

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
 Data File : VX044410.D
 Acq On : 19 Dec 2024 03:44
 Operator : JC/MD
 Sample : P5317-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 19 05:10:11 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

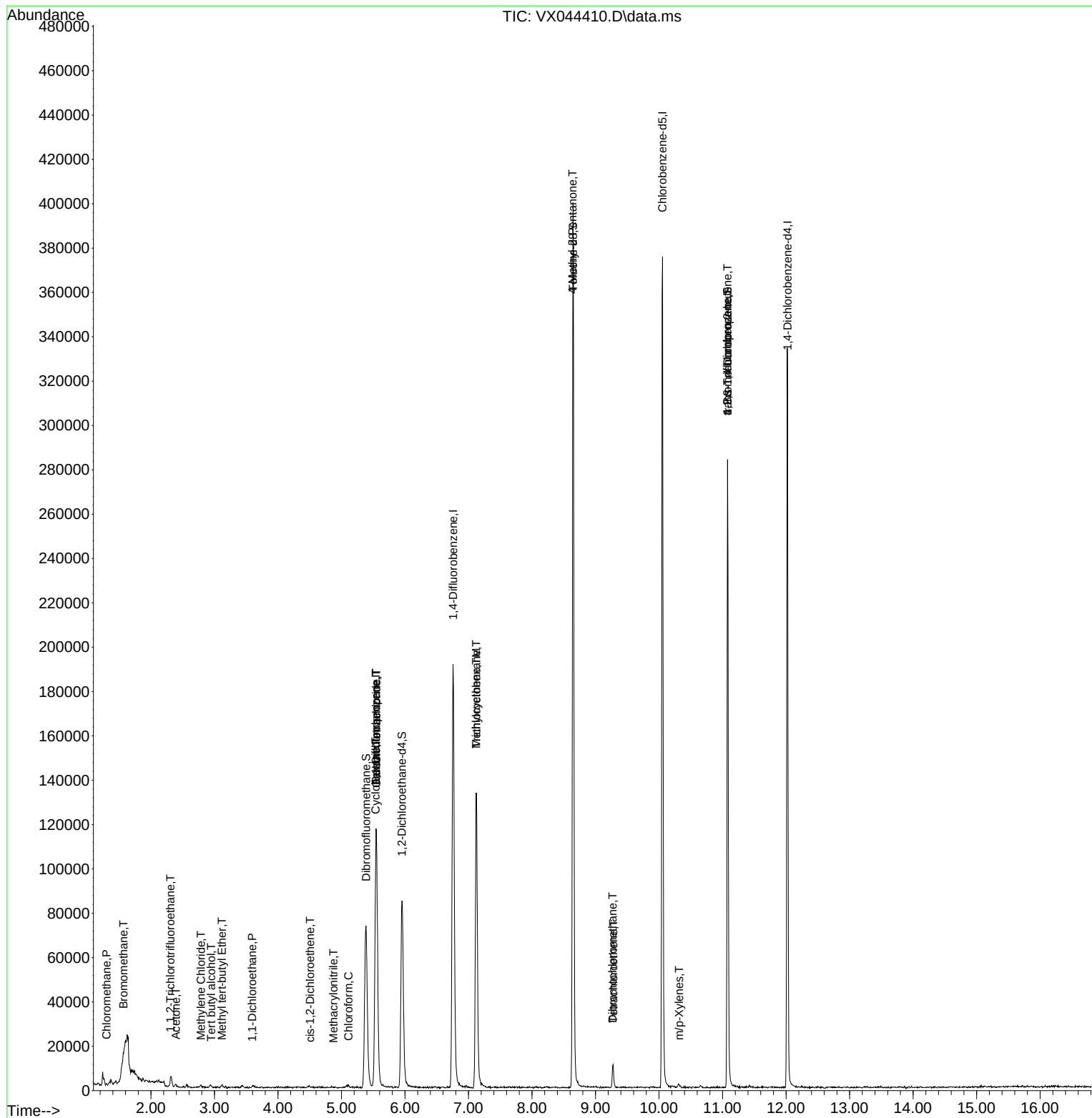
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	106531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	190393	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	168278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	68296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85005	45.510	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.020%
35) Dibromofluoromethane	5.385	113	63211	47.936	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.880%
50) Toluene-d8	8.647	98	234127	52.628	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.260%
62) 4-Bromofluorobenzene	11.079	95	74312	47.805	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	336	0.213	ug/l #	76
5) Bromomethane	1.569	94	376	0.323	ug/l #	3
9) 1,1,2-Trichlorotrifluo...	2.306	101	1648	1.268	ug/l	94
11) Tert butyl alcohol	2.946	59	307	1.166	ug/l #	71
16) Acetone	2.392	43	1149	1.509	ug/l #	69
19) Methyl tert-butyl Ether	3.117	73	1141	0.245	ug/l	97
20) Methylene Chloride	2.788	84	353	0.247	ug/l #	74
24) 1,1-Dichloroethane	3.593	63	1004	0.402	ug/l #	82
27) cis-1,2-Dichloroethene	4.507	96	370	0.230	ug/l	86
30) Chloroform	5.111	83	1442	0.514	ug/l	93
31) Cyclohexane	5.537	56	3159	1.567	ug/l #	41
36) 1,1-Dichloropropene	5.544	75	9156	5.372	ug/l #	46
38) Carbon Tetrachloride	5.550	117	11715	6.384	ug/l #	18
39) Methylcyclohexane	7.123	83	668	0.328	ug/l #	9
41) Methacrylonitrile	4.873	41	252	0.225	ug/l #	23
44) Trichloroethene	7.123	130	50938	39.470	ug/l	99
51) 4-Methyl-2-Pentanone	8.641	43	1205	0.569	ug/l #	1
60) Dibromochloromethane	9.269	129	1915	2.658	ug/l #	11
64) Tetrachloroethene	9.281	164	2089	1.870	ug/l #	82
68) m/p-Xylenes	10.317	106	527	0.231	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	41572	27.262	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	41572	74.983	ug/l #	4

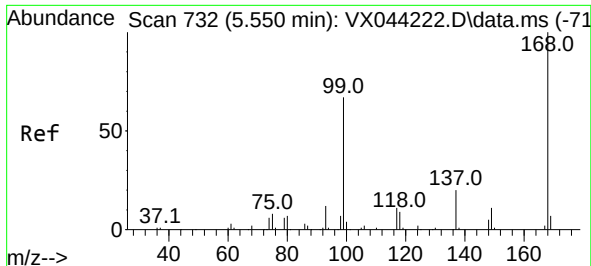
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

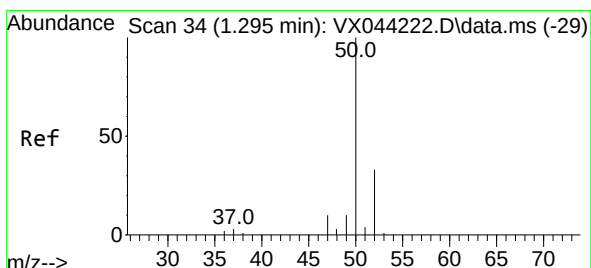
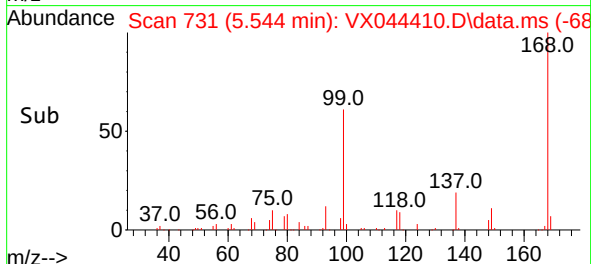
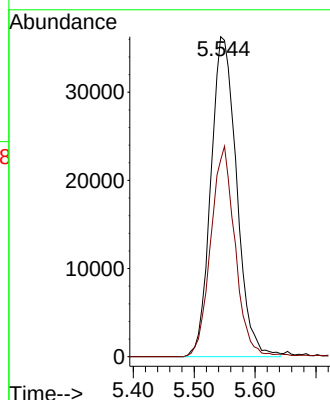
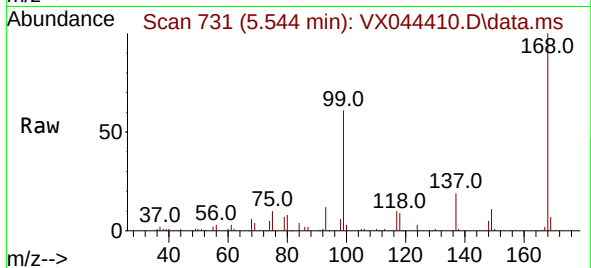




