

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091721\
 Data File : VX024338.D
 Acq On : 18 Sep 2021 03:44
 Operator : JC/MD
 Sample : M3782-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

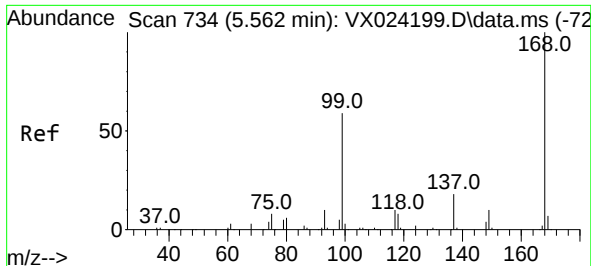
Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D3-20210915

Quant Time: Sep 20 02:45:36 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	5.568	168	113801	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	192373	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	185702	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	75275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	83915	51.711	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.420%	
35) Dibromofluoromethane	5.397	113	65918	51.094	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.180%	
50) Toluene-d8	8.653	98	236174	50.251	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.500%	
62) 4-Bromofluorobenzene	11.085	95	82622	45.172	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.340%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	323	0.295	ug/l	81
3) Chloromethane	1.301	50	388	0.340	ug/l	99
5) Bromomethane	1.624	94	342	0.505	ug/l	97
6) Chloroethane	1.709	64	146	2.153	ug/l #	43
8) Diethyl Ether	2.337	74	507	0.768	ug/l #	5
9) 1,1,2-Trichlorotrifluo...	2.337	101	508295	453.687	ug/l	95
11) Tert butyl alcohol	2.965	59	250	Below Cal	#	73
12) 1,1-Dichloroethene	2.331	96	3694	3.520	ug/l #	88
14) Allyl chloride	2.544	41	731	0.383	ug/l #	33
16) Acetone	2.392	43	1983	2.866	ug/l	93
20) Methylene Chloride	2.794	84	390	0.294	ug/l #	66
27) cis-1,2-Dichloroethene	4.501	96	1570	1.183	ug/l	97
30) Chloroform	5.105	83	485	0.208	ug/l	91
31) Cyclohexane	5.568	56	2381	1.254	ug/l #	16
36) 1,1-Dichloropropene	5.562	75	9135	5.165	ug/l #	49
38) Carbon Tetrachloride	5.690	117	534	0.268	ug/l #	45
39) Methylcyclohexane	7.135	83	620	0.294	ug/l #	1
42) 1,2-Dichloroethane	6.098	62	612	0.289	ug/l #	73
44) Trichloroethene	7.135	130	43857	30.770	ug/l	98
45) 1,2-Dichloropropane	7.440	63	778	0.581	ug/l #	83
49) 1,4-Dioxane	7.677	88	297	8.665	ug/l #	82
51) 4-Methyl-2-Pentanone	8.647	43	1305	0.624	ug/l #	1
60) Dibromochloromethane	9.275	129	17551	12.279	ug/l #	11
64) Tetrachloroethene	9.281	164	16771	11.658	ug/l	92
76) 1,2,3-Trichloropropane	11.085	75	45898	26.517	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	45898	77.987	ug/l #	12

