

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091721\
 Data File : VX024314.D
 Acq On : 17 Sep 2021 17:08
 Operator : JC/MD
 Sample : M3782-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE139D2-20210915

Quant Time: Sep 20 01:58:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 14 12:18:04 2021
 Response via : Initial Calibration

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

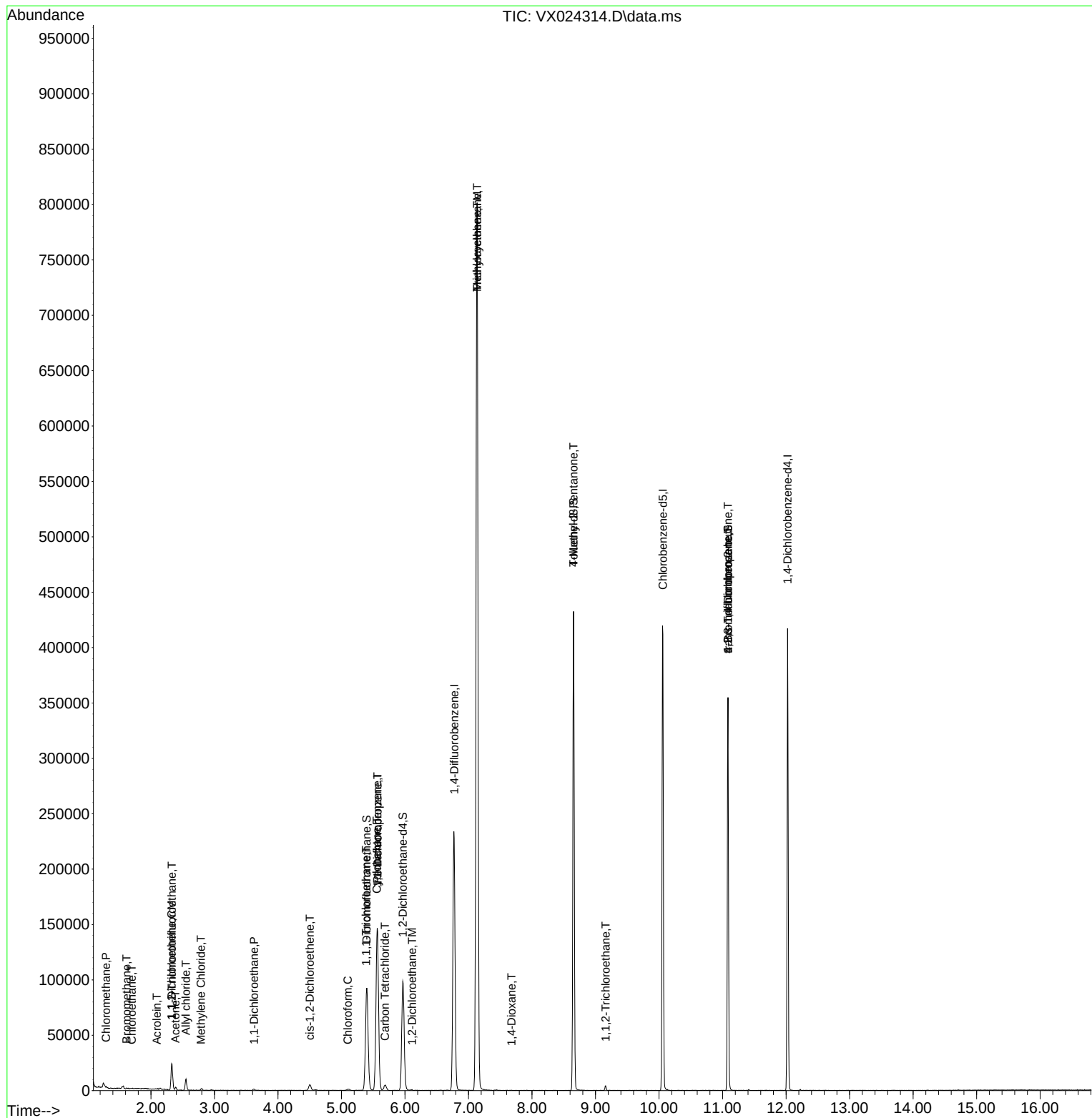
Internal Standards						
1) Pentafluorobenzene	5.562	168	135633	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	235433	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	189354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	102943	53.226	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.460%	
35) Dibromofluoromethane	5.397	113	79675	50.462	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.920%	
50) Toluene-d8	8.653	98	247915	43.101	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 86.200%#	
62) 4-Bromofluorobenzene	11.085	95	85961	38.402	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 76.800%#	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	605	0.444	ug/l #	85
5) Bromomethane	1.618	94	313	0.388	ug/l	95
6) Chloroethane	1.697	64	295	2.258	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	4814	3.605	ug/l	95
11) Tert butyl alcohol	2.977	59	120	Below Cal	#	73
12) 1,1-Dichloroethene	2.325	96	4532	3.624	ug/l	94
13) Acrolein	2.093	56	42	0.329	ug/l #	14
14) Allyl chloride	2.550	41	1132	0.498	ug/l #	54
16) Acetone	2.386	43	2930	3.553	ug/l #	77
20) Methylene Chloride	2.788	84	750	0.474	ug/l #	74
24) 1,1-Dichloroethane	3.623	63	1242	0.474	ug/l #	85
27) cis-1,2-Dichloroethene	4.501	96	3314	2.096	ug/l	95
30) Chloroform	5.099	83	803	0.288	ug/l	99
31) Cyclohexane	5.556	56	3135	1.386	ug/l #	35
32) 1,1,1-Trichloroethane	5.385	97	606	0.243	ug/l #	44
36) 1,1-Dichloropropene	5.568	75	10553	4.875	ug/l #	49
38) Carbon Tetrachloride	5.684	117	4254	1.746	ug/l	95
39) Methylcyclohexane	7.135	83	3684	1.426	ug/l #	1
42) 1,2-Dichloroethane	6.111	62	625	0.241	ug/l #	73
44) Trichloroethene	7.135	130	300086	172.035	ug/l	100
49) 1,4-Dioxane	7.677	88	131	3.123	ug/l #	24
51) 4-Methyl-2-Pentanone	8.653	43	1265	0.494	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	1207	0.697	ug/l	88
76) 1,2,3-Trichloropropane	11.085	75	48595	26.031	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	48595	76.558	ug/l #	12

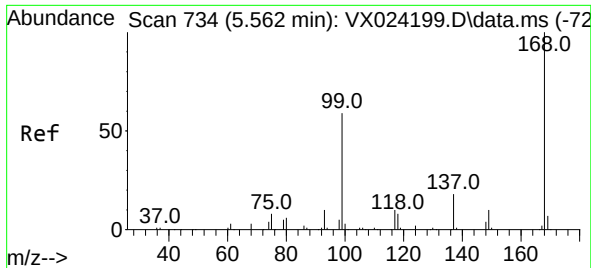
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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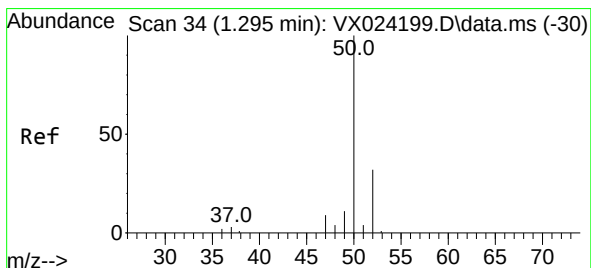
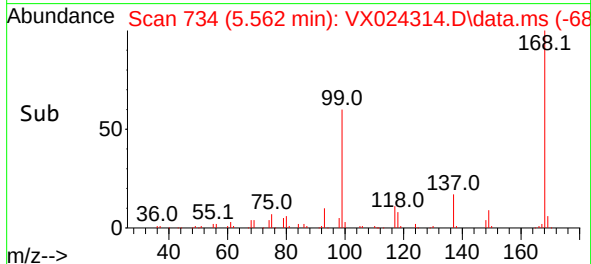
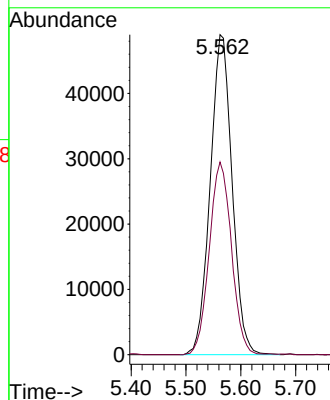
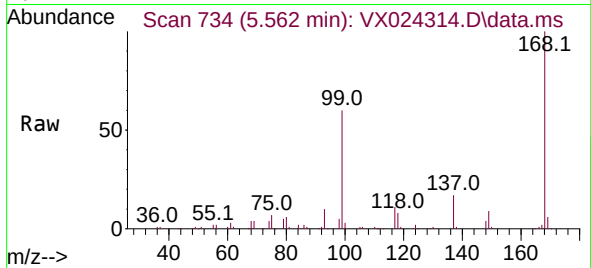




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024314.D
Acq: 17 Sep 2021 17:08

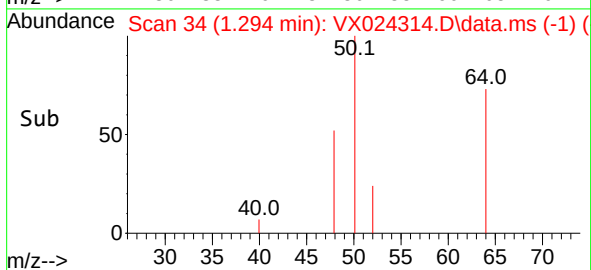
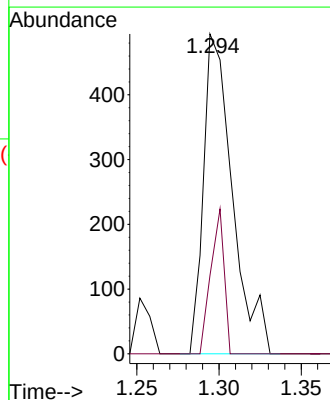
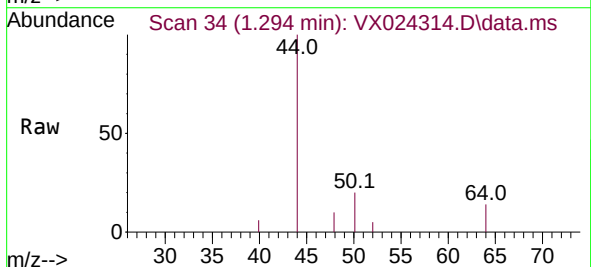
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210915

