

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
 Data File : VX044403.D
 Acq On : 19 Dec 2024 01:00
 Operator : JC/MD
 Sample : P5317-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 19 05:07:32 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)

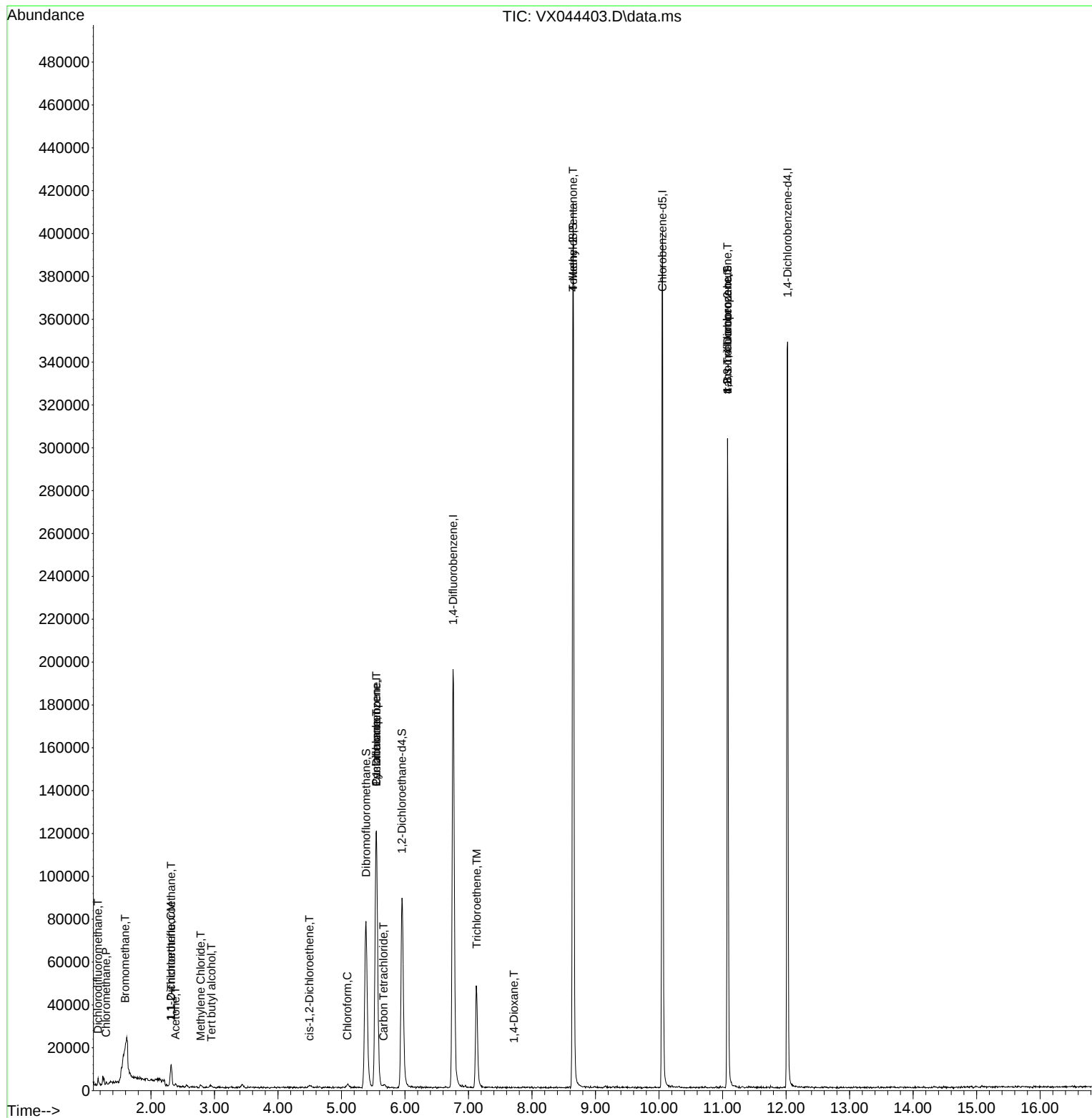
Internal Standards						
1) Pentafluorobenzene	5.550	168	111089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	197202	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87318	44.830	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.660%
35) Dibromofluoromethane	5.385	113	65736	48.130	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.260%
50) Toluene-d8	8.647	98	241867	52.490	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.980%
62) 4-Bromofluorobenzene	11.079	95	78444	48.720	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1636	0.952	ug/l	95
3) Chloromethane	1.294	50	950	0.578	ug/l	91
5) Bromomethane	1.593	94	642	0.529	ug/l #	53
9) 1,1,2-Trichlorotrifluo...	2.318	101	3085	2.276	ug/l	98
11) Tert butyl alcohol	2.952	59	292	1.064	ug/l #	71
12) 1,1-Dichloroethene	2.312	96	1093	0.878	ug/l #	59
16) Acetone	2.385	43	1250	1.574	ug/l	99
20) Methylene Chloride	2.782	84	429	0.288	ug/l #	82
27) cis-1,2-Dichloroethene	4.495	96	610	0.363	ug/l	88
30) Chloroform	5.092	83	1852	0.633	ug/l	97
31) Cyclohexane	5.550	56	2980	1.418	ug/l #	6
36) 1,1-Dichloropropene	5.550	75	9743	5.519	ug/l #	49
38) Carbon Tetrachloride	5.659	117	752	0.396	ug/l #	41
44) Trichloroethene	7.129	130	18379	13.749	ug/l	97
49) 1,4-Dioxane	7.714	88	88	3.206	ug/l #	32
51) 4-Methyl-2-Pentanone	8.647	43	1169	0.533	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	43622	26.986	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	43622	74.279	ug/l #	4

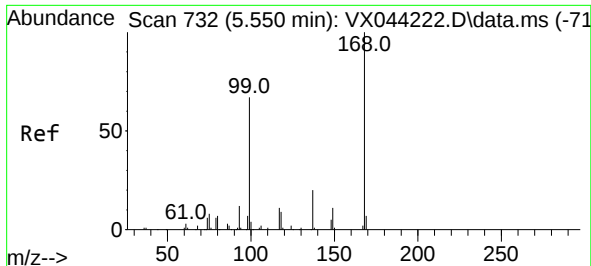
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

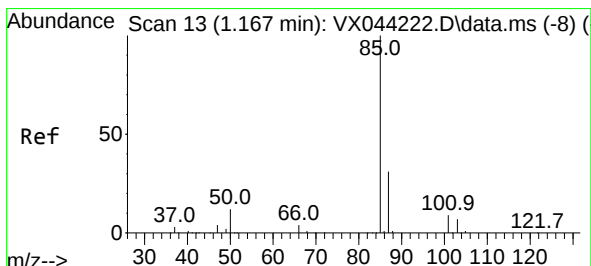
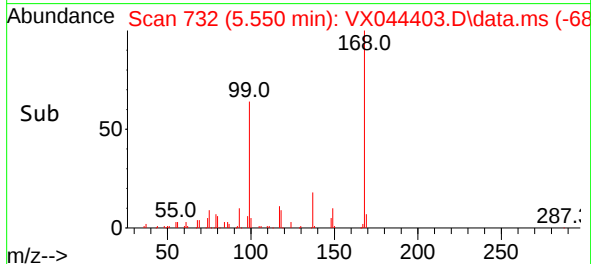
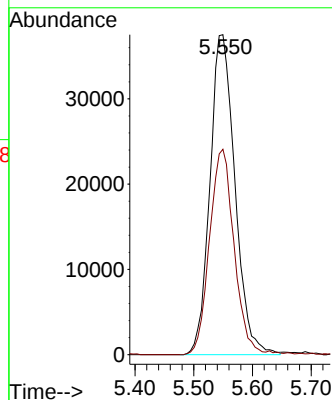
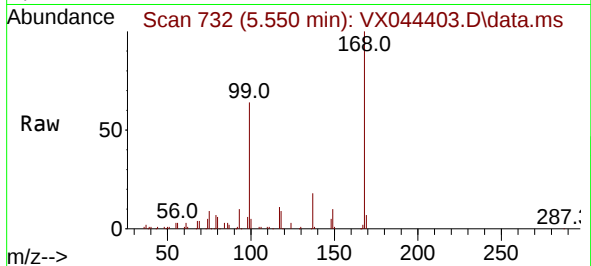