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

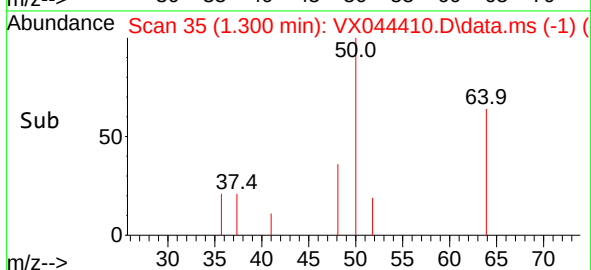
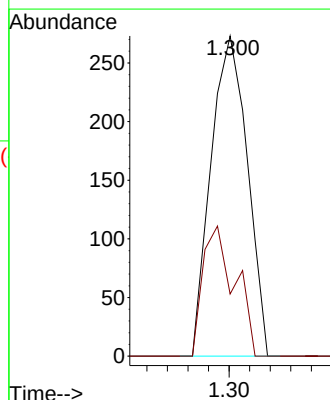
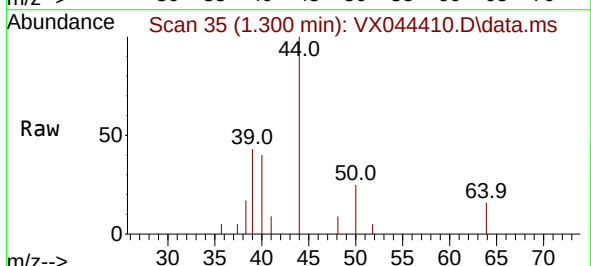
Instrument :
MSVOA_X
ClientSampleId :

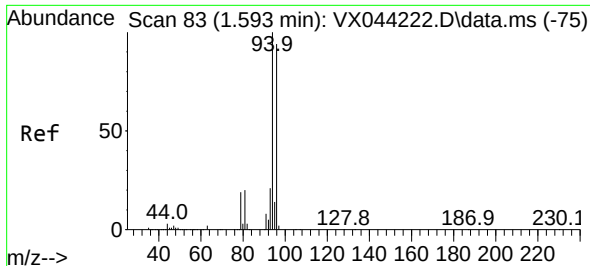
Tgt Ion:168 Resp: 106531
Ion Ratio Lower Upper
168 100
99 61.4 53.4 80.0



#3
Chloromethane
Concen: 0.213 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

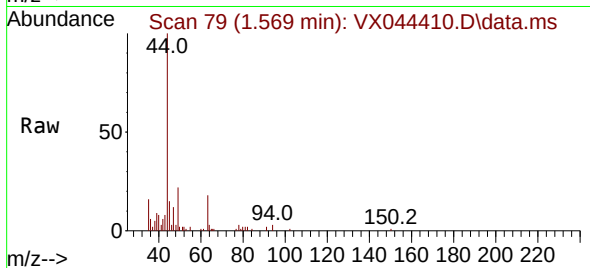
Tgt Ion: 50 Resp: 336
Ion Ratio Lower Upper
50 100
52 19.4 26.5 39.7#



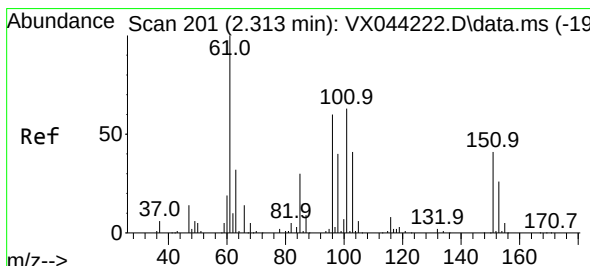
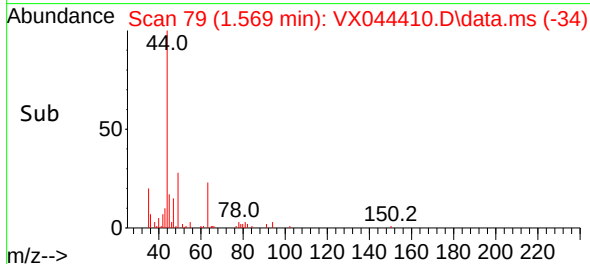
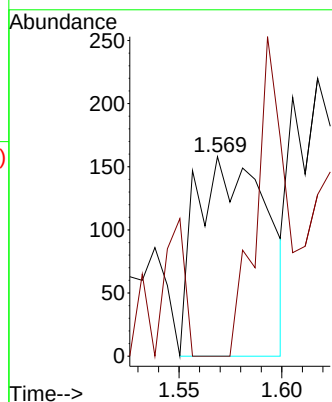


#5
Bromomethane
Concen: 0.323 ug/l
RT: 1.569 min Scan# 79
Delta R.T. -0.025 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

Instrument :
MSVOA_X
ClientSampleId :

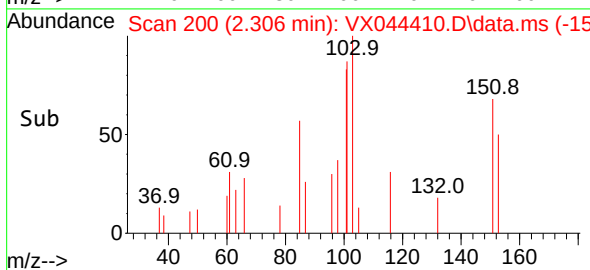
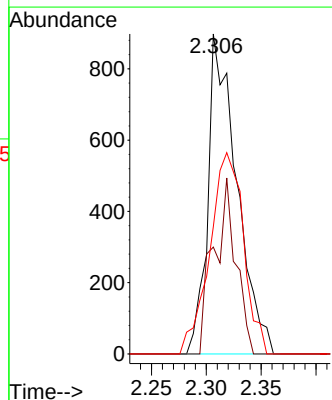
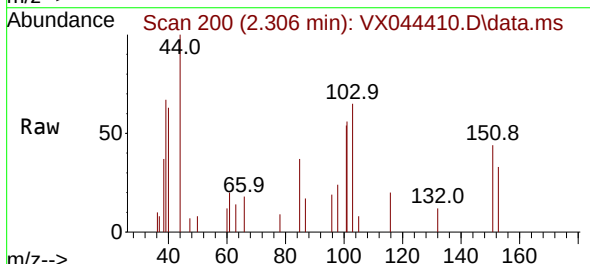


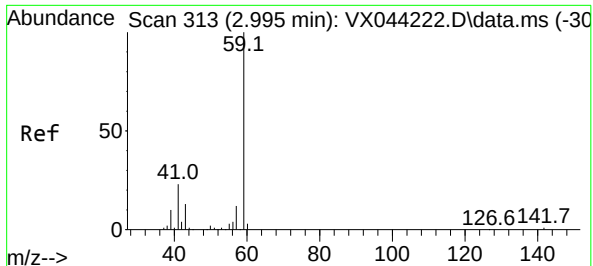
Tgt Ion: 94 Resp: 376
Ion Ratio Lower Upper
94 100
96 0.0 74.9 112.3#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.268 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

Tgt Ion: 101 Resp: 1648
Ion Ratio Lower Upper
101 100
85 42.2 38.5 57.7
151 73.4 55.8 83.6





#11

Tert butyl alcohol

Concen: 1.166 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.049 min

Lab File: VX044410.D

Acq: 19 Dec 2024 03:44

Instrument :

MSVOA_X

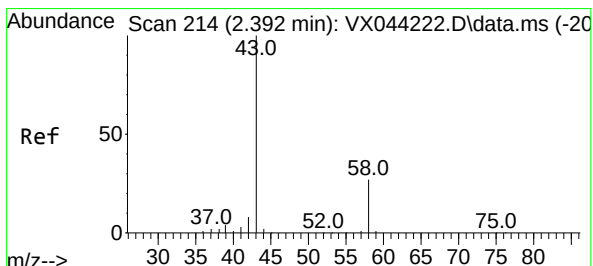
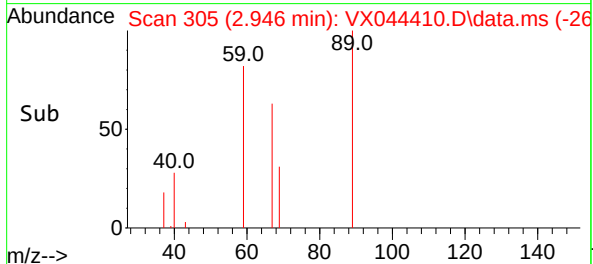
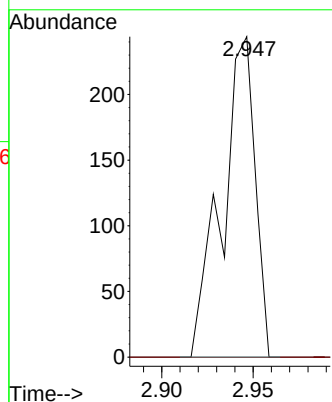
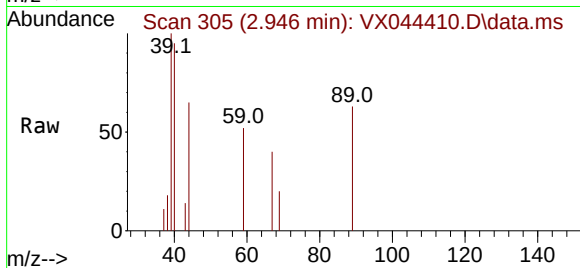
ClientSampleId :