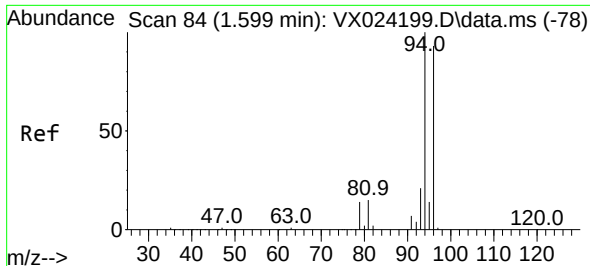
Tgt Ion:168 Resp: 135633
Ion Ratio Lower Upper
168 100
99 60.2 45.8 68.6



#3
Chloromethane
Concen: 0.444 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX024314.D
Acq: 17 Sep 2021 17:08

Tgt Ion: 50 Resp: 605
Ion Ratio Lower Upper
50 100
52 24.5 26.4 39.6#

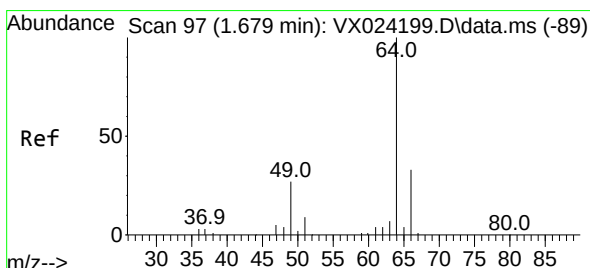
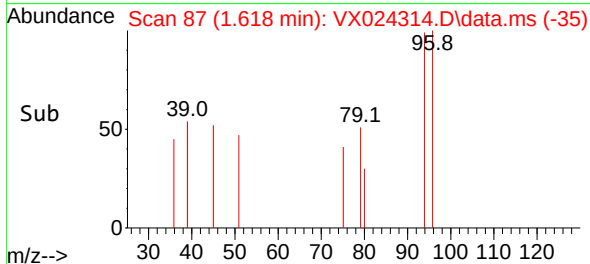
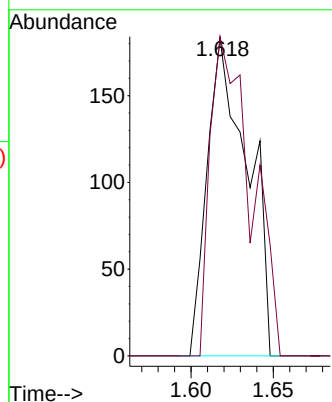
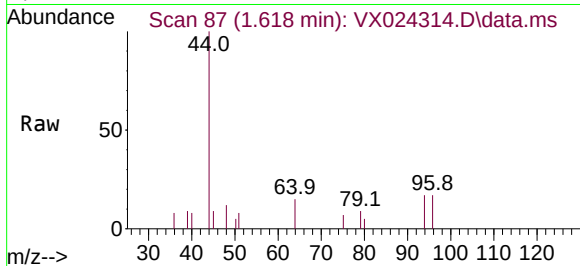




#5
Bromomethane
Concen: 0.388 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX024314.D
Acq: 17 Sep 2021 17:08

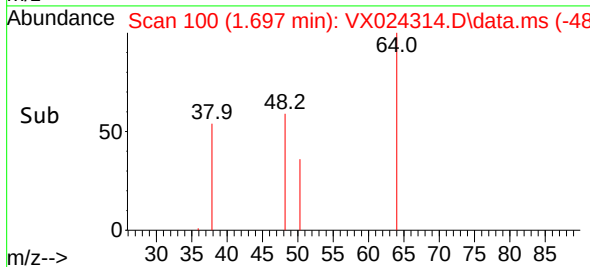
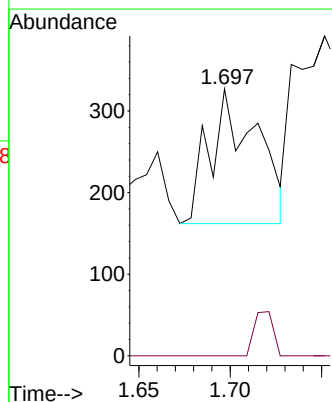
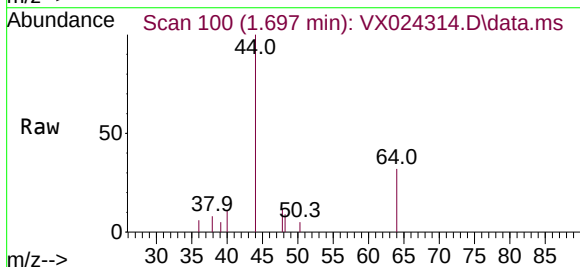
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210915

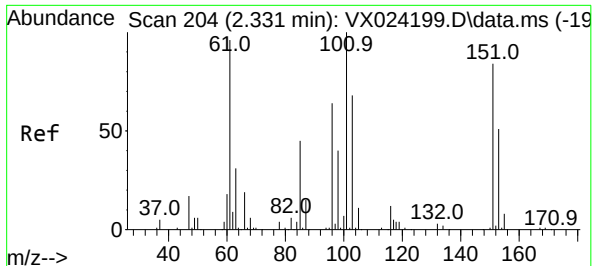
Tgt Ion: 94 Resp: 313
Ion Ratio Lower Upper
94 100
96 100.5 76.4 114.6



#6
Chloroethane
Concen: 2.258 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.018 min
Lab File: VX024314.D
Acq: 17 Sep 2021 17:08

Tgt Ion: 64 Resp: 295
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

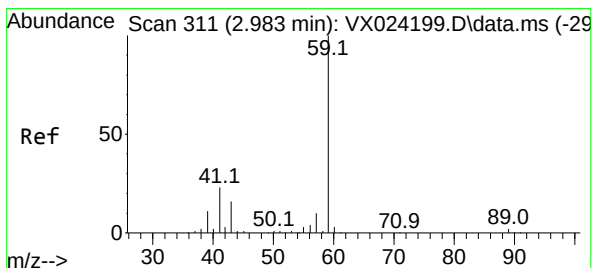
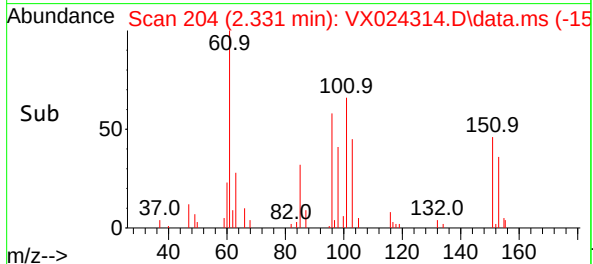
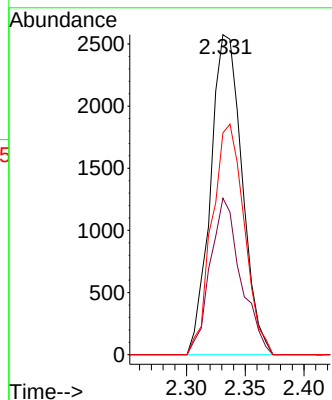
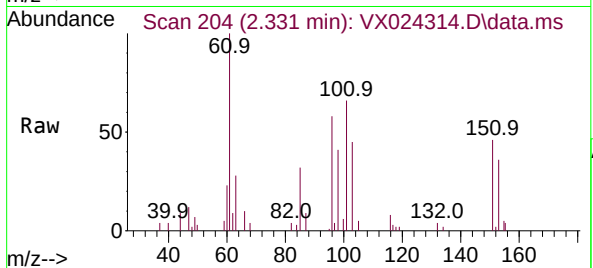




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.605 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX024314.D
Acq: 17 Sep 2021 17:08

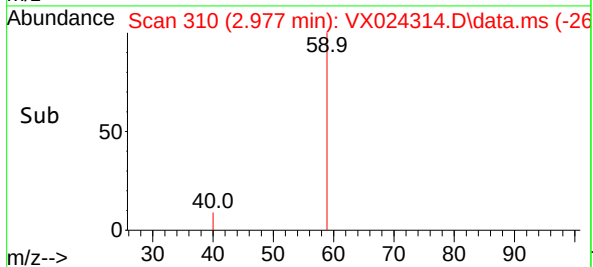
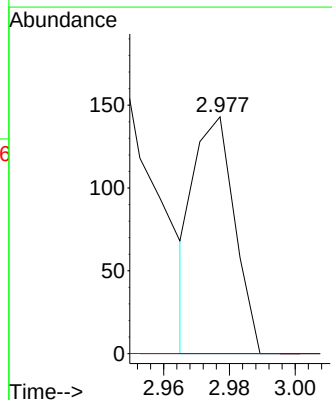
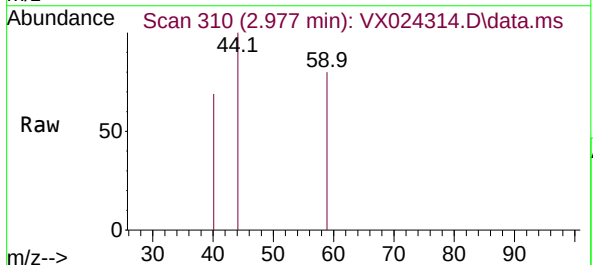
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210915

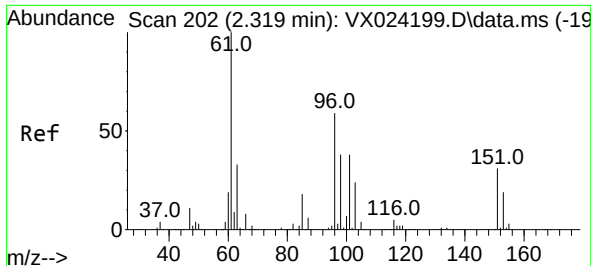
Tgt Ion:101 Resp: 4814
Ion Ratio Lower Upper
101 100
85 47.4 34.9 52.3
151 73.5 61.4 92.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX024314.D
Acq: 17 Sep 2021 17:08