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044403.D
Acq: 19 Dec 2024 01:00

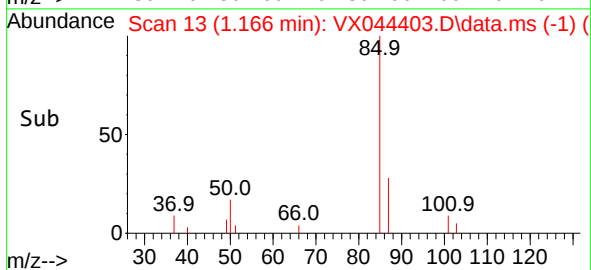
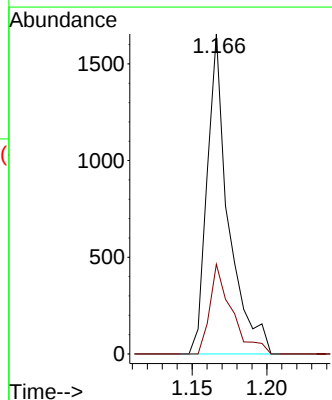
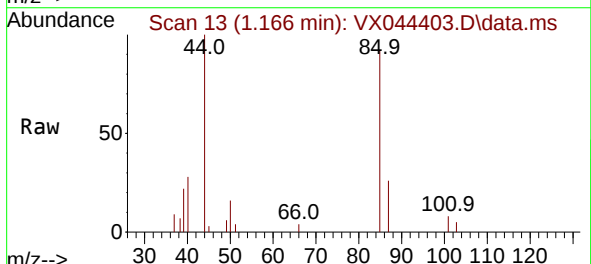
Instrument :
MSVOA_X
ClientSampleId :

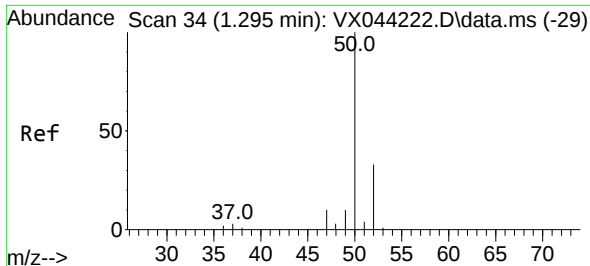
Tgt Ion:168 Resp: 111089
Ion Ratio Lower Upper
168 100
99 64.2 53.4 80.0



#2
Dichlorodifluoromethane
Concen: 0.952 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044403.D
Acq: 19 Dec 2024 01:00

Tgt Ion: 85 Resp: 1636
Ion Ratio Lower Upper
85 100
87 28.0 15.4 46.4

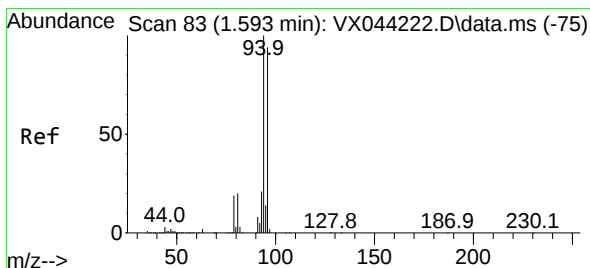
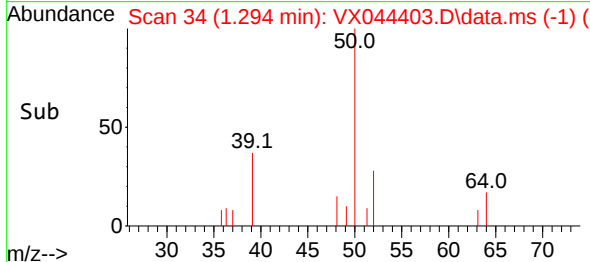
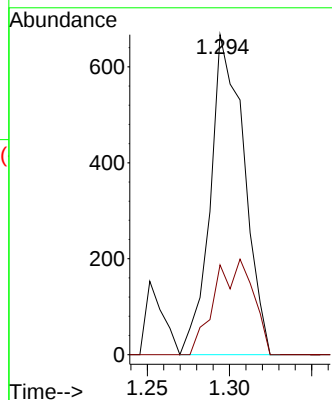
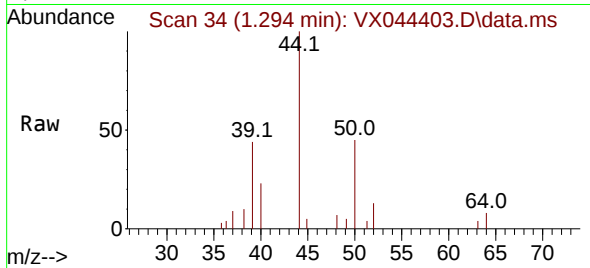




#3
Chloromethane
Concen: 0.578 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044403.D
Acq: 19 Dec 2024 01:00

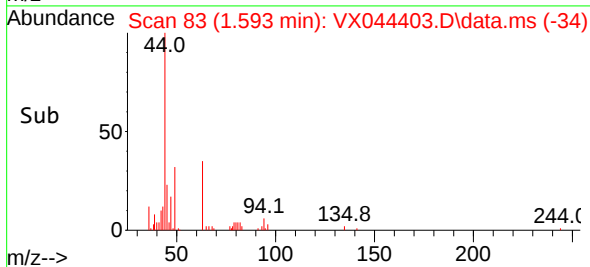
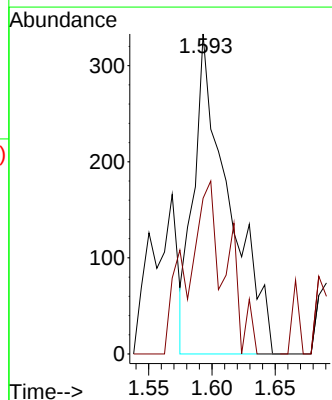
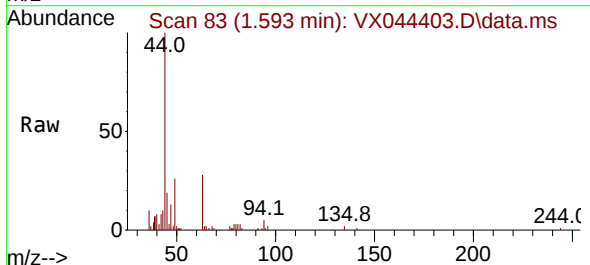
Instrument :
MSVOA_X
ClientSampleId :

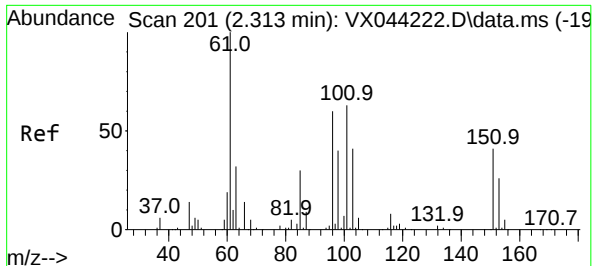
Tgt Ion: 50 Resp: 950
Ion Ratio Lower Upper
50 100
52 28.0 26.5 39.7



#5
Bromomethane
Concen: 0.529 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044403.D
Acq: 19 Dec 2024 01:00