Tgt Ion: 59 Resp: 307

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



#16

Acetone

Concen: 1.509 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX044410.D

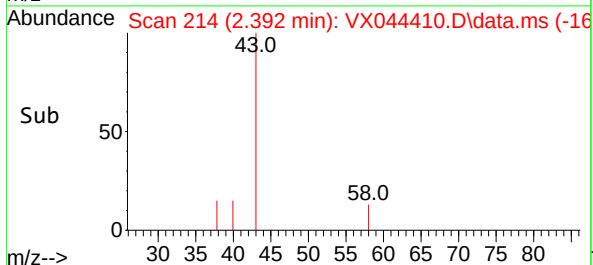
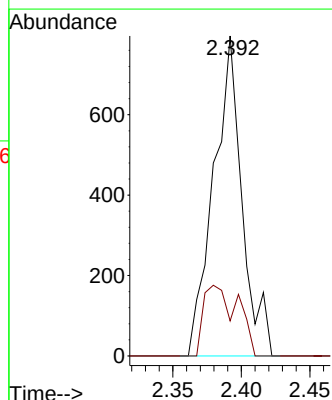
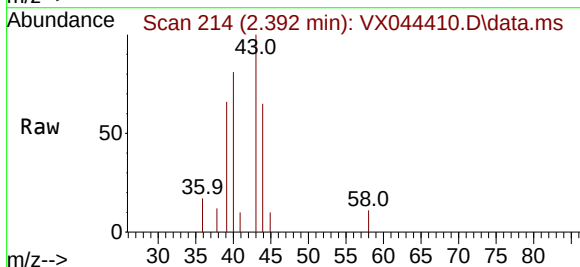
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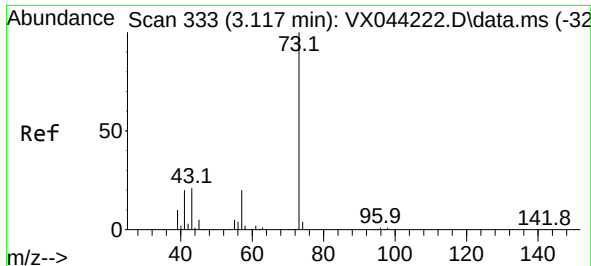
Tgt Ion: 43 Resp: 1149

Ion Ratio Lower Upper

43 100

58 10.9 21.6 32.4#

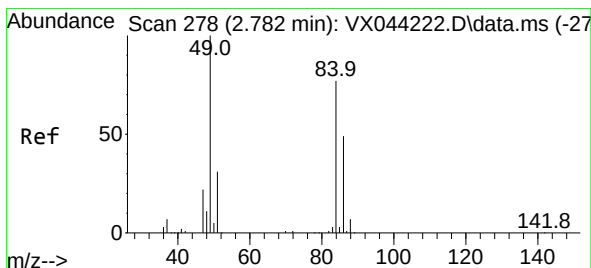
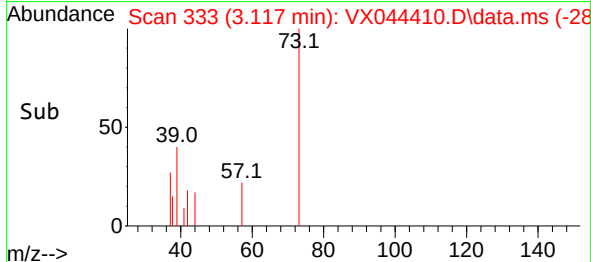
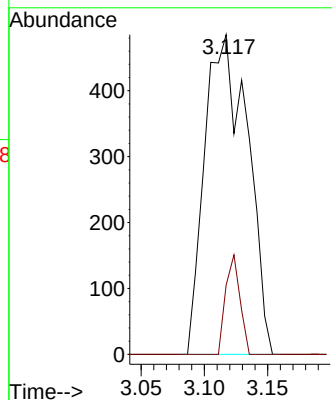
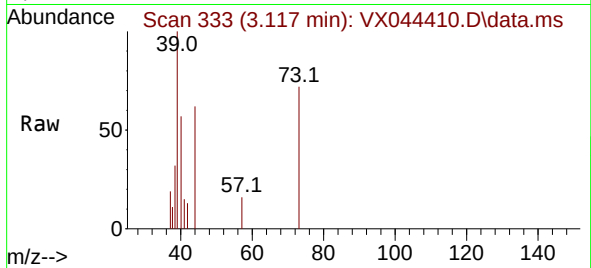




#19
Methyl tert-butyl Ether
Concen: 0.245 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

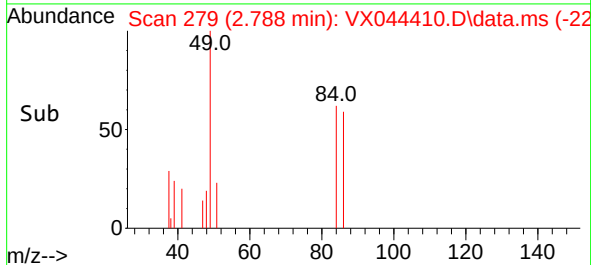
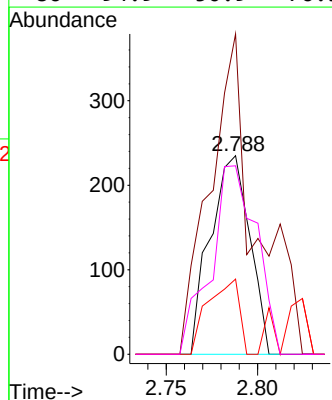
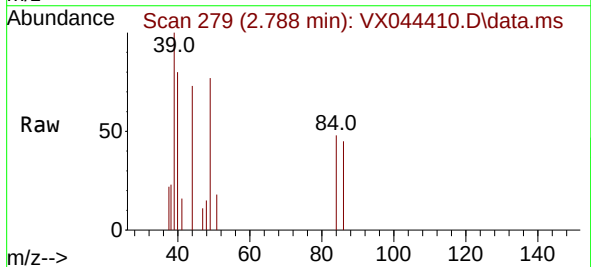
Instrument :
MSVOA_X
ClientSampleId :

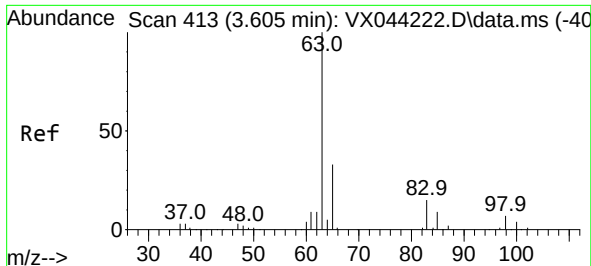
Tgt Ion: 73 Resp: 1141
Ion Ratio Lower Upper
73 100
57 21.6 16.2 24.4



#20
Methylene Chloride
Concen: 0.247 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

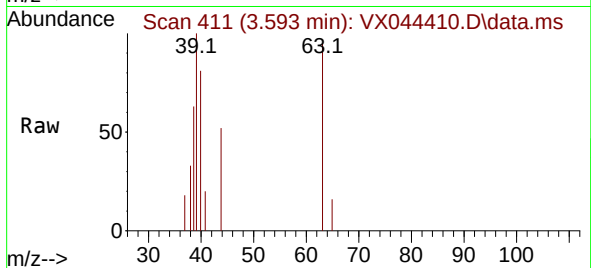
Tgt Ion: 84 Resp: 353
Ion Ratio Lower Upper
84 100
49 161.3 104.2 156.4#
51 37.9 32.2 48.4
86 94.9 50.9 76.3#



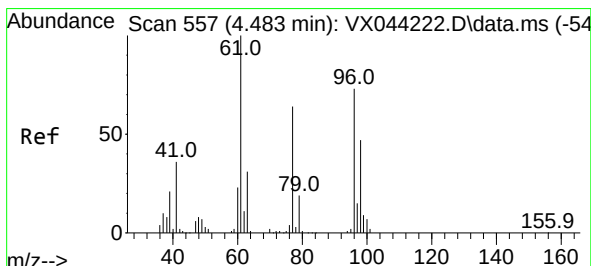
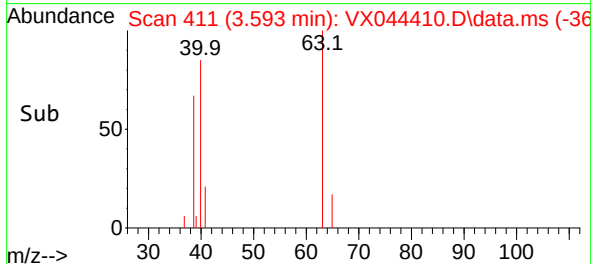
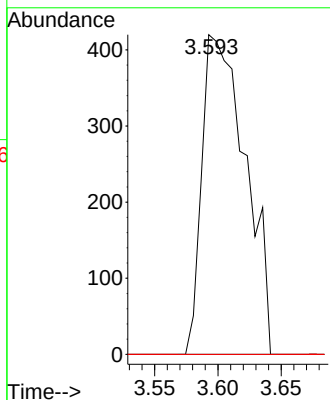


#24
 1,1-Dichloroethane
 Concen: 0.402 ug/l
 RT: 3.593 min Scan# 41
 Delta R.T. -0.012 min
 Lab File: VX044410.D
 Acq: 19 Dec 2024 03:44

Instrument :
 MSVOA_X
 ClientSampleId :

