

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
 Data File : VX044455.D
 Acq On : 20 Dec 2024 16:19
 Operator : JC/MD
 Sample : P5281-06DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 22:27:25 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)

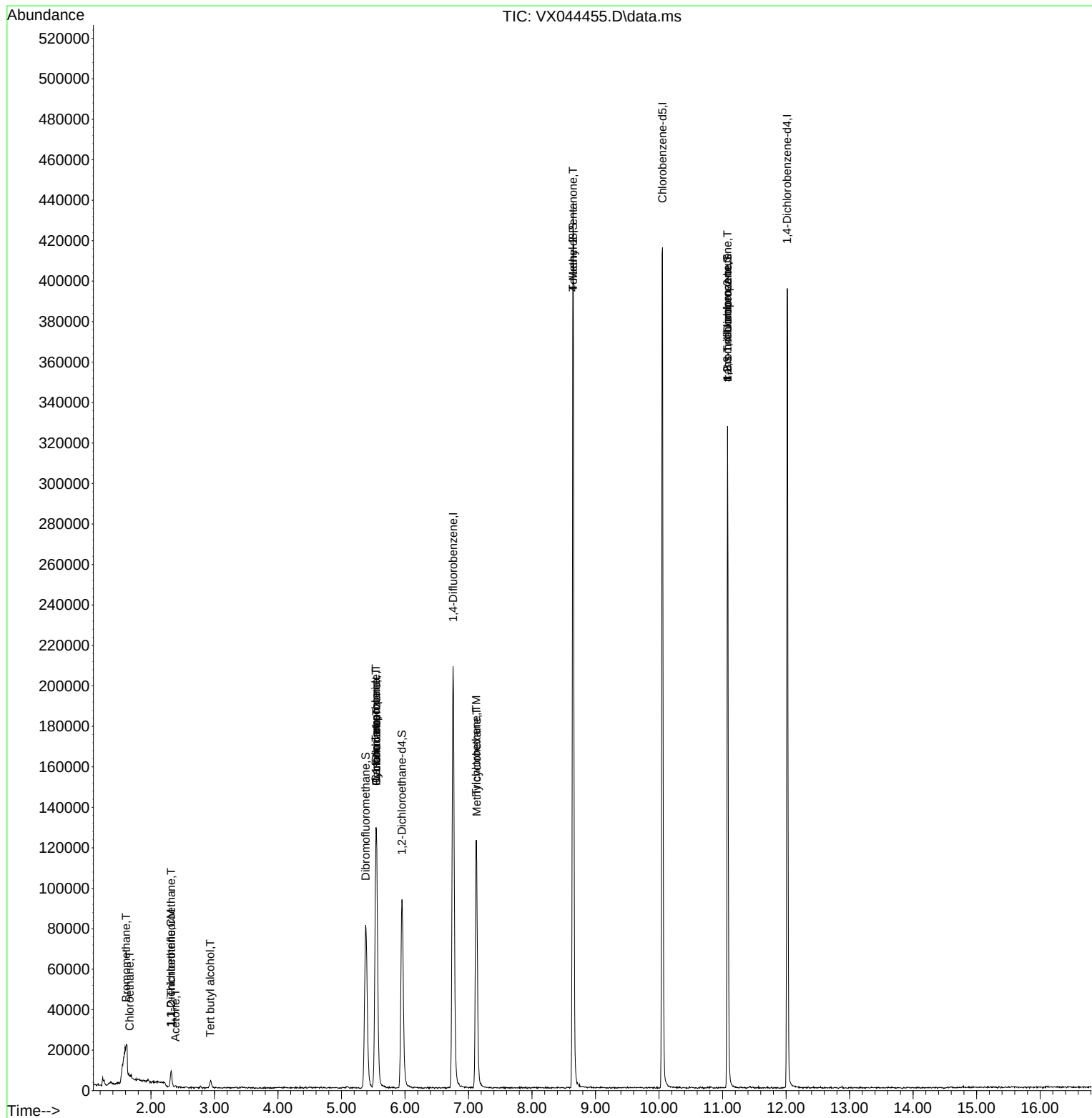
Internal Standards						
1) Pentafluorobenzene	5.550	168	121258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	216230	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	191670	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	80370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	90673	42.649	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.300%		
35) Dibromofluoromethane	5.379	113	69035	46.097	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.200%		
50) Toluene-d8	8.647	98	254320	50.336	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.680%		
62) 4-Bromofluorobenzene	11.079	95	80586	45.646	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	91.300%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	497	0.375	ug/l #	76
6) Chloroethane	1.666	64	322	0.277	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	2.319	101	2415	1.632	ug/l	98
11) Tert butyl alcohol	2.934	59	1760	5.874	ug/l #	71
12) 1,1-Dichloroethene	2.313	96	809	0.595	ug/l	96
16) Acetone	2.386	43	348	0.401	ug/l	97
31) Cyclohexane	5.550	56	2752	1.199	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	10203	5.271	ug/l #	51
38) Carbon Tetrachloride	5.544	117	12794	6.139	ug/l #	18
39) Methylcyclohexane	7.129	83	595	0.257	ug/l #	16
44) Trichloroethene	7.123	130	49142	33.528	ug/l	95
51) 4-Methyl-2-Pentanone	8.647	43	1311	0.545	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	45019	25.088	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	45019	69.447	ug/l #	4

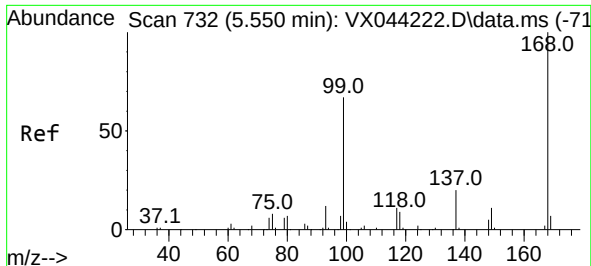
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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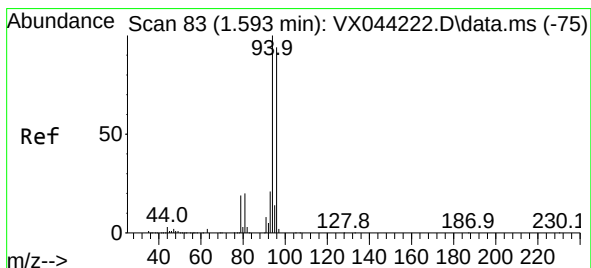
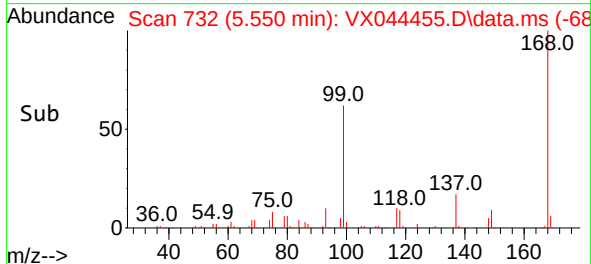
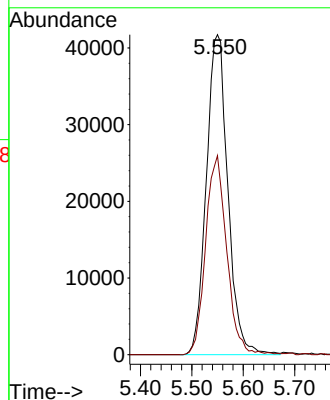
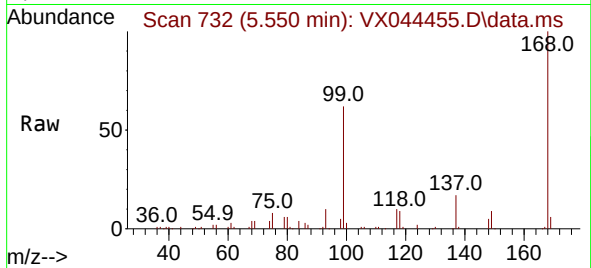




