

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
 Data File : VX044404.D
 Acq On : 19 Dec 2024 01:24
 Operator : JC/MD
 Sample : P5317-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT191D2-20241216

Quant Time: Dec 19 05:07:54 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

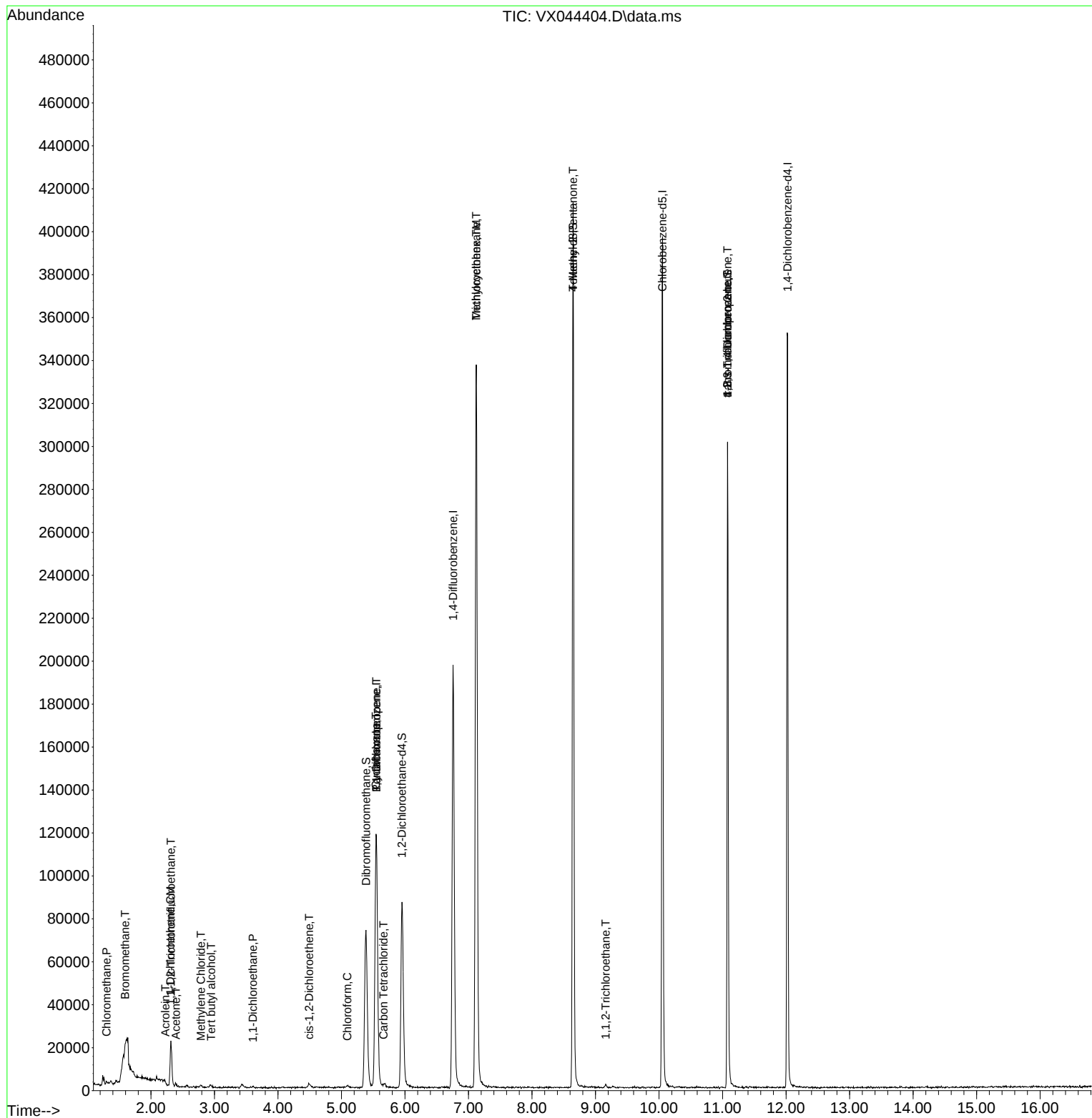
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	108502	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	198842	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177204	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	73178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84577	44.458	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.920%
35) Dibromofluoromethane	5.385	113	65208	47.350	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.700%
50) Toluene-d8	8.647	98	239506	51.549	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.100%
62) 4-Bromofluorobenzene	11.079	95	77874	47.967	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.940%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	1231	0.767	ug/l	96
5) Bromomethane	1.593	94	375	0.316	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.312	101	6377	4.816	ug/l	95
11) Tert butyl alcohol	2.946	59	751	2.801	ug/l #	71
12) 1,1-Dichloroethene	2.306	96	1878	1.544	ug/l #	81
13) Acrolein	2.227	56	106	0.273	ug/l	94
16) Acetone	2.392	43	1191	1.536	ug/l #	80
20) Methylene Chloride	2.788	84	587	0.403	ug/l #	73
24) 1,1-Dichloroethane	3.605	63	794	0.312	ug/l #	82
27) cis-1,2-Dichloroethene	4.489	96	1185	0.722	ug/l	77
30) Chloroform	5.092	83	1305	0.457	ug/l	92
31) Cyclohexane	5.544	56	2940	1.432	ug/l #	36
36) 1,1-Dichloropropene	5.550	75	9813	5.512	ug/l #	49
38) Carbon Tetrachloride	5.659	117	1167	0.609	ug/l #	89
39) Methylcyclohexane	7.123	83	1636	0.769	ug/l #	1
44) Trichloroethene	7.123	130	129798	96.301	ug/l	99
51) 4-Methyl-2-Pentanone	8.647	43	1258	0.569	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	462	0.343	ug/l #	78
76) 1,2,3-Trichloropropane	11.079	75	42825	26.210	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	42825	72.305	ug/l #	4

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

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Quant Title : SW846 8260
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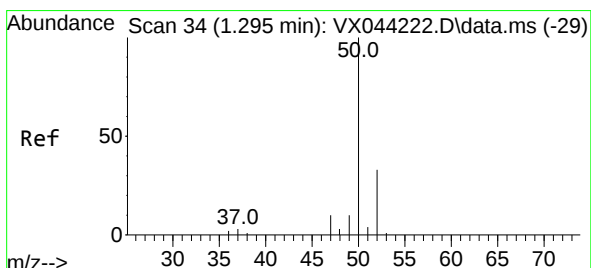
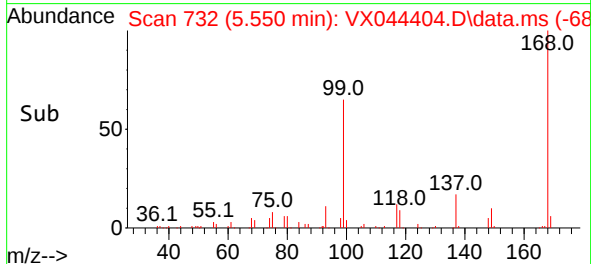
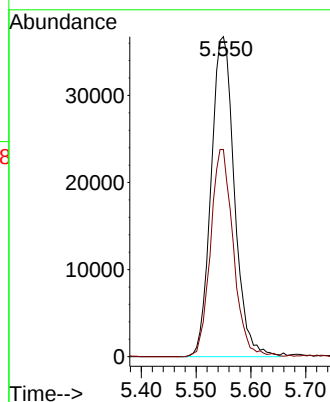
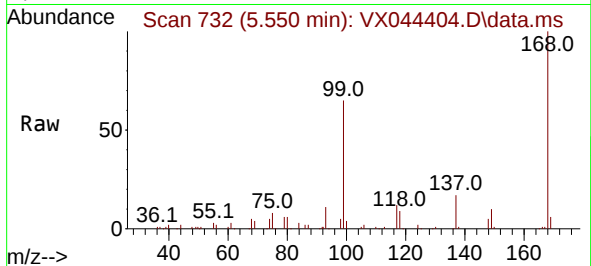