Tgt Ion: 94 Resp: 642
Ion Ratio Lower Upper
94 100
96 48.6 74.9 112.3#

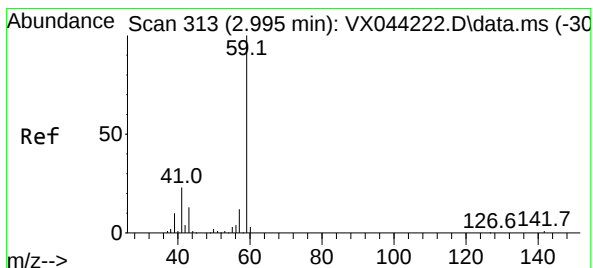
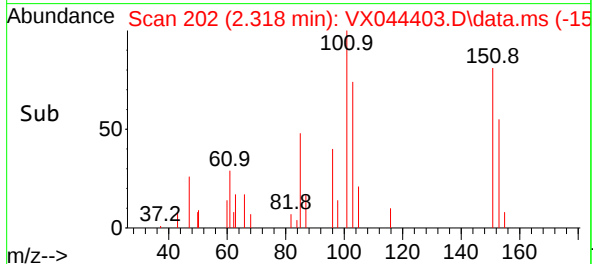
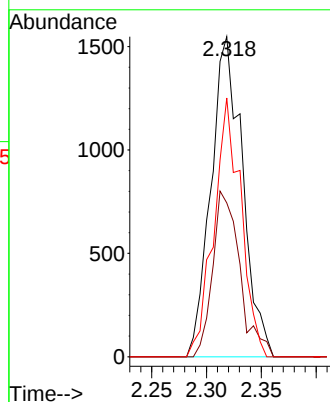
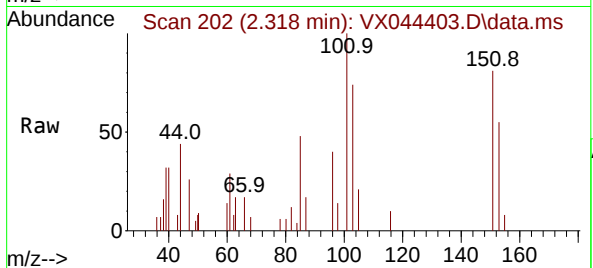




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.276 ug/l
RT: 2.318 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044403.D
Acq: 19 Dec 2024 01:00

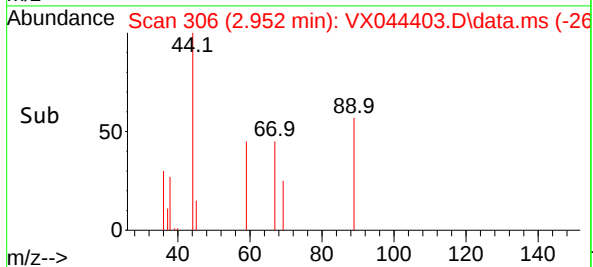
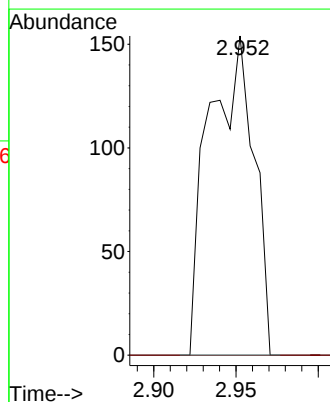
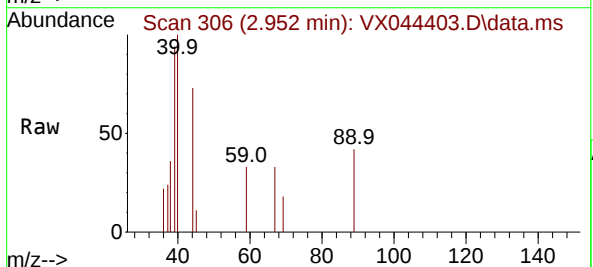
Instrument :
MSVOA_X
ClientSampleId :

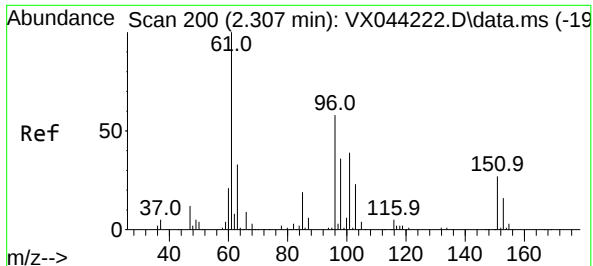
Tgt Ion:101 Resp: 3085
Ion Ratio Lower Upper
101 100
85 44.6 38.5 57.7
151 69.5 55.8 83.6



#11
Tert butyl alcohol
Concen: 1.064 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.043 min
Lab File: VX044403.D
Acq: 19 Dec 2024 01:00

Tgt Ion: 59 Resp: 292
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#





#12

1,1-Dichloroethene

Concen: 0.878 ug/l

RT: 2.312 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX044403.D

Acq: 19 Dec 2024 01:00

Instrument :

MSVOA_X

ClientSampleId :

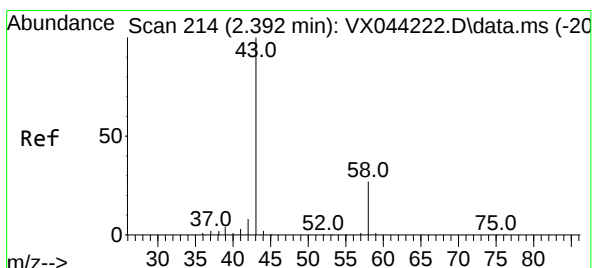
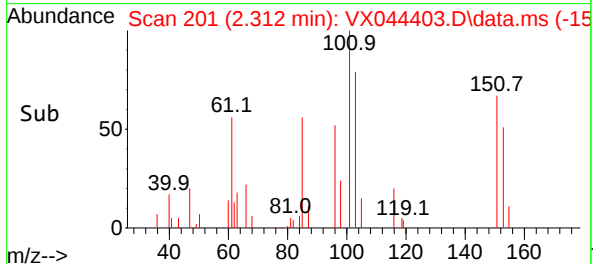
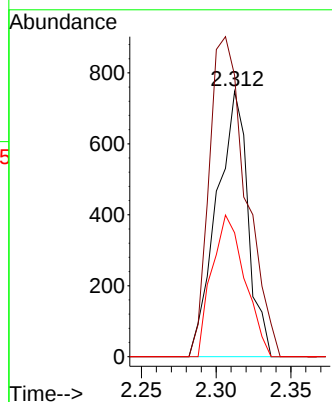
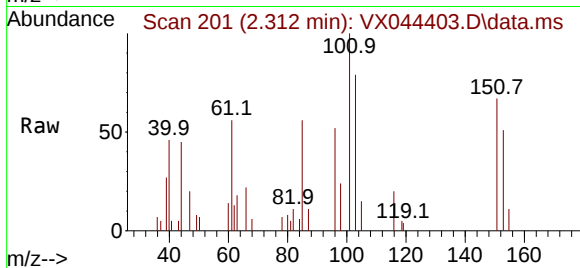
Tgt Ion: 96 Resp: 1093

Ion Ratio Lower Upper

96 100

61 106.0 138.0 207.0#

98 46.7 50.0 75.0#



#16

Acetone

Concen: 1.574 ug/l

RT: 2.385 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX044403.D

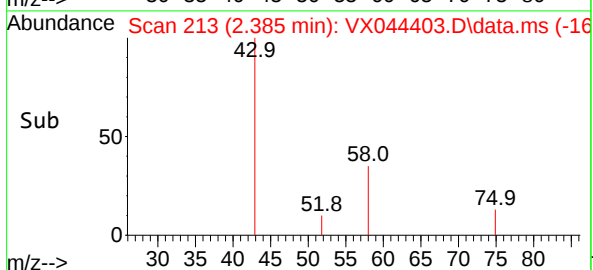
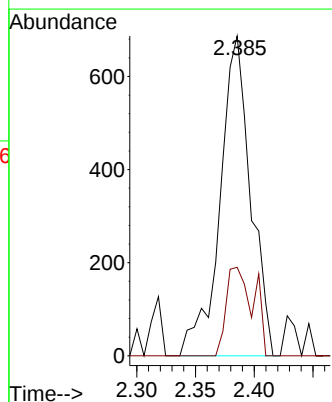
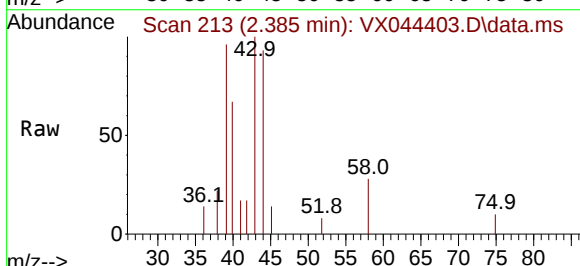
Acq: 19 Dec 2024 01:00