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044455.D
Acq: 20 Dec 2024 16:19

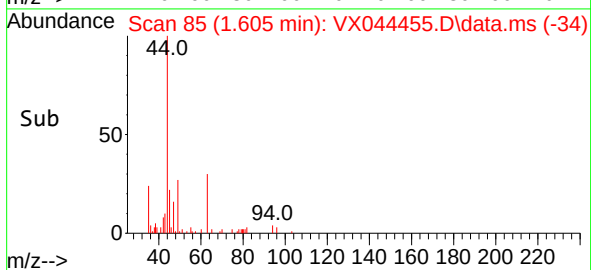
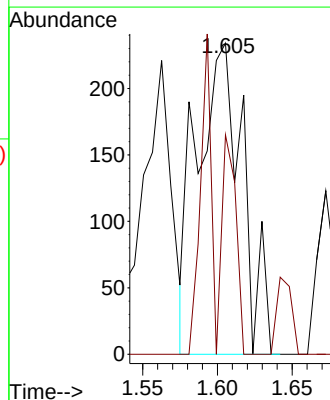
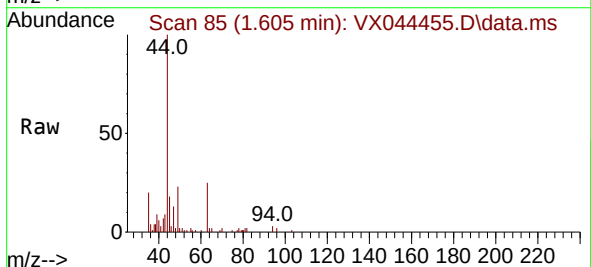
Instrument :
MSVOA_X
ClientSampleId :

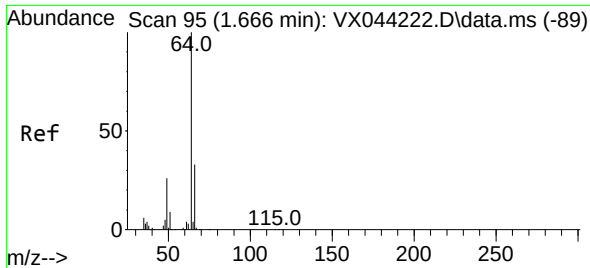
Tgt Ion:168 Resp: 121258
Ion Ratio Lower Upper
168 100
99 62.2 53.4 80.0



#5
Bromomethane
Concen: 0.375 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX044455.D
Acq: 20 Dec 2024 16:19

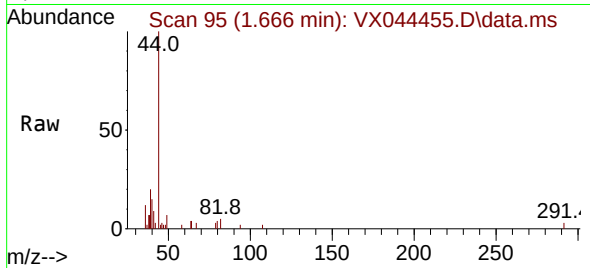
Tgt Ion: 94 Resp: 497
Ion Ratio Lower Upper
94 100
96 70.5 74.9 112.3#



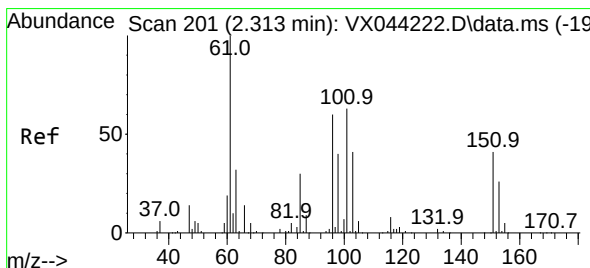
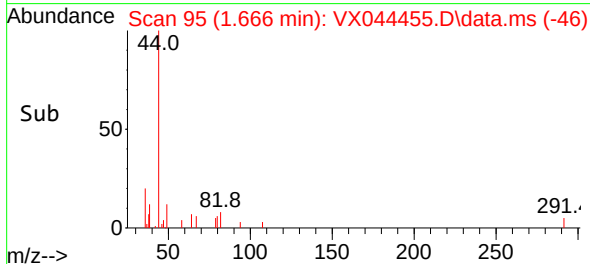
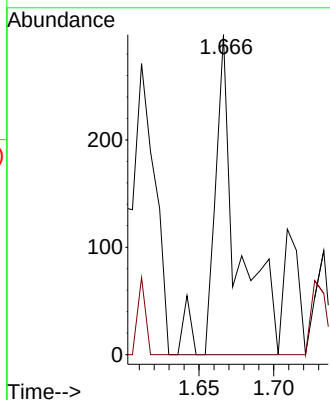


#6
Chloroethane
Concen: 0.277 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX044455.D
Acq: 20 Dec 2024 16:19

Instrument :
MSVOA_X
ClientSampleId :

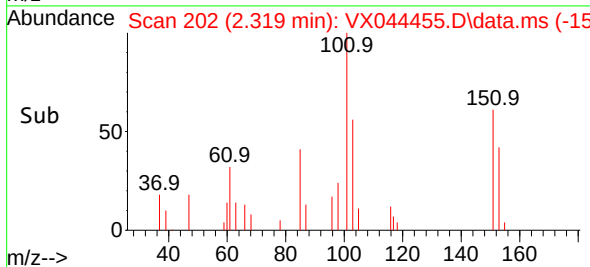
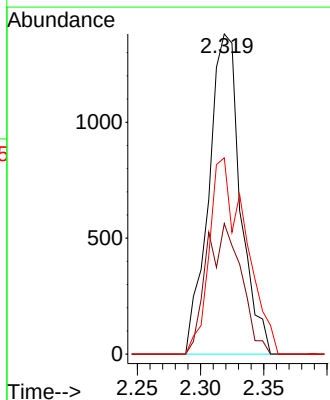
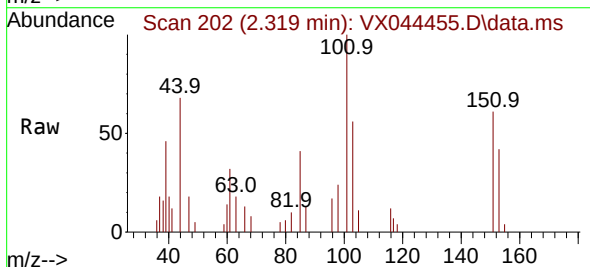