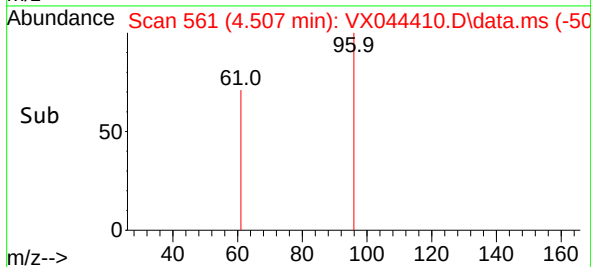
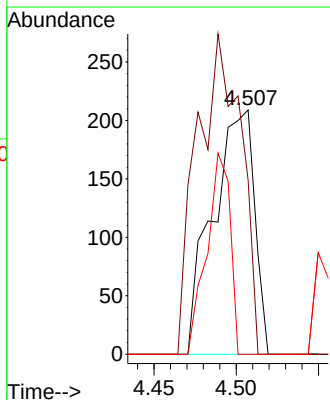
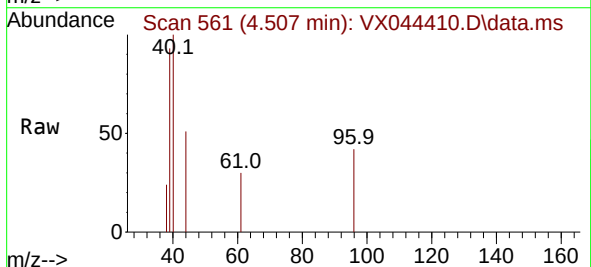


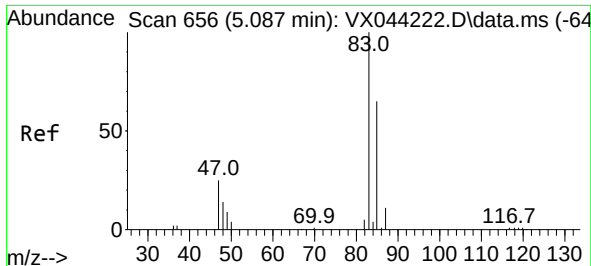
Tgt Ion: 63 Resp: 1004
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.6 10.8#
 100 0.0 2.1 6.3#



#27
 cis-1,2-Dichloroethene
 Concen: 0.230 ug/l
 RT: 4.507 min Scan# 561
 Delta R.T. 0.024 min
 Lab File: VX044410.D
 Acq: 19 Dec 2024 03:44

Tgt Ion: 96 Resp: 370
 Ion Ratio Lower Upper
 96 100
 61 136.8 0.0 299.0
 98 45.9 0.0 129.0





#30

Chloroform

Concen: 0.514 ug/l

RT: 5.111 min Scan# 6

Delta R.T. 0.024 min

Lab File: VX044410.D

Acq: 19 Dec 2024 03:44

Instrument :

MSVOA_X

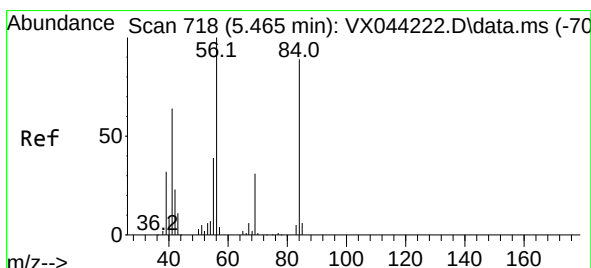
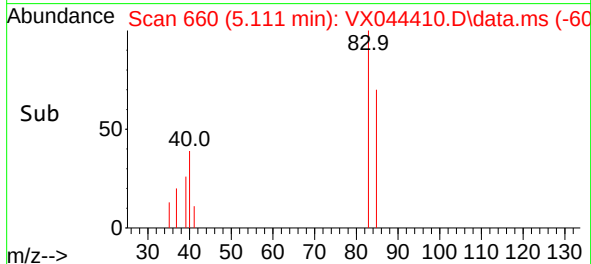
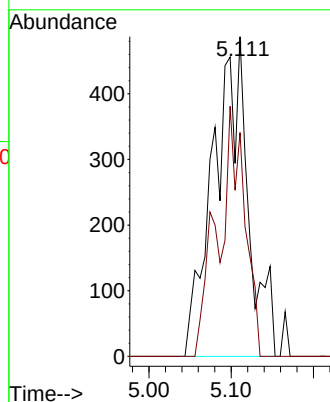
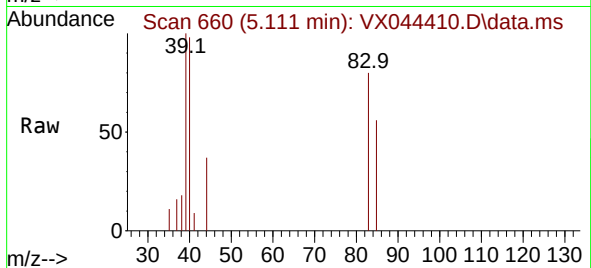
ClientSampleId :

Tgt Ion: 83 Resp: 1442

Ion Ratio Lower Upper

83 100

85 70.0 51.6 77.4



#31

Cyclohexane

Concen: 1.567 ug/l

RT: 5.537 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX044410.D

Acq: 19 Dec 2024 03:44

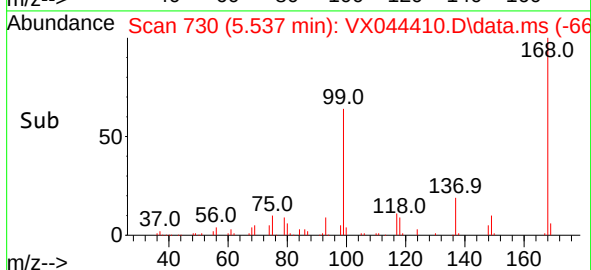
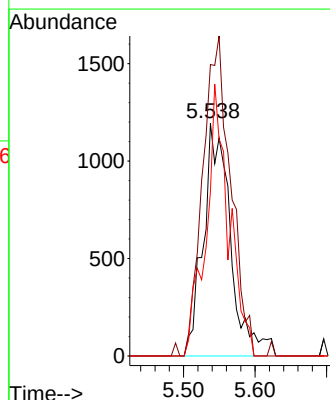
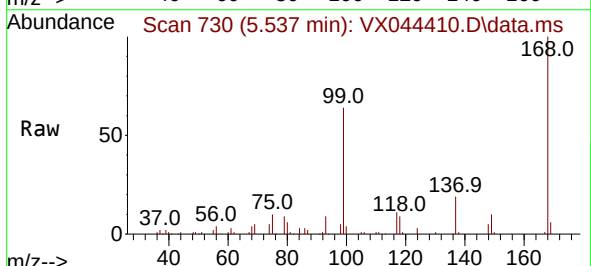
Tgt Ion: 56 Resp: 3159

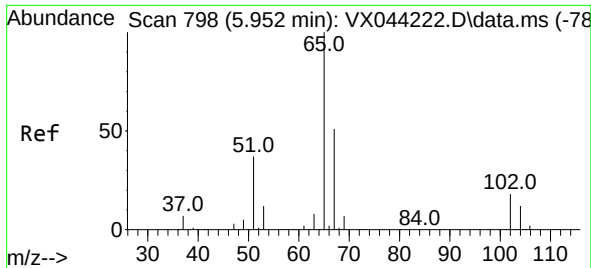
Ion Ratio Lower Upper

56 100

69 125.2 24.7 37.1#

84 70.8 71.0 106.6#

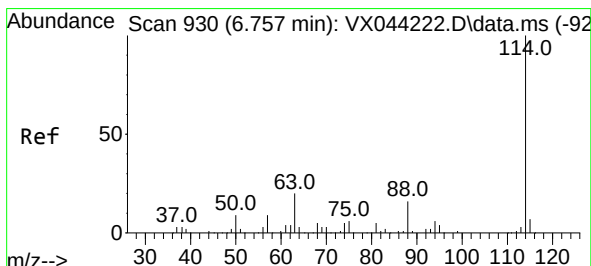
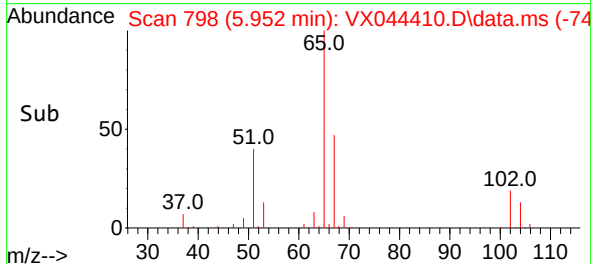
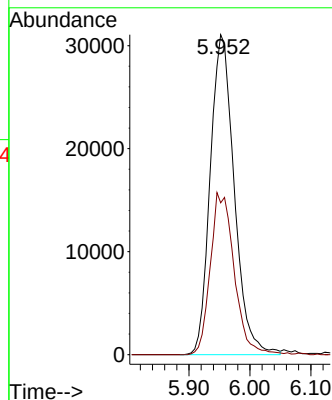
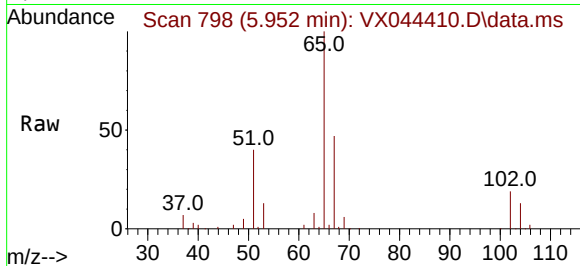




#33
 1,2-Dichloroethane-d4
 Concen: 45.510 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX044410.D
 Acq: 19 Dec 2024 03:44

