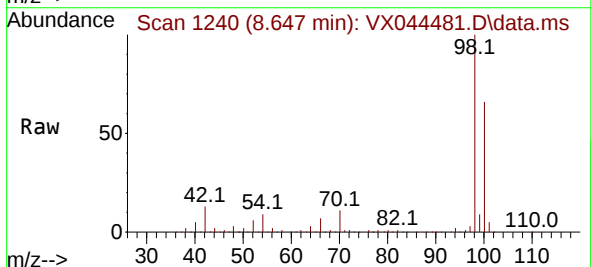
Acq: 23 Dec 2024 15:38

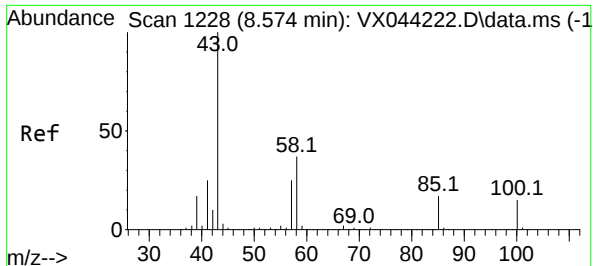
Tgt Ion: 98 Resp: 333785

Ion Ratio Lower Upper

98 100

100 65.8 51.5 77.3

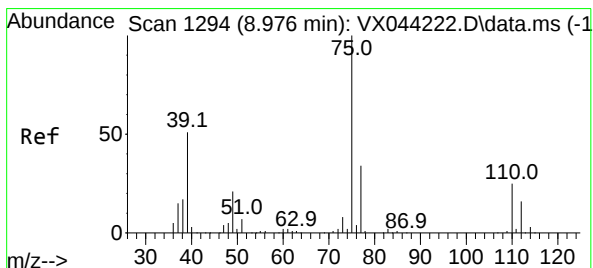
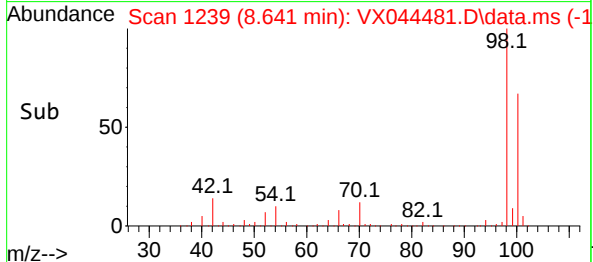
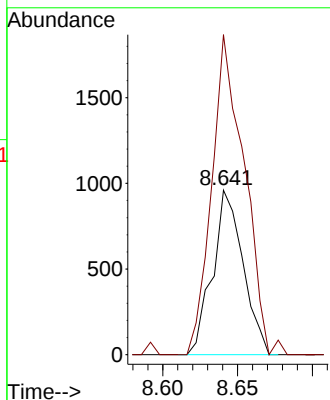
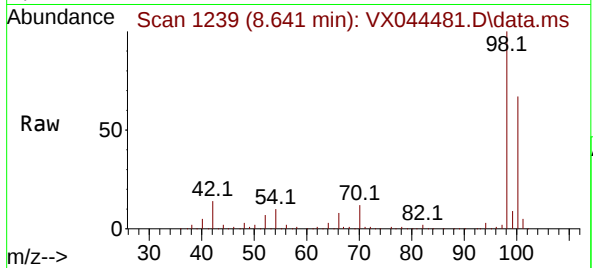




#51
4-Methyl-2-Pentanone
Concen: 0.514 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX044481.D
Acq: 23 Dec 2024 15:38