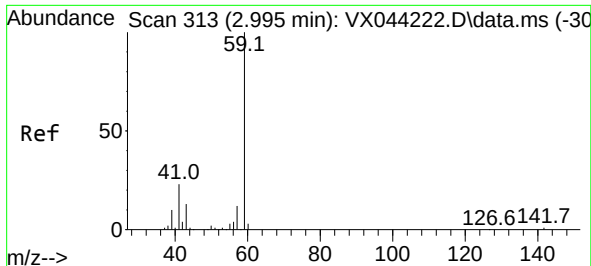
Tgt Ion: 64 Resp: 322
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.632 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX044455.D
Acq: 20 Dec 2024 16:19

Tgt Ion: 101 Resp: 2415
Ion Ratio Lower Upper
101 100
85 44.9 38.5 57.7
151 69.8 55.8 83.6





#11

Tert butyl alcohol

Concen: 5.874 ug/l

RT: 2.934 min Scan# 30

Delta R.T. -0.061 min

Lab File: VX044455.D

Acq: 20 Dec 2024 16:19

Instrument :

MSVOA_X

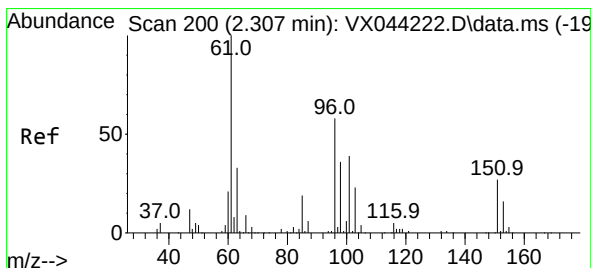
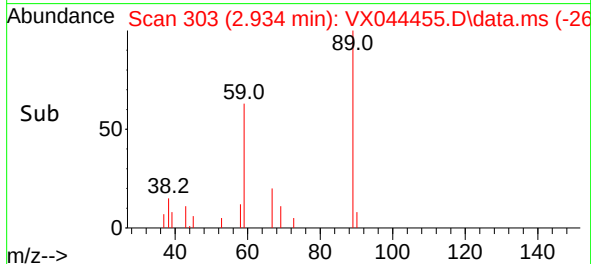
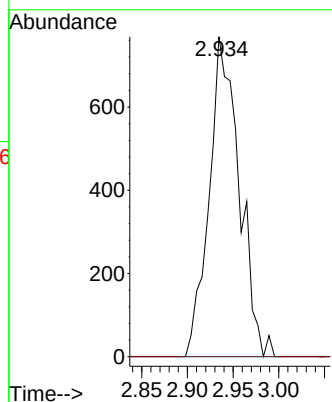
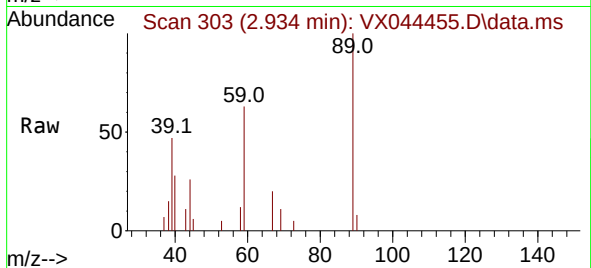
ClientSampleId :

Tgt Ion: 59 Resp: 1760

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



#12

1,1-Dichloroethene

Concen: 0.595 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX044455.D

Acq: 20 Dec 2024 16:19

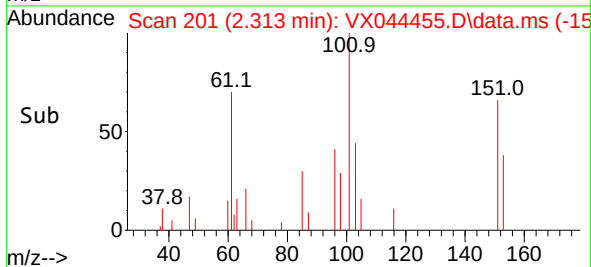
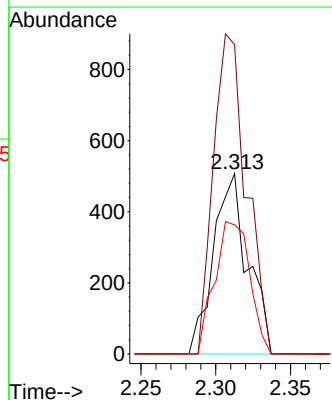
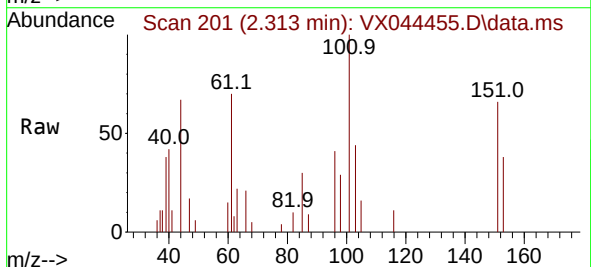
Tgt Ion: 96 Resp: 809