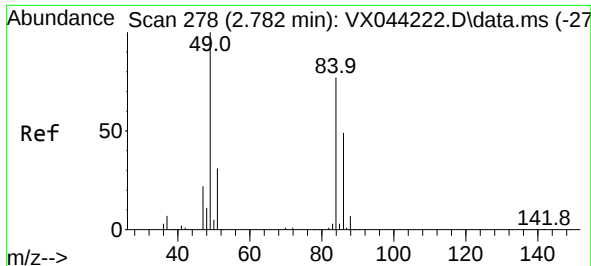
Tgt Ion: 43 Resp: 1250

Ion Ratio Lower Upper

43 100

58 27.7 21.6 32.4



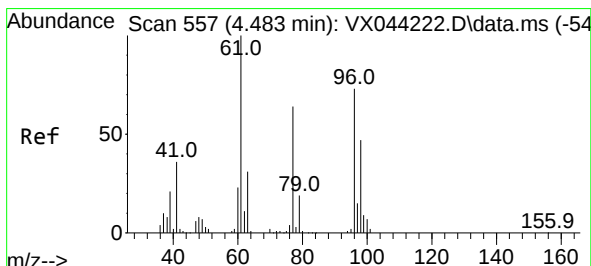
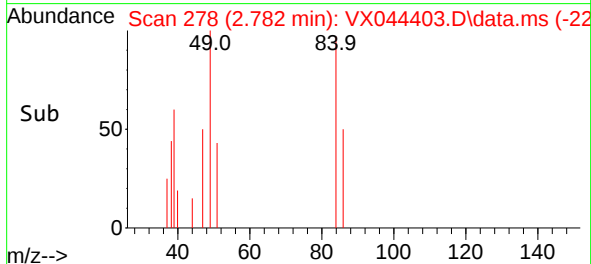
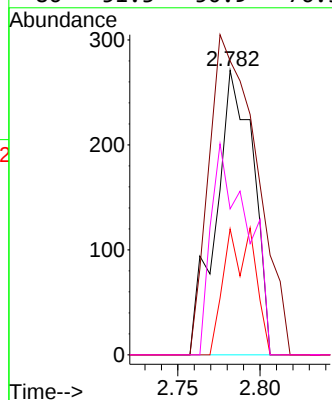
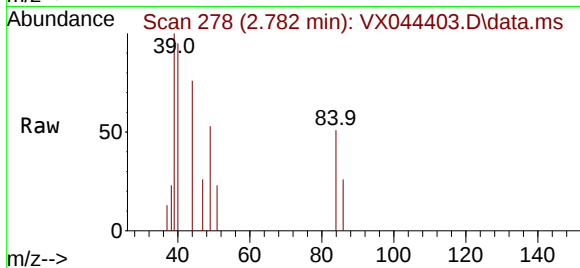


#20
Methylene Chloride
Concen: 0.288 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX044403.D
Acq: 19 Dec 2024 01:00

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 84 Resp: 429

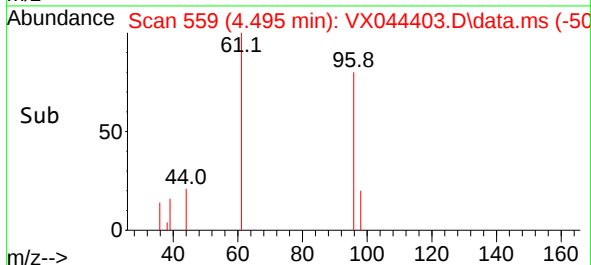
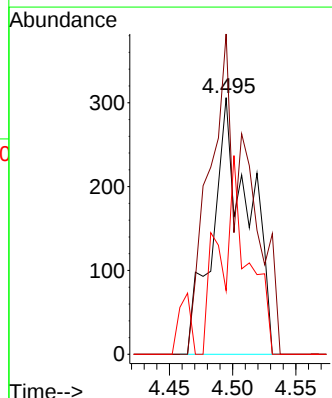
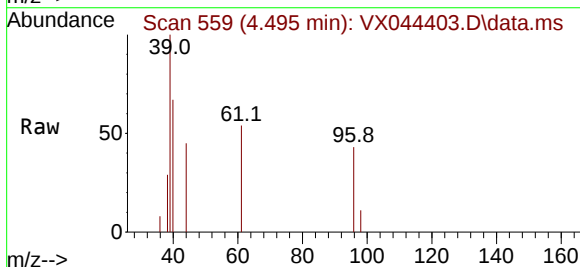
Ion	Ratio	Lower	Upper
84	100		
49	103.3	104.2	156.4#
51	44.3	32.2	48.4
86	51.3	50.9	76.3

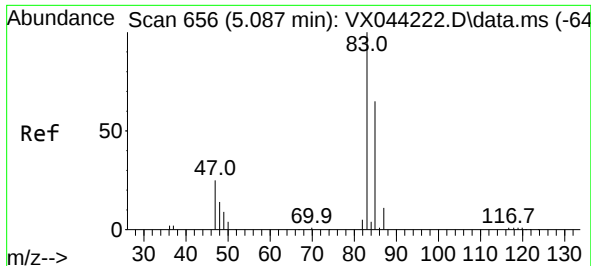


#27
cis-1,2-Dichloroethene
Concen: 0.363 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX044403.D
Acq: 19 Dec 2024 01:00

Tgt Ion: 96 Resp: 610

Ion	Ratio	Lower	Upper
96	100		
61	131.1	0.0	299.0
98	59.3	0.0	129.0





#30

Chloroform

Concen: 0.633 ug/l

RT: 5.092 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX044403.D

Acq: 19 Dec 2024 01:00

Instrument :

MSVOA_X

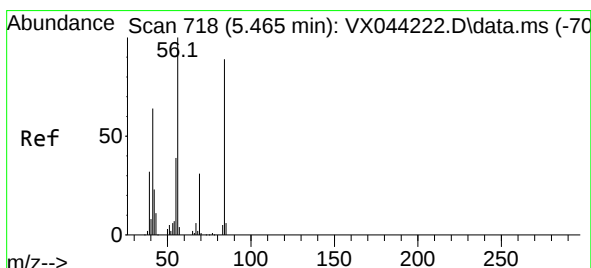
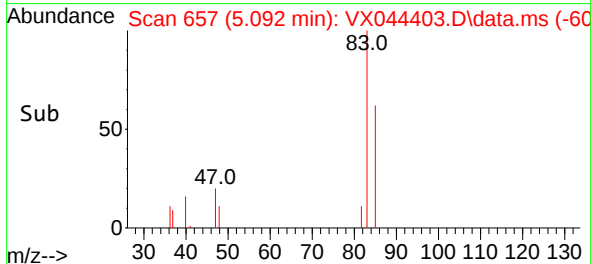
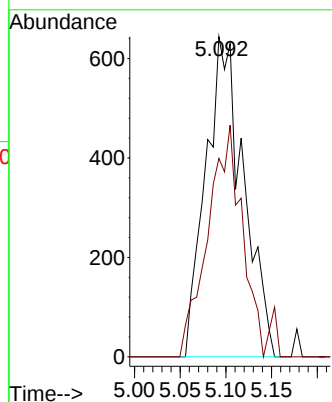
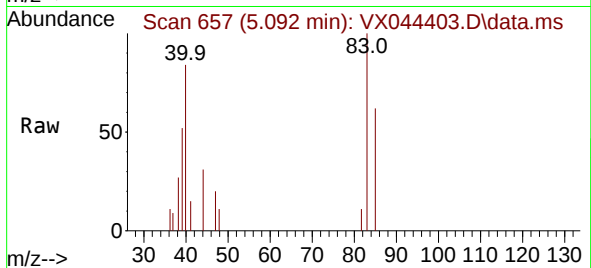
ClientSampleId :

