

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092121\
 Data File : VX024410.D
 Acq On : 22 Sep 2021 01:50
 Operator : JC/MD
 Sample : M3833-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D1-20210918

Quant Time: Oct 01 04:12:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 21 10:52:48 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	121622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	209613	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	198274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81098	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	92704	53.454	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.900%	
35) Dibromofluoromethane	5.397	113	71964	51.192	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.380%	
50) Toluene-d8	8.653	98	257651	50.312	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.620%	
62) 4-Bromofluorobenzene	11.085	95	88978	44.646	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 89.300%	

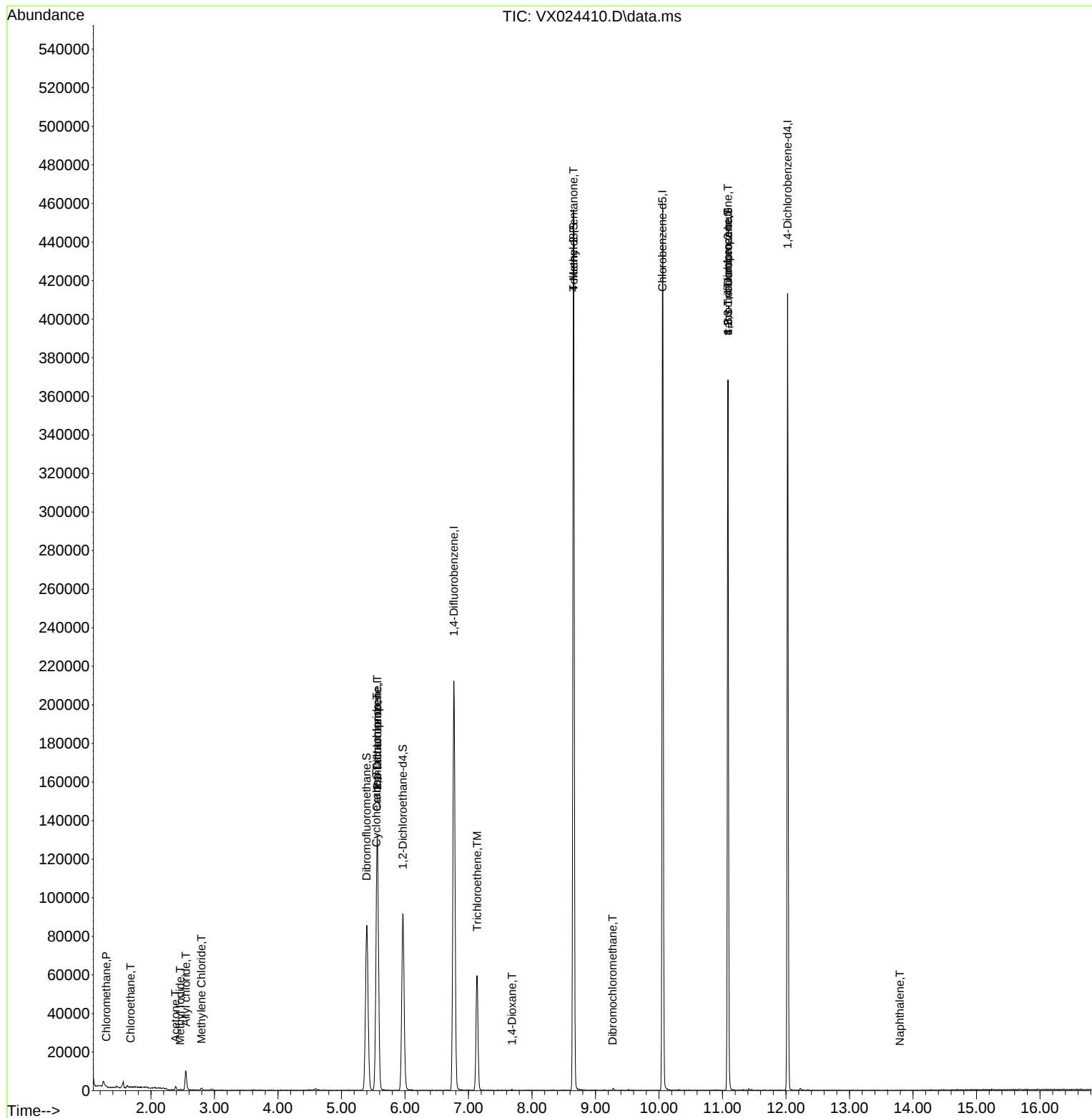
Target Compounds			Qvalue			
3) Chloromethane	1.295	50	391	0.320	ug/l #	87
6) Chloroethane	1.679	64	206	0.257	ug/l #	43
10) Methyl Iodide	2.459	142	564	0.340	ug/l #	89
11) Tert butyl alcohol	2.959	59	353	Below Cal	#	73
14) Allyl chloride	2.550	41	980	0.481	ug/l #	24
16) Acetone	2.386	43	1781	2.408	ug/l #	87
20) Methylene Chloride	2.794	84	544	0.383	ug/l #	80
31) Cyclohexane	5.550	56	2811	1.386	ug/l #	50
36) 1,1-Dichloropropene	5.562	75	9419	4.887	ug/l #	50
38) Carbon Tetrachloride	5.556	117	13026	6.005	ug/l #	15
44) Trichloroethene	7.135	130	22697	14.615	ug/l	99
49) 1,4-Dioxane	7.684	88	219	5.864	ug/l #	59
51) 4-Methyl-2-Pentanone	8.653	43	1290	0.566	ug/l #	1
60) Dibromochloromethane	9.269	129	131	1.798	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	49541	26.567	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	49541	78.133	ug/l #	12
95) Naphthalene	13.792	128	20	1.290	ug/l #	69

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

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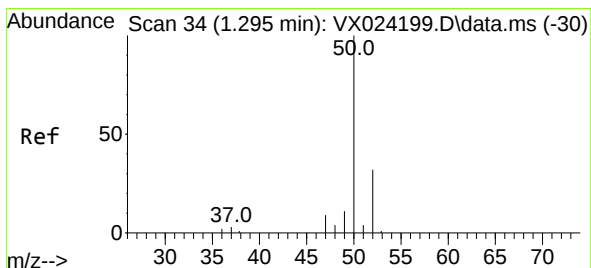
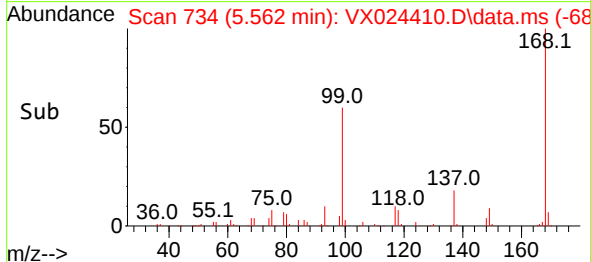
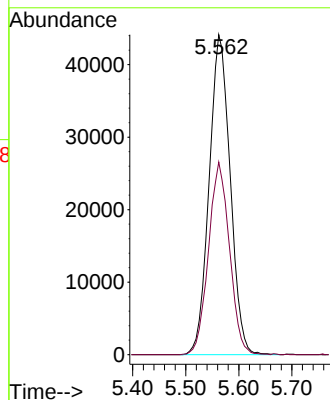
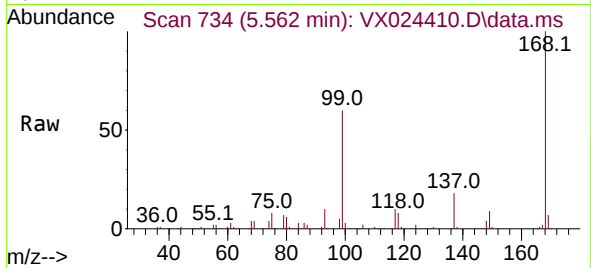