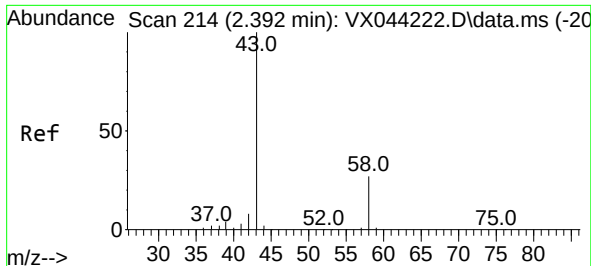
Ion Ratio Lower Upper

96 100

61 171.6 138.0 207.0

98 71.6 50.0 75.0

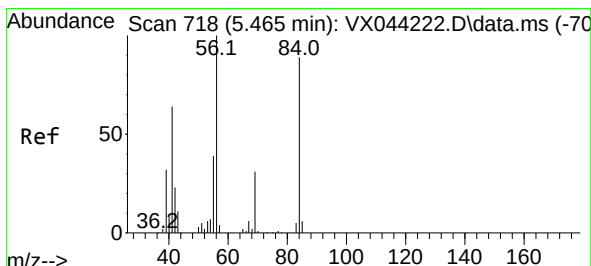
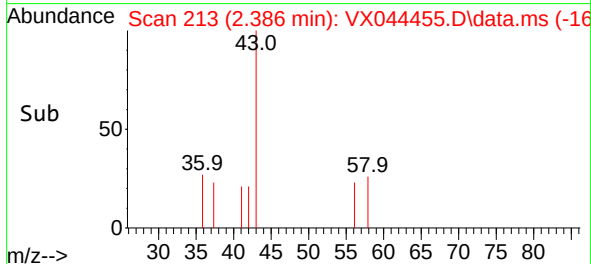
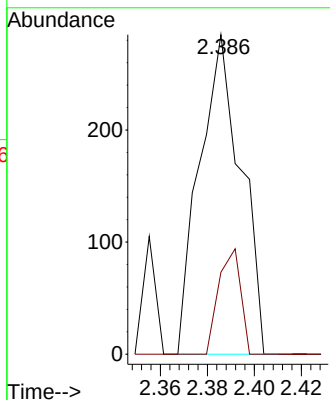
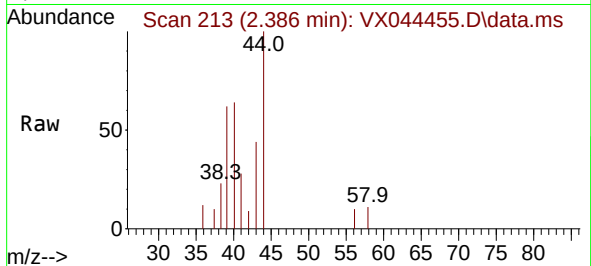




#16
Acetone
Concen: 0.401 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX044455.D
Acq: 20 Dec 2024 16:19

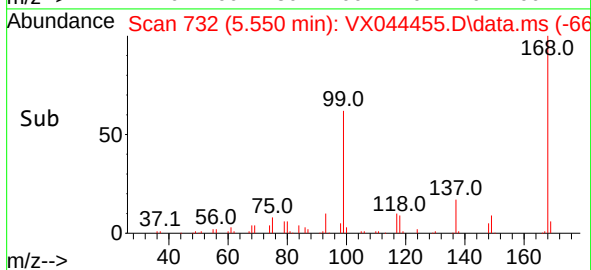
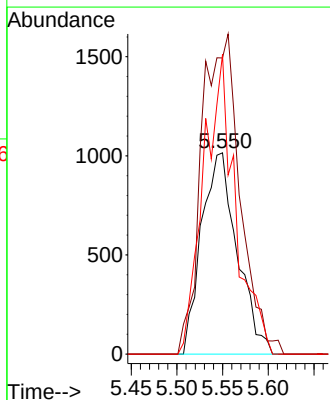
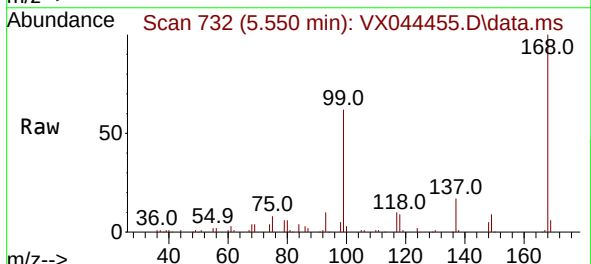
Instrument :
MSVOA_X
ClientSampleId :

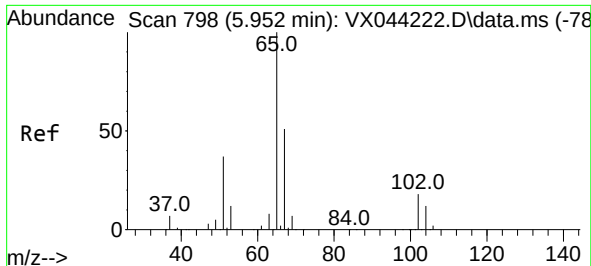
Tgt Ion: 43 Resp: 348
Ion Ratio Lower Upper
43 100
58 25.6 21.6 32.4



#31
Cyclohexane
Concen: 1.199 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX044455.D
Acq: 20 Dec 2024 16:19

Tgt Ion: 56 Resp: 2752
Ion Ratio Lower Upper
56 100
69 147.2 24.7 37.1#
84 149.0 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 42.649 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX044455.D

Acq: 20 Dec 2024 16:19

Instrument :

MSVOA_X

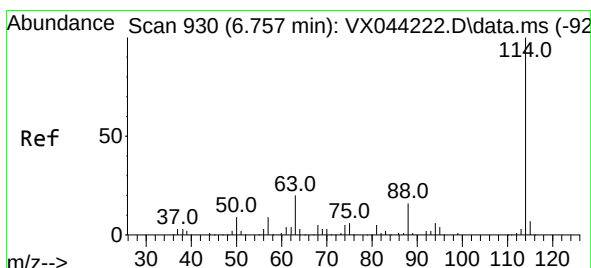
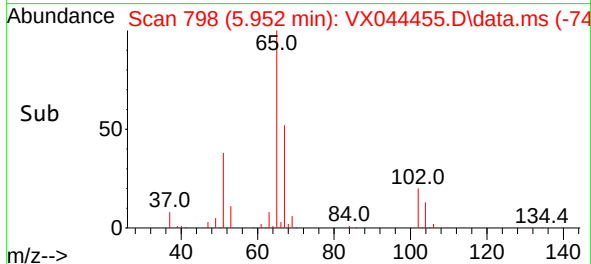
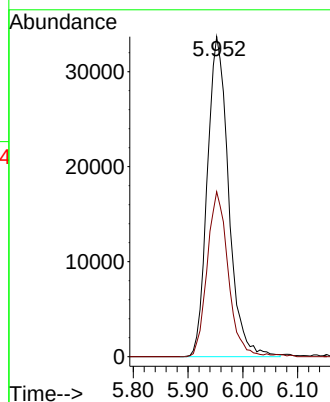
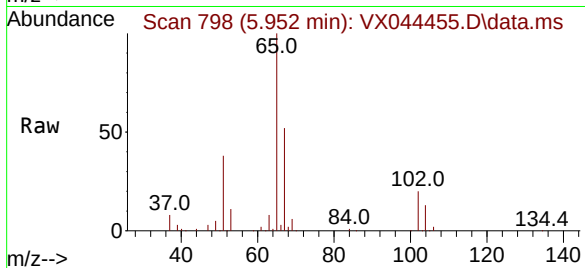
ClientSampleId :