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

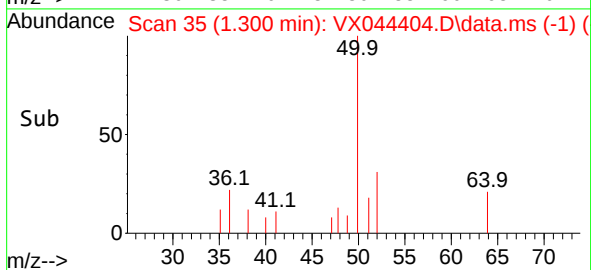
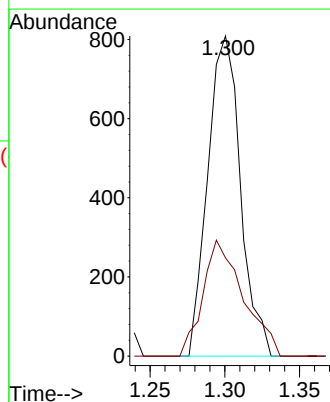
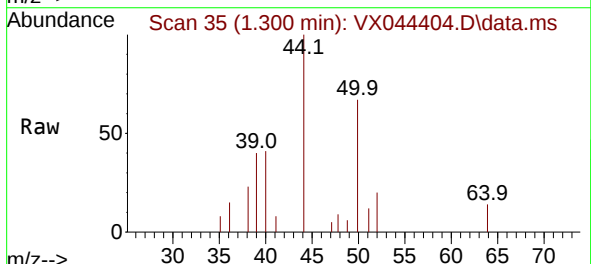
Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20241216

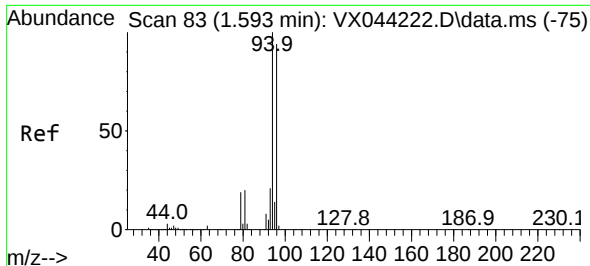
Tgt Ion:168 Resp: 108502
Ion Ratio Lower Upper
168 100
99 64.8 53.4 80.0



#3
Chloromethane
Concen: 0.767 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

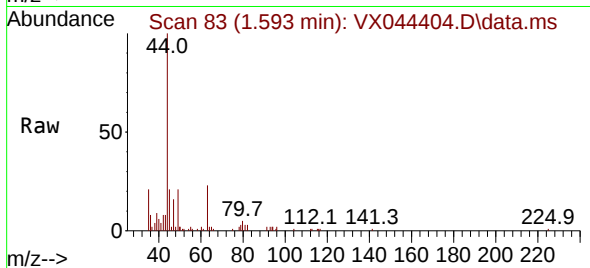
Tgt Ion: 50 Resp: 1231
Ion Ratio Lower Upper
50 100
52 30.7 26.5 39.7



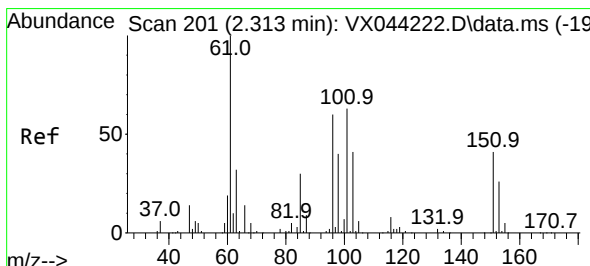
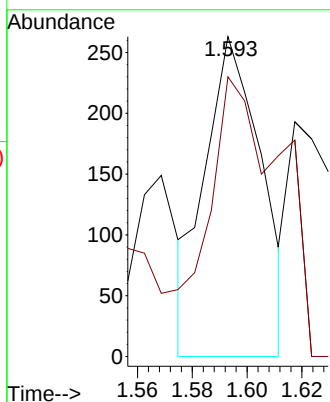
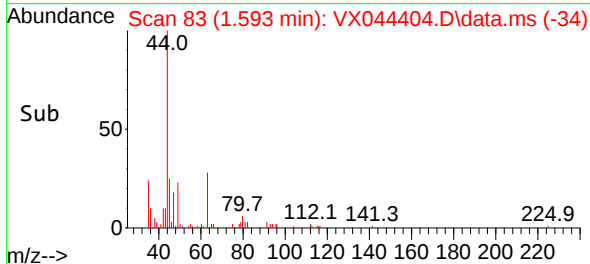


#5
Bromomethane
Concen: 0.316 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20241216

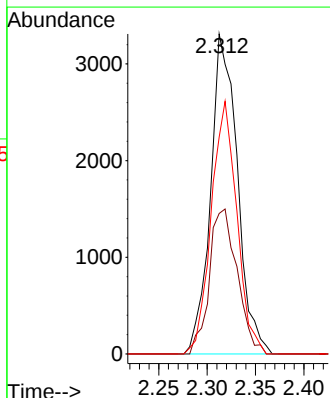
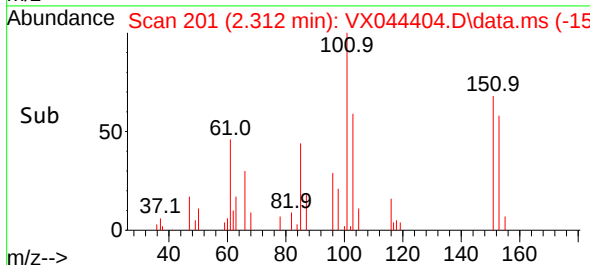
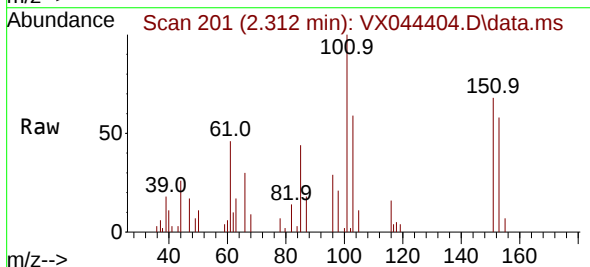


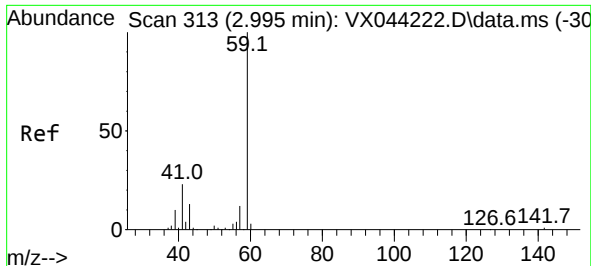
Tgt Ion: 94 Resp: 375
Ion Ratio Lower Upper
94 100
96 101.2 74.9 112.3



#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.816 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

Tgt Ion: 101 Resp: 6377
Ion Ratio Lower Upper
101 100
85 47.2 38.5 57.7
151 75.6 55.8 83.6

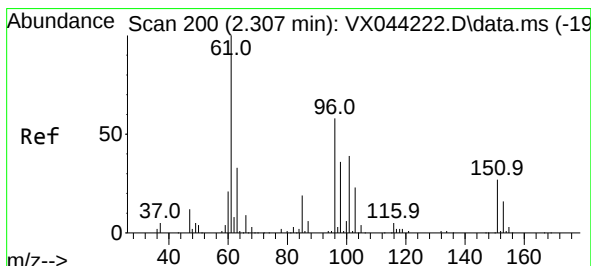
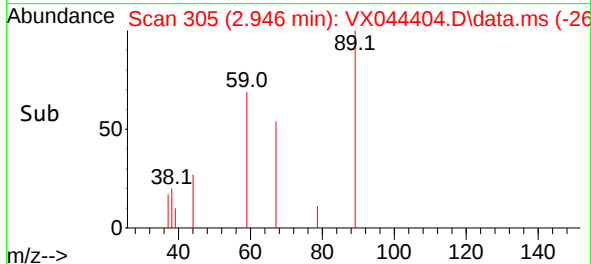
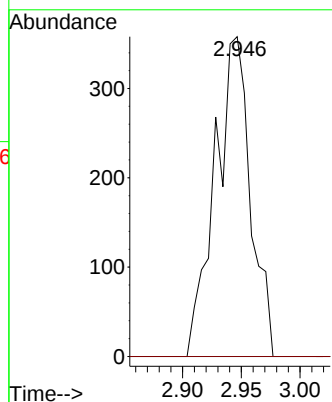
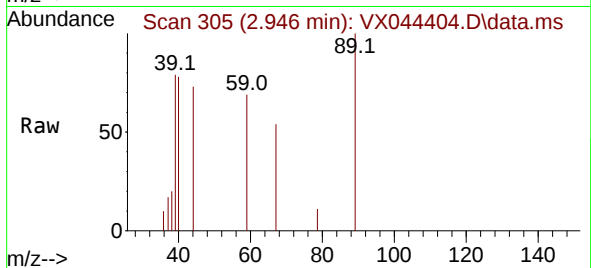




#11
Tert butyl alcohol
Concen: 2.801 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