Tgt Ion: 83 Resp: 1852

Ion Ratio Lower Upper

83 100

85 62.0 51.6 77.4



#31

Cyclohexane

Concen: 1.418 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX044403.D

Acq: 19 Dec 2024 01:00

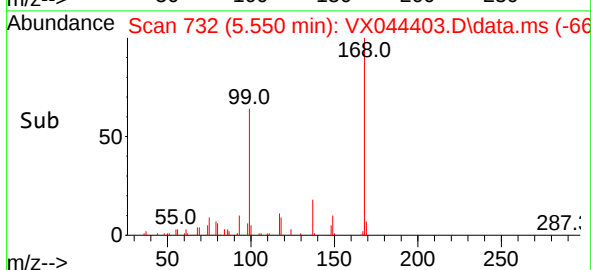
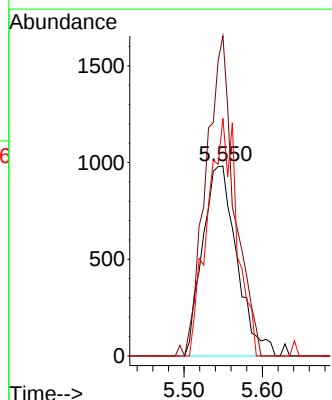
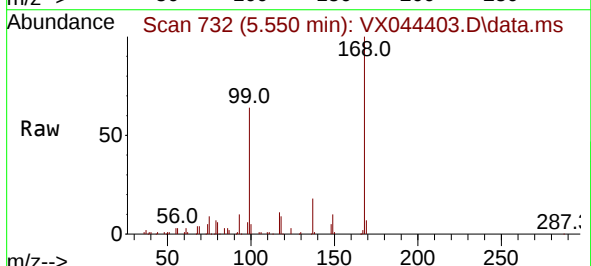
Tgt Ion: 56 Resp: 2980

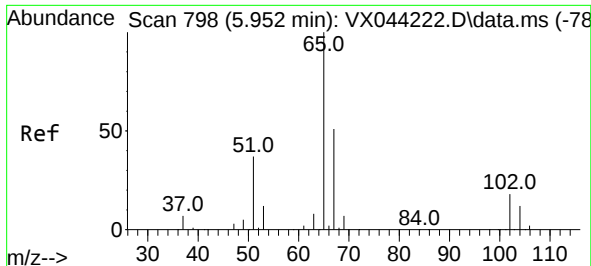
Ion Ratio Lower Upper

56 100

69 168.5 24.7 37.1#

84 125.2 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 44.830 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX044403.D

Acq: 19 Dec 2024 01:00

Instrument :

MSVOA_X

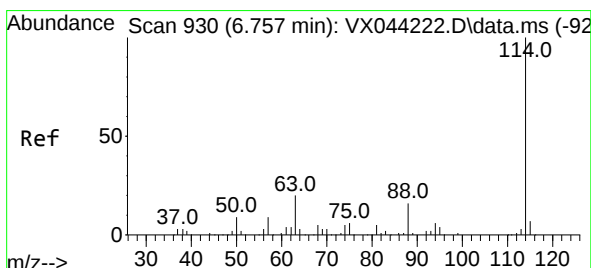
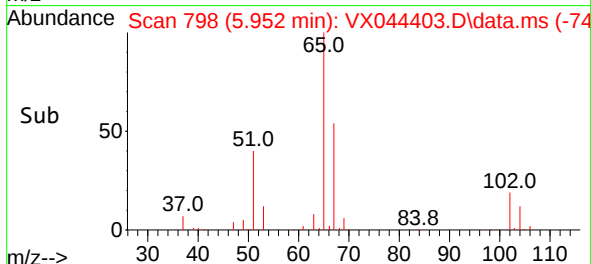
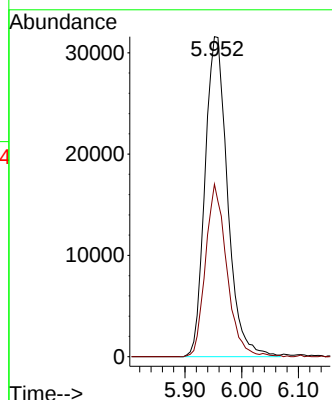
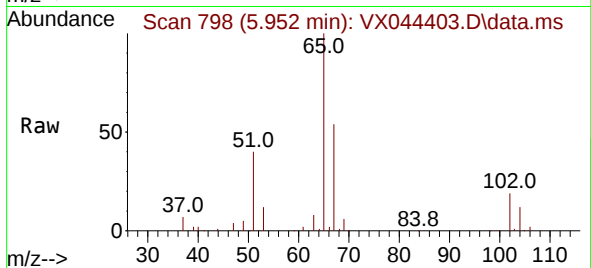
ClientSampleId :

Tgt Ion: 65 Resp: 87318

Ion Ratio Lower Upper

65 100

67 50.9 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044403.D

Acq: 19 Dec 2024 01:00

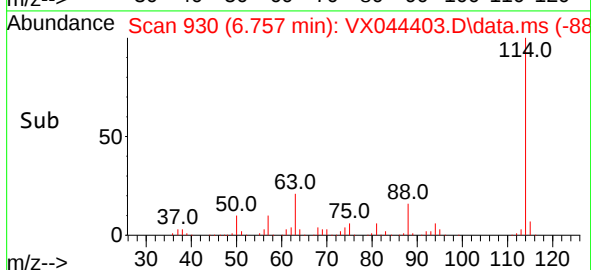
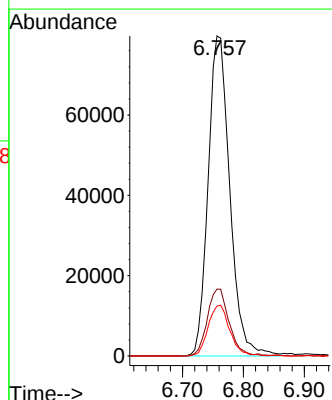
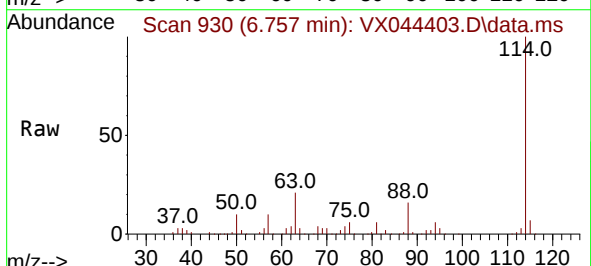
Tgt Ion: 114 Resp: 197202

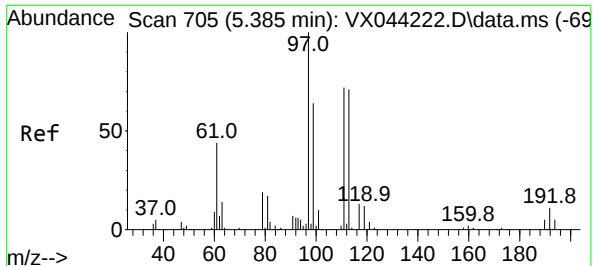
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.6

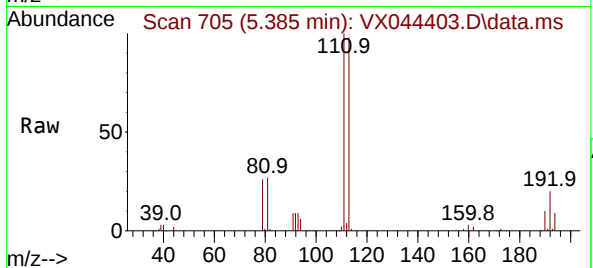
88 15.6 0.0 31.8



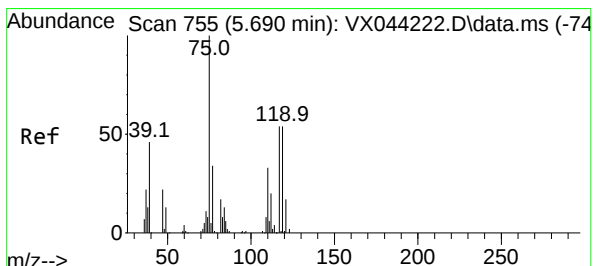
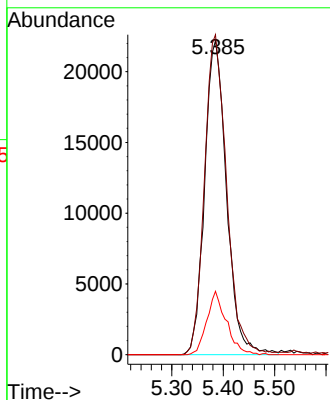
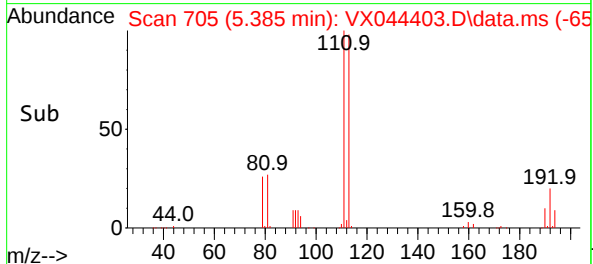