Tgt Ion: 59 Resp: 120
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 3.624 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX024314.D

Acq: 17 Sep 2021 17:08

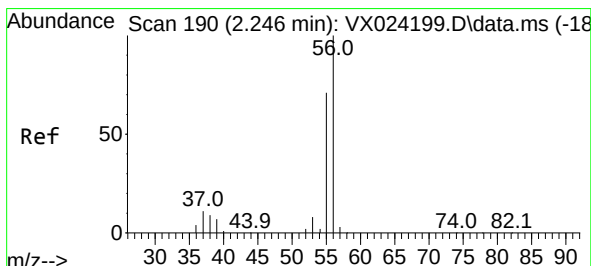
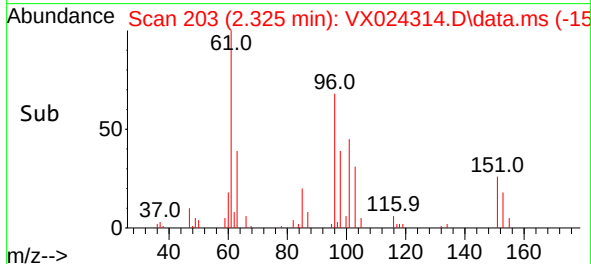
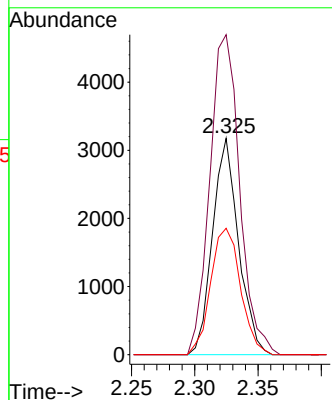
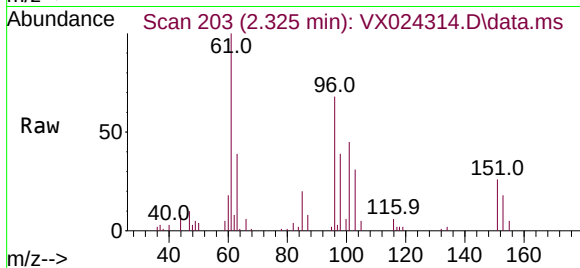
Tgt Ion: 96 Resp: 4532

Ion Ratio Lower Upper

96 100

61 147.9 124.6 187.0

98 58.4 50.6 76.0



#13

Acrolein

Concen: 0.329 ug/l

RT: 2.093 min Scan# 165

Delta R.T. -0.153 min

Lab File: VX024314.D

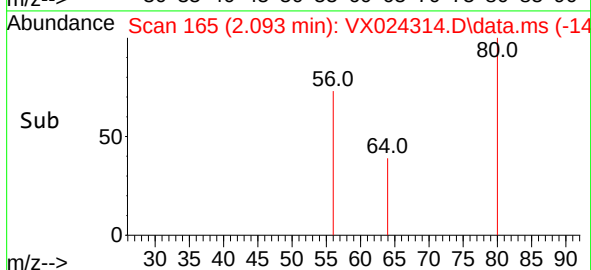
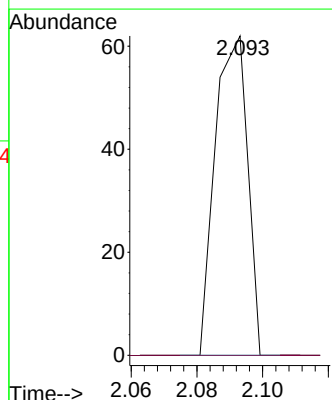
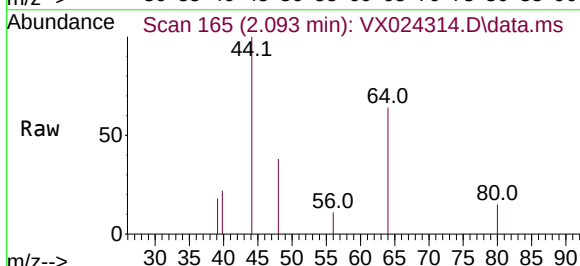
Acq: 17 Sep 2021 17:08

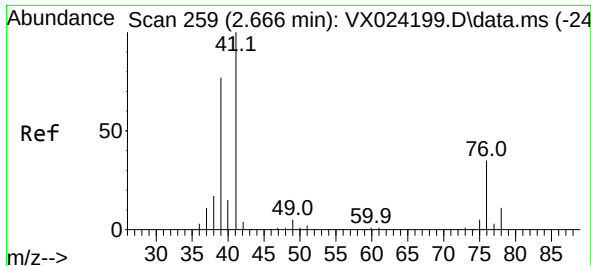
Tgt Ion: 56 Resp: 42

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#

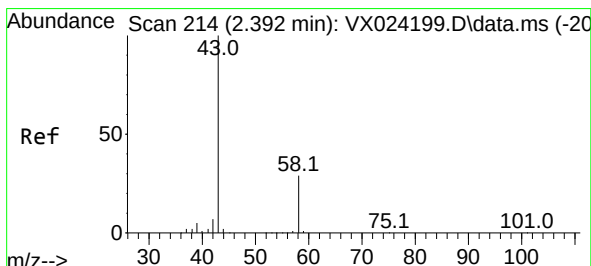
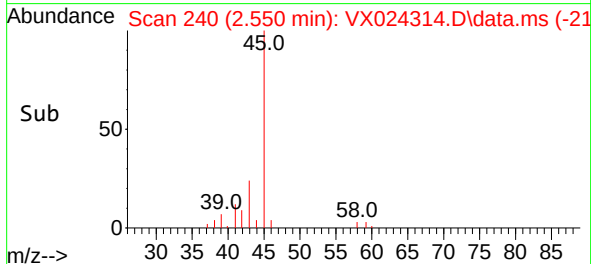
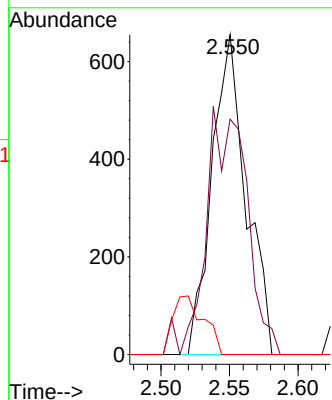
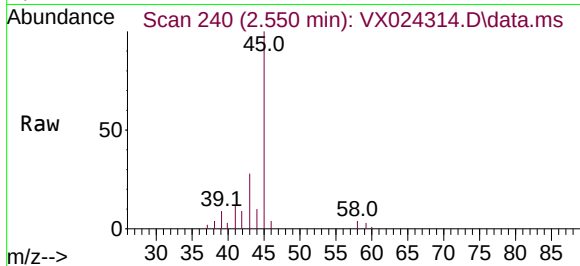




#14
Allyl chloride
Concen: 0.498 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.116 min
Lab File: VX024314.D
Acq: 17 Sep 2021 17:08

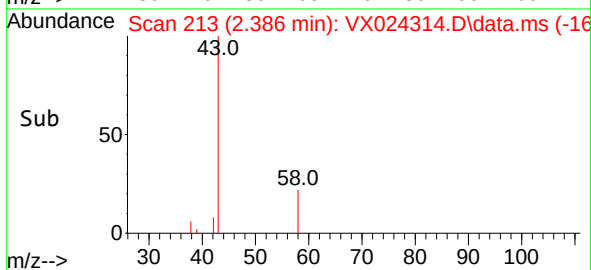
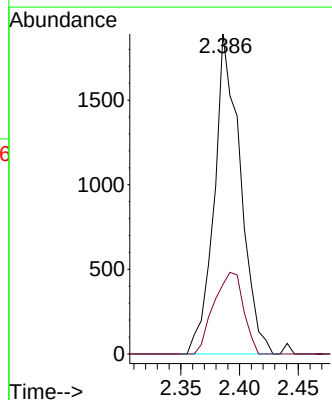
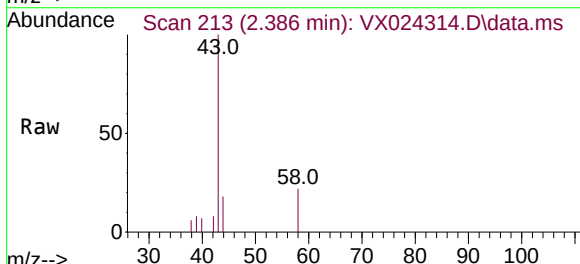
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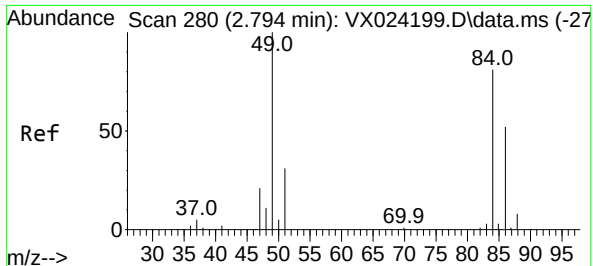
Tgt Ion: 41	Resp: 1132
Ion Ratio	Lower Upper
41 100	
39 92.7	51.6 77.4#
76 0.0	30.5 45.7#



#16
Acetone
Concen: 3.553 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024314.D
Acq: 17 Sep 2021 17:08

Tgt Ion: 43	Resp: 2930
Ion Ratio	Lower Upper
43 100	
58 21.7	27.8 41.8#





#20

Methylene Chloride

Concen: 0.474 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.006 min

Lab File: VX024314.D

Acq: 17 Sep 2021 17:08

Instrument :