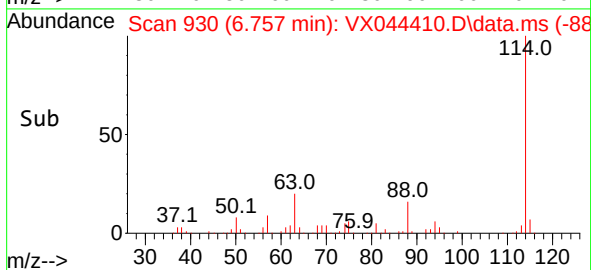
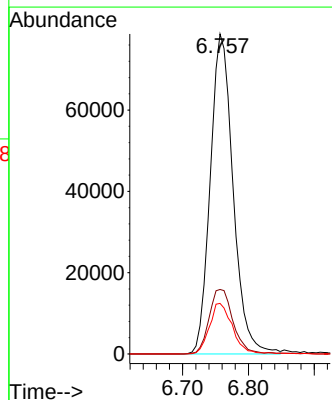
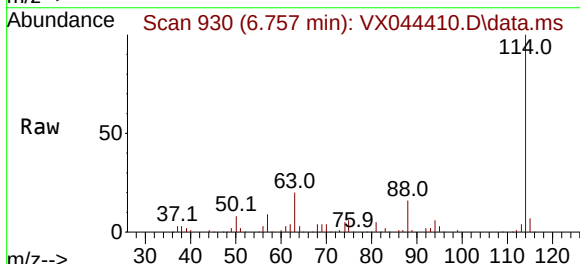
Instrument :
 MSVOA_X
 ClientSampleId :

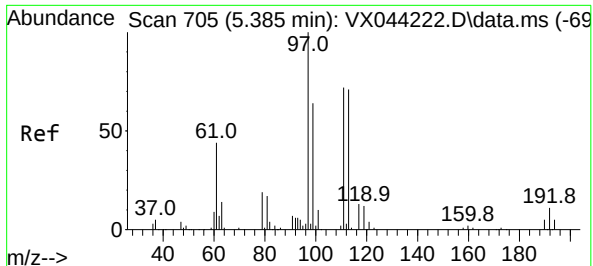
Tgt Ion: 65 Resp: 85005
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX044410.D
 Acq: 19 Dec 2024 03:44

Tgt Ion: 114 Resp: 190393
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.6
 88 15.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.936 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX044410.D

Acq: 19 Dec 2024 03:44

Instrument :

MSVOA_X

ClientSampleId :

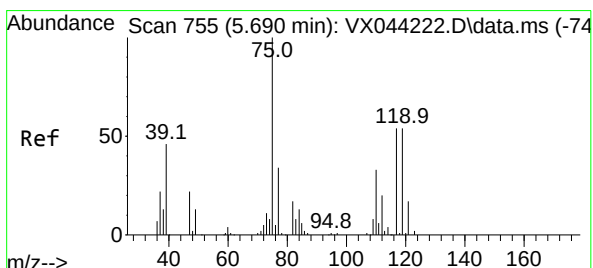
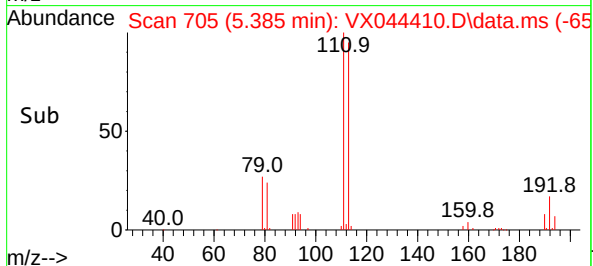
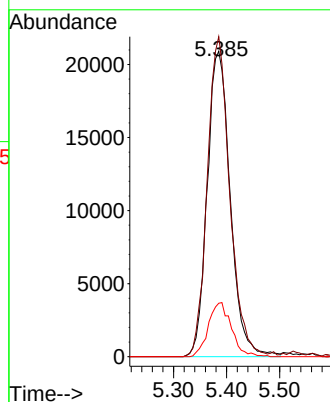
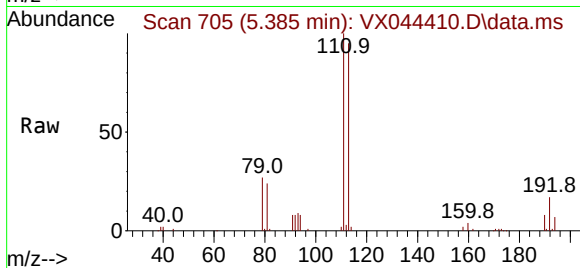
Tgt Ion:113 Resp: 63211

Ion Ratio Lower Upper

113 100

111 102.2 80.4 120.6

192 17.7 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.372 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX044410.D

Acq: 19 Dec 2024 03:44

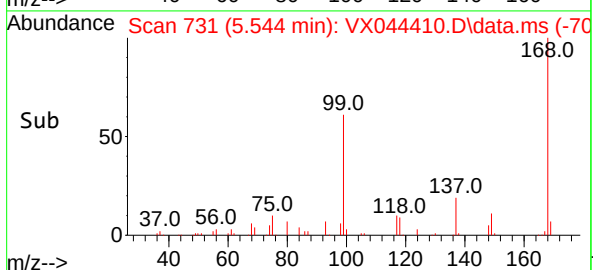
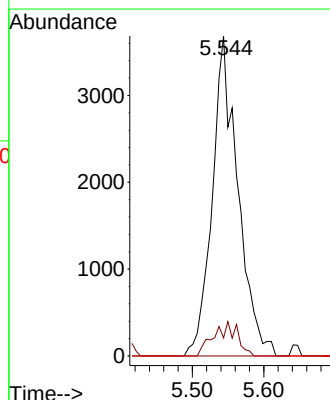
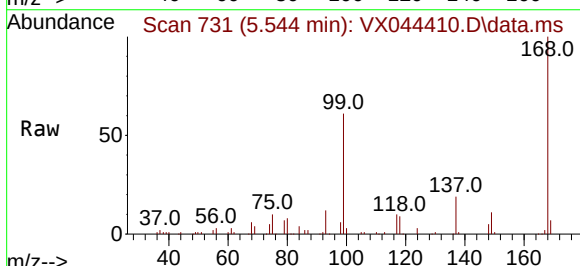
Tgt Ion: 75 Resp: 9156

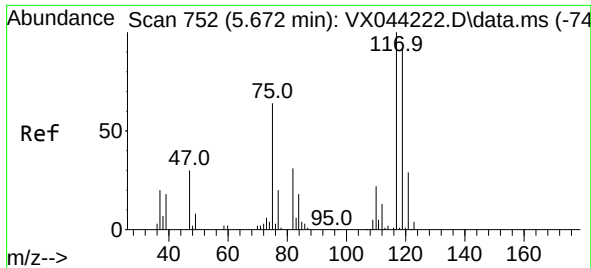
Ion Ratio Lower Upper

75 100

110 4.9 17.3 51.7#

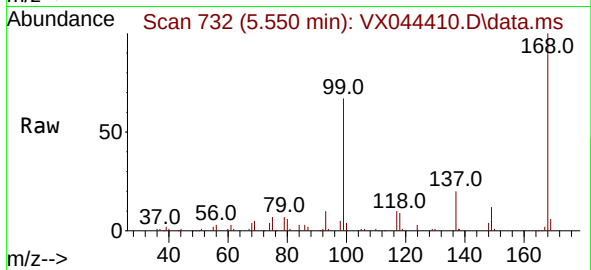
77 0.0 25.4 38.0#



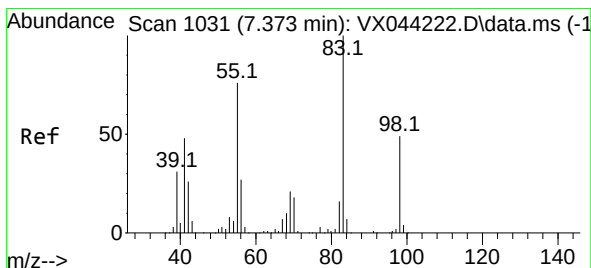
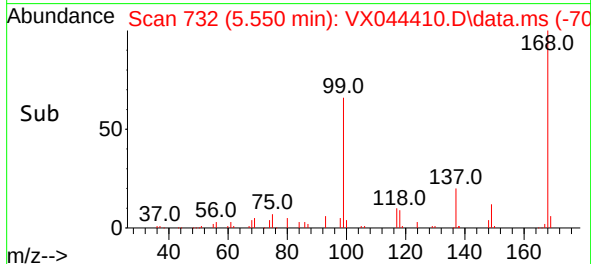
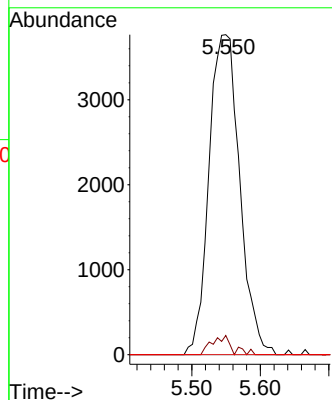


#38
Carbon Tetrachloride
Concen: 6.384 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

Instrument :
MSVOA_X
ClientSampleId :