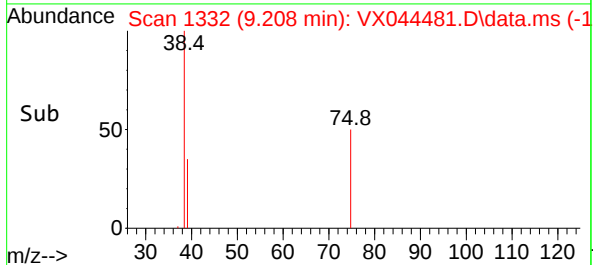
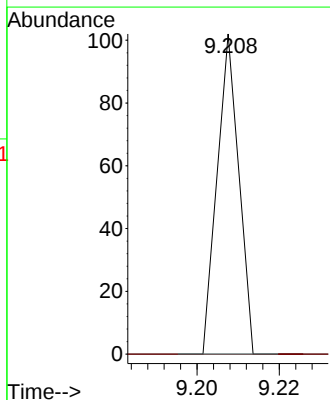
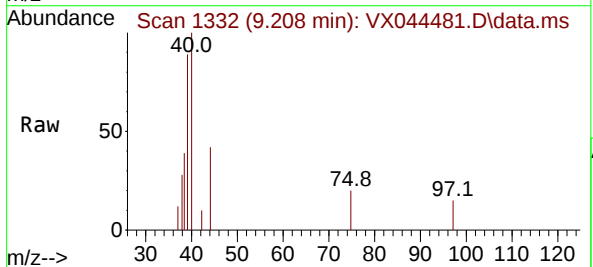
Instrument :
MSVOA_X
ClientSampleId :

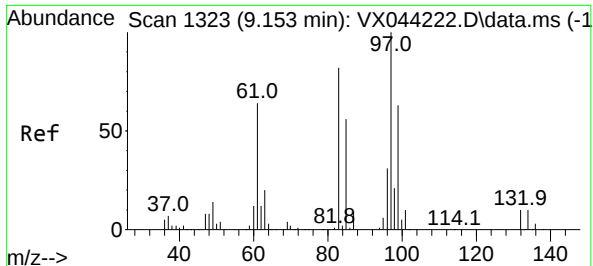
Tgt Ion: 43 Resp: 1359
Ion Ratio Lower Upper
43 100
58 208.1 29.4 44.0#



#53
t-1,3-Dichloropropene
Concen: 1.012 ug/l
RT: 9.208 min Scan# 1332
Delta R.T. 0.231 min
Lab File: VX044481.D
Acq: 23 Dec 2024 15:38

Tgt Ion: 75 Resp: 37
Ion Ratio Lower Upper
75 100
77 0.0 27.2 40.8#





#55

1,1,2-Trichloroethane

Concen: 0.370 ug/l

RT: 9.159 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX044481.D

Acq: 23 Dec 2024 15:38

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 97 Resp: 597

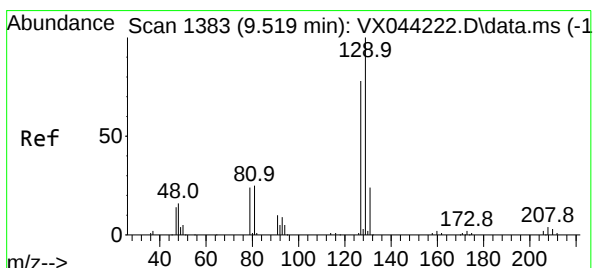
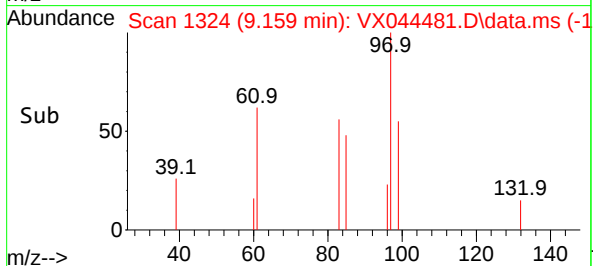
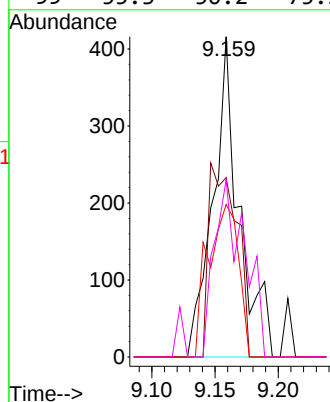
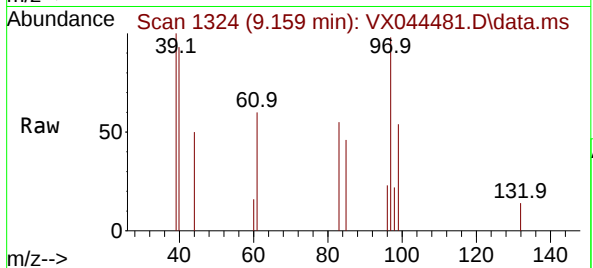
Ion Ratio Lower Upper