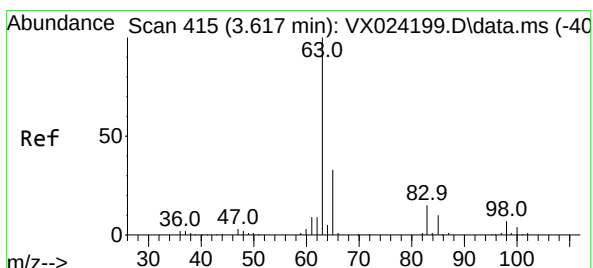
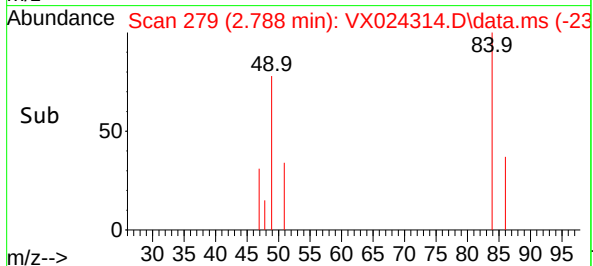
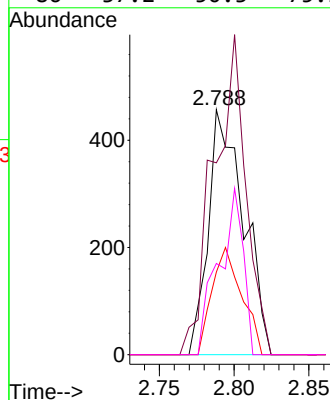
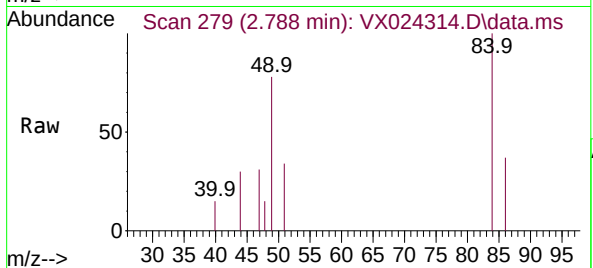
MSVOA_X

ClientSampleId :

RE139D2-20210915

Tgt Ion: 84 Resp: 750

Ion	Ratio	Lower	Upper
84	100		
49	78.3	88.6	132.8#
51	33.7	27.0	40.6
86	37.2	50.3	75.5#



#24

1,1-Dichloroethane

Concen: 0.474 ug/l

RT: 3.623 min Scan# 416

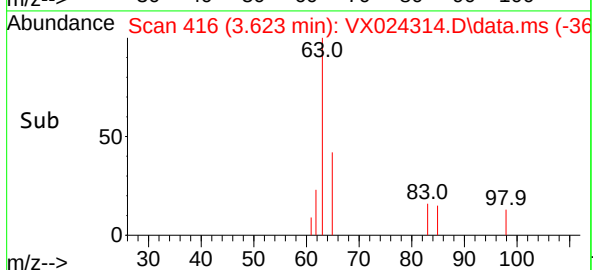
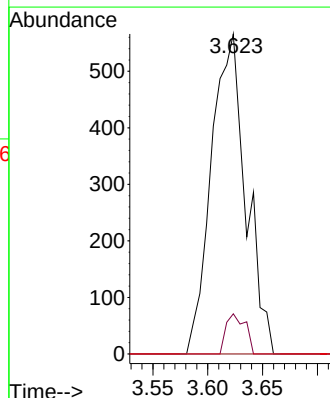
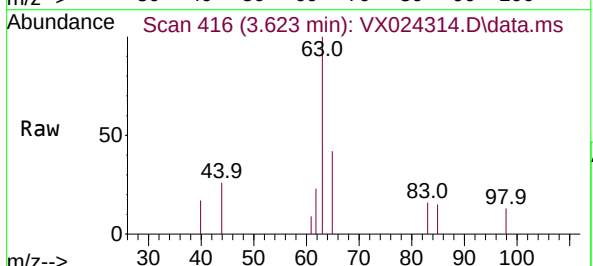
Delta R.T. 0.006 min

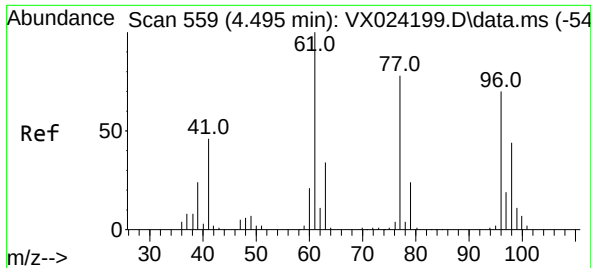
Lab File: VX024314.D

Acq: 17 Sep 2021 17:08

Tgt Ion: 63 Resp: 1242

Ion	Ratio	Lower	Upper
63	100		
98	12.5	3.8	11.2#
100	0.0	2.5	7.5#





#27

cis-1,2-Dichloroethene

Concen: 2.096 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.006 min

Lab File: VX024314.D

Acq: 17 Sep 2021 17:08

Tgt Ion: 96 Resp: 3314

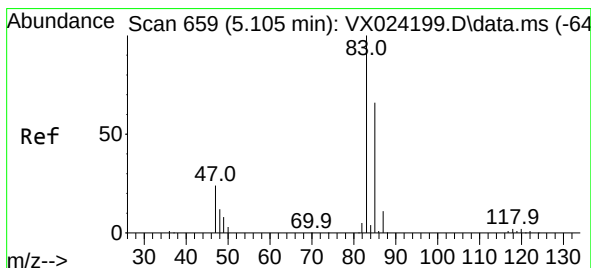
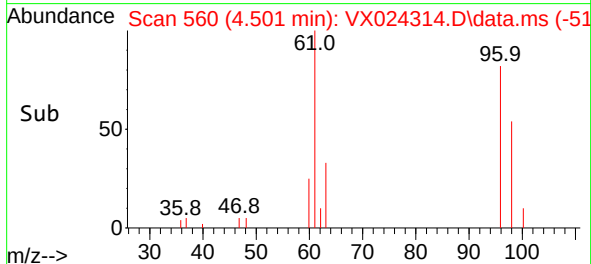
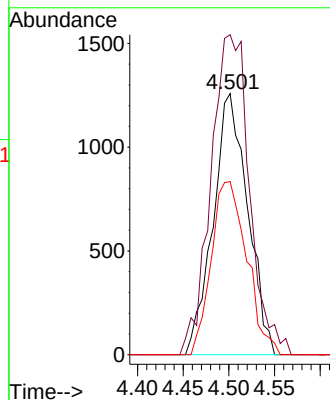
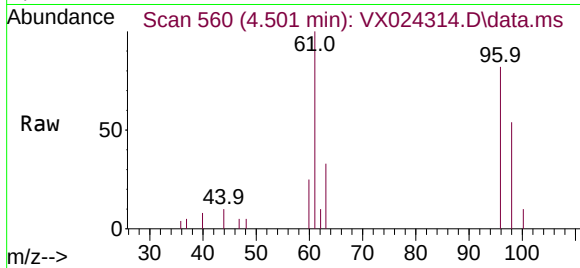
Ion	Ratio	Lower	Upper
96	100		
61	136.9	0.0	285.6
98	68.0	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

RE139D2-20210915



#30

Chloroform

Concen: 0.288 ug/l

RT: 5.099 min Scan# 658

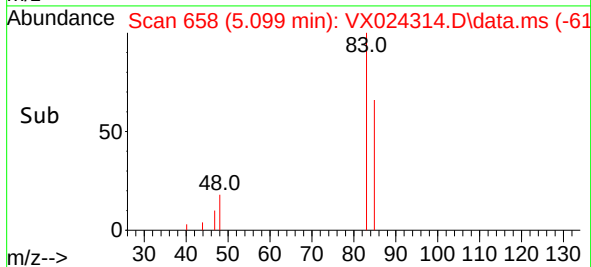
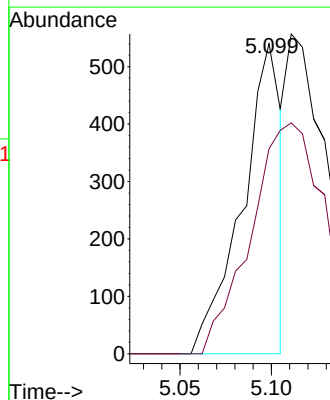
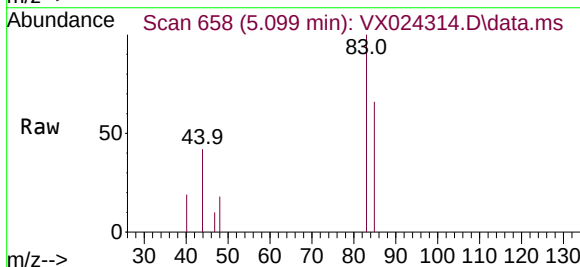
Delta R.T. -0.006 min

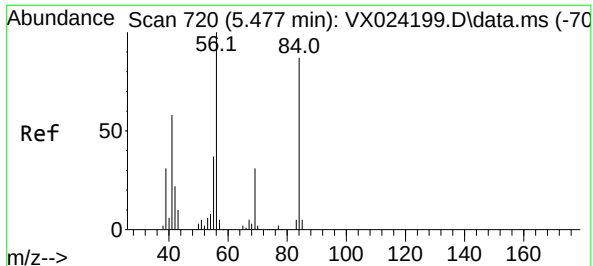
Lab File: VX024314.D

Acq: 17 Sep 2021 17:08

Tgt Ion: 83 Resp: 803

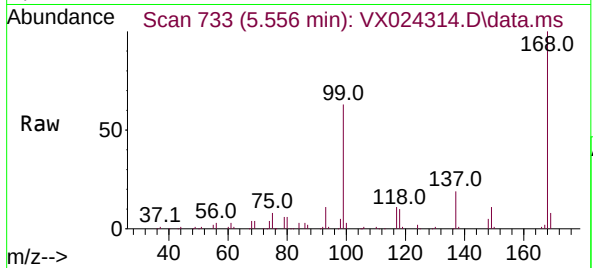
Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.0	78.0



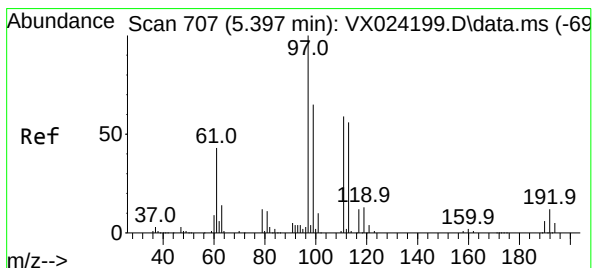
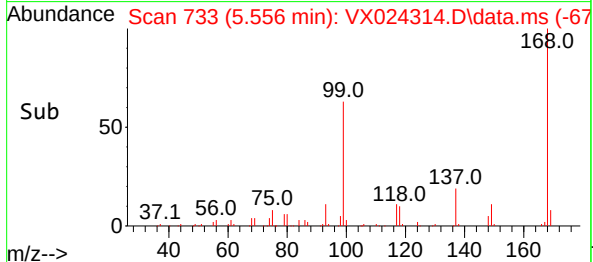
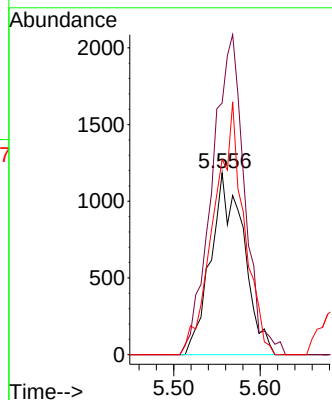