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024410.D
Acq: 22 Sep 2021 01:50

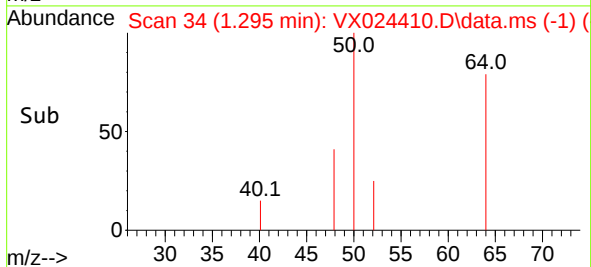
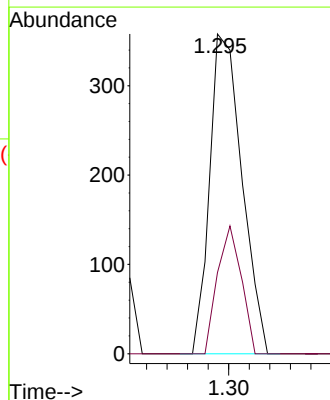
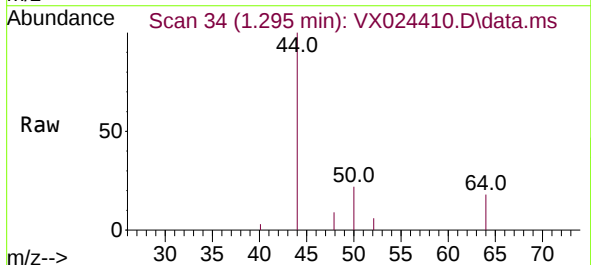
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MSVOA_X
ClientSampleId :
RE123D1-20210918

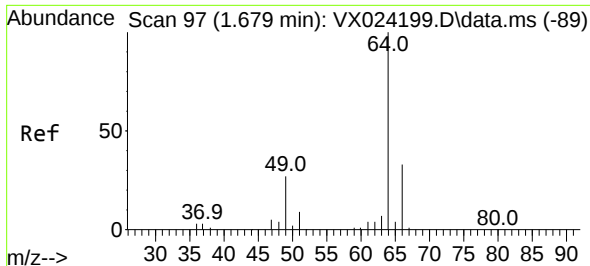
Tgt Ion:168 Resp: 121622
Ion Ratio Lower Upper
168 100
99 60.2 45.8 68.6



#3
Chloromethane
Concen: 0.320 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX024410.D
Acq: 22 Sep 2021 01:50

Tgt Ion: 50 Resp: 391
Ion Ratio Lower Upper
50 100
52 25.4 26.4 39.6#

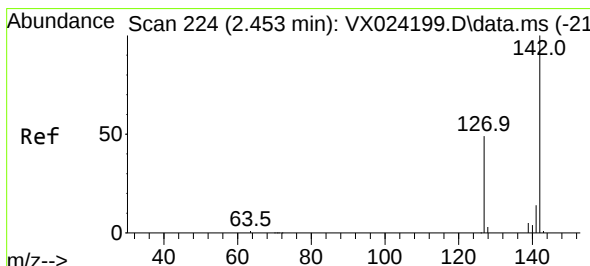
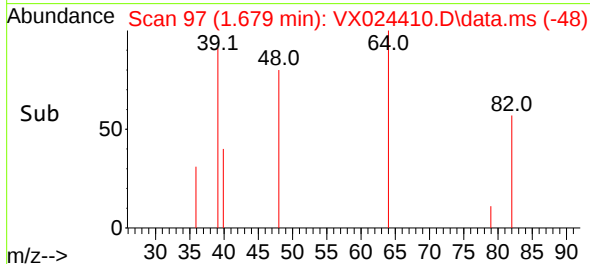
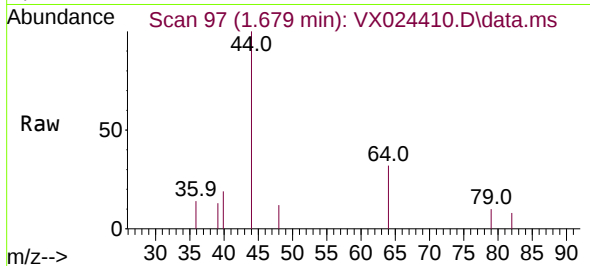




#6
Chloroethane
Concen: 0.257 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.000 min
Lab File: VX024410.D
Acq: 22 Sep 2021 01:50

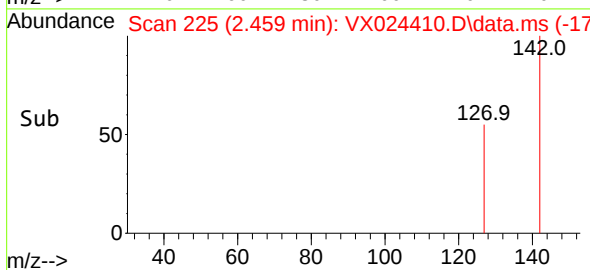
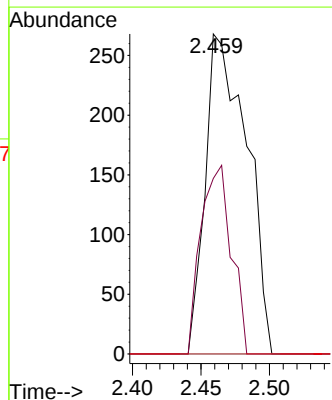
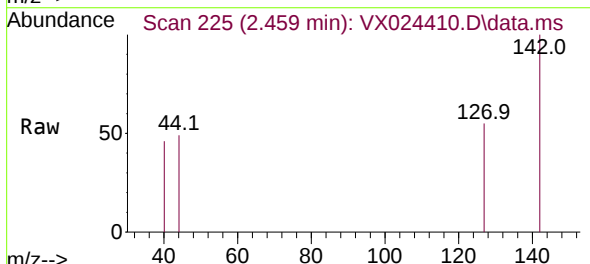
Instrument :
MSVOA_X
ClientSampleId :
RE123D1-20210918

Tgt Ion: 64 Resp: 206
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.340 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX024410.D
Acq: 22 Sep 2021 01:50

Tgt Ion: 142 Resp: 564
Ion Ratio Lower Upper
142 100
127 43.3 33.3 49.9
141 0.0 11.4 17.0#



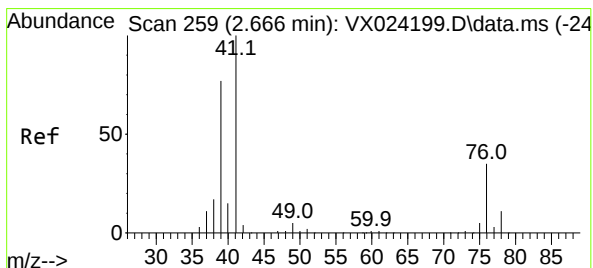
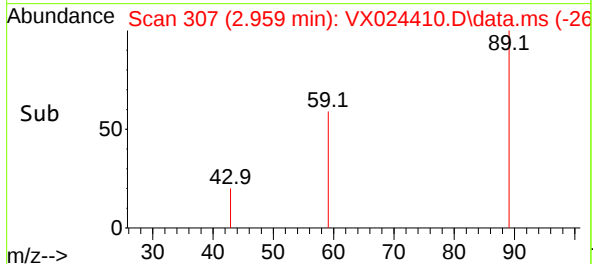
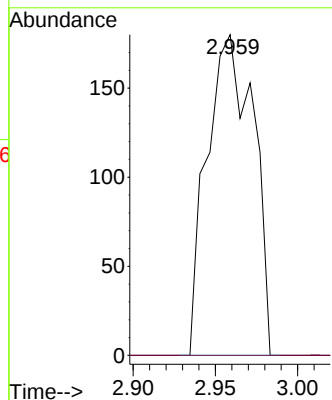
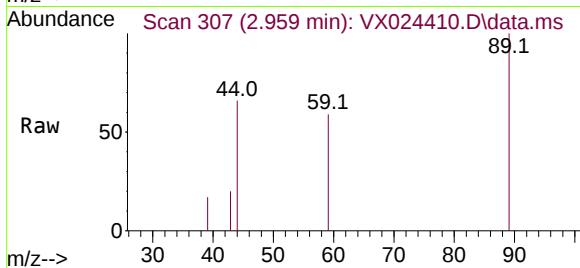