97 100

83 56.0 65.3 97.9#

85 47.6 44.6 67.0

99 55.3 50.2 75.2



#60

Dibromochloromethane

Concen: 1.291 ug/l

RT: 9.268 min Scan# 1342

Delta R.T. -0.250 min

Lab File: VX044481.D

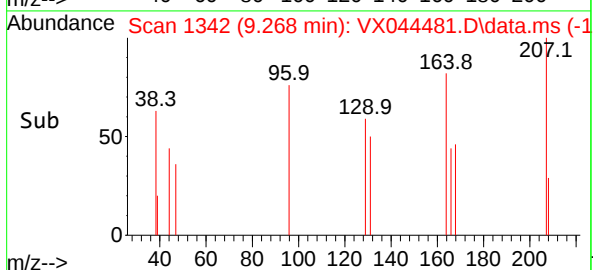
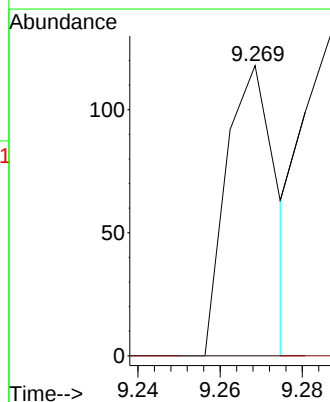
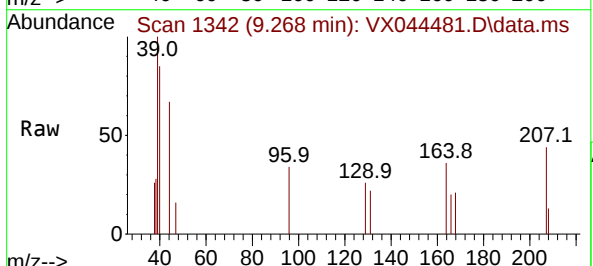
Acq: 23 Dec 2024 15:38