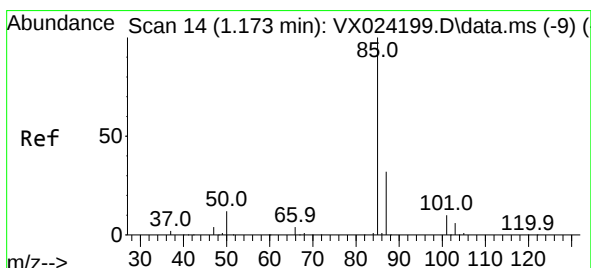
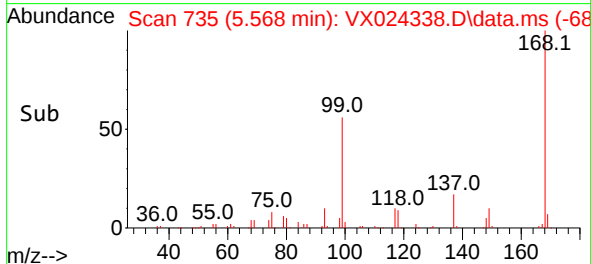
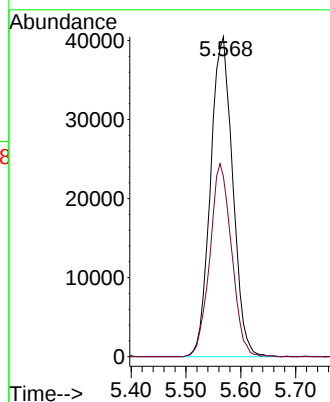
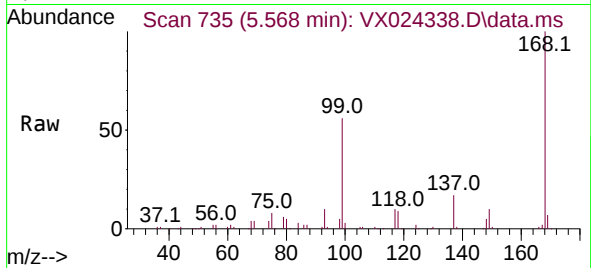
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

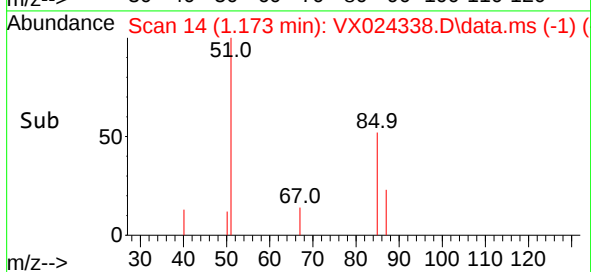
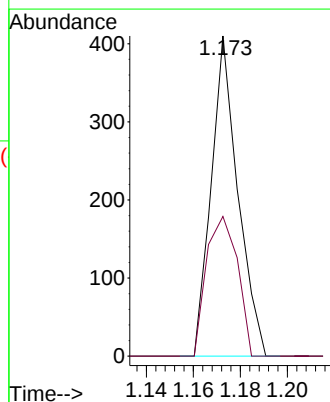
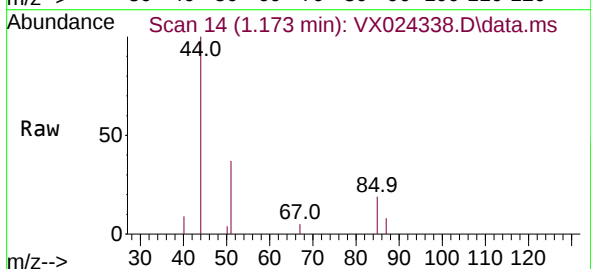
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MSVOA_X
ClientSampleId :
RE131D3-20210915

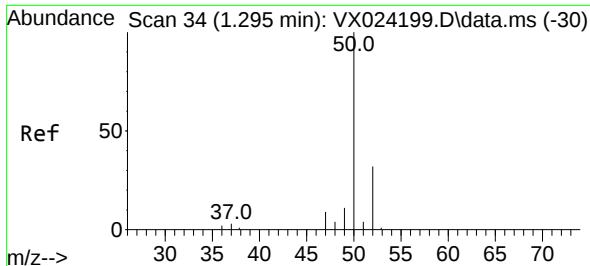
Tgt Ion:168 Resp: 113801
Ion Ratio Lower Upper
168 100
99 56.3 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.295 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