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX024410.D
Acq: 22 Sep 2021 01:50

Instrument :
MSVOA_X
ClientSampleId :
RE123D1-20210918

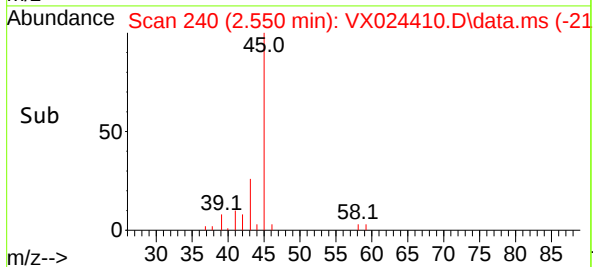
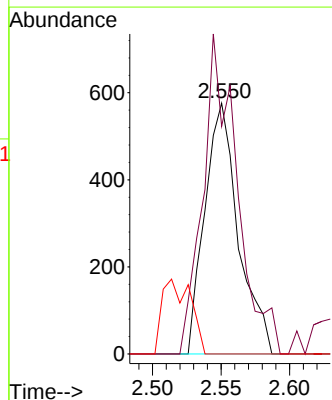
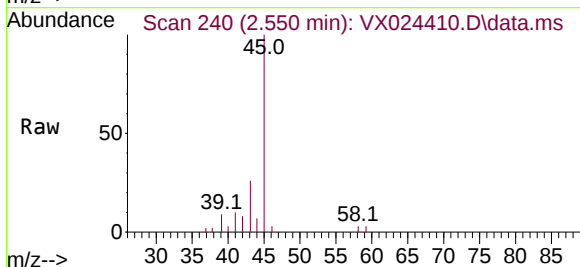
Tgt Ion: 59 Resp: 353
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

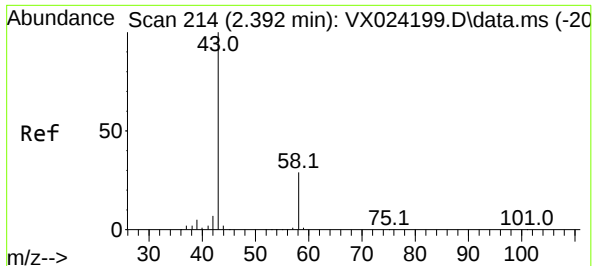


#14

Allyl chloride
Concen: 0.481 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.116 min
Lab File: VX024410.D
Acq: 22 Sep 2021 01:50

Tgt Ion: 41 Resp: 980
Ion Ratio Lower Upper
41 100
39 129.9 51.6 77.4#
76 0.0 30.5 45.7#

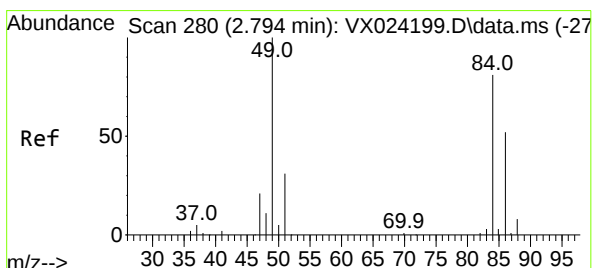
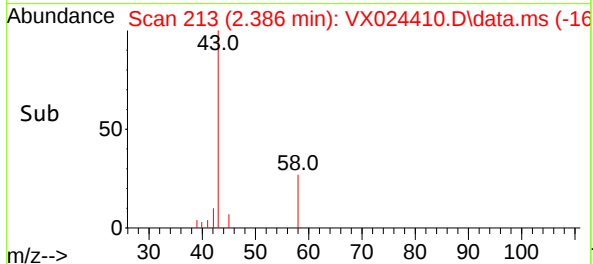
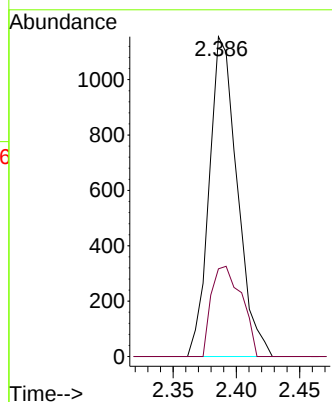
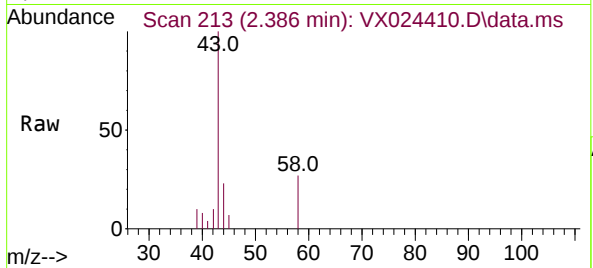




#16
Acetone
Concen: 2.408 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024410.D
Acq: 22 Sep 2021 01:50

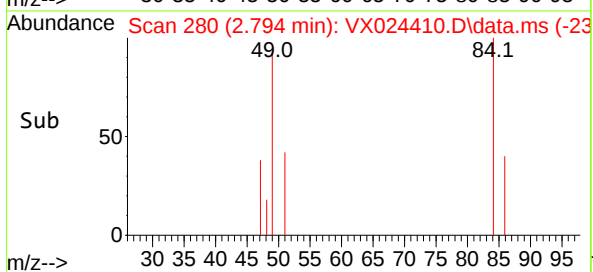
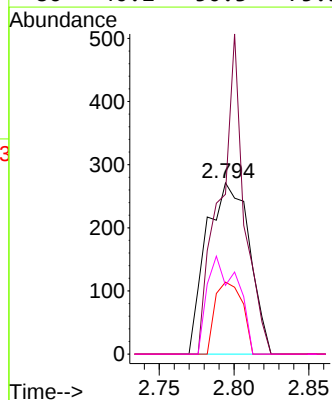
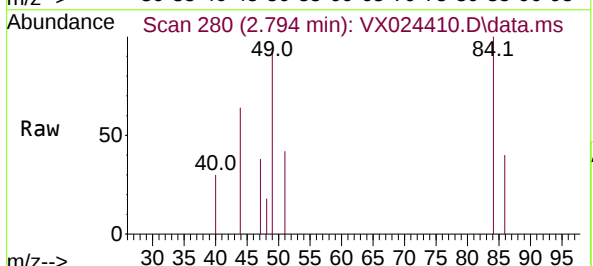
Instrument :
MSVOA_X
ClientSampleId :
RE123D1-20210918

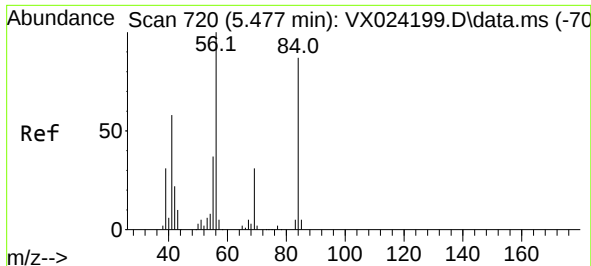
Tgt Ion: 43 Resp: 1781
Ion Ratio Lower Upper
43 100
58 27.4 27.8 41.8#