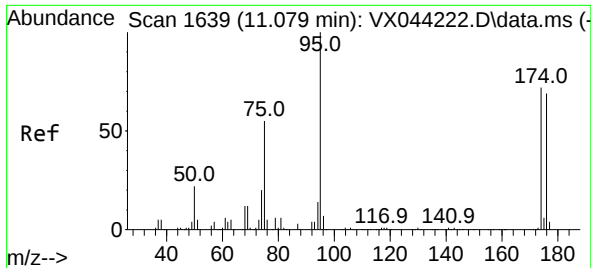
Tgt Ion:129 Resp: 100

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.3#

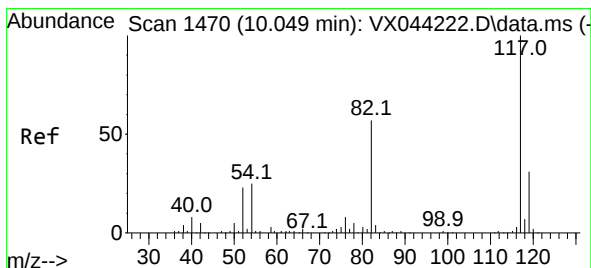
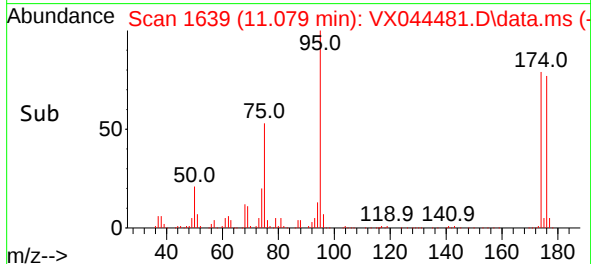
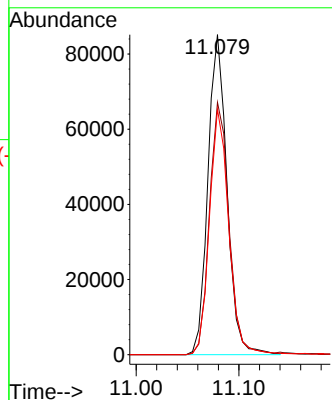
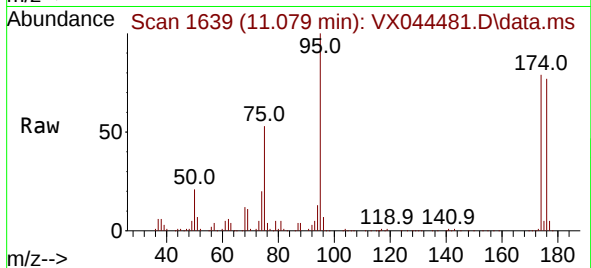




#62
4-Bromofluorobenzene
Concen: 56.707 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044481.D
Acq: 23 Dec 2024 15:38

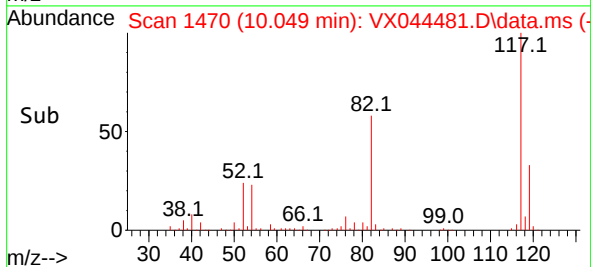
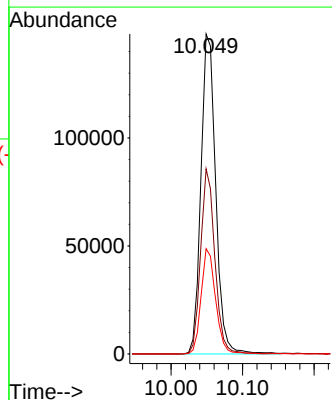
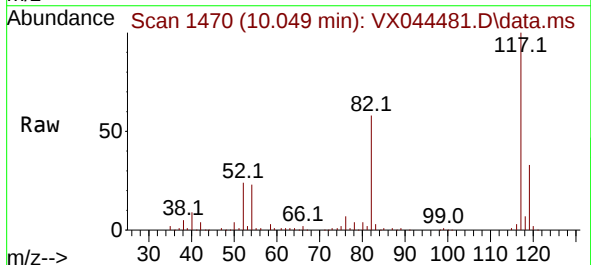
Instrument :
MSVOA_X
ClientSampleId :

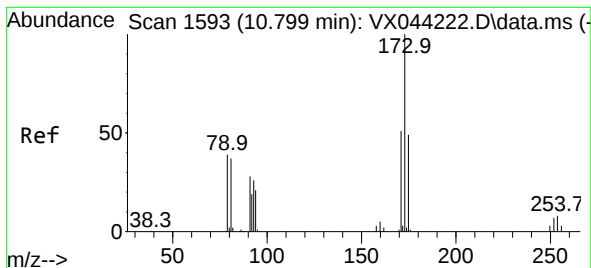
Tgt Ion: 95 Resp: 110042
Ion Ratio Lower Upper
95 100
174 81.8 0.0 145.8
176 78.1 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044481.D
Acq: 23 Dec 2024 15:38