Tgt Ion: 85 Resp: 323
Ion Ratio Lower Upper
85 100
87 43.7 16.4 49.2

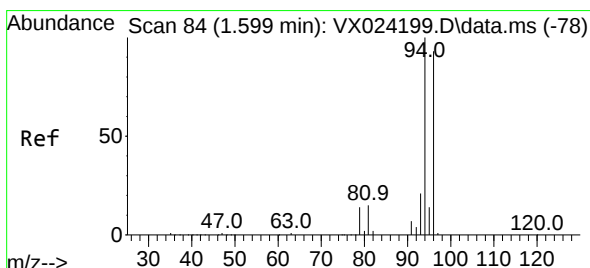
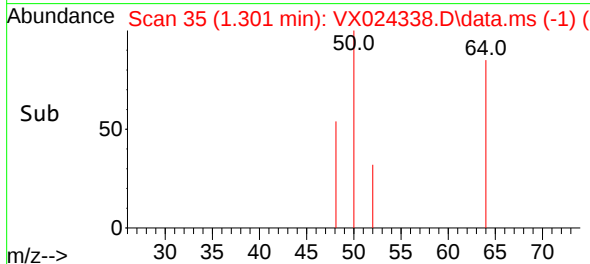
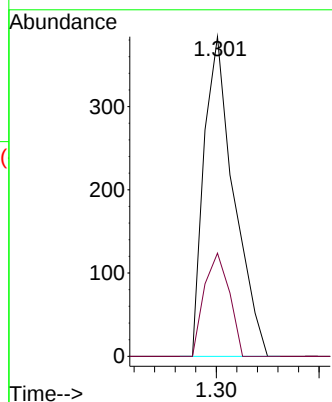
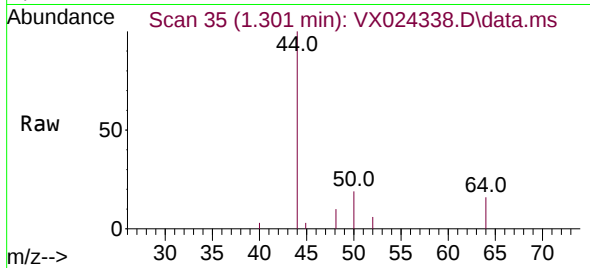




#3
Chloromethane
Concen: 0.340 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

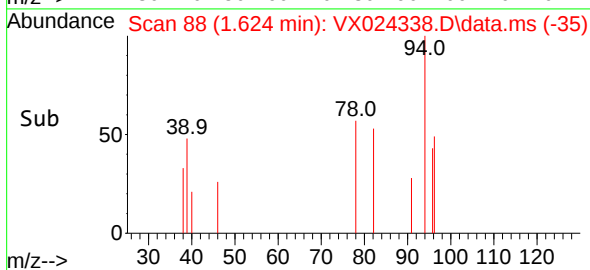
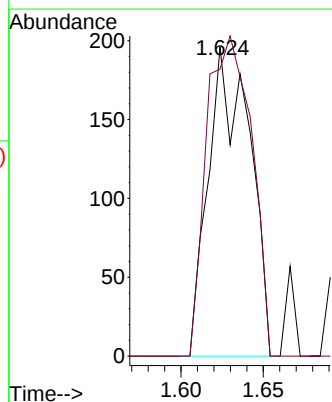
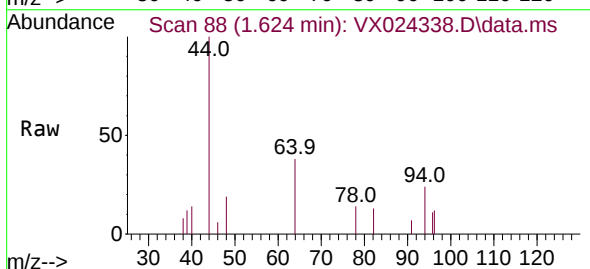
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20210915

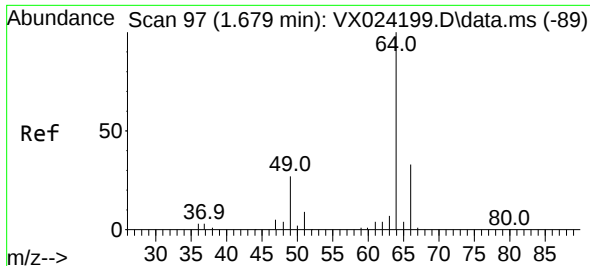
Tgt Ion: 50 Resp: 388
Ion Ratio Lower Upper
50 100
52 32.3 26.4 39.6



#5
Bromomethane
Concen: 0.505 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