Tgt Ion: 65 Resp: 90673

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: VX044455.D

Acq: 20 Dec 2024 16:19

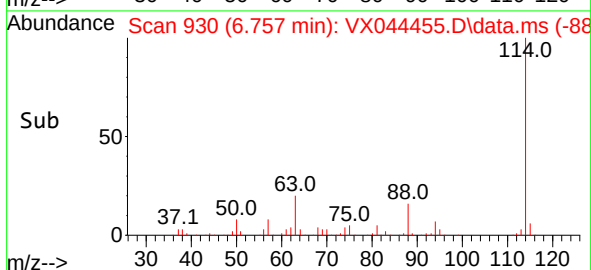
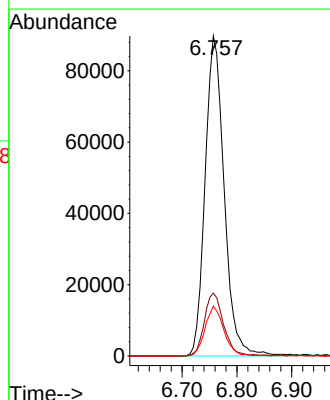
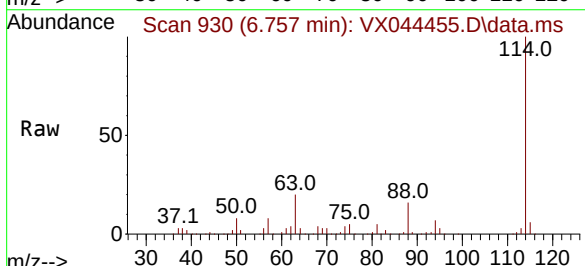
Tgt Ion: 114 Resp: 216230

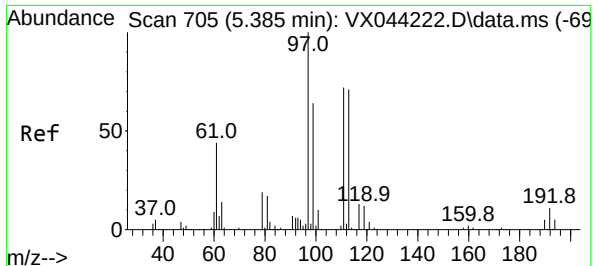
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.6

88 15.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 46.097 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.006 min

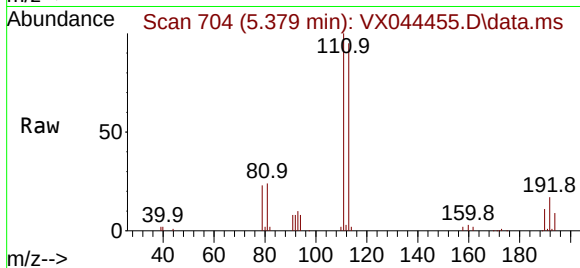
Lab File: VX044455.D

Acq: 20 Dec 2024 16:19

Instrument :

MSVOA_X

ClientSampleId :



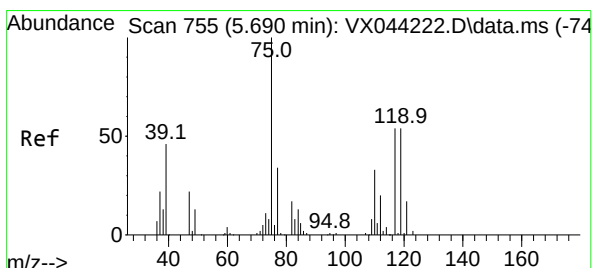
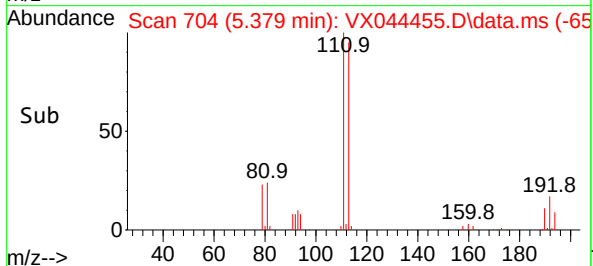
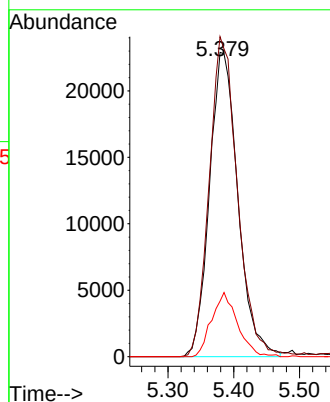
Tgt Ion:113 Resp: 69035

Ion Ratio Lower Upper

113 100

111 104.3 80.4 120.6

192 19.2 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.271 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX044455.D

Acq: 20 Dec 2024 16:19

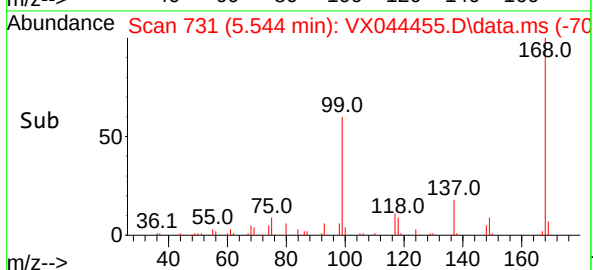
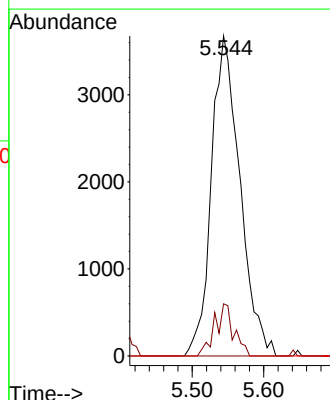
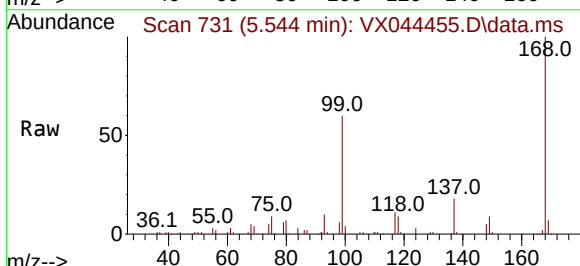
Tgt Ion: 75 Resp: 10203