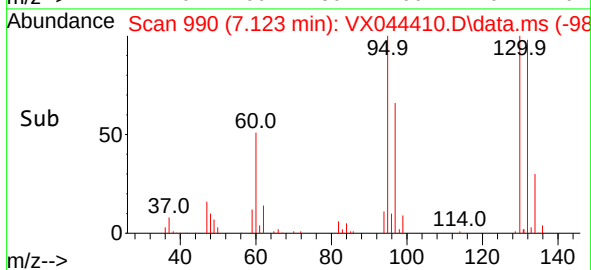
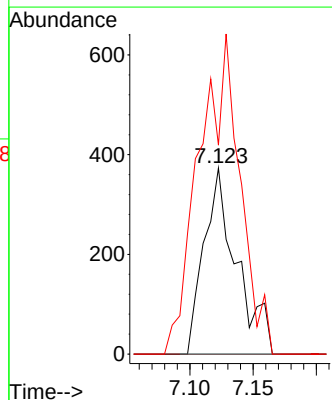
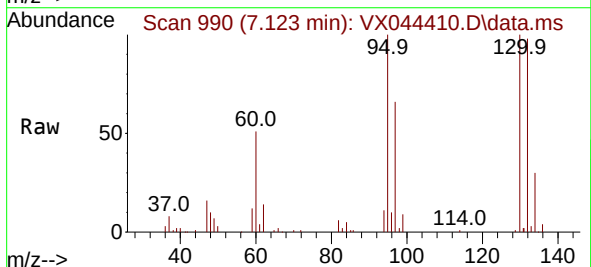


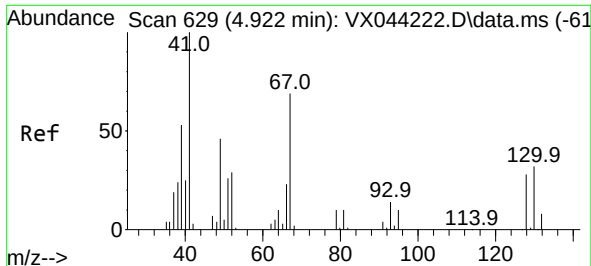
Tgt Ion:117 Resp: 11715
Ion Ratio Lower Upper
117 100
119 6.0 74.2 111.4#
121 0.0 23.0 34.6#



#39
Methylcyclohexane
Concen: 0.328 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

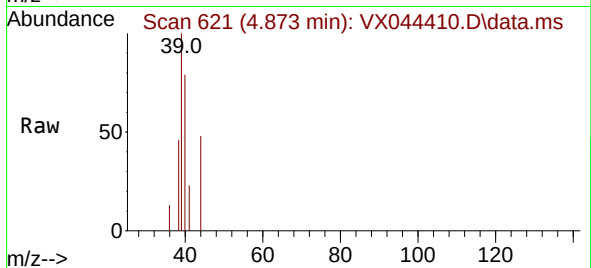
Tgt Ion: 83 Resp: 668
Ion Ratio Lower Upper
83 100
55 0.0 60.7 91.1#
98 112.3 38.9 58.3#



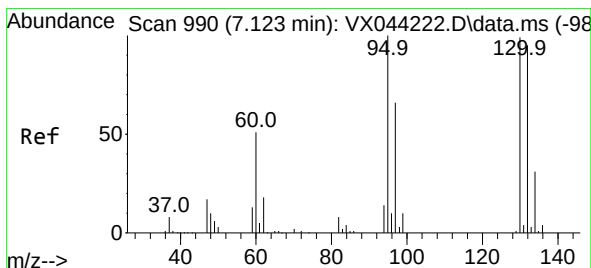
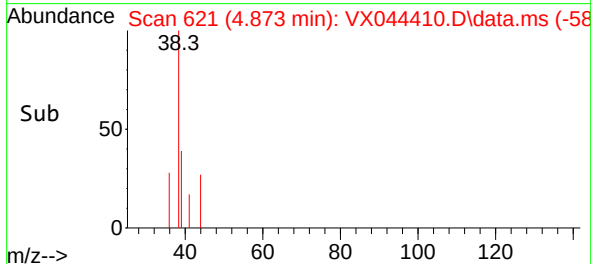
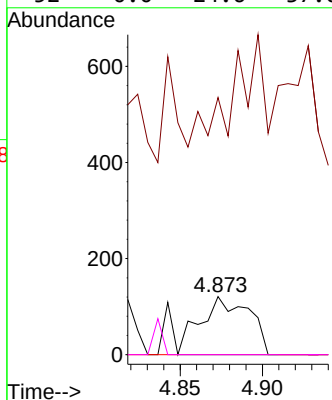


#41
Methacrylonitrile
Concen: 0.225 ug/l
RT: 4.873 min Scan# 61
Delta R.T. -0.049 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

Instrument :
MSVOA_X
ClientSampleId :

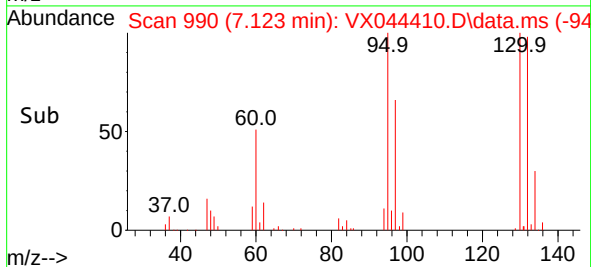
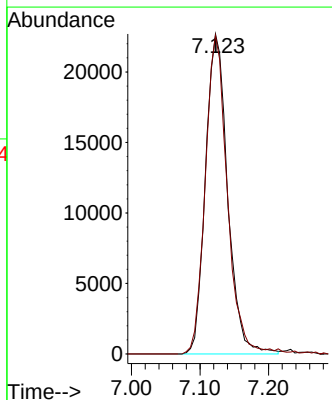
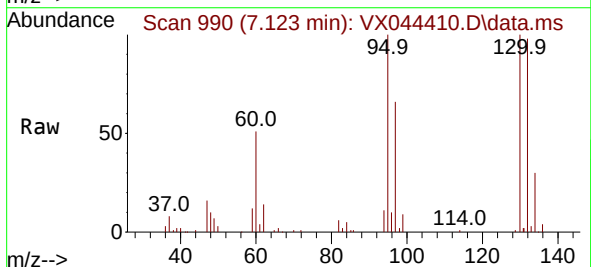


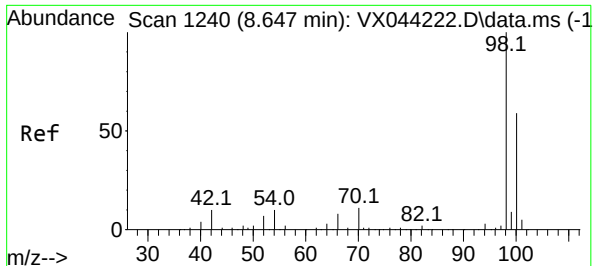
Tgt Ion: 41	Resp: 252
Ion Ratio	Lower Upper
41 100	
39 0.0	44.2 66.4#
67 0.0	57.2 85.8#
52 0.0	24.6 37.0#



#44
Trichloroethene
Concen: 39.470 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

Tgt Ion:130	Resp:	50938	
Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	201.4





#50

Toluene-d8

Concen: 52.628 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX044410.D

Acq: 19 Dec 2024 03:44

Instrument :

MSVOA_X

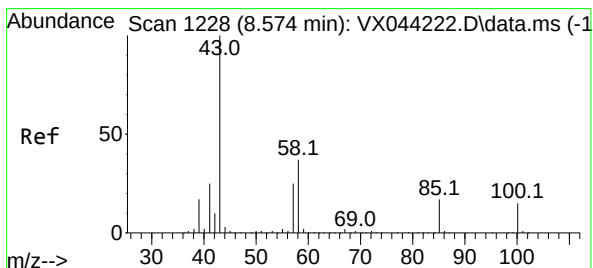
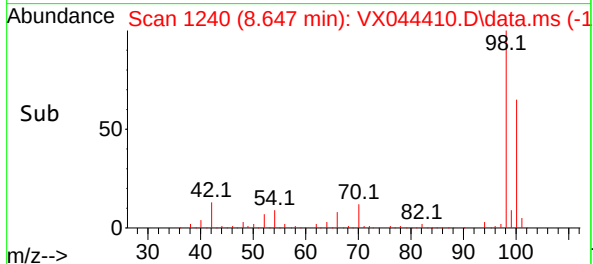
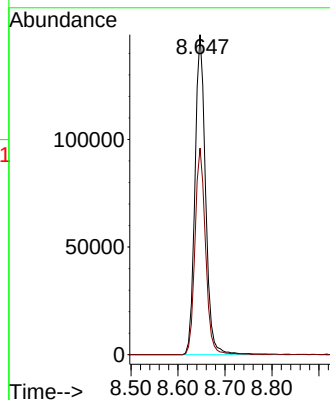
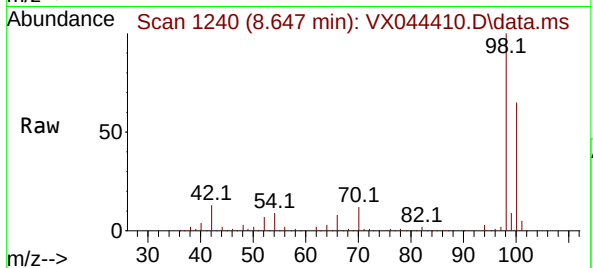
ClientSampleId :