#31
Cyclohexane
Concen: 1.386 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX024314.D
Acq: 17 Sep 2021 17:08

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210915

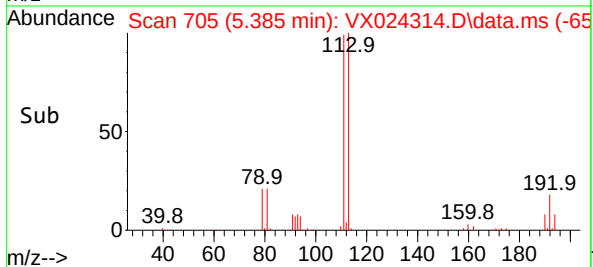
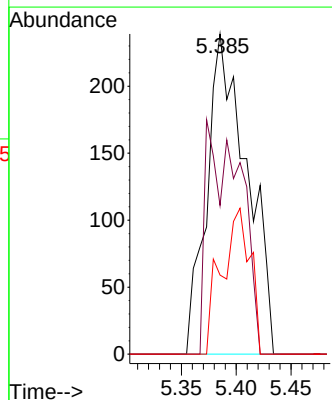
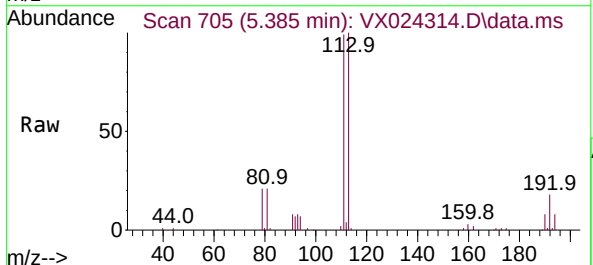


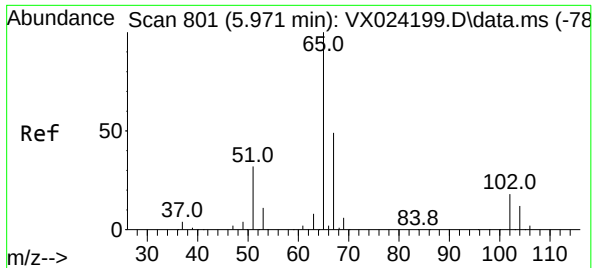
Tgt Ion: 56 Resp: 3135
Ion Ratio Lower Upper
56 100
69 138.5 25.3 37.9#
84 107.3 71.4 107.0#



#32
1,1,1-Trichloroethane
Concen: 0.243 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.012 min
Lab File: VX024314.D
Acq: 17 Sep 2021 17:08

Tgt Ion: 97 Resp: 606
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 32.5 34.2 51.4#



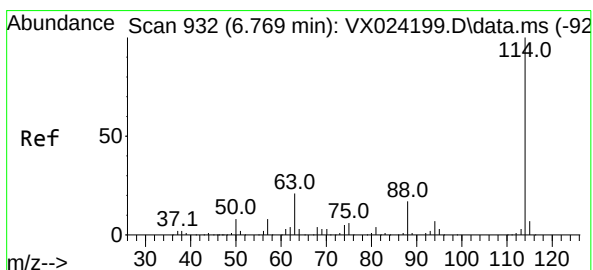
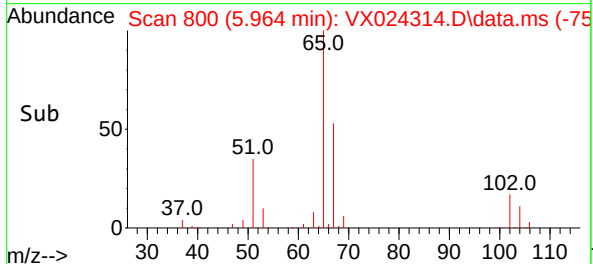
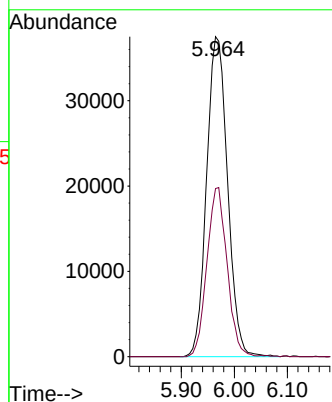
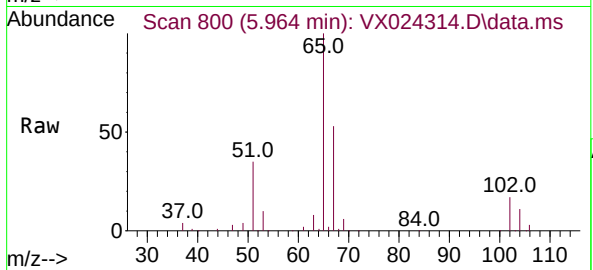


#33

1,2-Dichloroethane-d4
Concen: 53.226 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024314.D
Acq: 17 Sep 2021 17:08

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210915

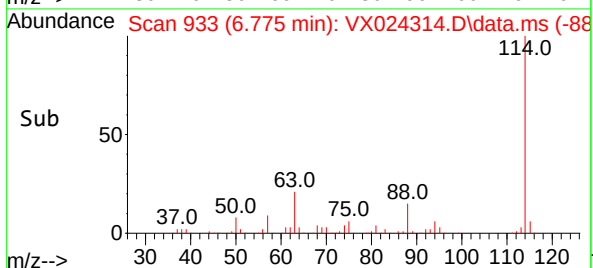
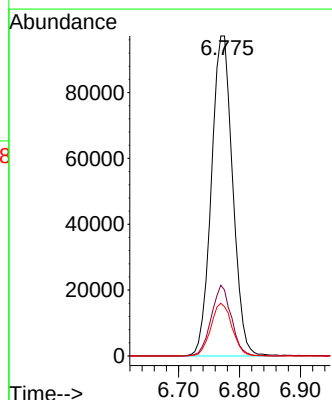
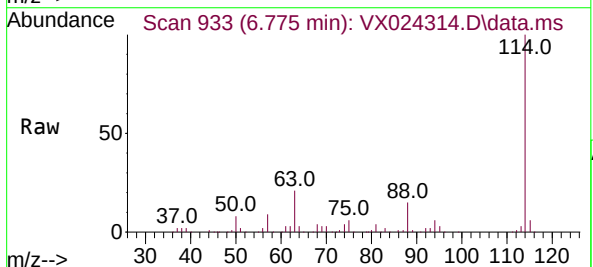
Tgt Ion: 65 Resp: 102943
Ion Ratio Lower Upper
65 100
67 50.8 0.0 105.4

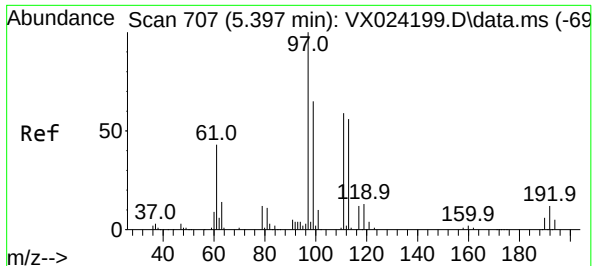


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.006 min
Lab File: VX024314.D
Acq: 17 Sep 2021 17:08

Tgt Ion: 114 Resp: 235433
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 15.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.462 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024314.D

Acq: 17 Sep 2021 17:08

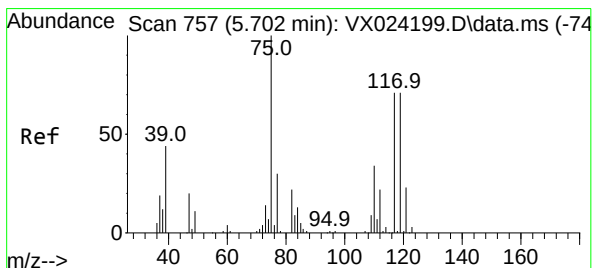
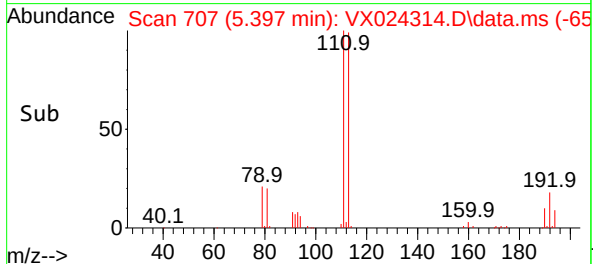
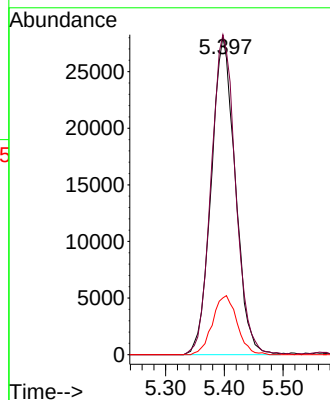
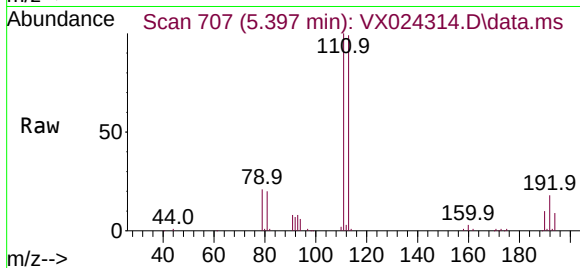
Tgt Ion:113 Resp: 79675

Ion Ratio Lower Upper

113 100

111 102.6 81.9 122.9

192 19.0 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.875 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX024314.D