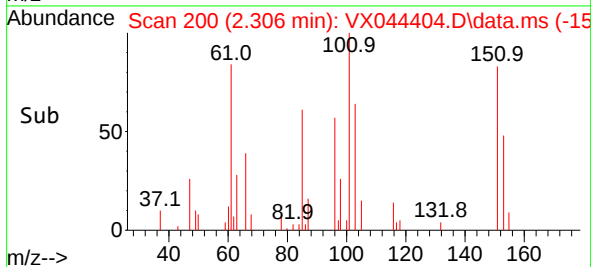
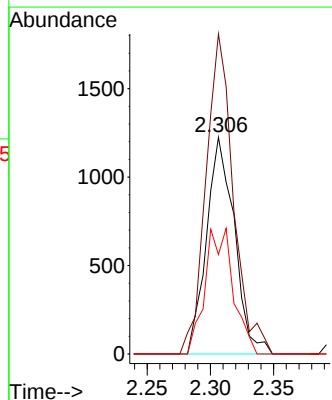
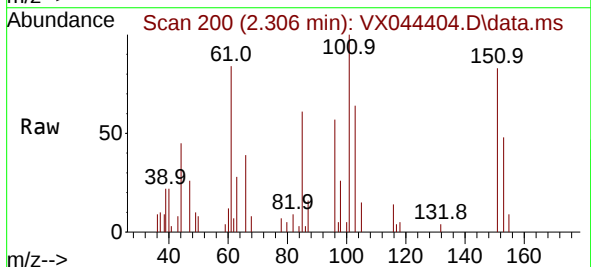
Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20241216

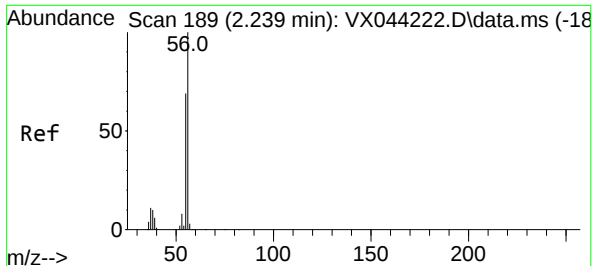
Tgt Ion: 59 Resp: 751
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 1.544 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

Tgt Ion: 96 Resp: 1878
Ion Ratio Lower Upper
96 100
61 147.7 138.0 207.0
98 45.9 50.0 75.0#





#13

Acrolein

Concen: 0.273 ug/l

RT: 2.227 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX044404.D

Acq: 19 Dec 2024 01:24

Instrument :

MSVOA_X

ClientSampleId :

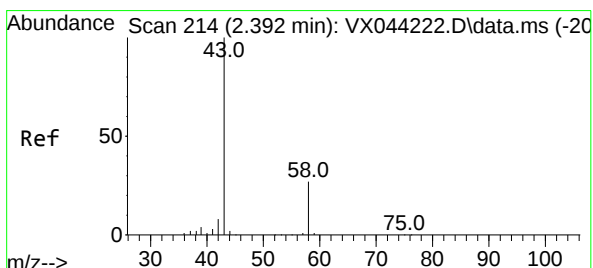
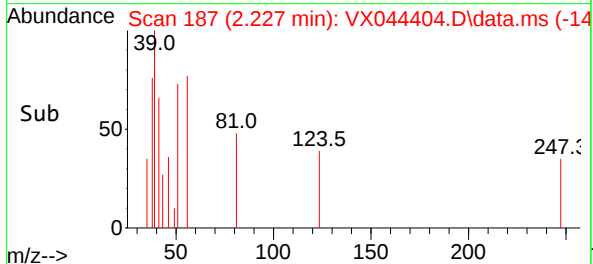
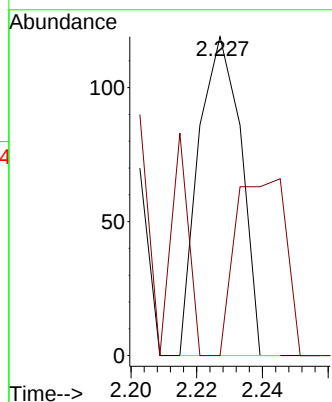
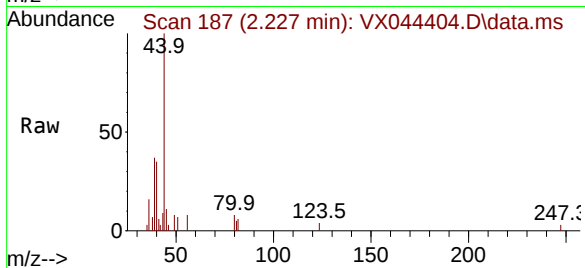
TT191D2-20241216

Tgt Ion: 56 Resp: 106

Ion Ratio Lower Upper

56 100

55 66.0 56.6 84.8



#16

Acetone

Concen: 1.536 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX044404.D

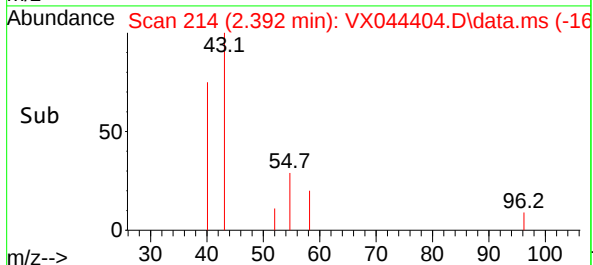
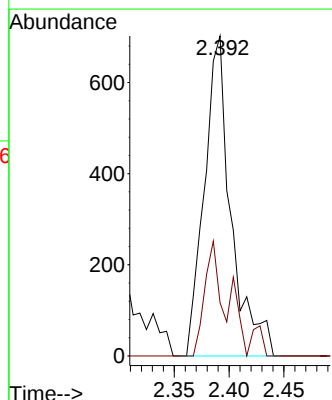
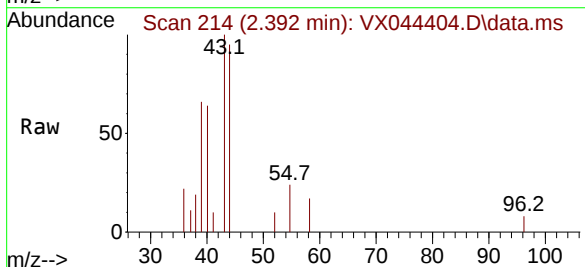
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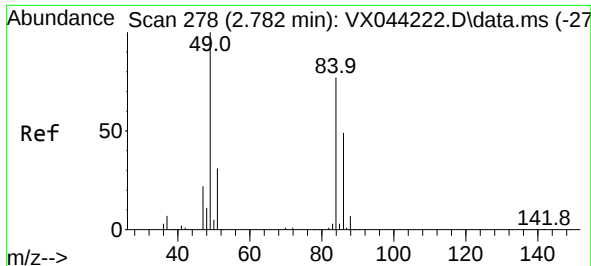
Tgt Ion: 43 Resp: 1191

Ion Ratio Lower Upper

43 100

58 16.7 21.6 32.4#

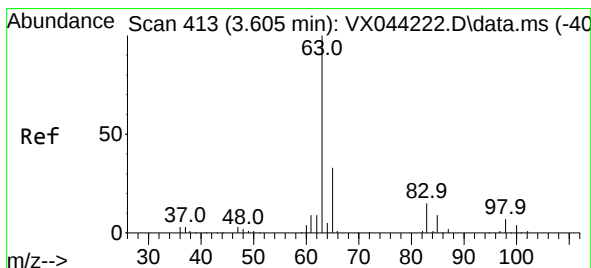
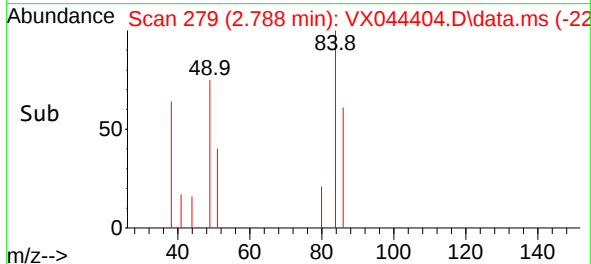
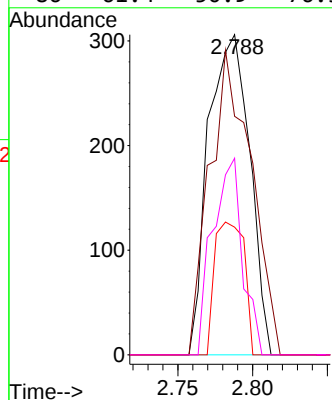
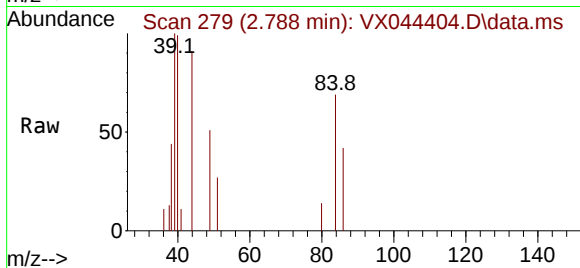