Tgt Ion: 98 Resp: 234127

Ion Ratio Lower Upper

98 100

100 64.4 51.5 77.3



#51

4-Methyl-2-Pentanone

Concen: 0.569 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.067 min

Lab File: VX044410.D

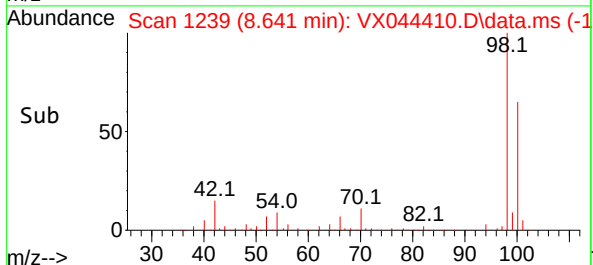
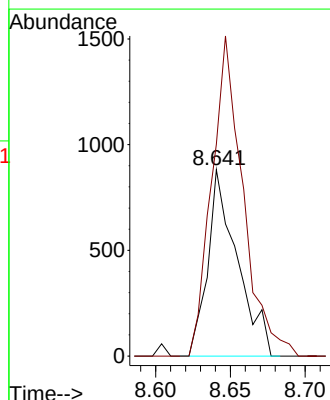
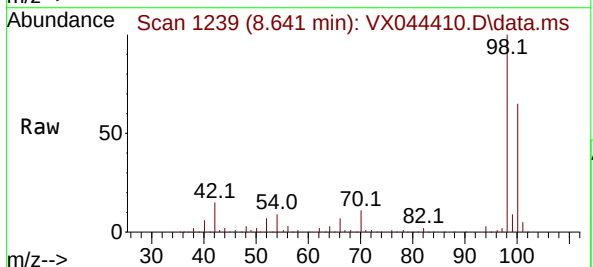
Acq: 19 Dec 2024 03:44

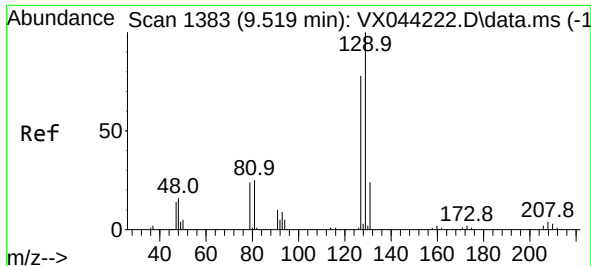
Tgt Ion: 43 Resp: 1205

Ion Ratio Lower Upper

43 100

58 183.0 29.4 44.0#

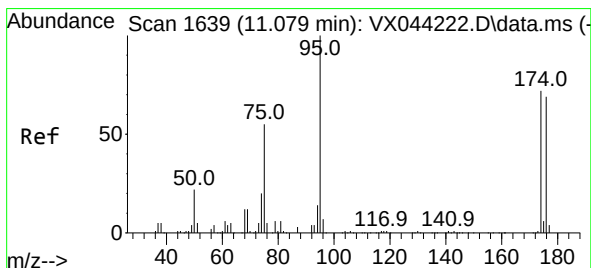
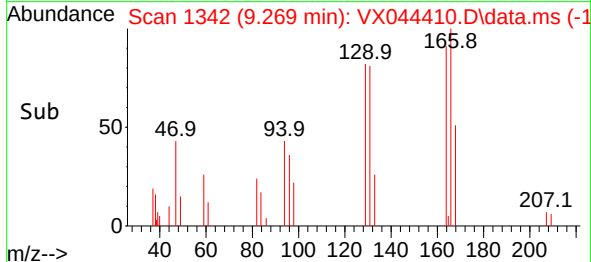
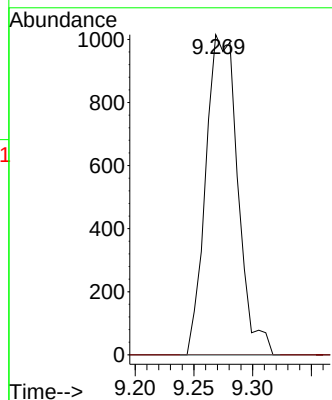
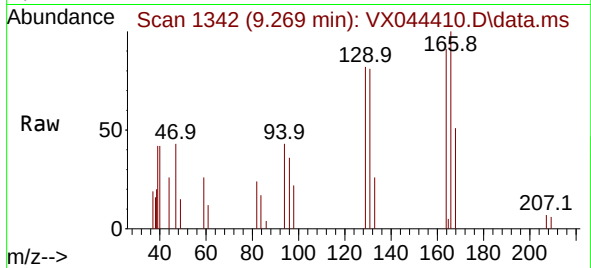




#60
Dibromochloromethane
Concen: 2.658 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.250 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

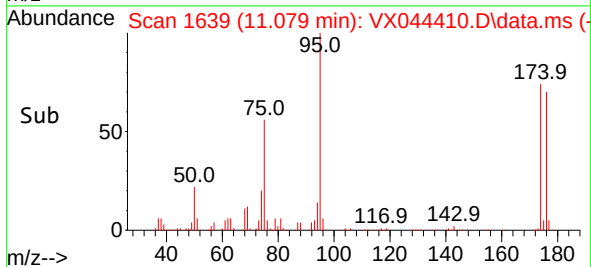
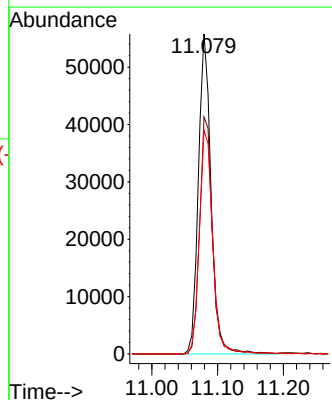
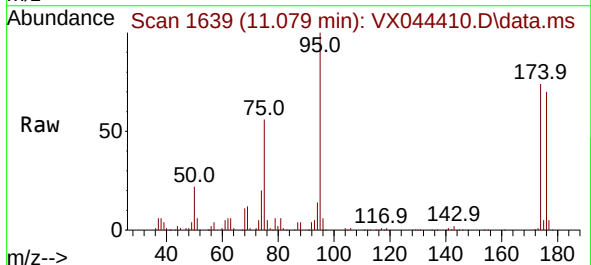
Instrument :
MSVOA_X
ClientSampleId :

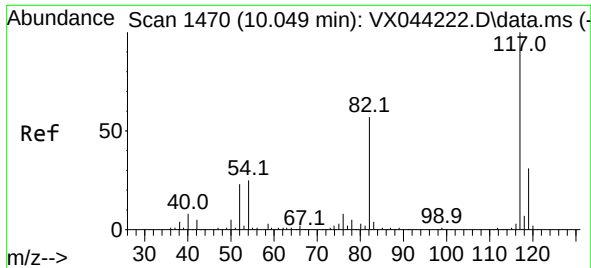
Tgt Ion:129 Resp: 1915
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 47.805 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

Tgt Ion: 95 Resp: 74312
Ion Ratio Lower Upper
95 100
174 76.1 0.0 145.8
176 72.9 0.0 137.8

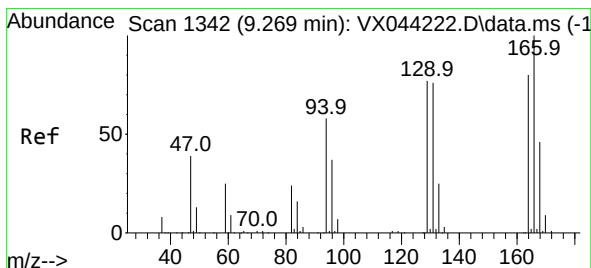
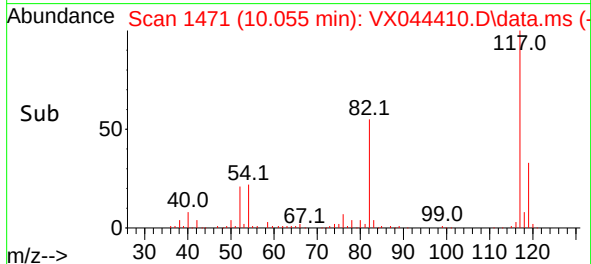
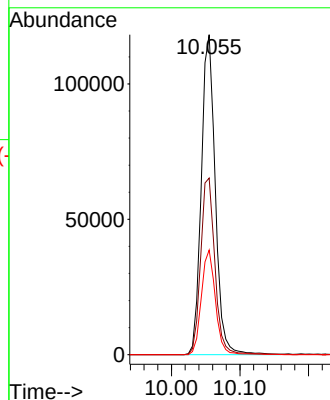
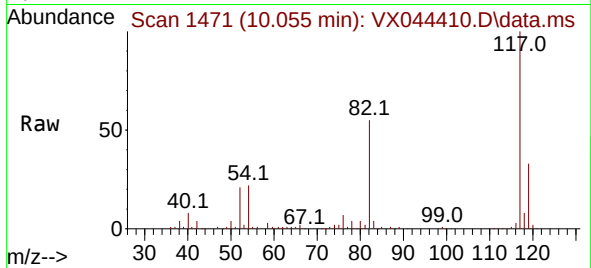