#20
Methylene Chloride
Concen: 0.383 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024410.D
Acq: 22 Sep 2021 01:50

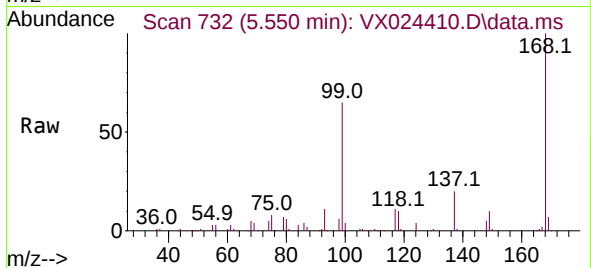
Tgt Ion: 84 Resp: 544
Ion Ratio Lower Upper
84 100
49 93.4 88.6 132.8
51 42.1 27.0 40.6#
86 40.2 50.3 75.5#



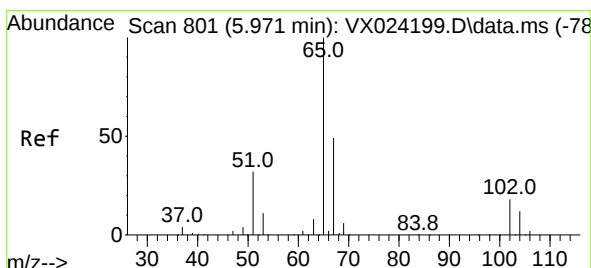
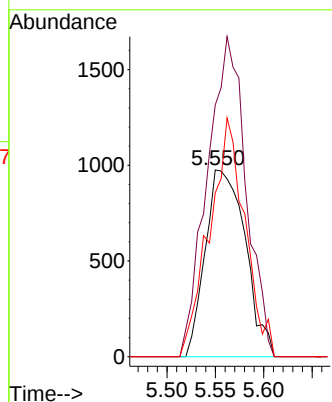
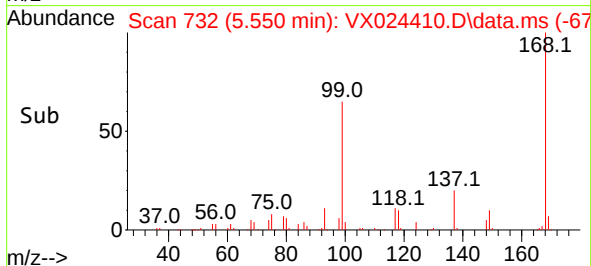


#31
Cyclohexane
Concen: 1.386 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX024410.D
Acq: 22 Sep 2021 01:50

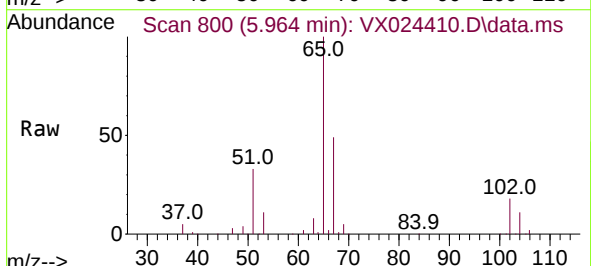
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ClientSampleId :
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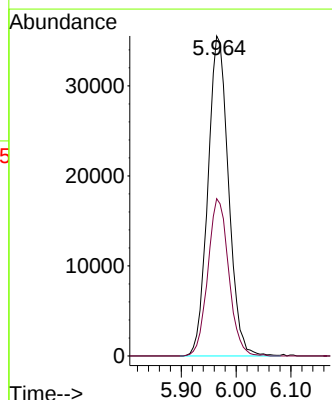
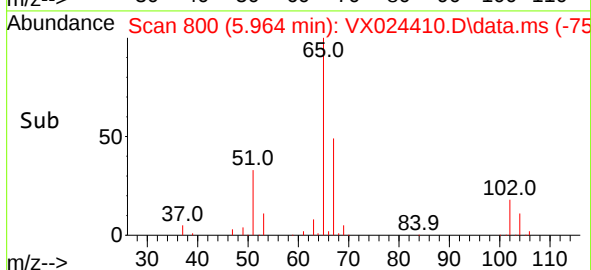
Tgt Ion: 56 Resp: 2811
Ion Ratio Lower Upper
56 100
69 134.7 25.3 37.9#
84 87.7 71.4 107.0

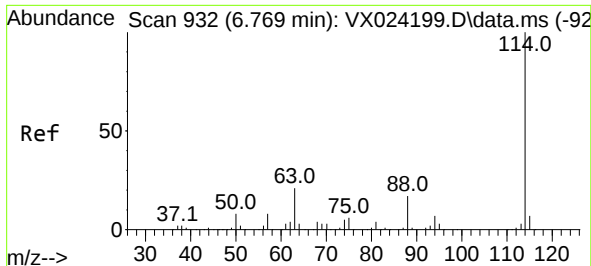


#33
1,2-Dichloroethane-d4
Concen: 53.454 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024410.D
Acq: 22 Sep 2021 01:50



Tgt Ion: 65 Resp: 92704
Ion Ratio Lower Upper
65 100
67 49.7 0.0 105.4

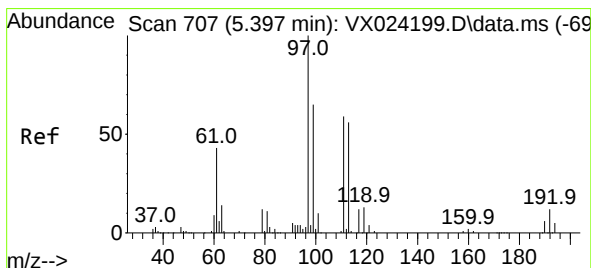
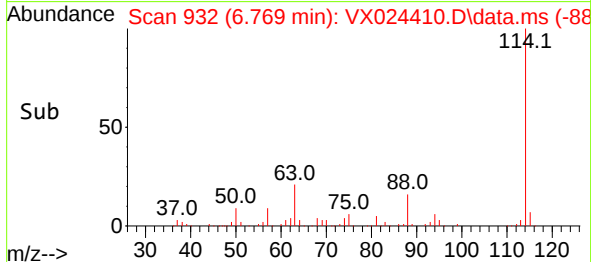
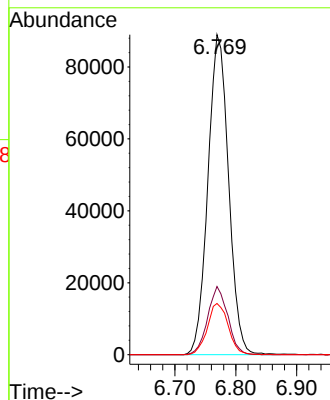
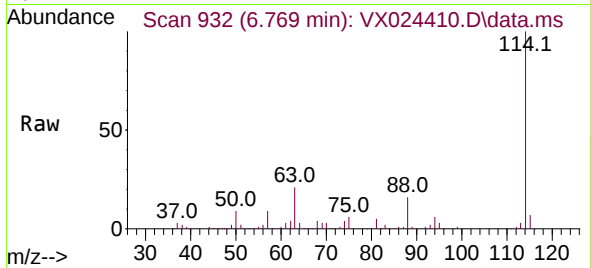




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024410.D
Acq: 22 Sep 2021 01:50