Acq: 17 Sep 2021 17:08

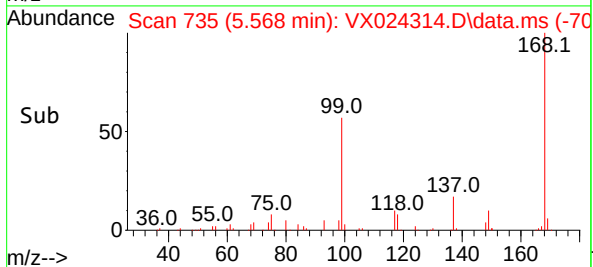
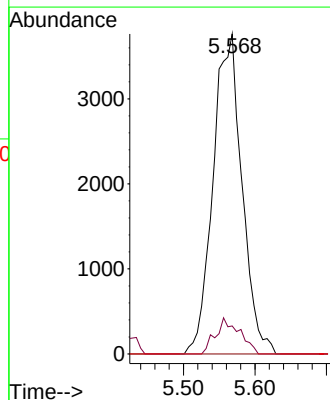
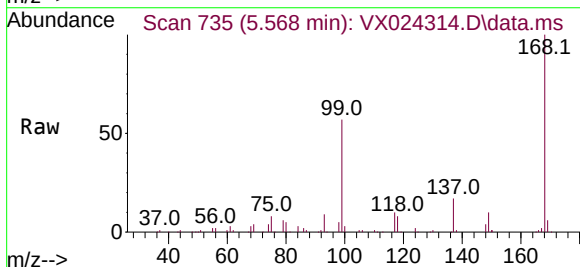
Tgt Ion: 75 Resp: 10553

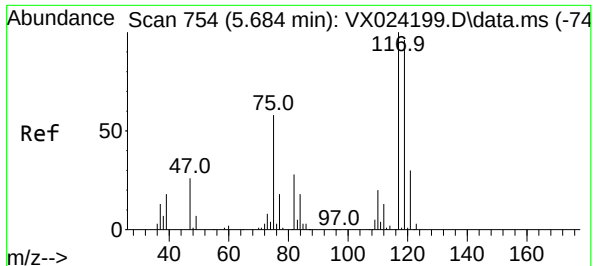
Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.4#

77 0.0 25.3 37.9#

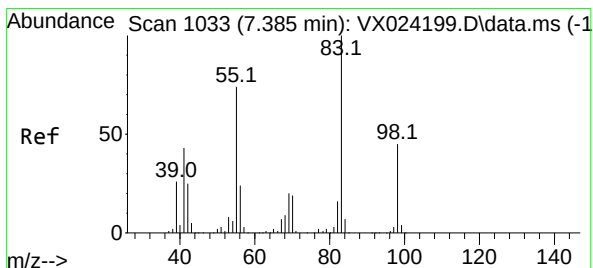
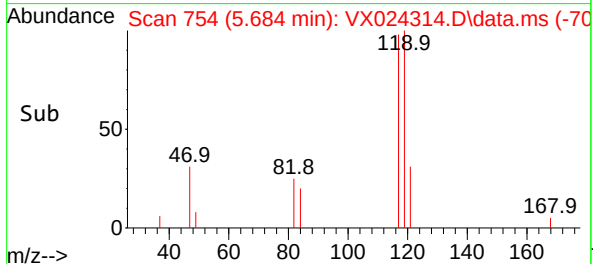
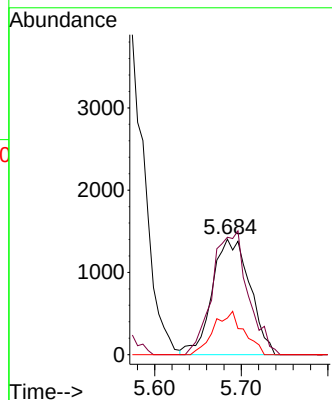
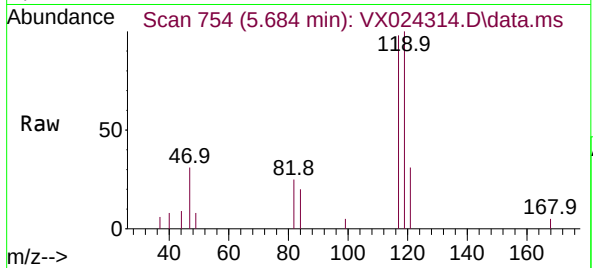




#38
Carbon Tetrachloride
Concen: 1.746 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX024314.D
Acq: 17 Sep 2021 17:08

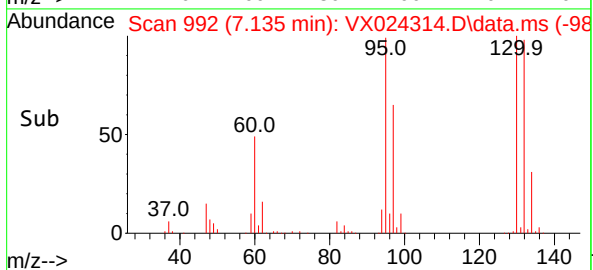
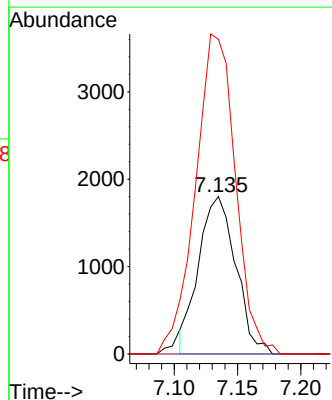
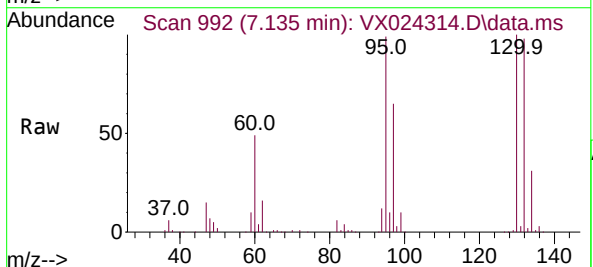
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210915

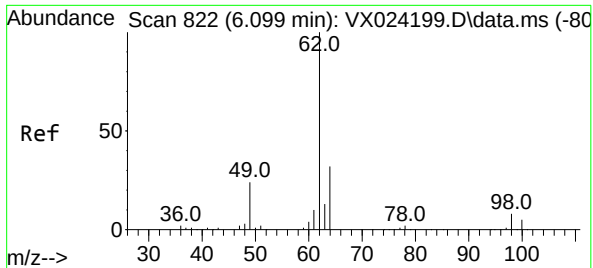
Tgt Ion:117 Resp: 4254
Ion Ratio Lower Upper
117 100
119 101.6 76.2 114.2
121 31.7 24.8 37.2



#39
Methylcyclohexane
Concen: 1.426 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX024314.D
Acq: 17 Sep 2021 17:08

Tgt Ion: 83 Resp: 3684
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 199.7 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 0.241 ug/l

RT: 6.111 min Scan# 824

Delta R.T. 0.012 min

Lab File: VX024314.D

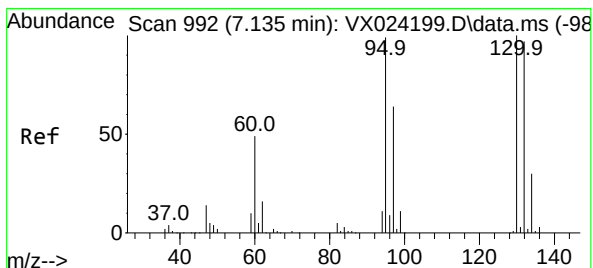
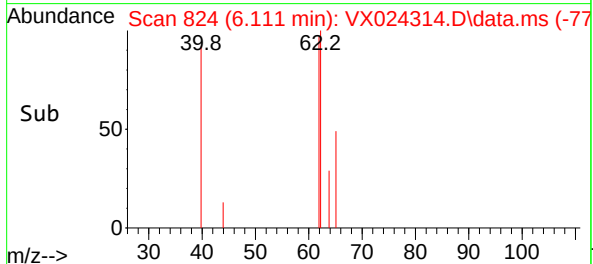
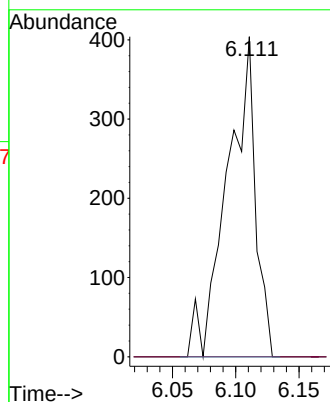
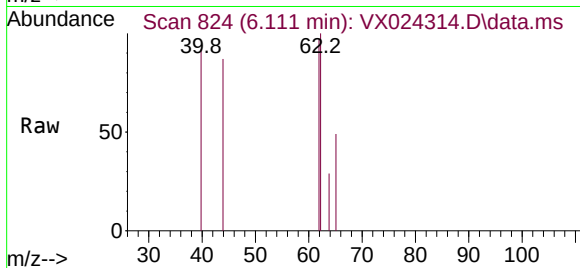
Acq: 17 Sep 2021 17:08

Tgt Ion: 62 Resp: 625

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 172.035 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.000 min

Lab File: VX024314.D

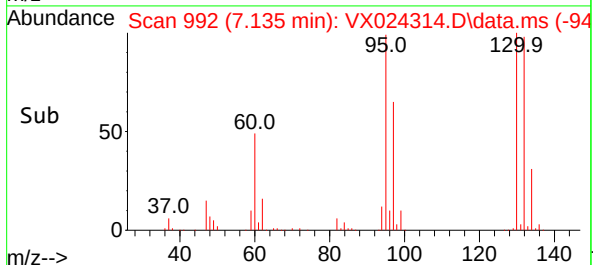
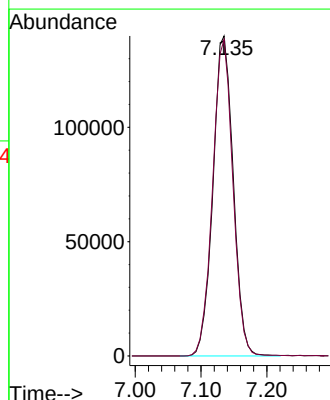
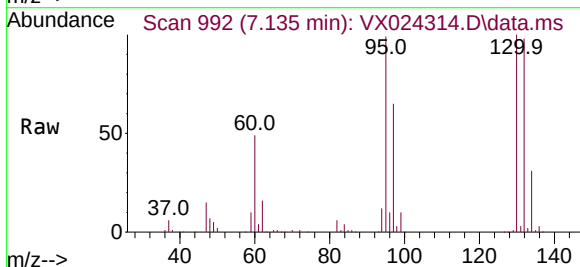
Acq: 17 Sep 2021 17:08