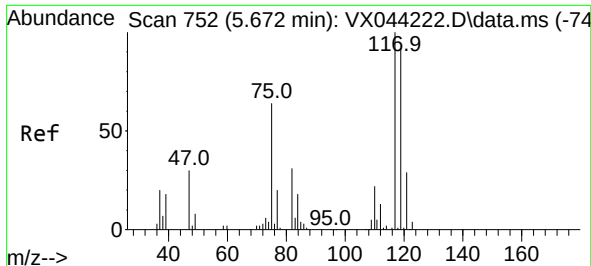
Ion Ratio Lower Upper

75 100

110 10.8 17.3 51.7#

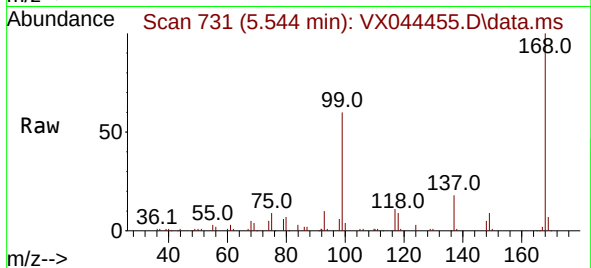
77 0.0 25.4 38.0#



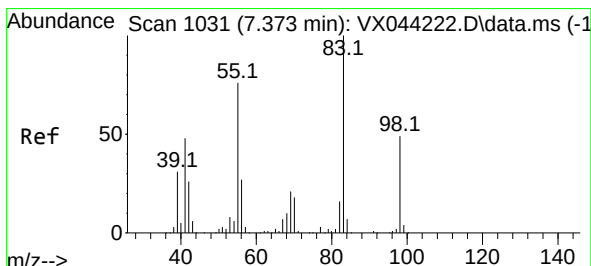
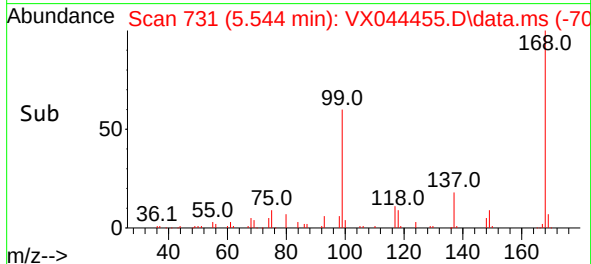
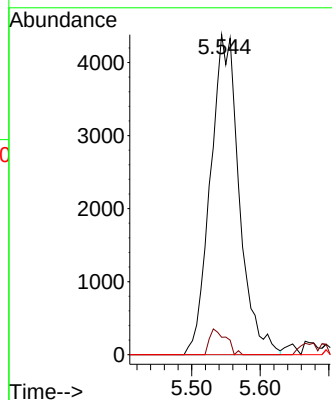


#38
Carbon Tetrachloride
Concen: 6.139 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX044455.D
Acq: 20 Dec 2024 16:19

Instrument :
MSVOA_X
ClientSampleId :

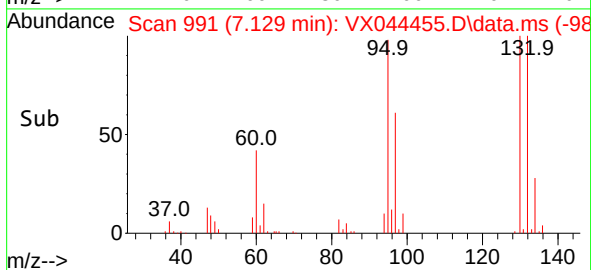
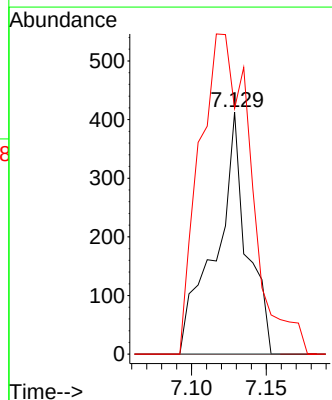
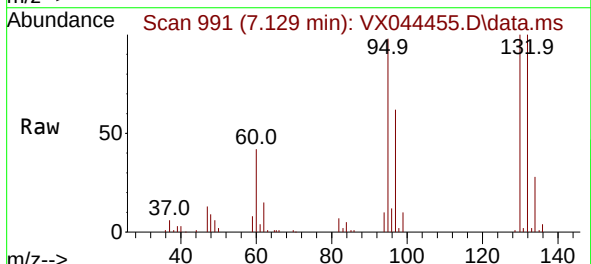


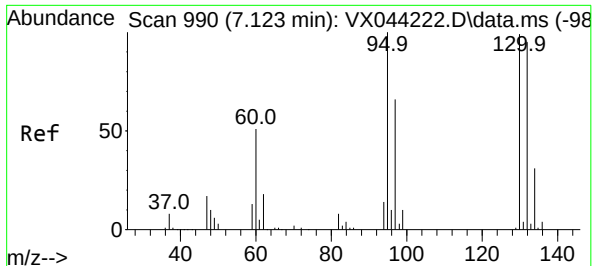
Tgt Ion:117 Resp: 12794
Ion Ratio Lower Upper
117 100
119 5.5 74.2 111.4#
121 0.0 23.0 34.6#



#39
Methylcyclohexane
Concen: 0.257 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.244 min
Lab File: VX044455.D
Acq: 20 Dec 2024 16:19

Tgt Ion: 83 Resp: 595
Ion Ratio Lower Upper
83 100
55 0.0 60.7 91.1#
98 101.5 38.9 58.3#

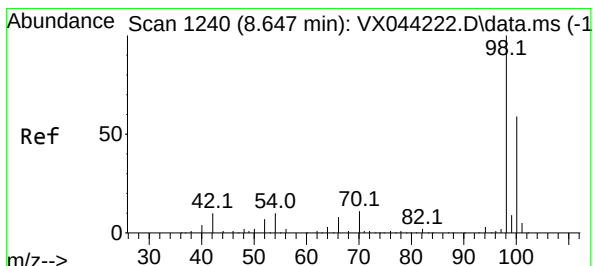
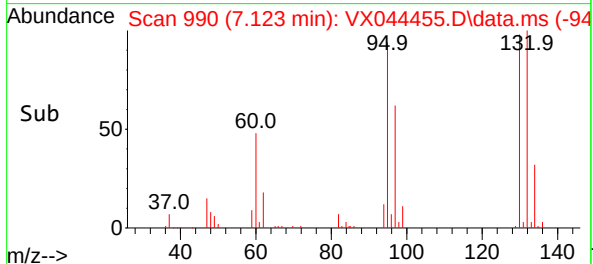
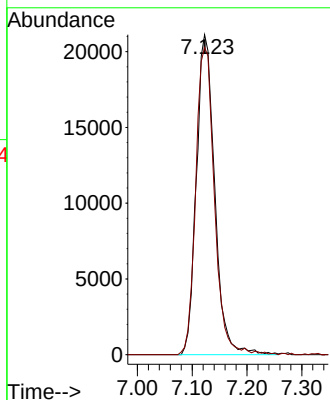
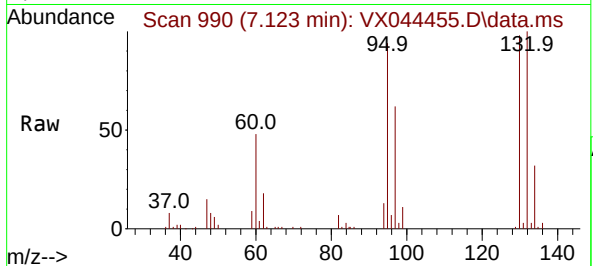




#44
Trichloroethene
Concen: 33.528 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044455.D
Acq: 20 Dec 2024 16:19