Tgt Ion: 94 Resp: 342
Ion Ratio Lower Upper
94 100
96 92.9 76.4 114.6

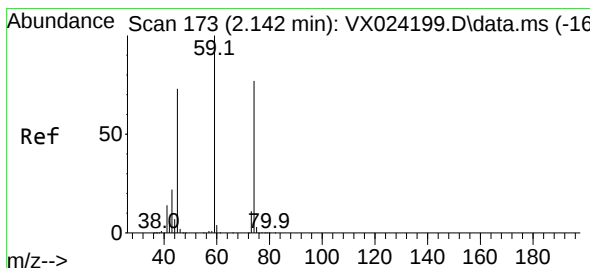
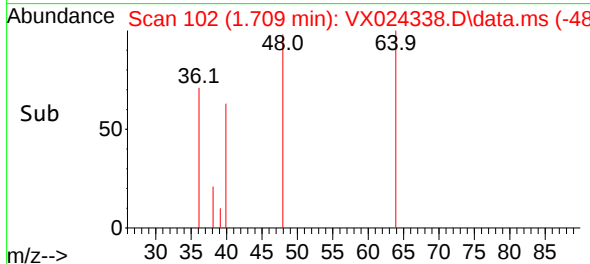
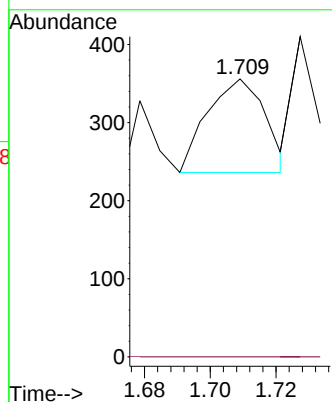
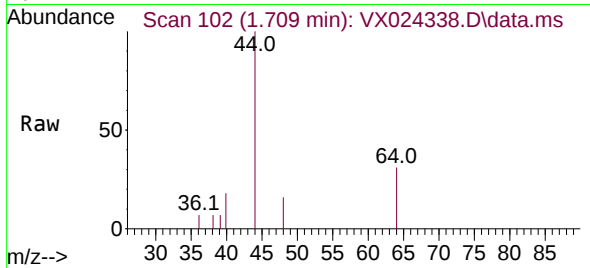




#6
Chloroethane
Concen: 2.153 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.030 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

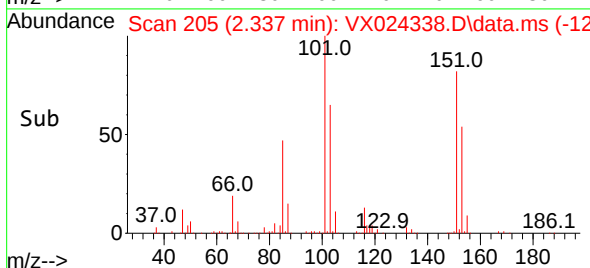
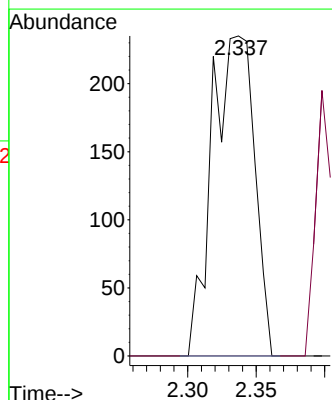
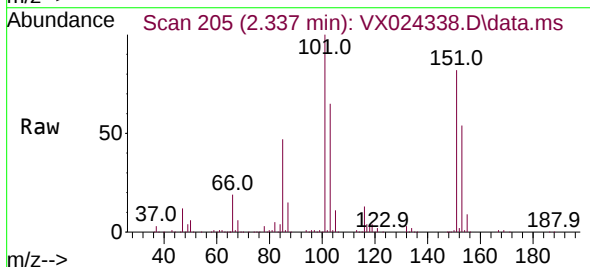
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20210915

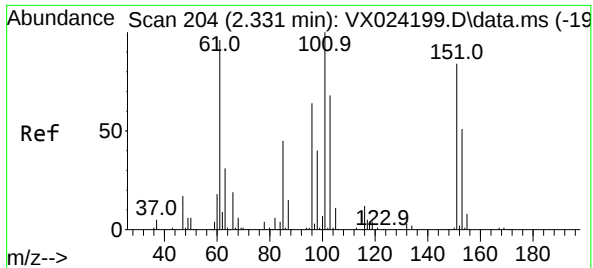
Tgt Ion: 64 Resp: 146
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#8
Diethyl Ether
Concen: 0.768 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.195 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