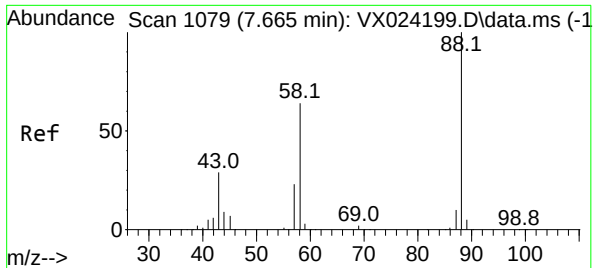
Tgt Ion:130 Resp: 300086

Ion Ratio Lower Upper

130 100

95 98.9 0.0 198.0

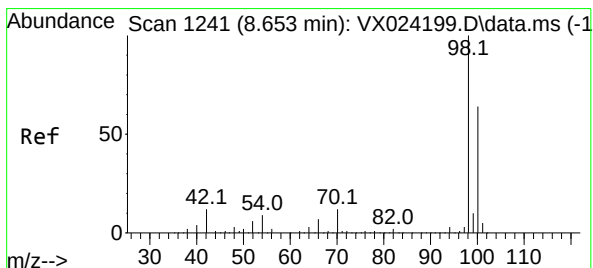
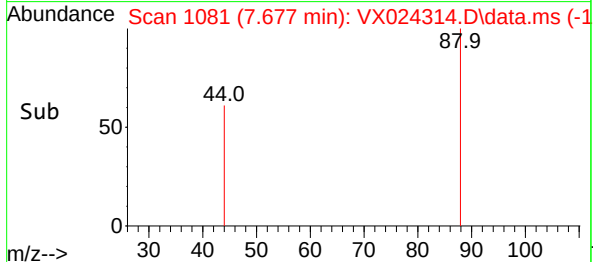
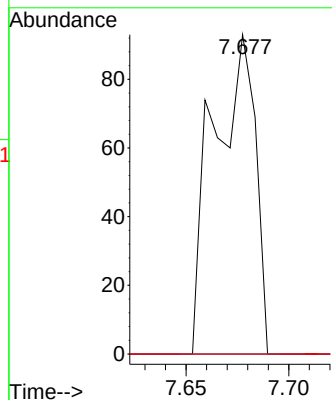
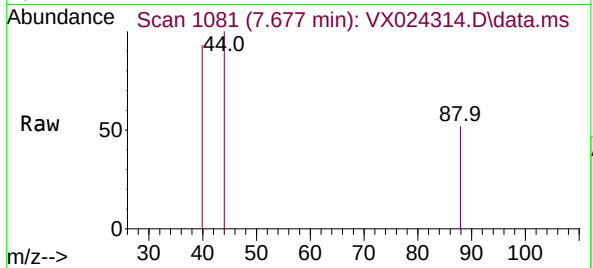




#49
1,4-Dioxane
Concen: 3.123 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.012 min
Lab File: VX024314.D
Acq: 17 Sep 2021 17:08

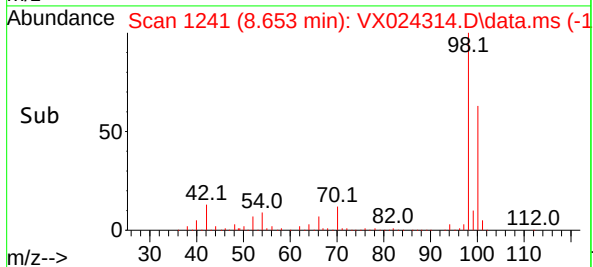
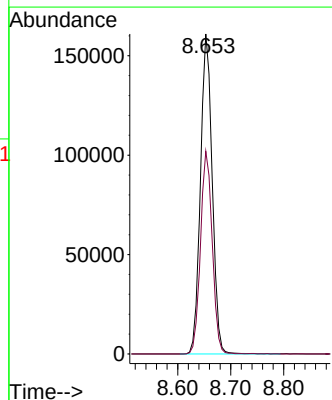
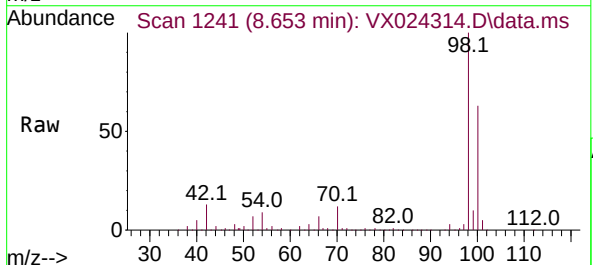
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210915

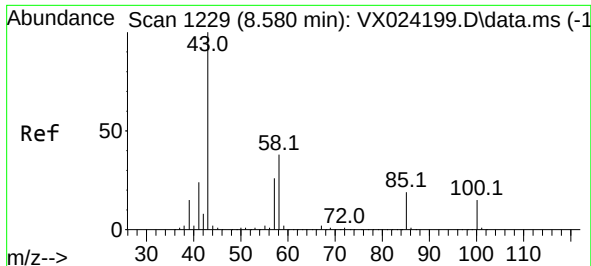
Tgt Ion: 88 Resp: 131
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 0.0 55.0 82.4#



#50
Toluene-d8
Concen: 43.101 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024314.D
Acq: 17 Sep 2021 17:08

Tgt Ion: 98 Resp: 247915
Ion Ratio Lower Upper
98 100
100 63.2 51.9 77.9

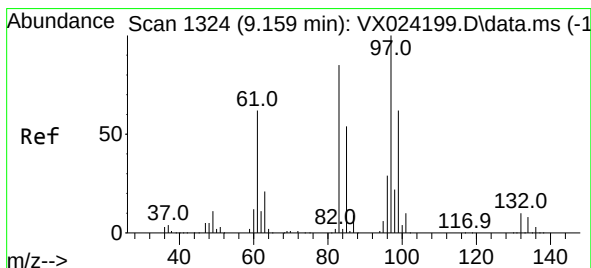
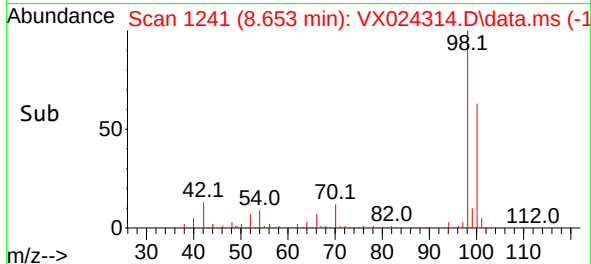
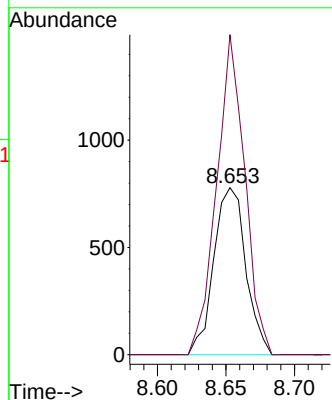
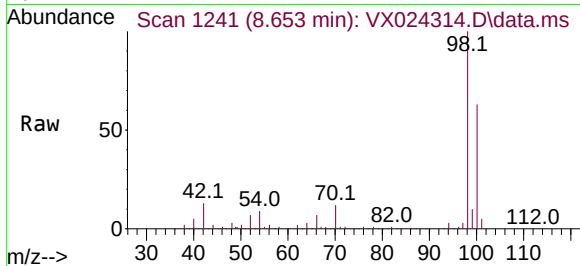




#51
4-Methyl-2-Pentanone
Concen: 0.494 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024314.D
Acq: 17 Sep 2021 17:08

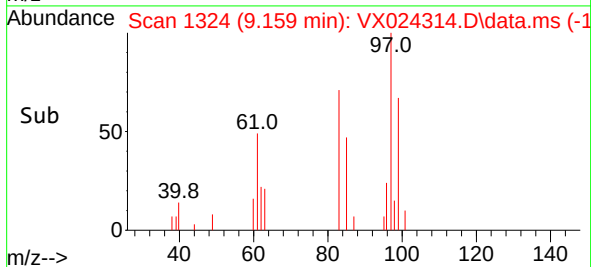
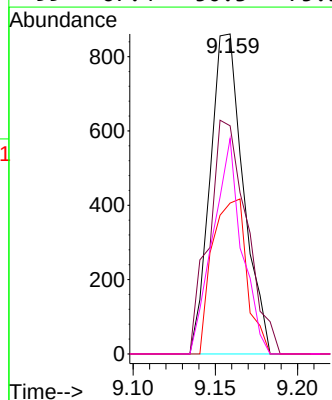
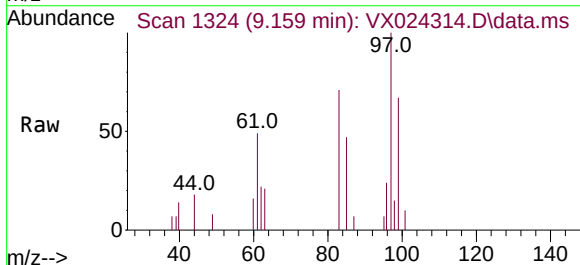
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210915

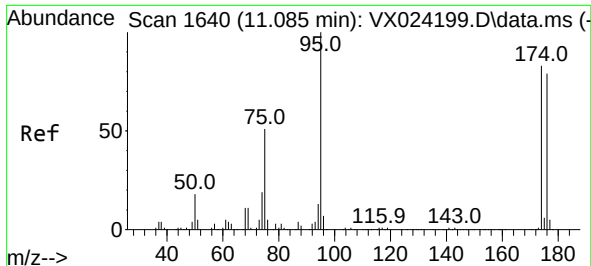
Tgt Ion: 43 Resp: 1265
Ion Ratio Lower Upper
43 100
58 169.1 35.4 53.0#