#20
Methylene Chloride
Concen: 0.403 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

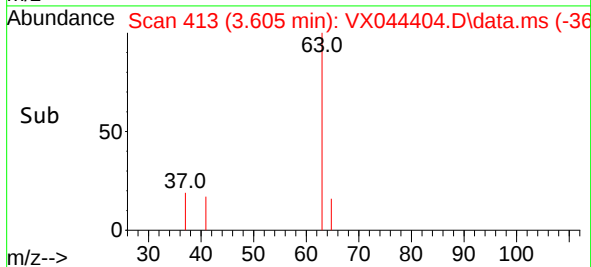
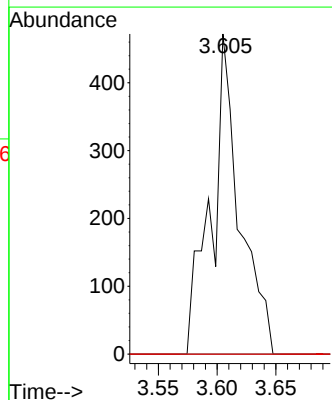
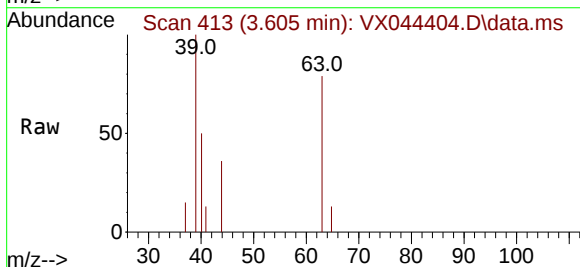
Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20241216

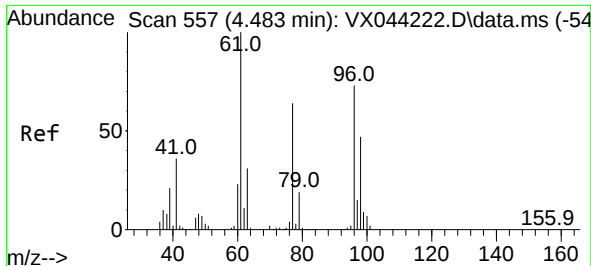
Tgt Ion:	84	Resp:	587
Ion	Ratio	Lower	Upper
84	100		
49	74.5	104.2	156.4#
51	39.9	32.2	48.4
86	61.4	50.9	76.3



#24
1,1-Dichloroethane
Concen: 0.312 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

Tgt Ion:	63	Resp:	794
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.6	10.8#
100	0.0	2.1	6.3#





#27

cis-1,2-Dichloroethene

Concen: 0.722 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX044404.D

Acq: 19 Dec 2024 01:24

Instrument :

MSVOA_X

ClientSampleId :

TT191D2-20241216

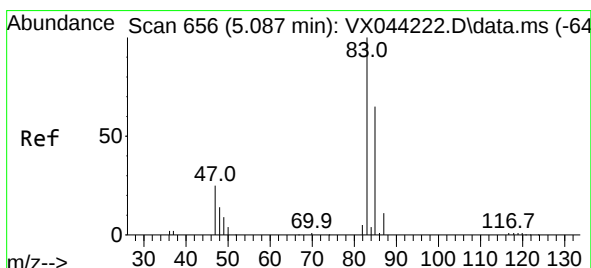
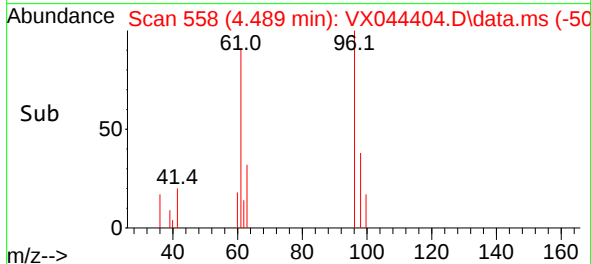
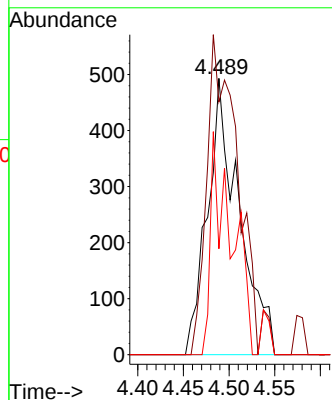
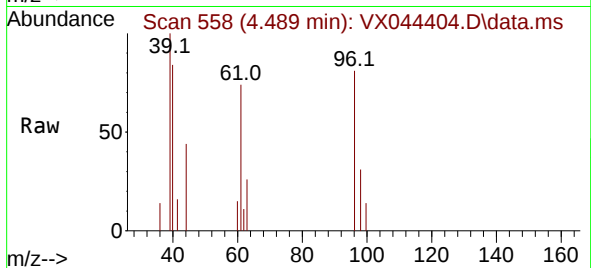
Tgt Ion: 96 Resp: 1185

Ion Ratio Lower Upper

96 100

61 115.4 0.0 299.0

98 53.8 0.0 129.0



#30

Chloroform

Concen: 0.457 ug/l

RT: 5.092 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX044404.D

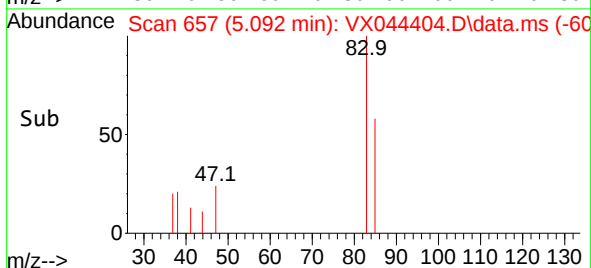
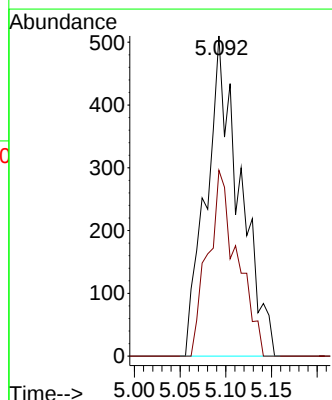
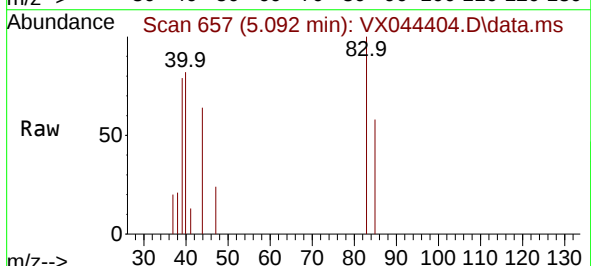
Acq: 19 Dec 2024 01:24