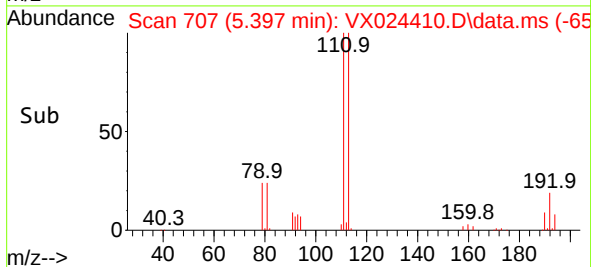
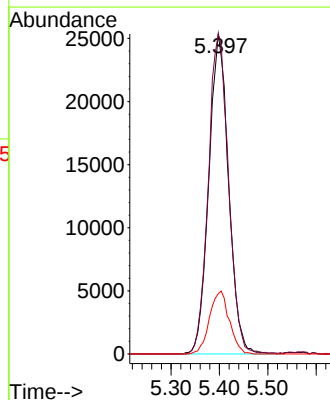
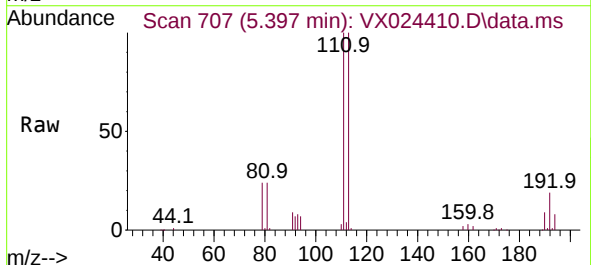
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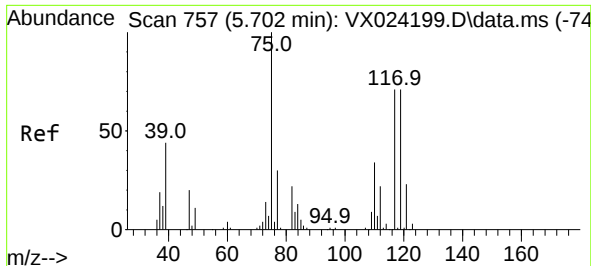
Tgt Ion:114 Resp: 209613
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.8
88 16.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.192 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024410.D
Acq: 22 Sep 2021 01:50

Tgt Ion:113 Resp: 71964
Ion Ratio Lower Upper
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111 102.4 81.9 122.9
192 19.7 16.7 25.1

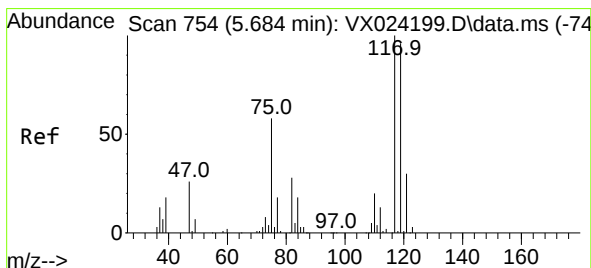
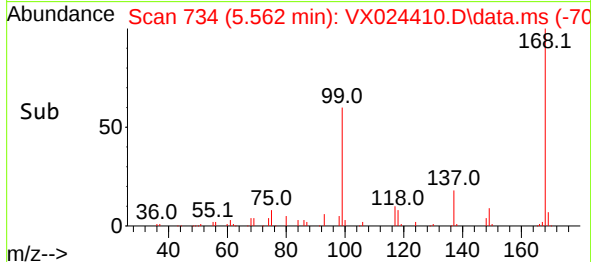
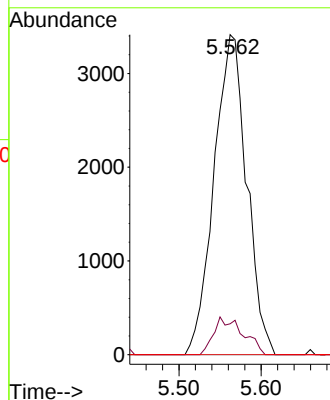
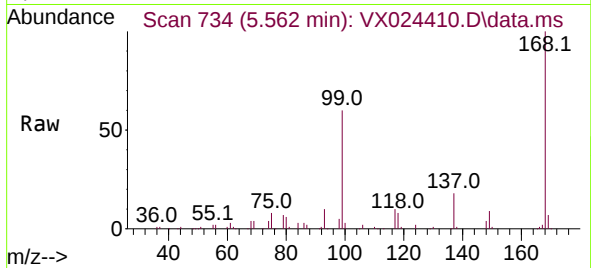




#36
1,1-Dichloropropene
Concen: 4.887 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024410.D
Acq: 22 Sep 2021 01:50

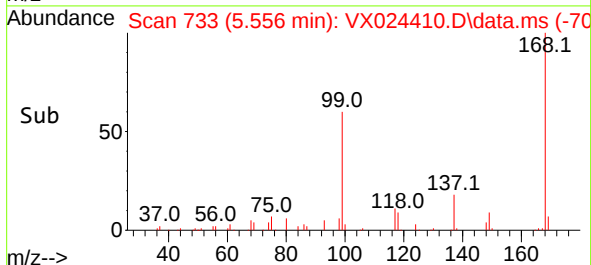
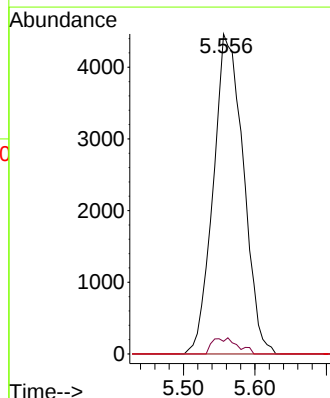
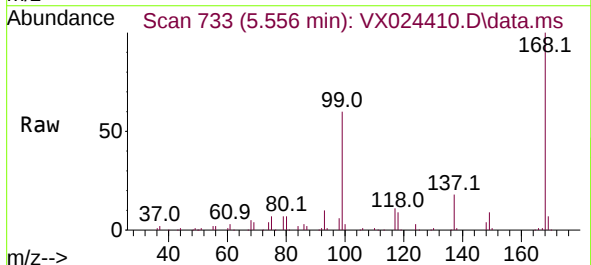
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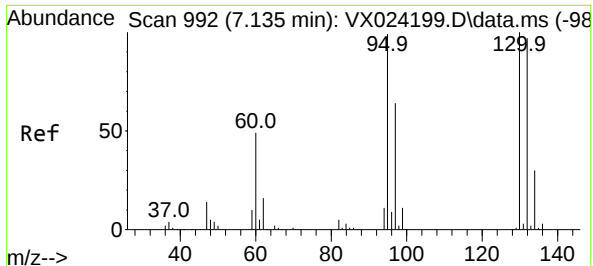
Tgt Ion: 75 Resp: 9419
Ion Ratio Lower Upper
75 100
110 10.6 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.005 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX024410.D
Acq: 22 Sep 2021 01:50

Tgt Ion: 117 Resp: 13026
Ion Ratio Lower Upper
117 100
119 3.9 76.2 114.2#
121 0.0 24.8 37.2#

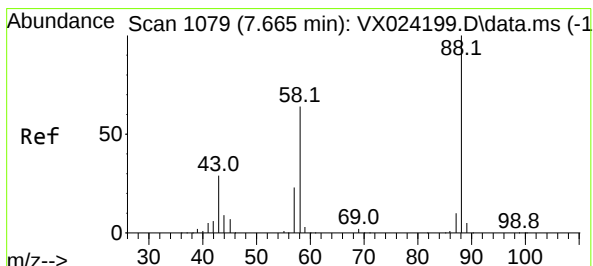
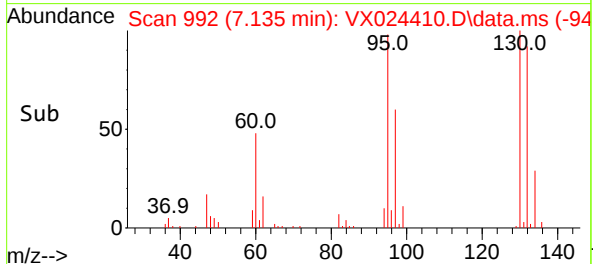
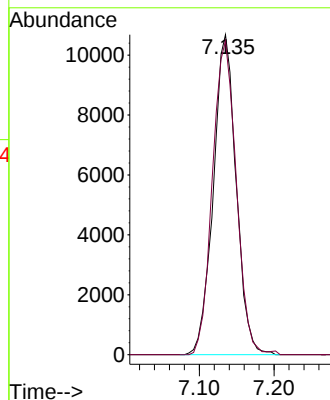
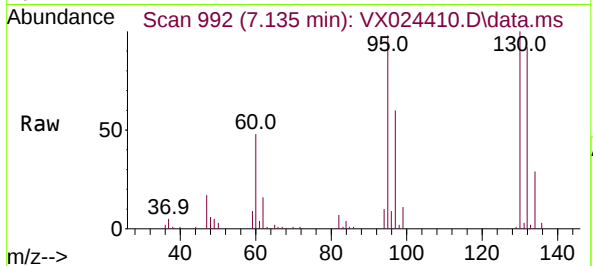