#55
1,1,2-Trichloroethane
Concen: 0.697 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. -0.000 min
Lab File: VX024314.D
Acq: 17 Sep 2021 17:08

Tgt Ion: 97 Resp: 1207
Ion Ratio Lower Upper
97 100
83 71.3 69.3 103.9
85 47.2 44.3 66.5
99 67.4 50.3 75.5

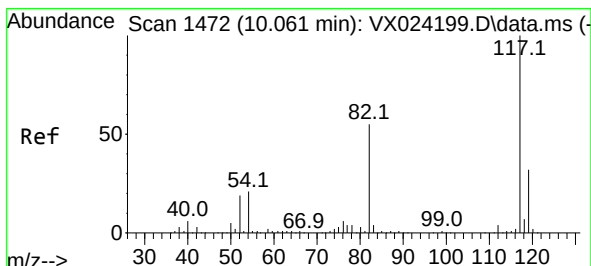
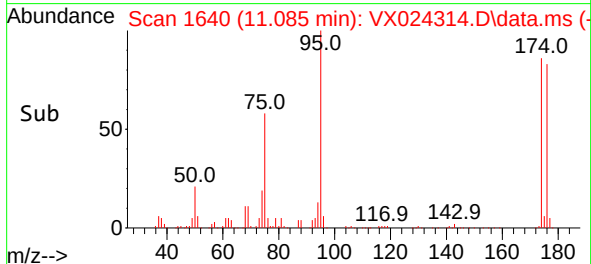
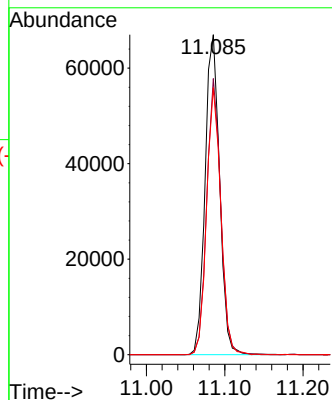
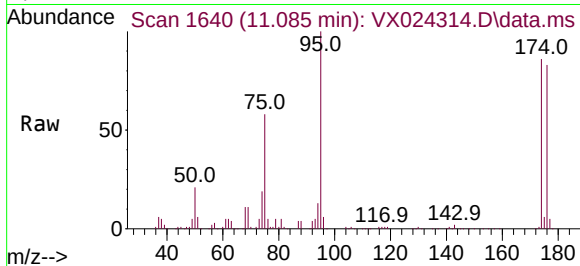




#62
4-Bromofluorobenzene
Concen: 38.402 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024314.D
Acq: 17 Sep 2021 17:08

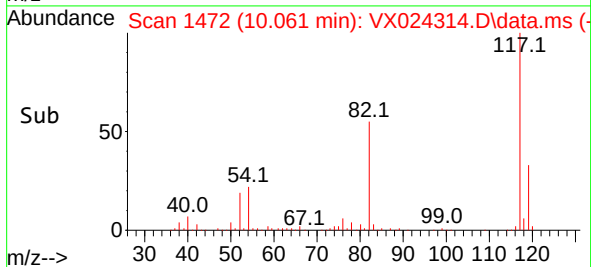
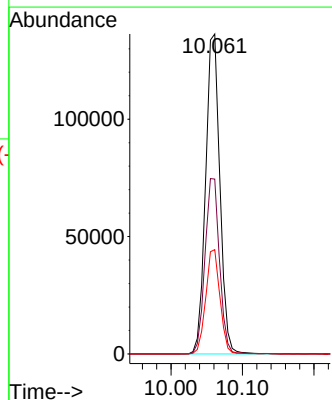
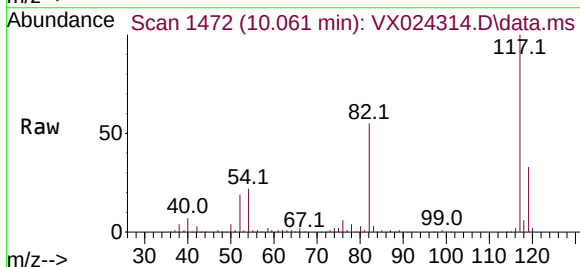
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210915

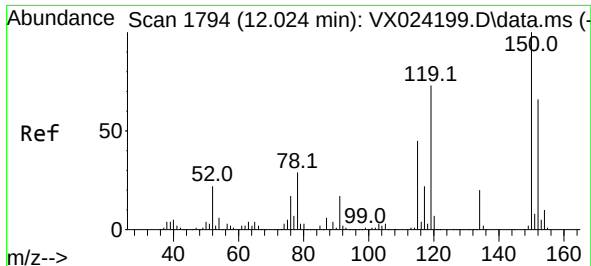
Tgt Ion: 95 Resp: 85961
Ion Ratio Lower Upper
95 100
174 83.3 0.0 154.6
176 81.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX024314.D
Acq: 17 Sep 2021 17:08

Tgt Ion: 117 Resp: 189354
Ion Ratio Lower Upper
117 100
82 54.6 47.4 71.2
119 32.6 26.6 39.8

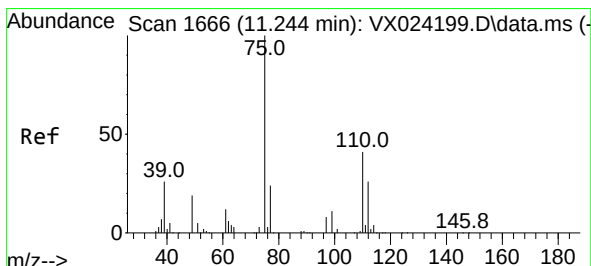
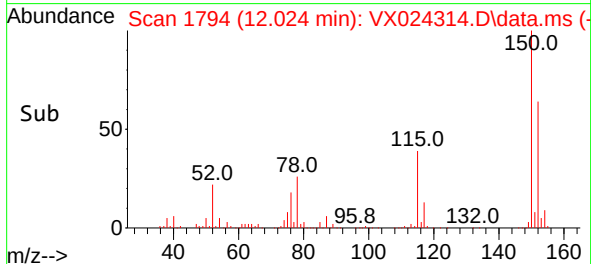
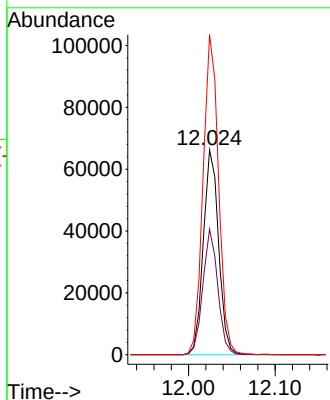
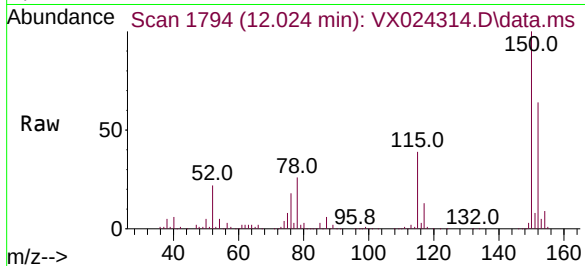




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024314.D
Acq: 17 Sep 2021 17:08

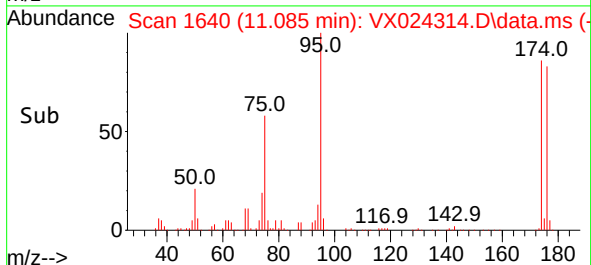
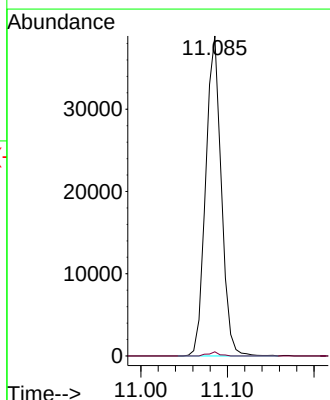
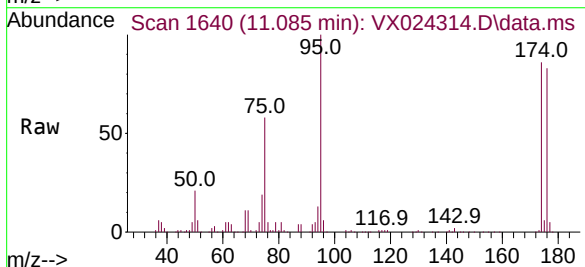
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210915

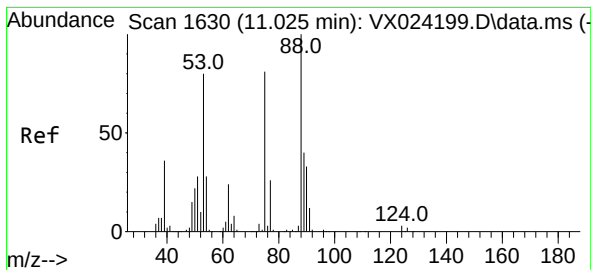
Tgt Ion:152 Resp: 81186
Ion Ratio Lower Upper
152 100
115 60.0 41.1 123.3
150 158.4 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 26.031 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024314.D
Acq: 17 Sep 2021 17:08

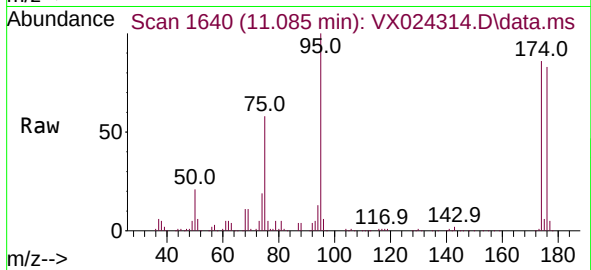
Tgt Ion: 75 Resp: 48595
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.558 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.060 min
 Lab File: VX024314.D
 Acq: 17 Sep 2021 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 RE139D2-20210915



Tgt Ion: 75 Resp: 48595
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