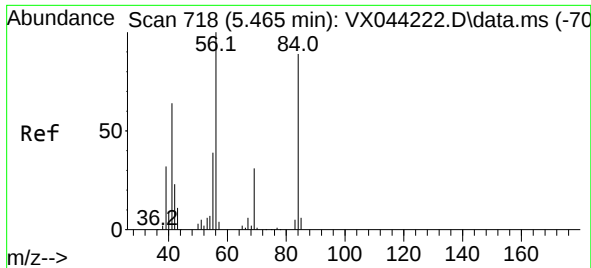
Tgt Ion: 83 Resp: 1305

Ion Ratio Lower Upper

83 100

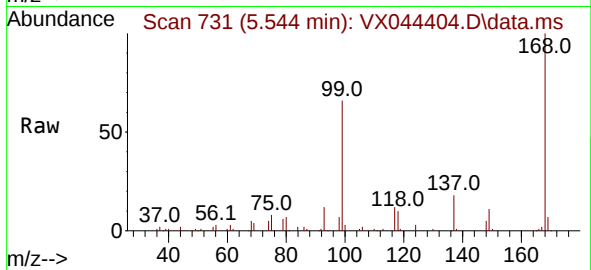
85 58.0 51.6 77.4



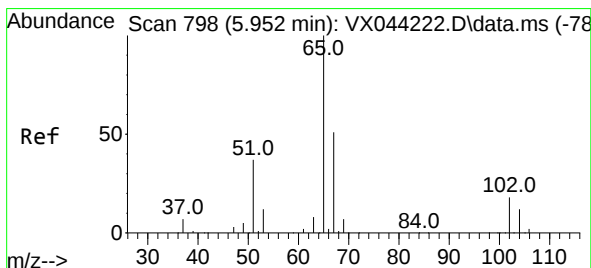
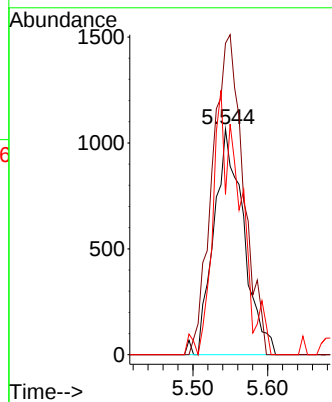
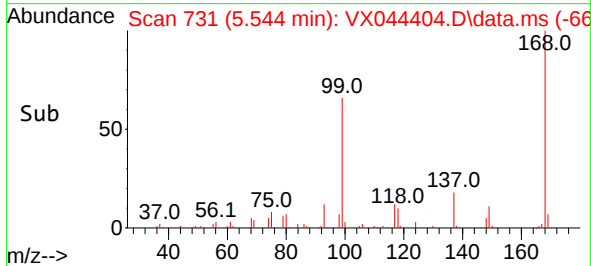


#31
Cyclohexane
Concen: 1.432 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20241216

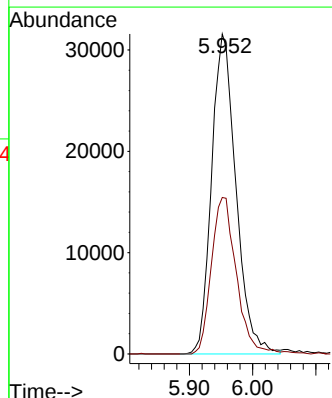
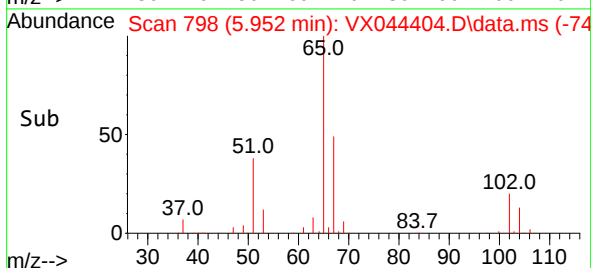
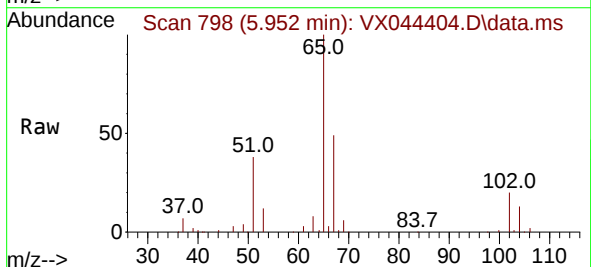


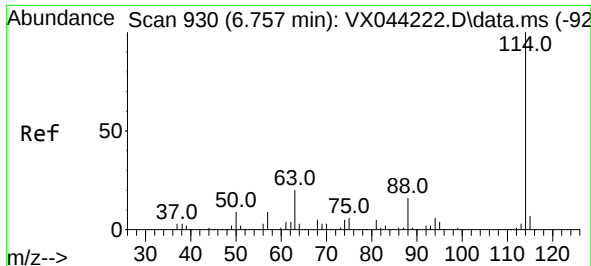
Tgt Ion: 56 Resp: 2940
Ion Ratio Lower Upper
56 100
69 138.0 24.7 37.1#
84 71.1 71.0 106.6



#33
1,2-Dichloroethane-d4
Concen: 44.458 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

Tgt Ion: 65 Resp: 84577
Ion Ratio Lower Upper
65 100
67 50.2 0.0 101.6

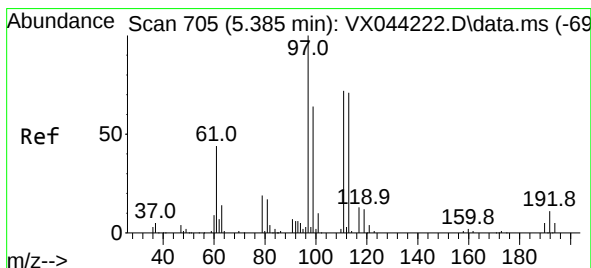
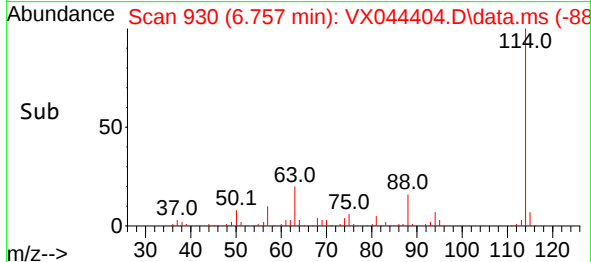
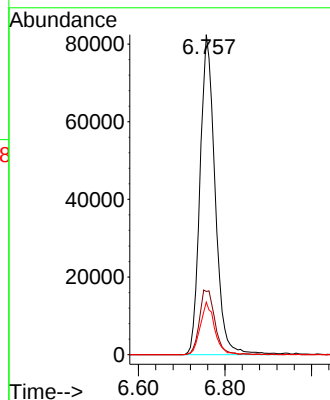
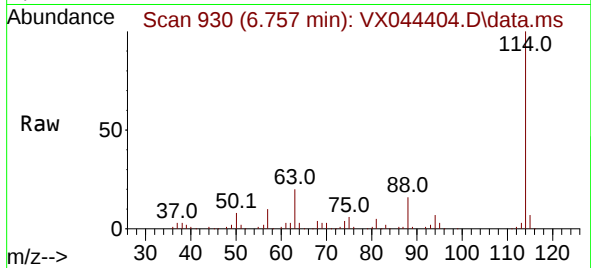




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

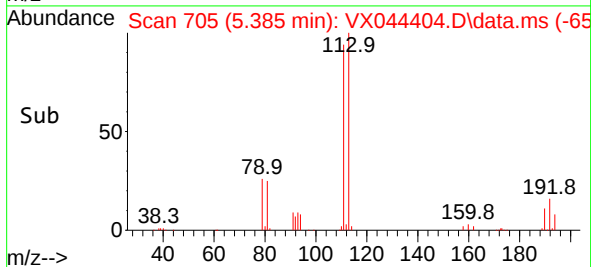
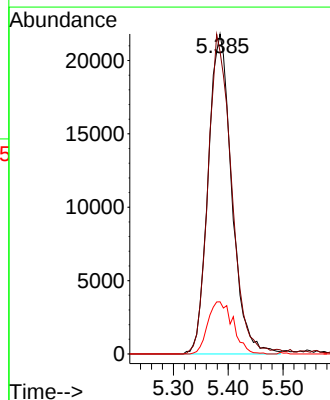
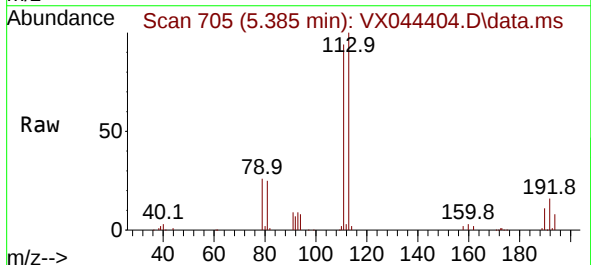
Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20241216

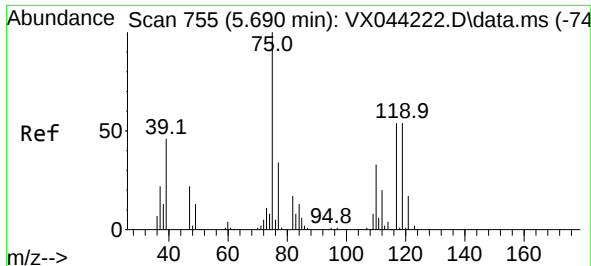
Tgt Ion:114 Resp: 198842
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.6
88 16.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.350 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

Tgt Ion:113 Resp: 65208
Ion Ratio Lower Upper
113 100
111 99.5 80.4 120.6
192 17.4 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.512 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX044404.D

Acq: 19 Dec 2024 01:24

Instrument :

MSVOA_X

ClientSampleId :