#35
Dibromofluoromethane
Concen: 48.130 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX044403.D
Acq: 19 Dec 2024 01:00

Instrument :
MSVOA_X
ClientSampleId :

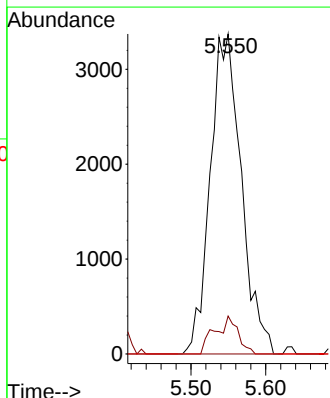
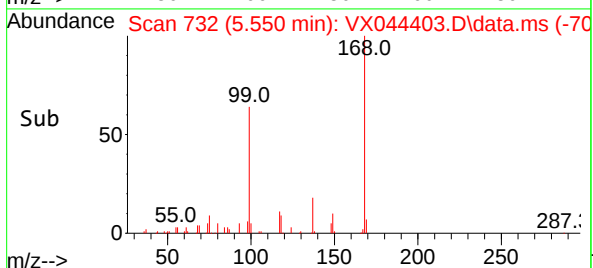
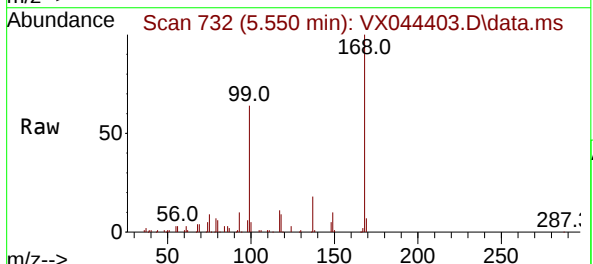


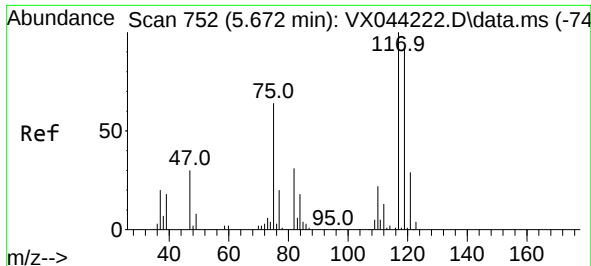
Tgt Ion:113 Resp: 65736
Ion Ratio Lower Upper
113 100
111 103.2 80.4 120.6
192 18.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.519 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.141 min
Lab File: VX044403.D
Acq: 19 Dec 2024 01:00

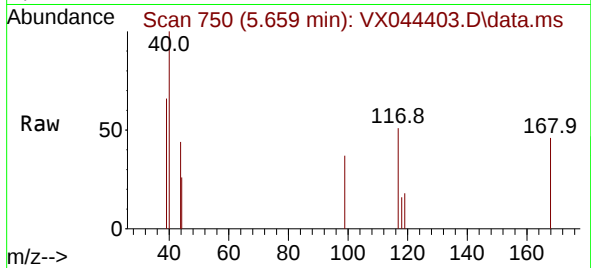
Tgt Ion: 75 Resp: 9743
Ion Ratio Lower Upper
75 100
110 8.8 17.3 51.7#
77 0.0 25.4 38.0#



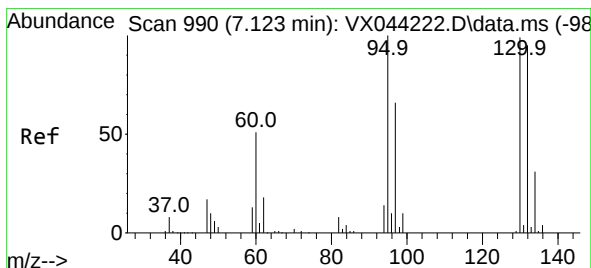
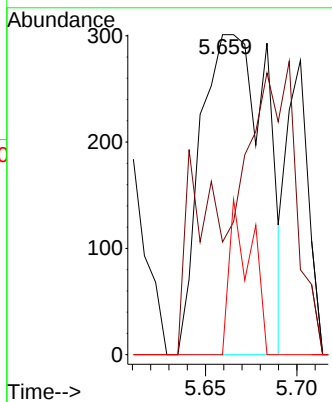
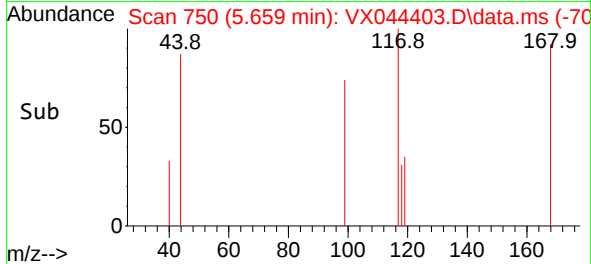


#38
Carbon Tetrachloride
Concen: 0.396 ug/l
RT: 5.659 min Scan# 752
Delta R.T. -0.013 min
Lab File: VX044403.D
Acq: 19 Dec 2024 01:00

Instrument :
MSVOA_X
ClientSampleId :

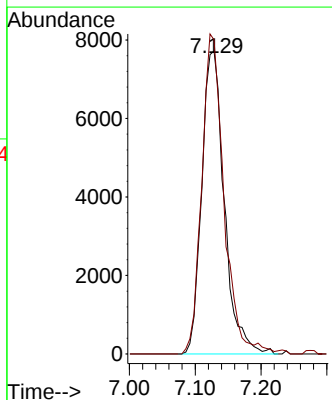
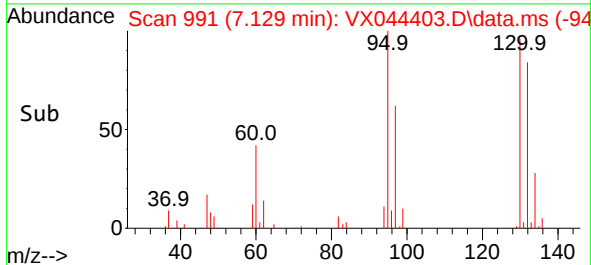
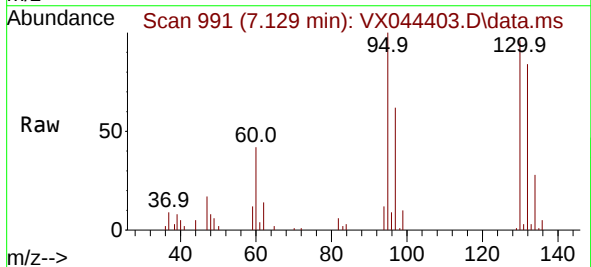


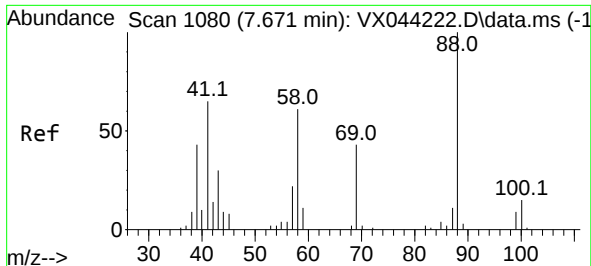
Tgt Ion:117 Resp: 752
Ion Ratio Lower Upper
117 100
119 35.2 74.2 111.4#
121 0.0 23.0 34.6#



#44
Trichloroethene
Concen: 13.749 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX044403.D
Acq: 19 Dec 2024 01:00

Tgt Ion:130 Resp: 18379
Ion Ratio Lower Upper
130 100
95 103.7 0.0 201.4





#49

1,4-Dioxane

Concen: 3.206 ug/l

RT: 7.714 min Scan# 1080

Delta R.T. 0.042 min

Lab File: VX044403.D

Acq: 19 Dec 2024 01:00

Instrument :

MSVOA_X

ClientSampleId :