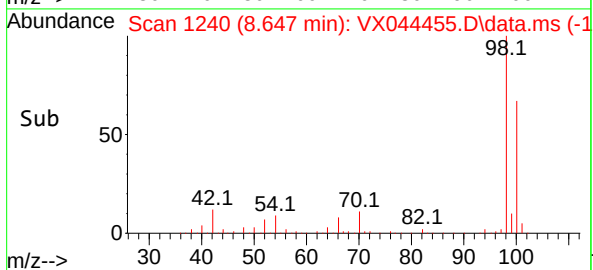
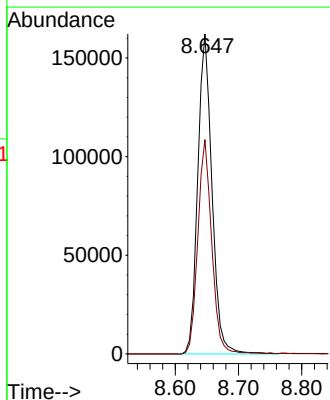
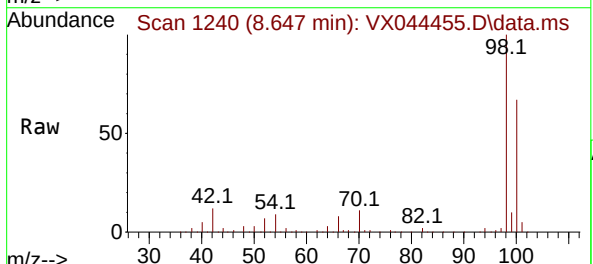
Instrument :
MSVOA_X
ClientSampleId :

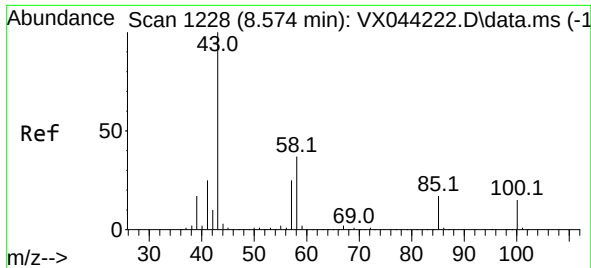
Tgt Ion:130 Resp: 49142
Ion Ratio Lower Upper
130 100
95 96.0 0.0 201.4



#50
Toluene-d8
Concen: 50.336 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044455.D
Acq: 20 Dec 2024 16:19

Tgt Ion: 98 Resp: 254320
Ion Ratio Lower Upper
98 100
100 65.6 51.5 77.3

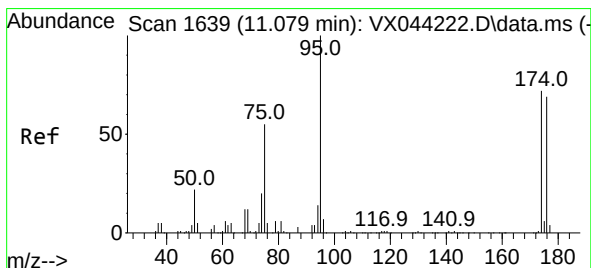
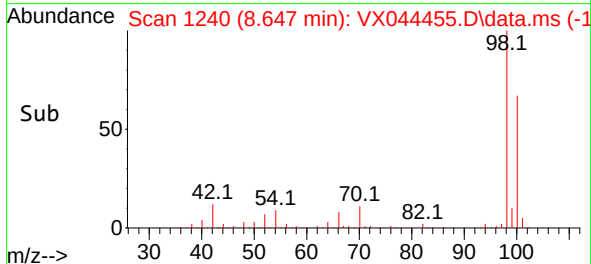
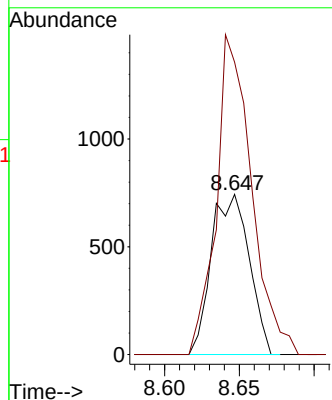
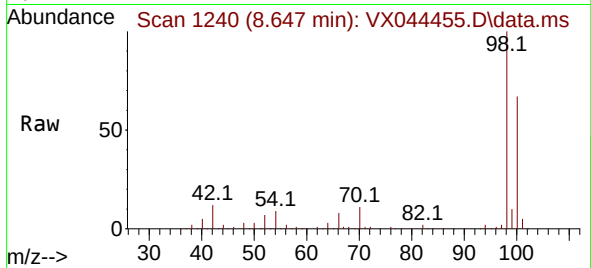




#51
4-Methyl-2-Pentanone
Concen: 0.545 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX044455.D
Acq: 20 Dec 2024 16:19

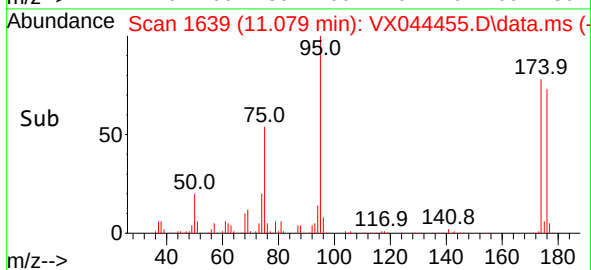
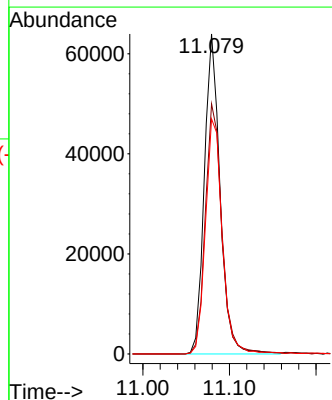
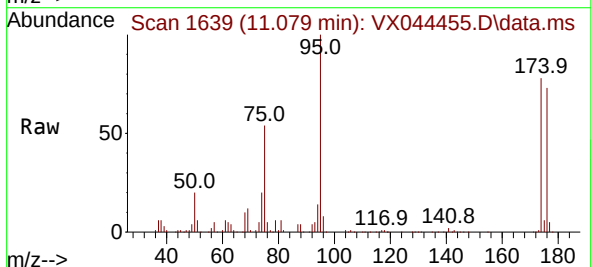
Instrument :
MSVOA_X
ClientSampleId :

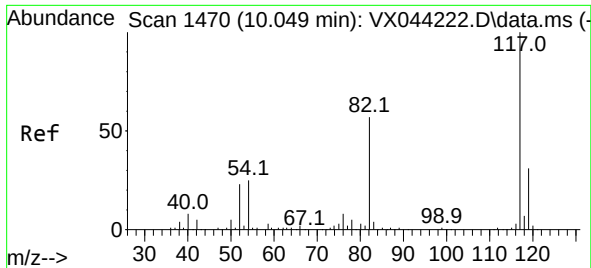
Tgt Ion: 43 Resp: 1311
Ion Ratio Lower Upper
43 100
58 184.8 29.4 44.0#



#62
4-Bromofluorobenzene
Concen: 45.646 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044455.D
Acq: 20 Dec 2024 16:19

Tgt Ion: 95 Resp: 80586
Ion Ratio Lower Upper
95 100
174 82.9 0.0 145.8
176 78.8 0.0 137.8