TT191D2-20241216

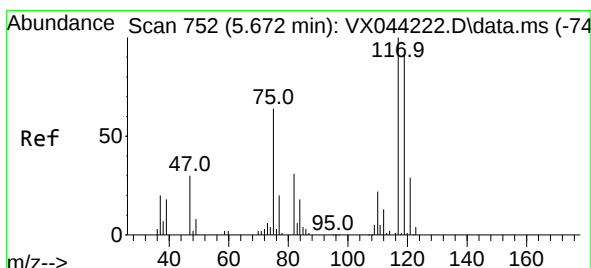
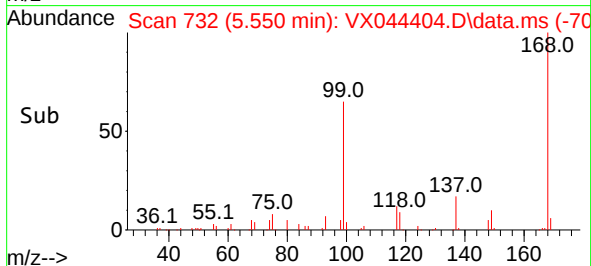
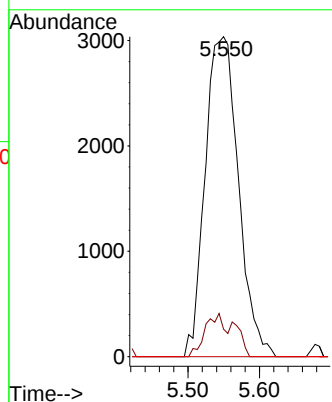
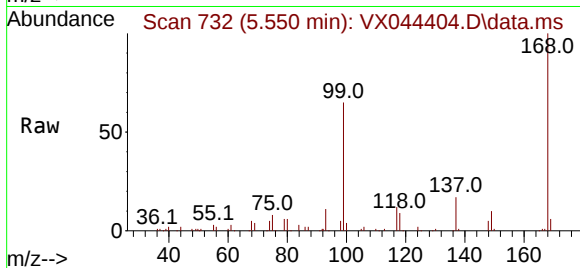
Tgt Ion: 75 Resp: 9813

Ion Ratio Lower Upper

75 100

110 8.1 17.3 51.7#

77 0.0 25.4 38.0#



#38

Carbon Tetrachloride

Concen: 0.609 ug/l

RT: 5.659 min Scan# 750

Delta R.T. -0.012 min

Lab File: VX044404.D

Acq: 19 Dec 2024 01:24

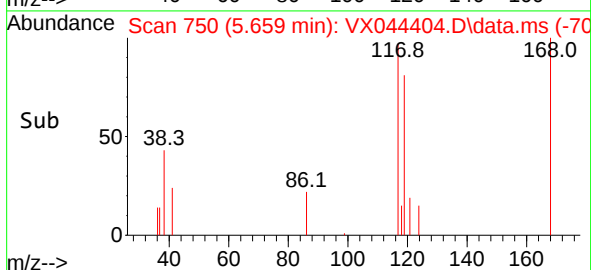
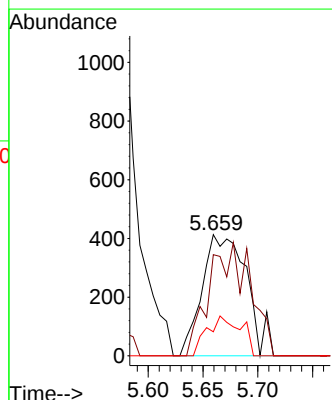
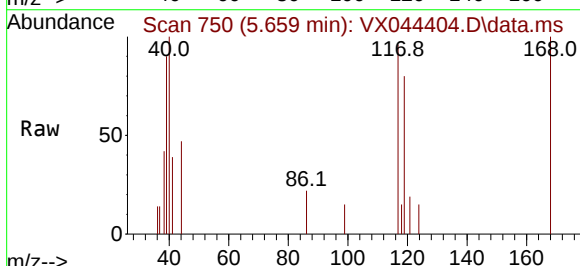
Tgt Ion: 117 Resp: 1167

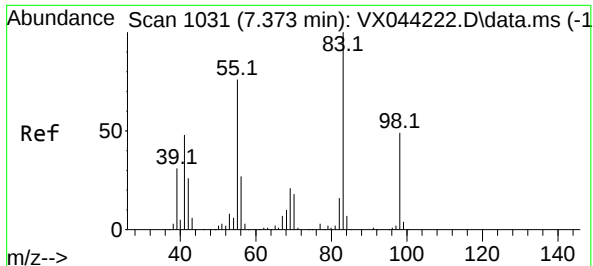
Ion Ratio Lower Upper

117 100

119 83.5 74.2 111.4

121 19.9 23.0 34.6#





#39

Methylcyclohexane

Concen: 0.769 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.250 min

Lab File: VX044404.D

Acq: 19 Dec 2024 01:24

Instrument :

MSVOA_X

ClientSampleId :

TT191D2-20241216

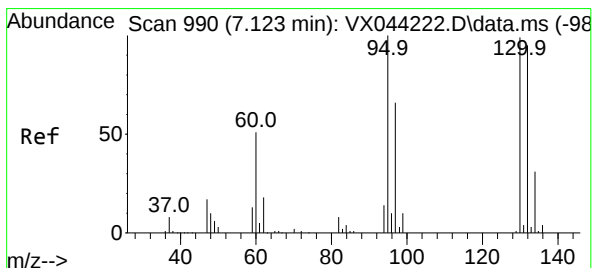
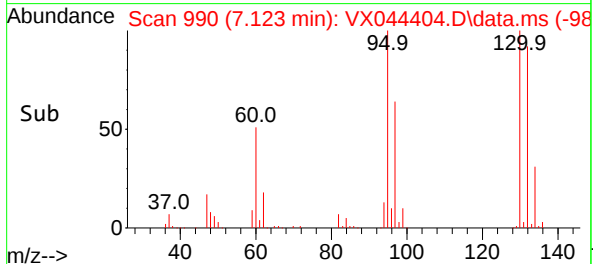
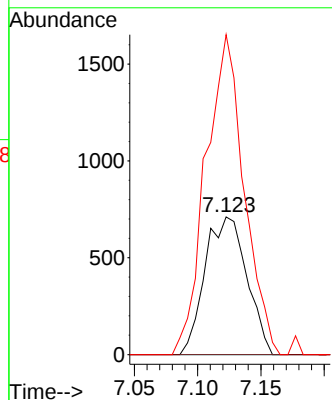
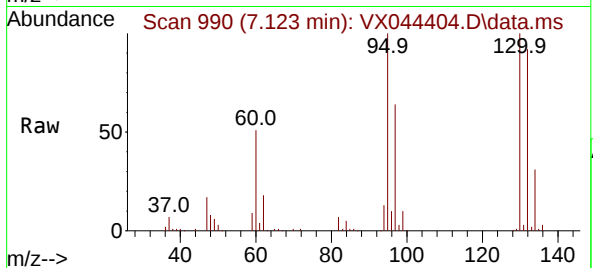
Tgt Ion: 83 Resp: 1636

Ion Ratio Lower Upper

83 100

55 0.0 60.7 91.1#

98 232.3 38.9 58.3#



#44

Trichloroethene

Concen: 96.301 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX044404.D

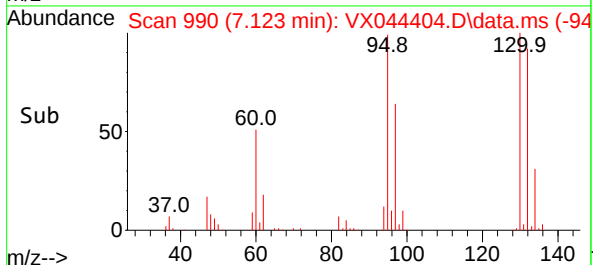
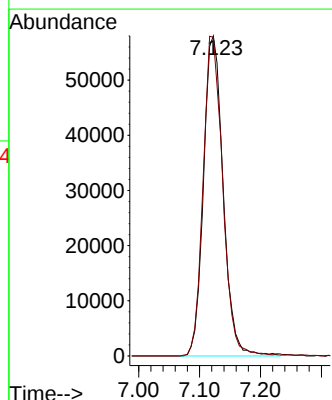
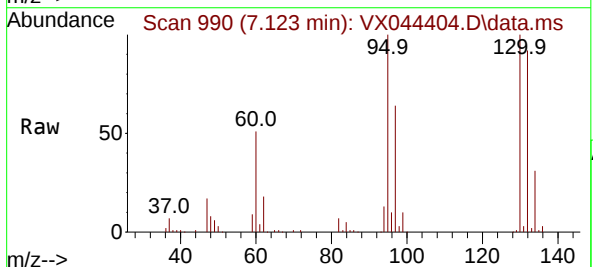
Acq: 19 Dec 2024 01:24