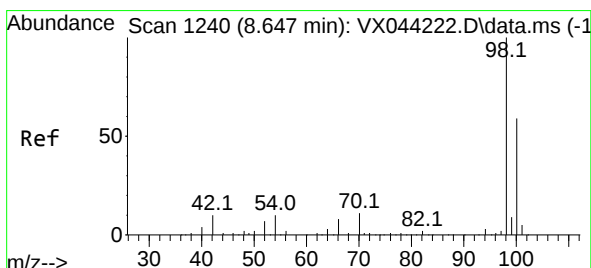
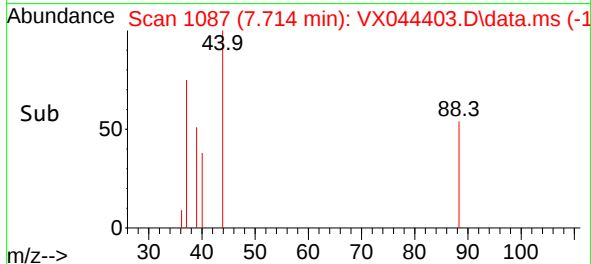
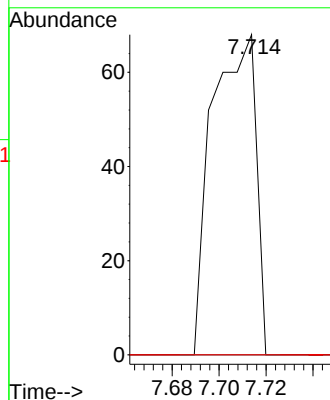
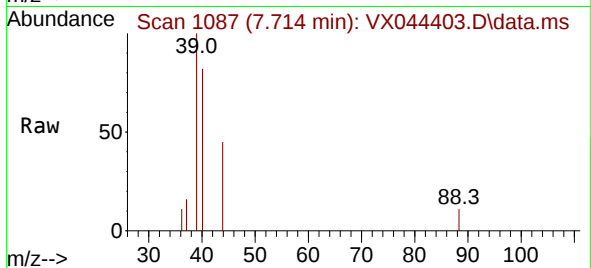
Tgt Ion: 88 Resp: 88

Ion Ratio Lower Upper

88 100

43 0.0 27.1 40.7#

58 0.0 41.0 61.4#



#50

Toluene-d8

Concen: 52.490 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX044403.D

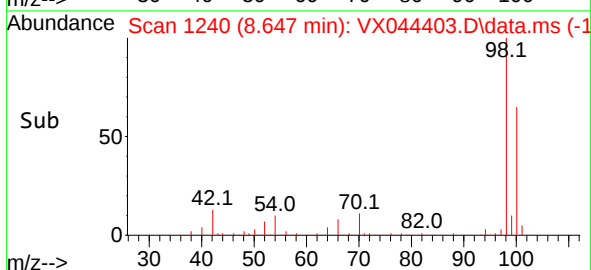
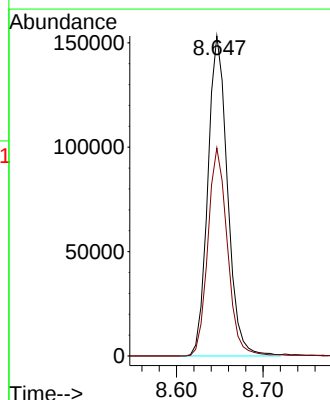
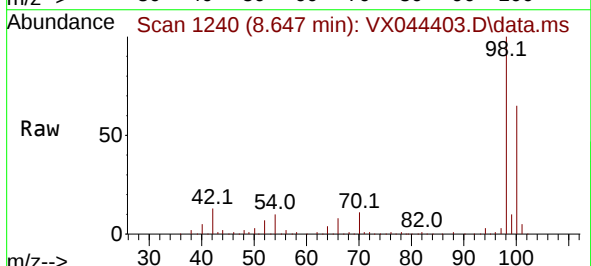
Acq: 19 Dec 2024 01:00

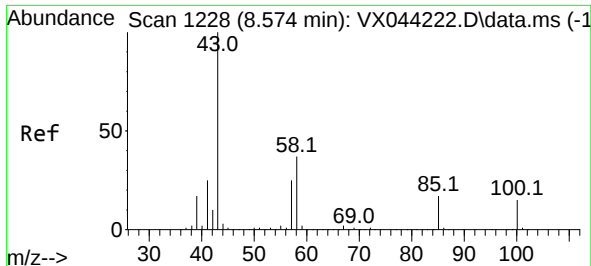
Tgt Ion: 98 Resp: 241867

Ion Ratio Lower Upper

98 100

100 64.7 51.5 77.3

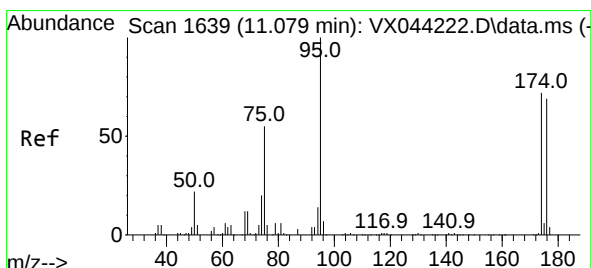
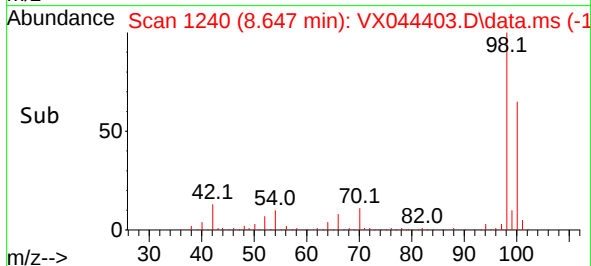
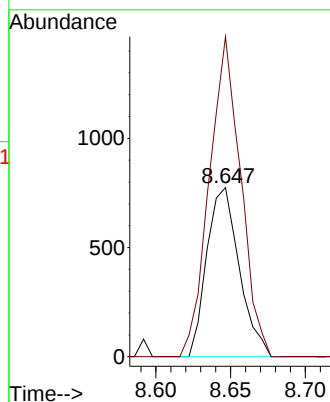
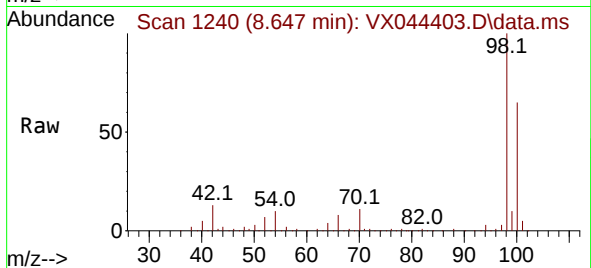




#51
 4-Methyl-2-Pentanone
 Concen: 0.533 ug/l
 RT: 8.647 min Scan# 1169
 Delta R.T. 0.073 min
 Lab File: VX044403.D
 Acq: 19 Dec 2024 01:00

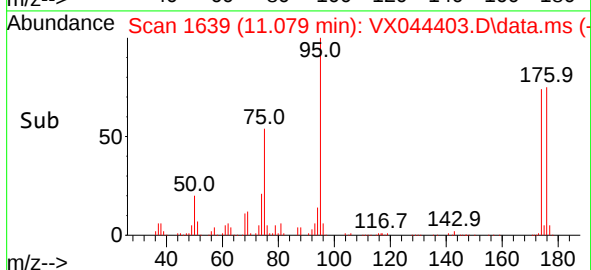
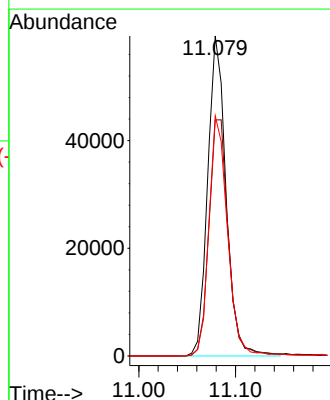
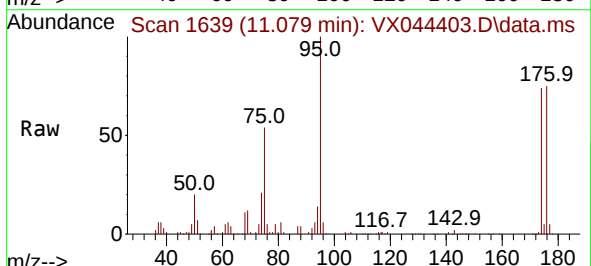
Instrument :
 MSVOA_X
 ClientSampleId :