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

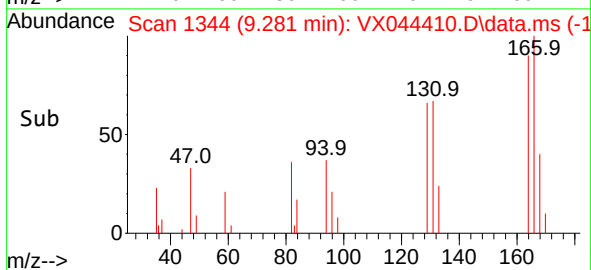
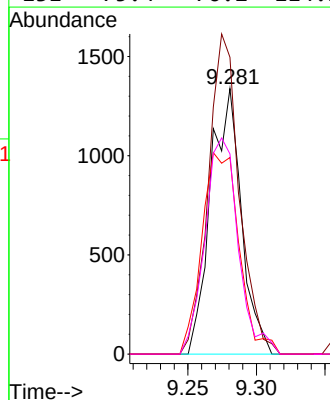
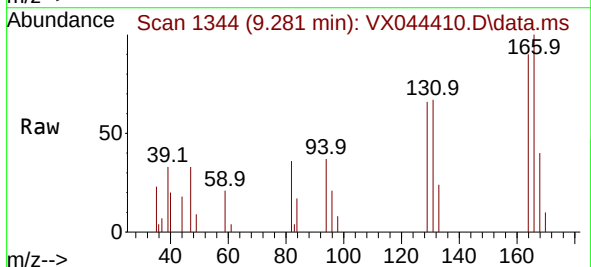
Instrument :
MSVOA_X
ClientSampleId :

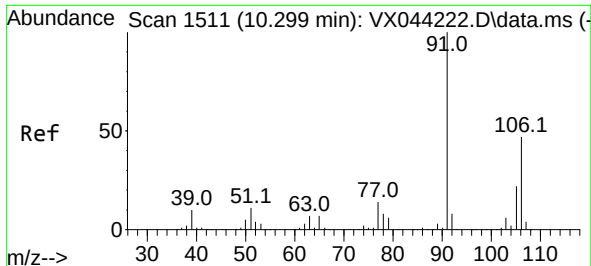
Tgt Ion:117 Resp: 168278
Ion Ratio Lower Upper
117 100
82 55.2 45.8 68.8
119 32.7 25.0 37.4



#64
Tetrachloroethene
Concen: 1.870 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.012 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

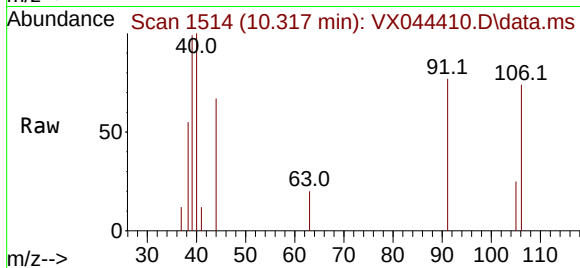
Tgt Ion:164 Resp: 2089
Ion Ratio Lower Upper
164 100
166 111.7 100.4 150.6
129 74.0 77.2 115.8#
131 75.4 76.2 114.2#



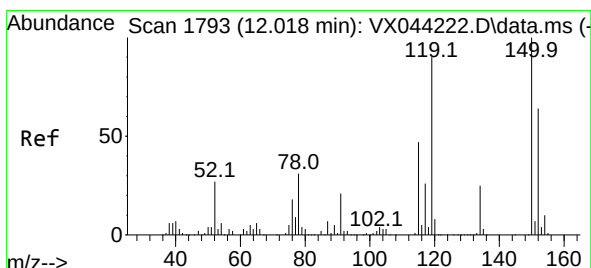
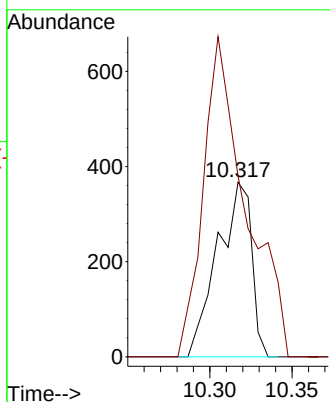
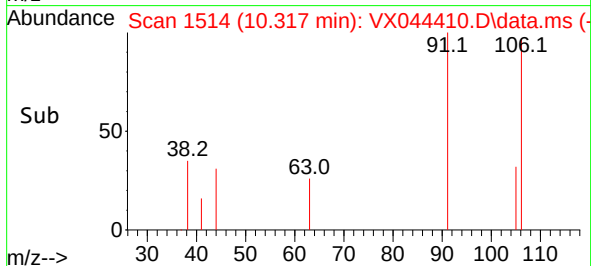


#68
m/p-Xylenes
Concen: 0.231 ug/l
RT: 10.317 min Scan# 1514
Delta R.T. 0.018 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

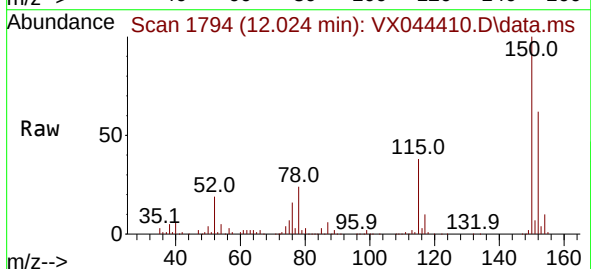
Instrument :
MSVOA_X
ClientSampleId :



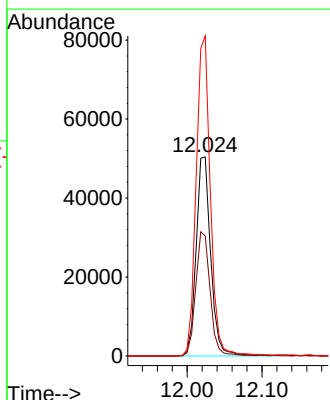
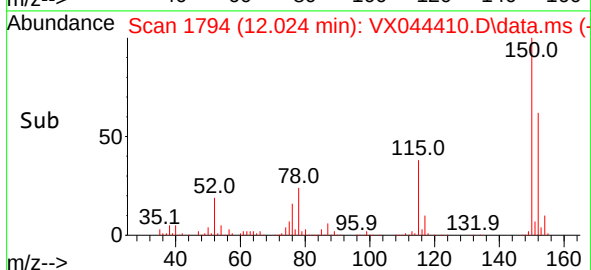
Tgt Ion:106 Resp: 527
Ion Ratio Lower Upper
106 100
91 227.5 170.2 255.2

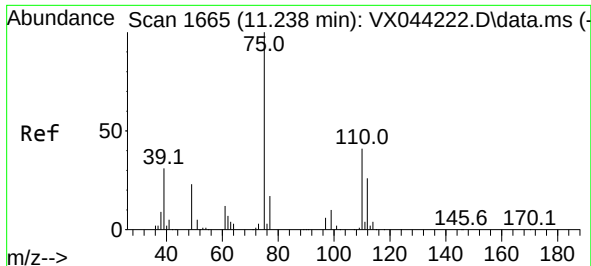


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44



Tgt Ion:152 Resp: 68296
Ion Ratio Lower Upper
152 100
115 61.5 44.5 133.3
150 156.8 0.0 353.8

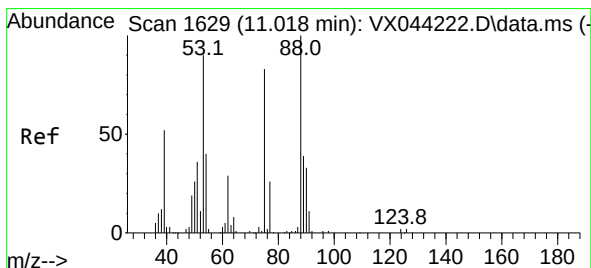
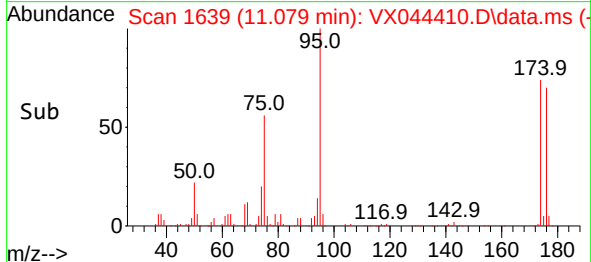
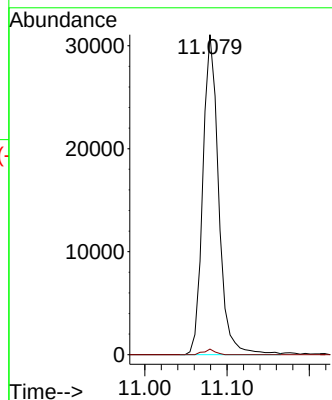
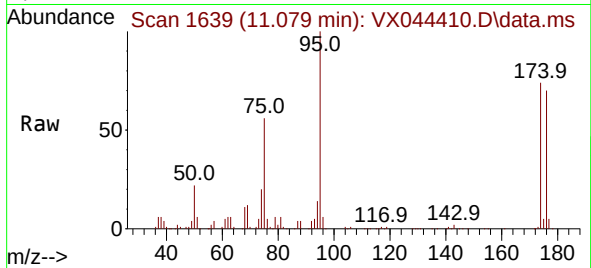




#76
1,2,3-Trichloropropane
Concen: 27.262 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 41572
Ion Ratio Lower Upper
75 100
77 1.2 20.9 62.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.983 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044410.D
Acq: 19 Dec 2024 03:44

Tgt Ion: 75 Resp: 41572
Ion Ratio Lower Upper
75 100
53 0.0 93.6 140.4#
89 0.0 37.3 55.9#