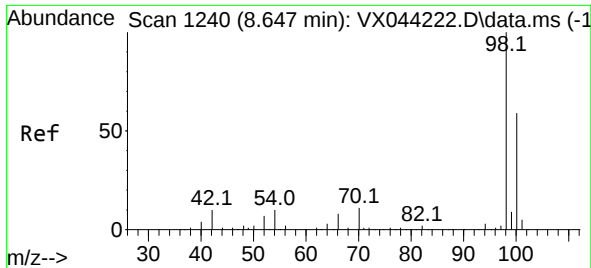
Tgt Ion:130 Resp: 129798

Ion Ratio Lower Upper

130 100

95 99.6 0.0 201.4

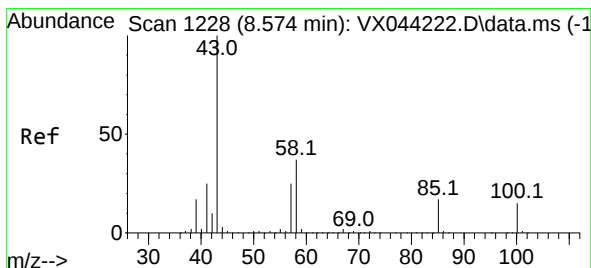
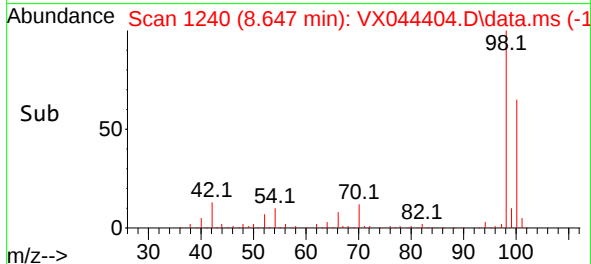
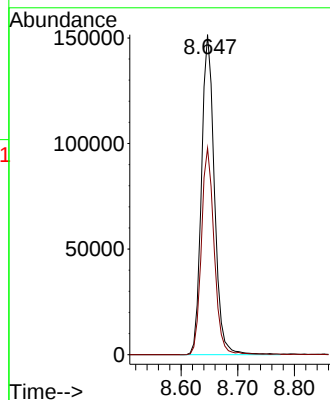
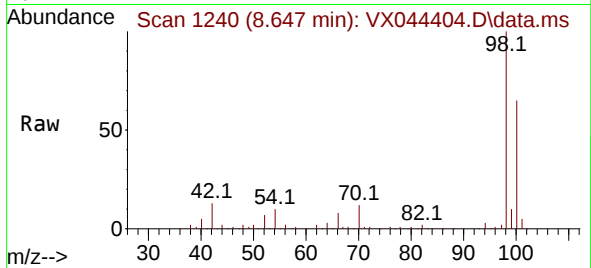




#50
Toluene-d8
Concen: 51.549 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

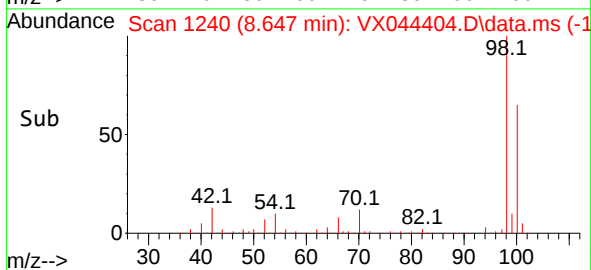
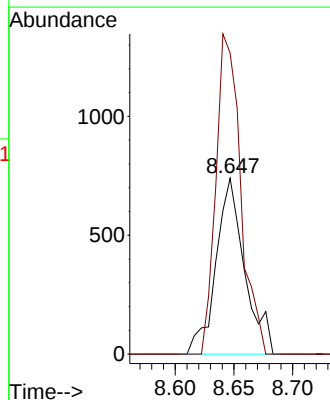
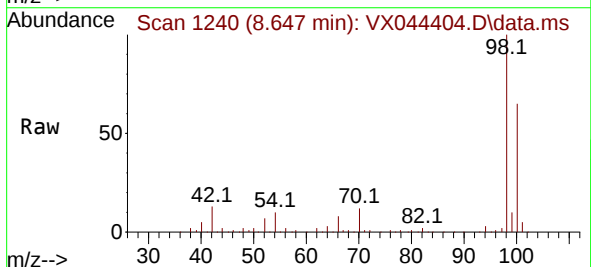
Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20241216

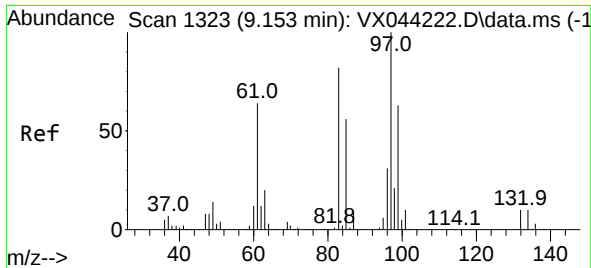
Tgt Ion: 98 Resp: 239506
Ion Ratio Lower Upper
98 100
100 63.8 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.569 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

Tgt Ion: 43 Resp: 1258
Ion Ratio Lower Upper
43 100
58 156.6 29.4 44.0#

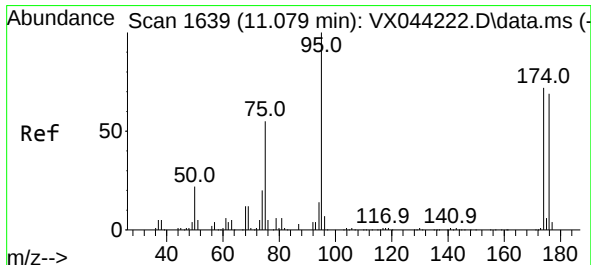
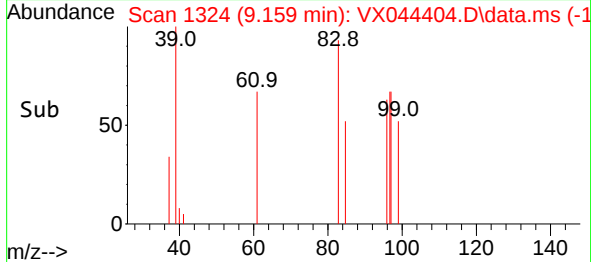
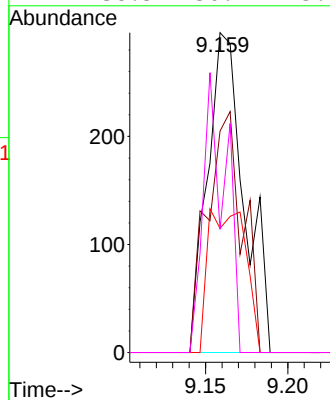
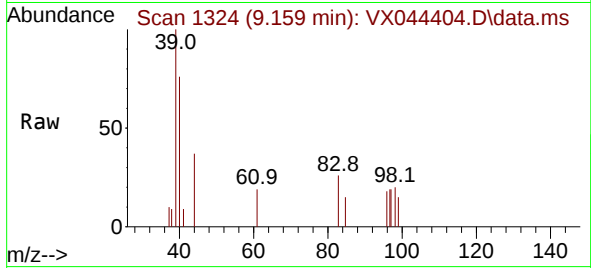




#55
1,1,2-Trichloroethane
Concen: 0.343 ug/l
RT: 9.159 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

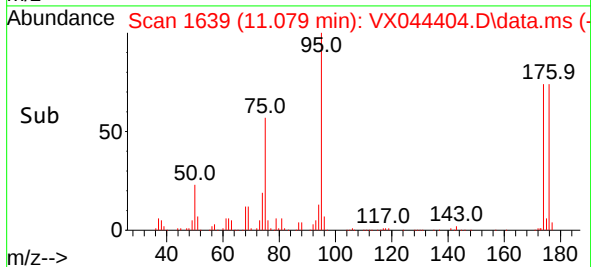
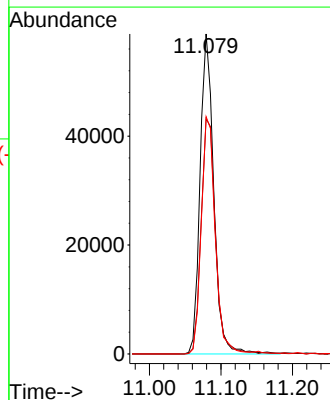
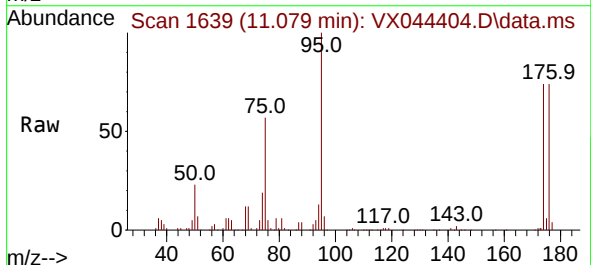
Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20241216