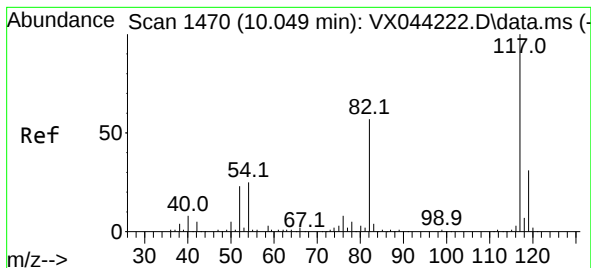
Tgt Ion: 43 Resp: 1169
 Ion Ratio Lower Upper
 43 100
 58 183.7 29.4 44.0#



#62
 4-Bromofluorobenzene
 Concen: 48.720 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.000 min
 Lab File: VX044403.D
 Acq: 19 Dec 2024 01:00

Tgt Ion: 95 Resp: 78444
 Ion Ratio Lower Upper
 95 100
 174 78.3 0.0 145.8
 176 75.8 0.0 137.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX044403.D

Acq: 19 Dec 2024 01:00

Instrument :

MSVOA_X

ClientSampleId :

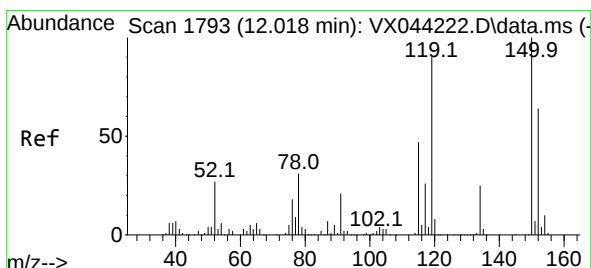
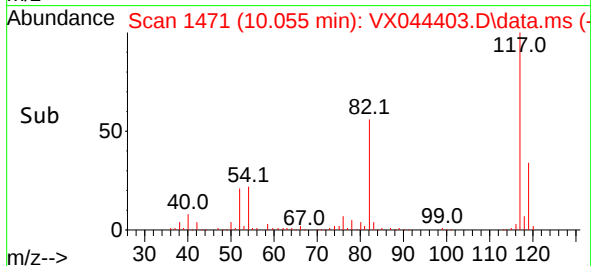
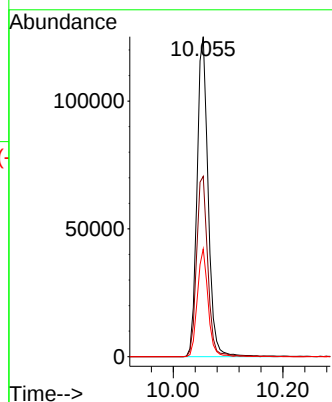
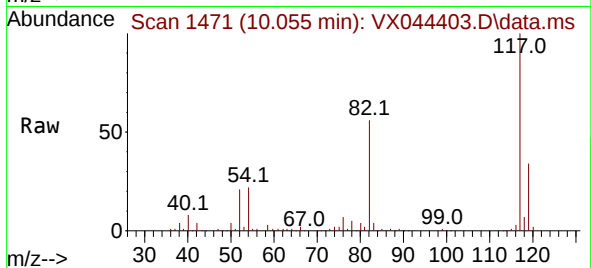
Tgt Ion:117 Resp: 177391

Ion Ratio Lower Upper

117 100

82 56.4 45.8 68.8

119 33.6 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: VX044403.D

Acq: 19 Dec 2024 01:00

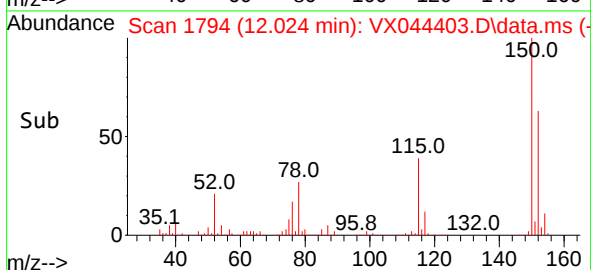
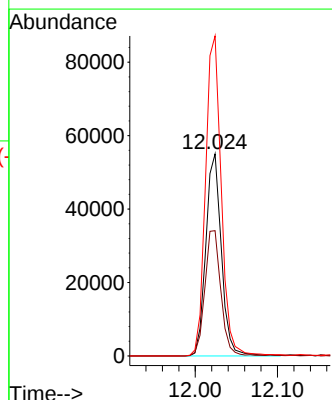
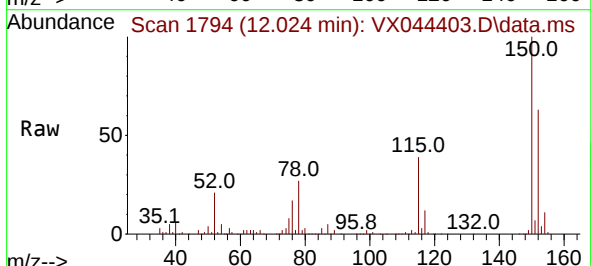
Tgt Ion:152 Resp: 72398

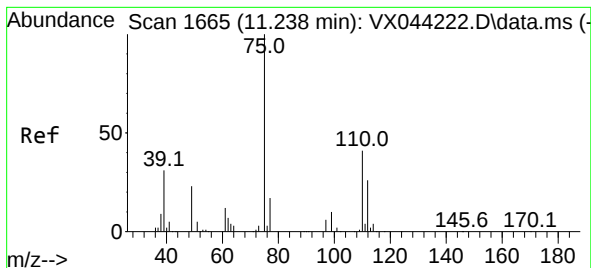
Ion Ratio Lower Upper

152 100

115 63.7 44.5 133.3

150 160.2 0.0 353.8

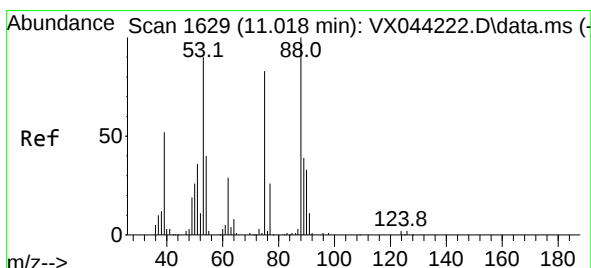
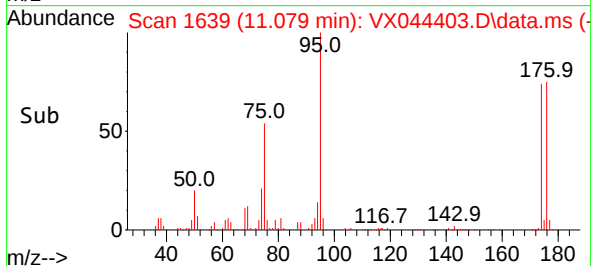
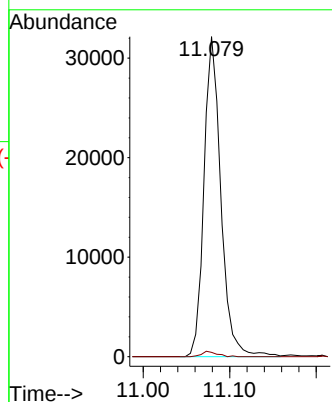
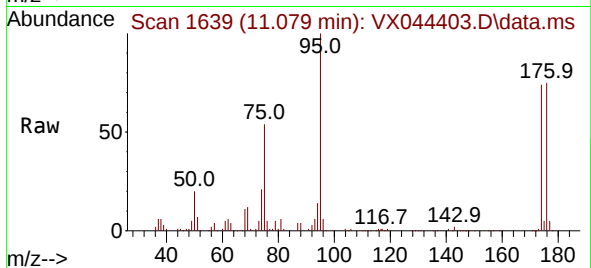




#76
1,2,3-Trichloropropane
Concen: 26.986 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044403.D
Acq: 19 Dec 2024 01:00

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 43622
Ion Ratio Lower Upper
75 100
77 1.5 20.9 62.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.279 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044403.D
Acq: 19 Dec 2024 01:00

Tgt Ion: 75 Resp: 43622
Ion Ratio Lower Upper
75 100
53 0.0 93.6 140.4#
89 0.0 37.3 55.9#