#44
Trichloroethene
Concen: 14.615 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX024410.D
Acq: 22 Sep 2021 01:50

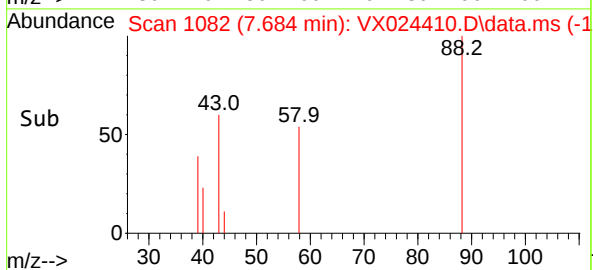
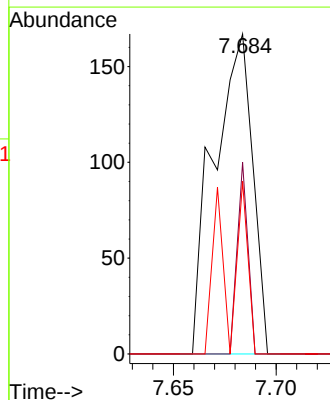
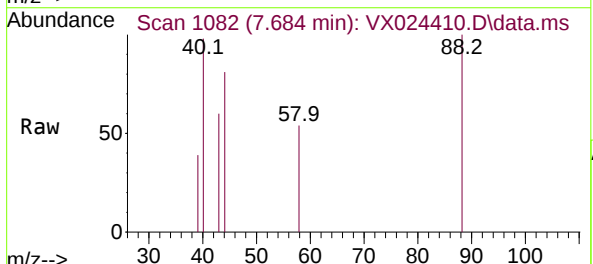
Instrument :
MSVOA_X
ClientSampleId :
RE123D1-20210918

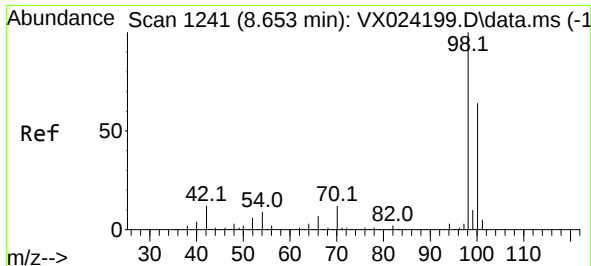
Tgt Ion:130 Resp: 22697
Ion Ratio Lower Upper
130 100
95 98.1 0.0 198.0



#49
1,4-Dioxane
Concen: 5.864 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.019 min
Lab File: VX024410.D
Acq: 22 Sep 2021 01:50

Tgt Ion: 88 Resp: 219
Ion Ratio Lower Upper
88 100
43 16.9 23.2 34.8#
58 29.7 55.0 82.4#

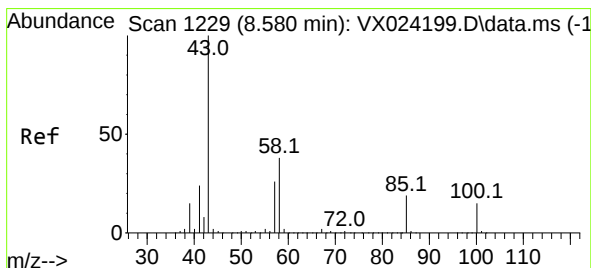
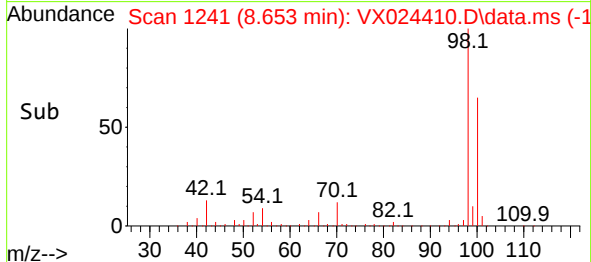
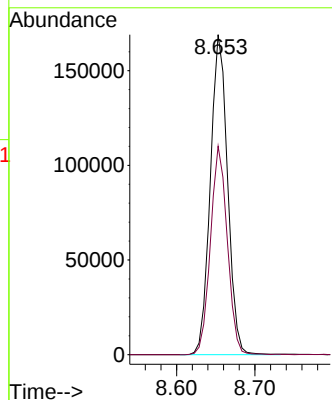
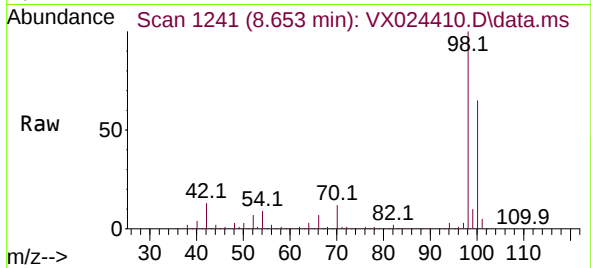




#50
Toluene-d8
Concen: 50.312 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024410.D
Acq: 22 Sep 2021 01:50

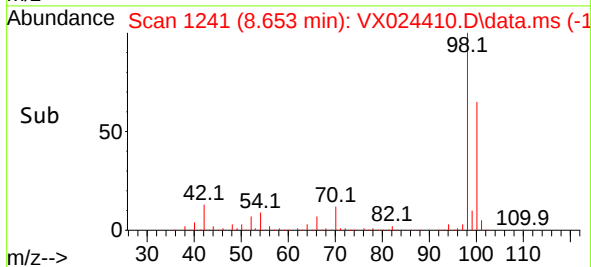
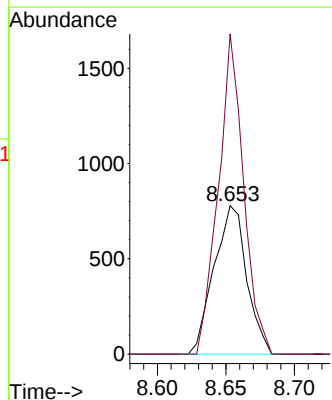
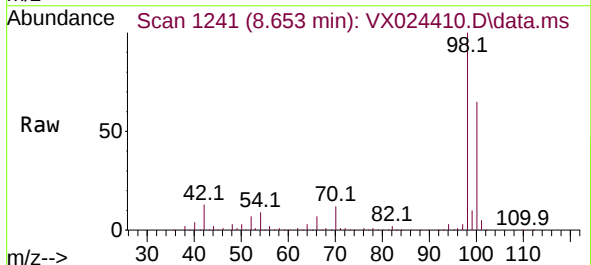
Instrument :
MSVOA_X
ClientSampleId :
RE123D1-20210918