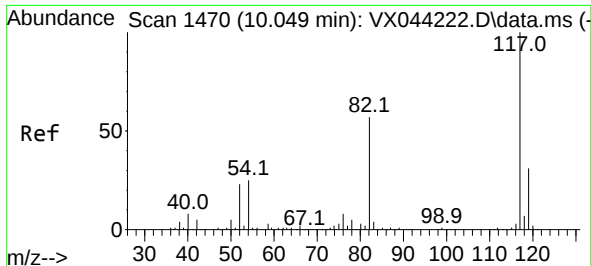
Tgt Ion: 97	Resp: 462
Ion Ratio	Lower Upper
97 100	
83 69.3	65.3 97.9
85 38.9	44.6 67.0#
99 38.5	50.2 75.2#



#62
4-Bromofluorobenzene
Concen: 47.967 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

Tgt Ion: 95	Resp: 77874
Ion Ratio	Lower Upper
95 100	
174 77.9	0.0 145.8
176 75.5	0.0 137.8

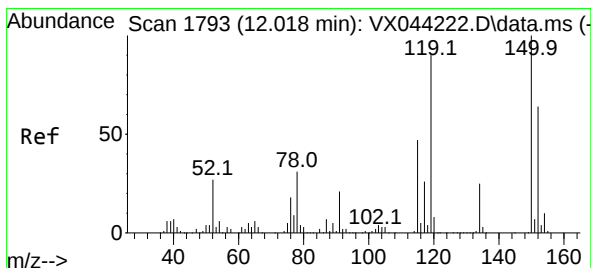
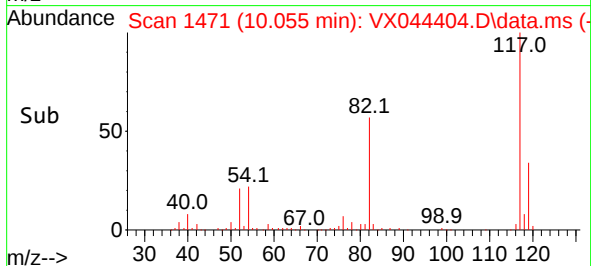
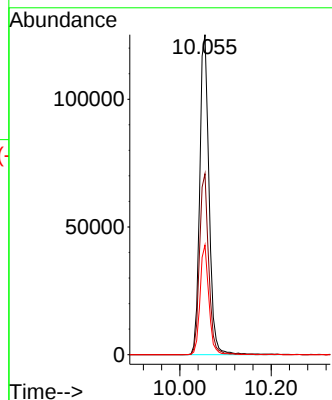
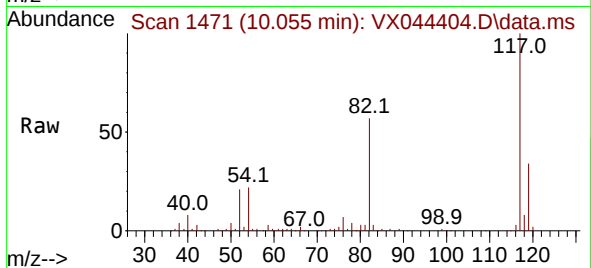




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

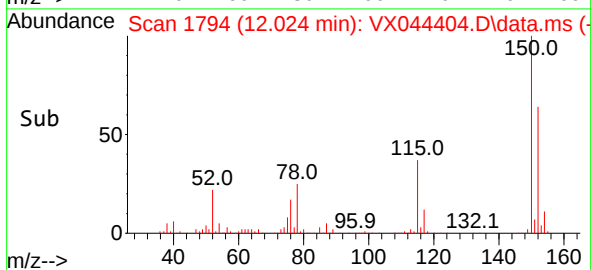
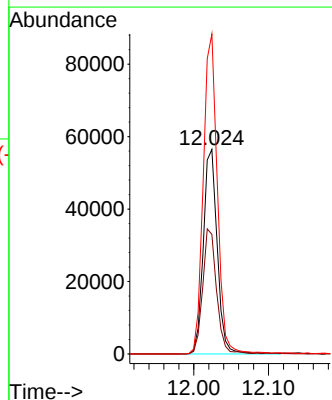
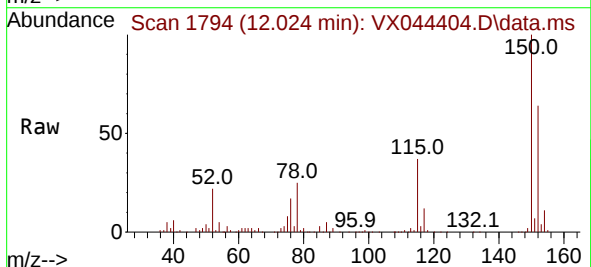
Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20241216

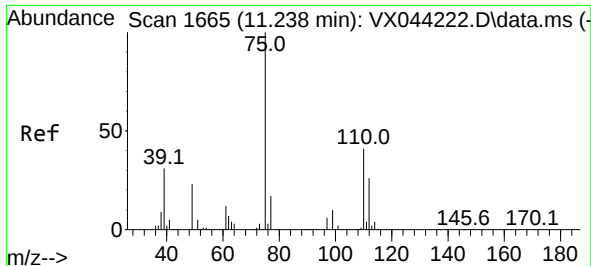
Tgt Ion:117 Resp: 177204
Ion Ratio Lower Upper
117 100
82 56.5 45.8 68.8
119 34.3 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

Tgt Ion:152 Resp: 73178
Ion Ratio Lower Upper
152 100
115 60.8 44.5 133.3
150 157.3 0.0 353.8

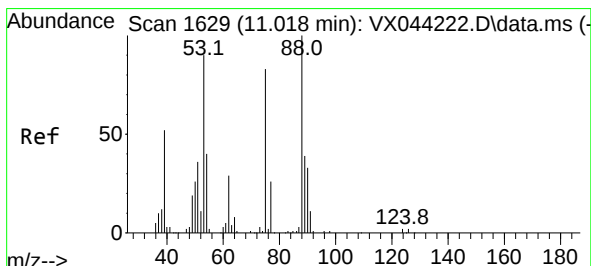
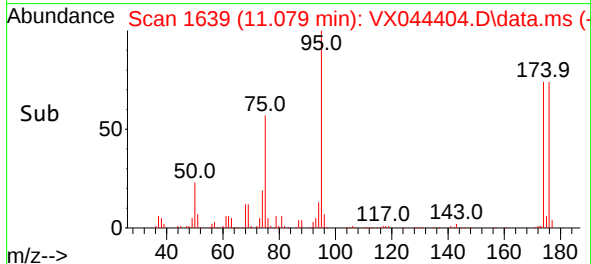
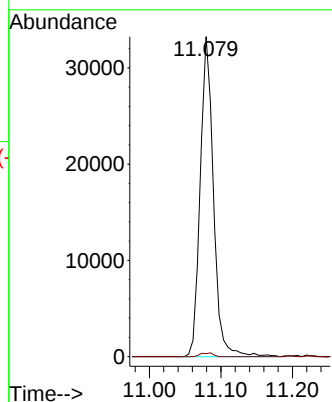
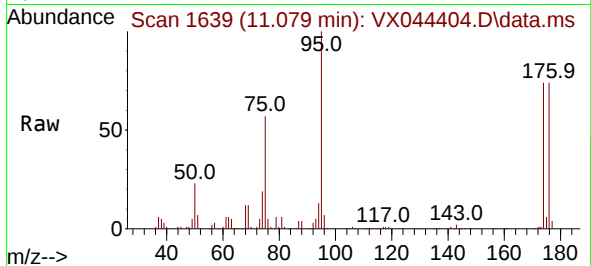




#76
1,2,3-Trichloropropane
Concen: 26.210 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

Instrument :
MSVOA_X
ClientSampleId :
TT191D2-20241216

Tgt Ion: 75 Resp: 42825
Ion Ratio Lower Upper
75 100
77 1.1 20.9 62.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.305 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044404.D
Acq: 19 Dec 2024 01:24

Tgt Ion: 75 Resp: 42825
Ion Ratio Lower Upper
75 100
53 0.0 93.6 140.4#
89 0.0 37.3 55.9#