Tgt Ion: 117 Resp: 212650
Ion Ratio Lower Upper
117 100
82 57.8 45.8 68.8
119 32.9 25.0 37.4





#71

Bromoform

Concen: 1.270 ug/l

RT: 10.805 min Scan# 1

Delta R.T. 0.006 min

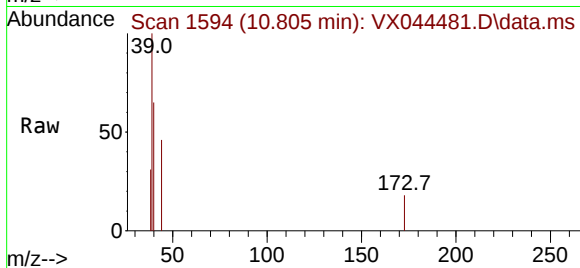
Lab File: VX044481.D

Acq: 23 Dec 2024 15:38

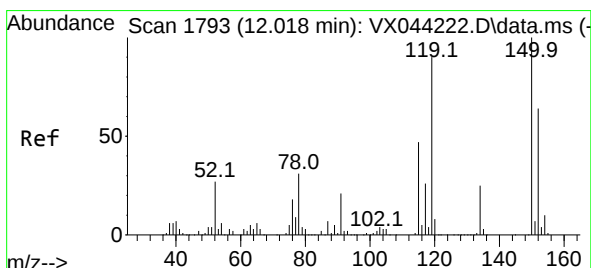
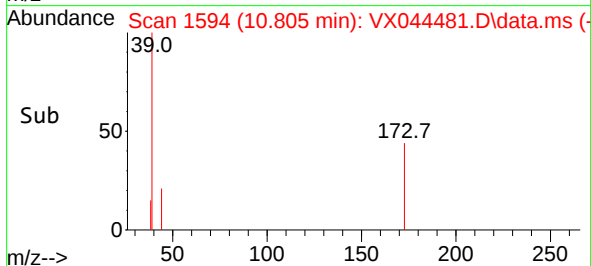
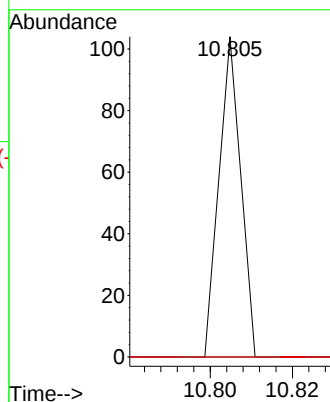
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	173	Resp:	38
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

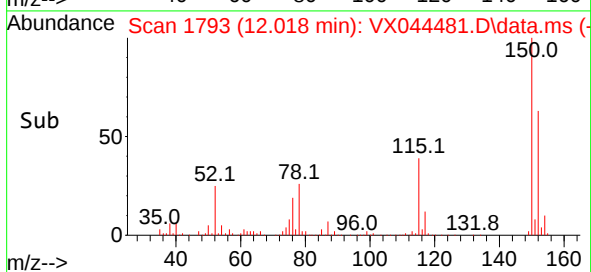
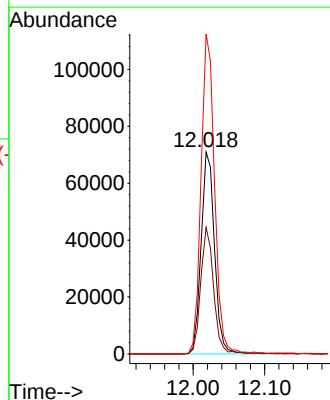
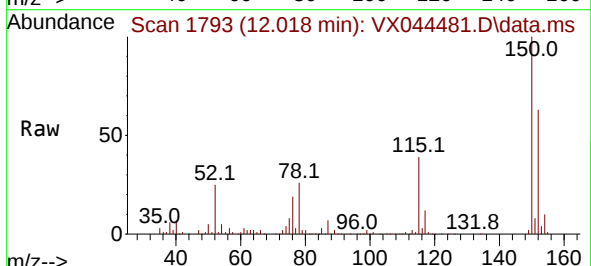
RT: 12.018 min Scan# 1793