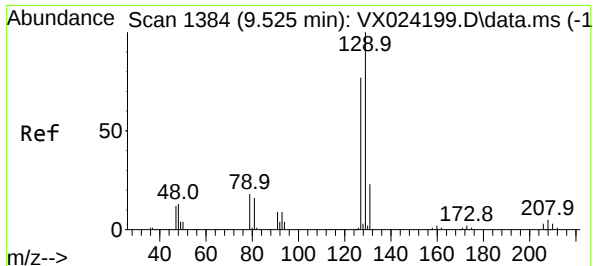
Tgt Ion: 98 Resp: 257651
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.566 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024410.D
Acq: 22 Sep 2021 01:50

Tgt Ion: 43 Resp: 1290
Ion Ratio Lower Upper
43 100
58 167.5 35.4 53.0#





#60

Dibromochloromethane

Concen: 1.798 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.256 min

Lab File: VX024410.D

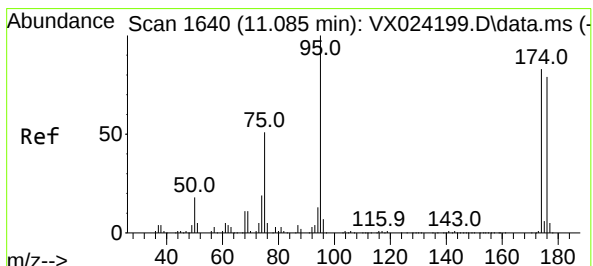
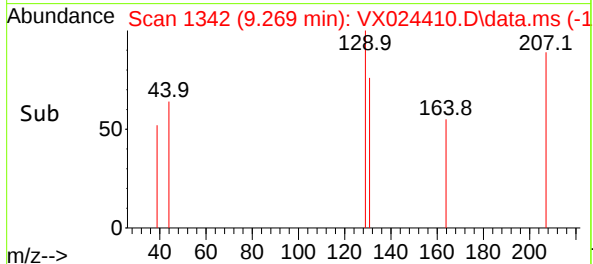
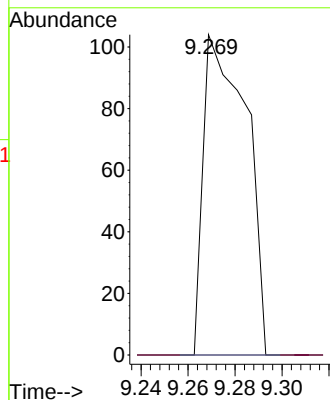
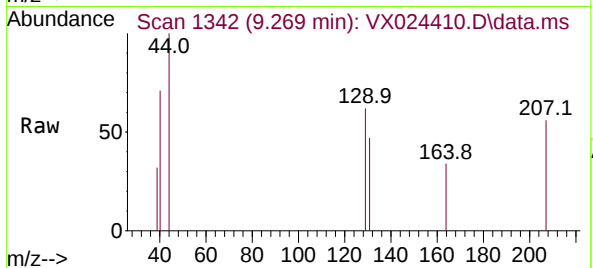
Acq: 22 Sep 2021 01:50

Tgt Ion:129 Resp: 131

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 44.646 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX024410.D

Acq: 22 Sep 2021 01:50

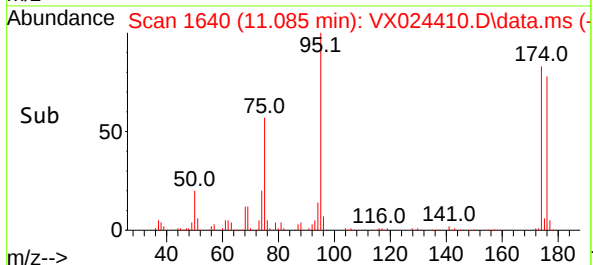
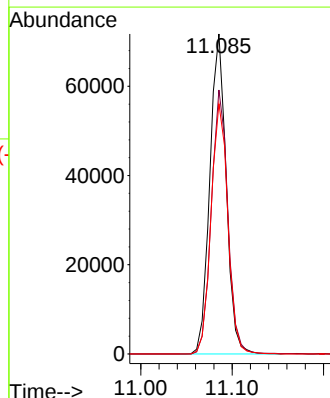
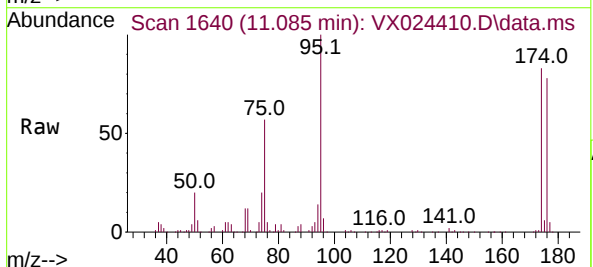
Tgt Ion: 95 Resp: 88978

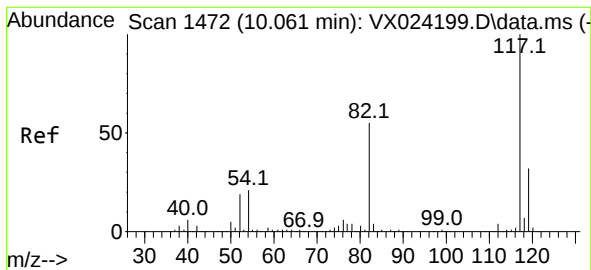
Ion Ratio Lower Upper

95 100

174 83.3 0.0 154.6

176 80.4 0.0 155.8

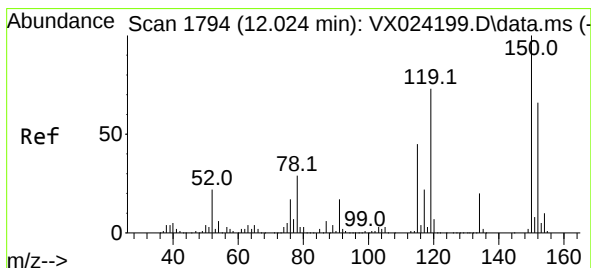
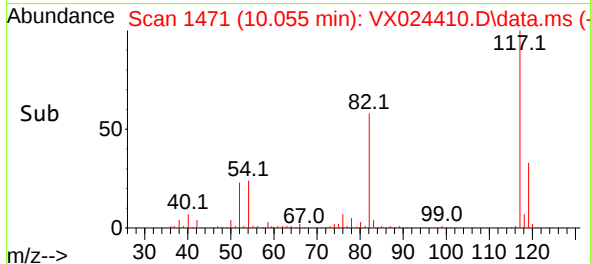
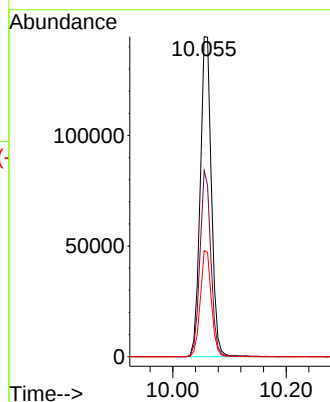
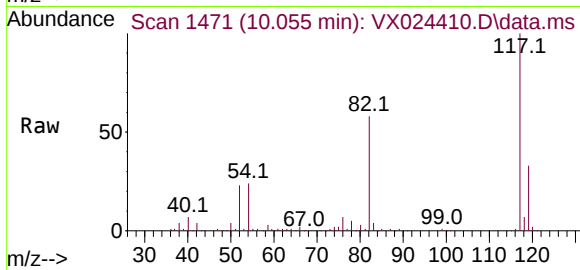




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024410.D
Acq: 22 Sep 2021 01:50