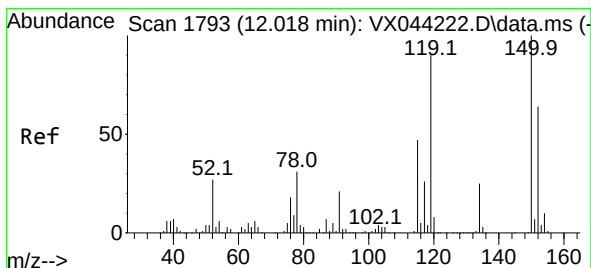
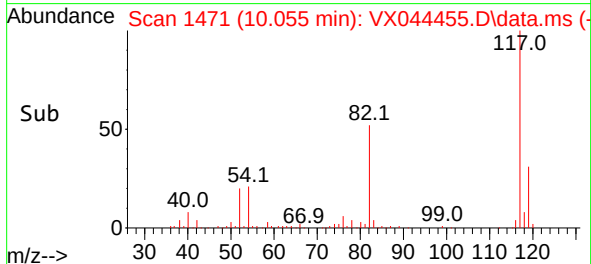
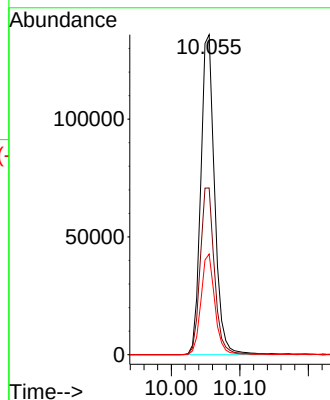
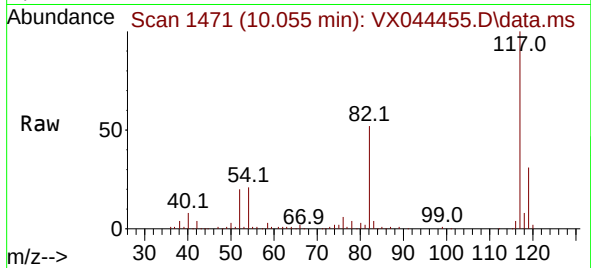




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044455.D
Acq: 20 Dec 2024 16:19

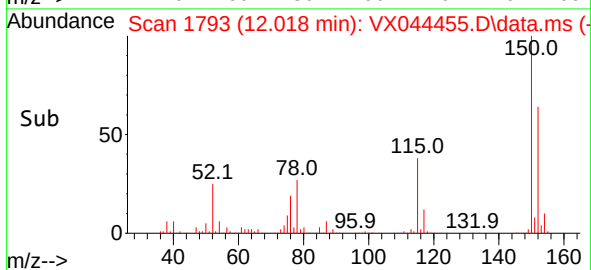
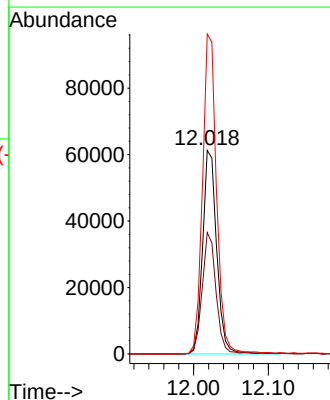
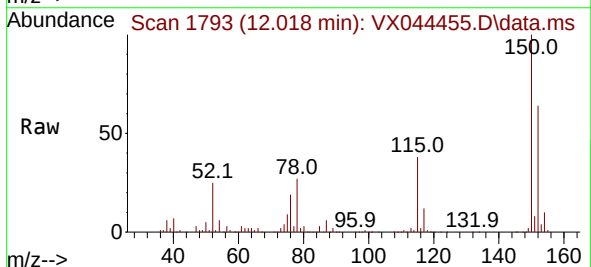
Instrument :
MSVOA_X
ClientSampleId :

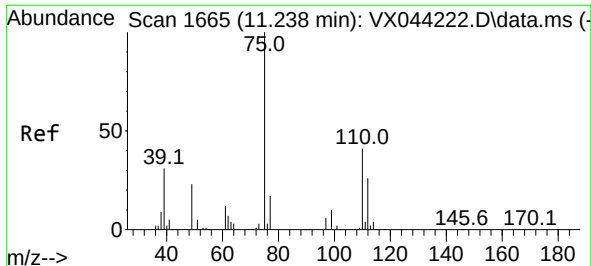
Tgt Ion:117 Resp: 191670
Ion Ratio Lower Upper
117 100
82 52.1 45.8 68.8
119 31.5 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044455.D
Acq: 20 Dec 2024 16:19

Tgt Ion:152 Resp: 80370
Ion Ratio Lower Upper
152 100
115 58.4 44.5 133.3
150 156.7 0.0 353.8

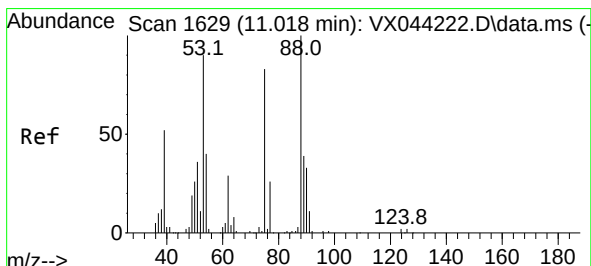
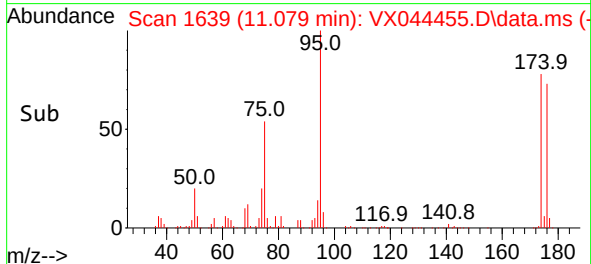
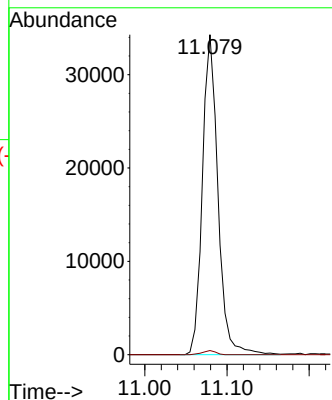
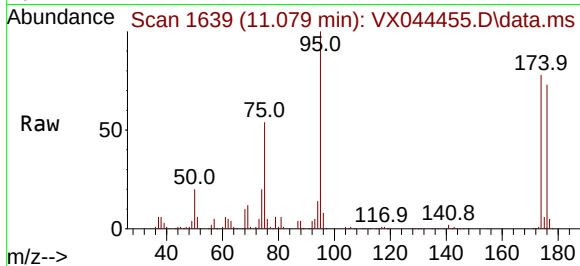




#76
1,2,3-Trichloropropane
Concen: 25.088 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044455.D
Acq: 20 Dec 2024 16:19

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 45019
Ion Ratio Lower Upper
75 100
77 1.1 20.9 62.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.447 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044455.D
Acq: 20 Dec 2024 16:19

Tgt Ion: 75 Resp: 45019
Ion Ratio Lower Upper
75 100
53 0.1 93.6 140.4#
89 0.2 37.3 55.9#