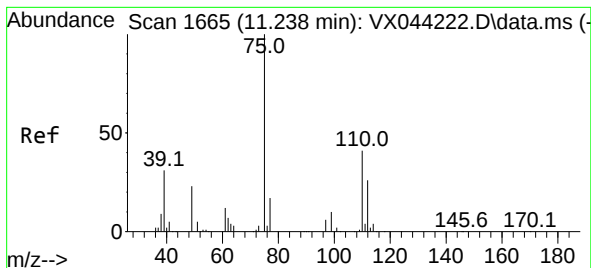
Delta R.T. -0.000 min

Lab File: VX044481.D

Acq: 23 Dec 2024 15:38

Tgt Ion:	152	Resp:	92633
Ion Ratio	Lower	Upper	
152	100		
115	60.5	44.5	133.3
150	159.7	0.0	353.8





#76

1,2,3-Trichloropropane

Concen: 28.821 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX044481.D

Acq: 23 Dec 2024 15:38

Instrument :

MSVOA_X

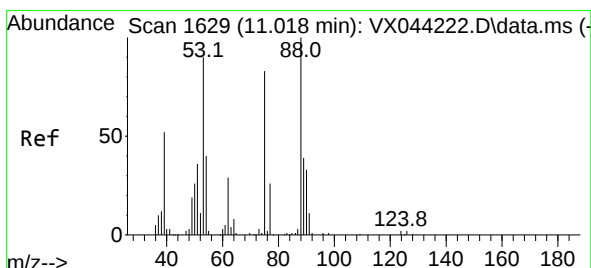
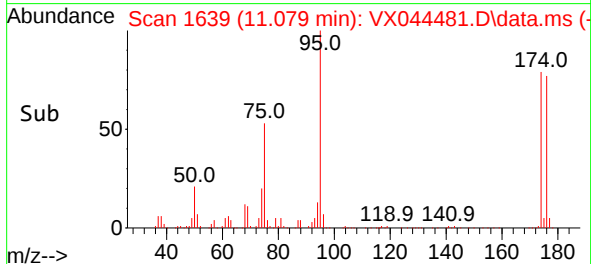
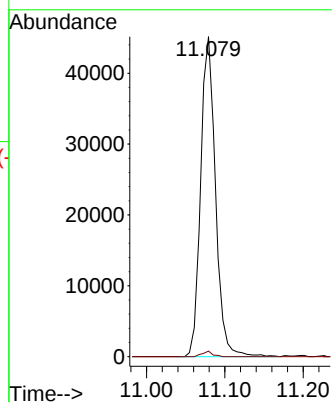
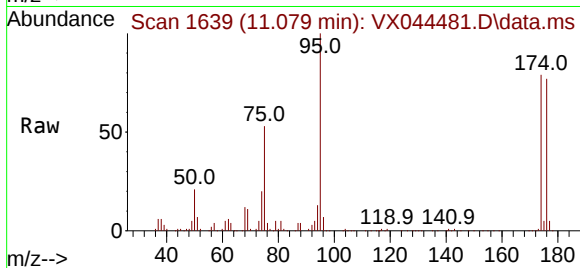
ClientSampleId :

Tgt Ion: 75 Resp: 59610

Ion Ratio Lower Upper

75 100

77 1.2 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.951 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX044481.D

Acq: 23 Dec 2024 15:38

Tgt Ion: 75 Resp: 59610

Ion Ratio Lower Upper

75 100

53 0.0 93.6 140.4#

89 0.0 37.3 55.9#