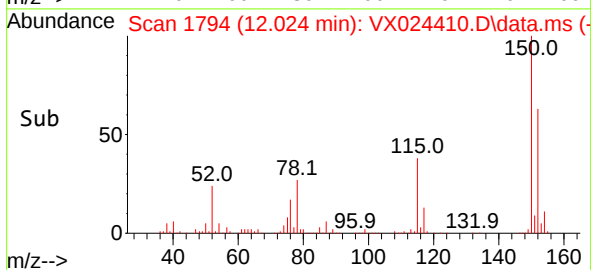
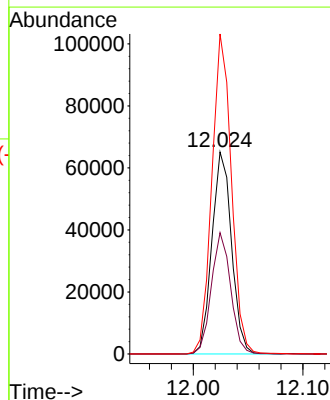
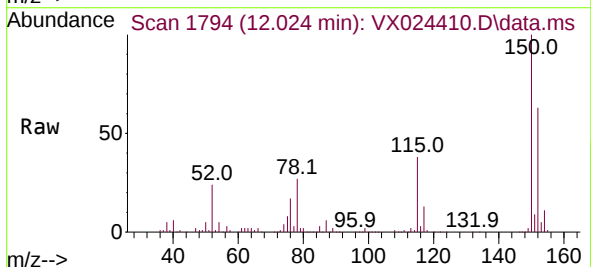
Instrument :
MSVOA_X
ClientSampleId :
RE123D1-20210918

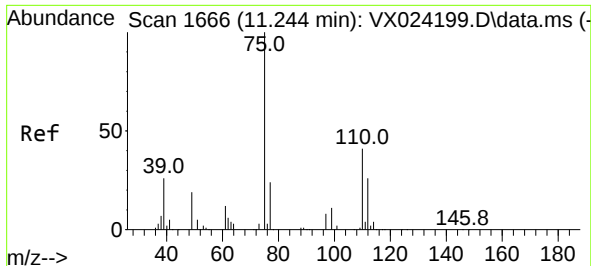
Tgt Ion:117 Resp: 198274
Ion Ratio Lower Upper
117 100
82 58.2 47.4 71.2
119 33.2 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024410.D
Acq: 22 Sep 2021 01:50

Tgt Ion:152 Resp: 81098
Ion Ratio Lower Upper
152 100
115 58.9 41.1 123.3
150 157.2 0.0 349.0

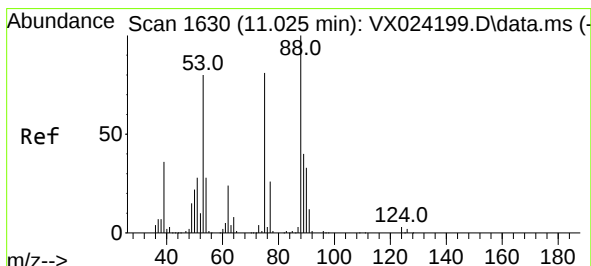
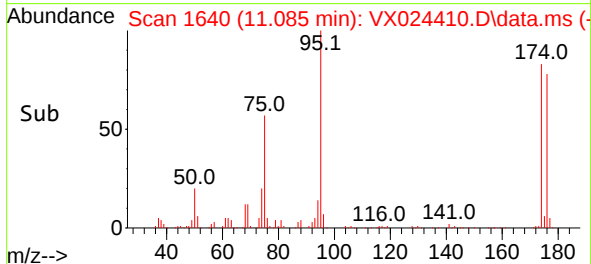
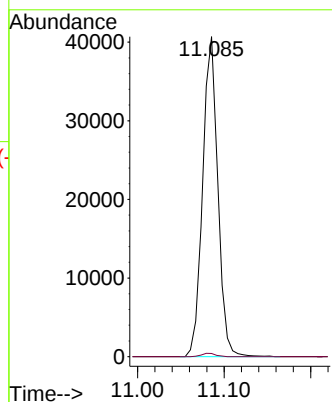
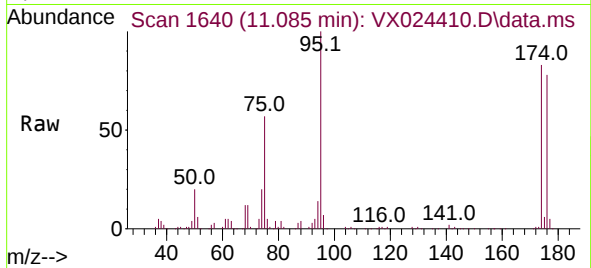




#76
1,2,3-Trichloropropane
Concen: 26.567 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024410.D
Acq: 22 Sep 2021 01:50

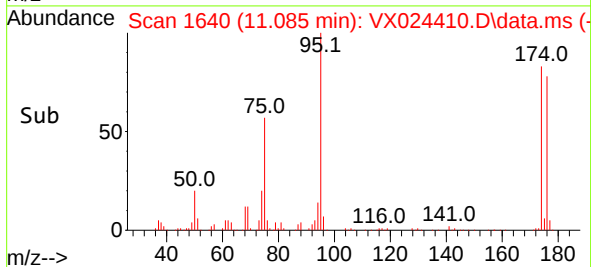
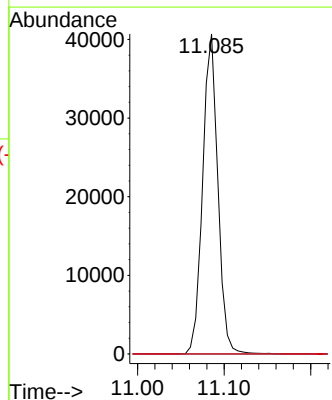
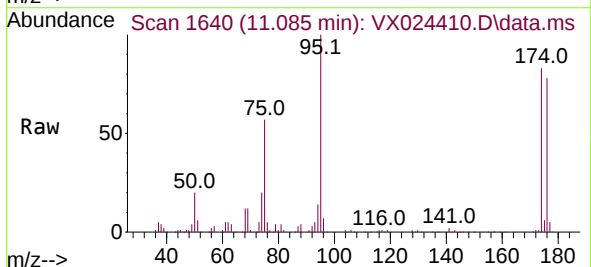
Instrument :
MSVOA_X
ClientSampleId :
RE123D1-20210918

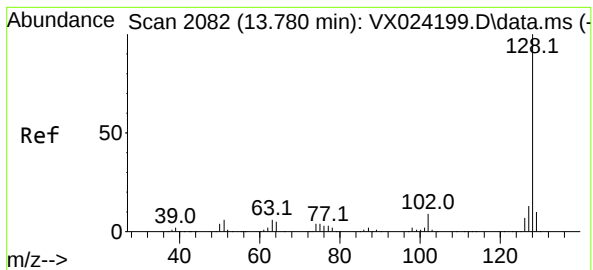
Tgt Ion: 75 Resp: 49541
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.133 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024410.D
Acq: 22 Sep 2021 01:50

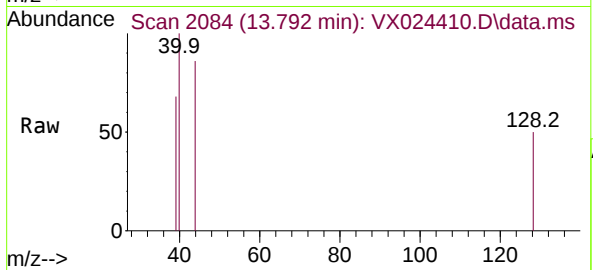
Tgt Ion: 75 Resp: 49541
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
 Naphthalene
 Concen: 1.290 ug/l
 RT: 13.792 min Scan# 2084
 Delta R.T. 0.012 min
 Lab File: VX024410.D
 Acq: 22 Sep 2021 01:50

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D1-20210918



Tgt Ion:128	Resp:	20
Ion	Ratio	Lower Upper
128	100	
127	0.0	10.3 15.5#
129	0.0	8.8 13.2#