Tgt Ion: 74 Resp: 507
Ion Ratio Lower Upper
74 100
45 0.0 44.5 133.5#

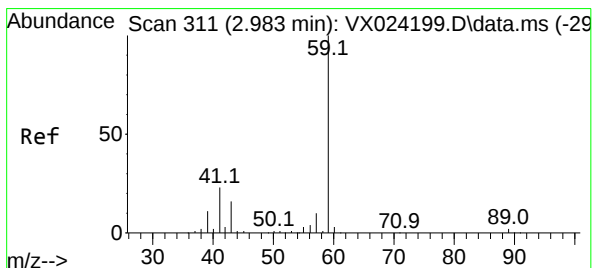
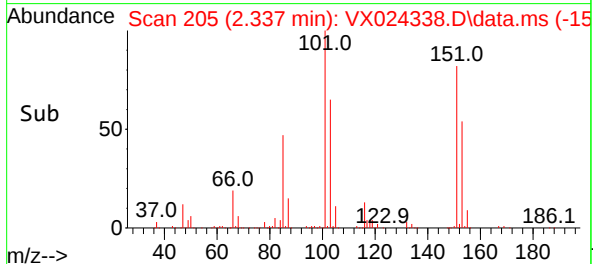
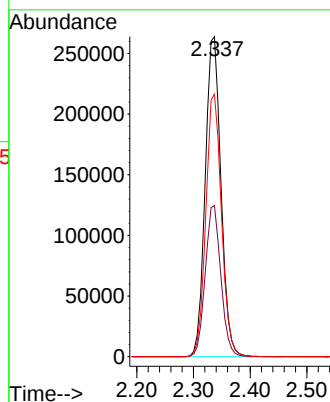
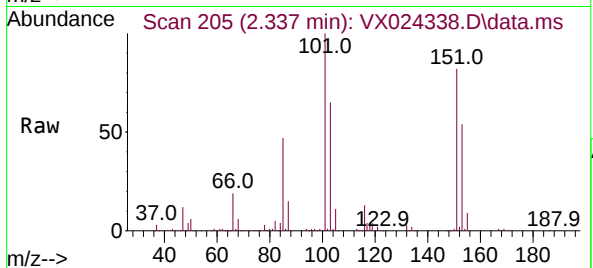




#9
1,1,2-Trichlorotrifluoroethane
Concen: 453.687 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

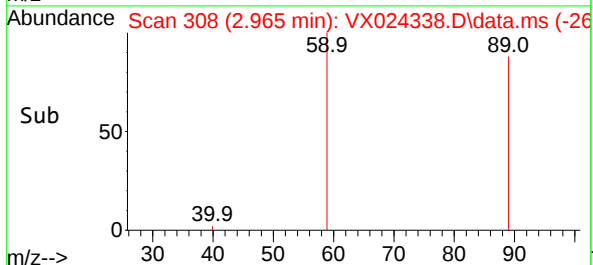
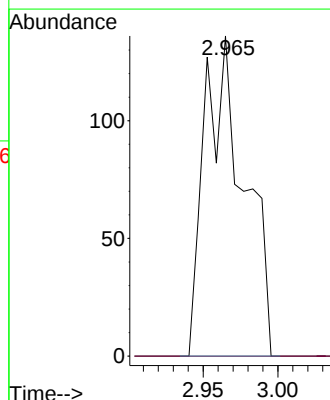
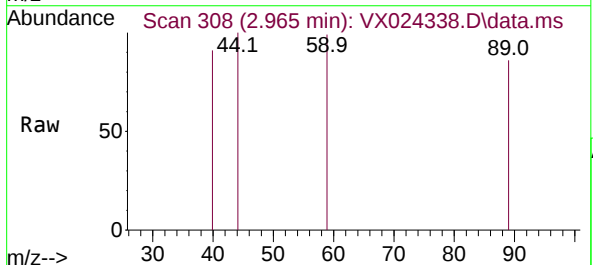
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20210915

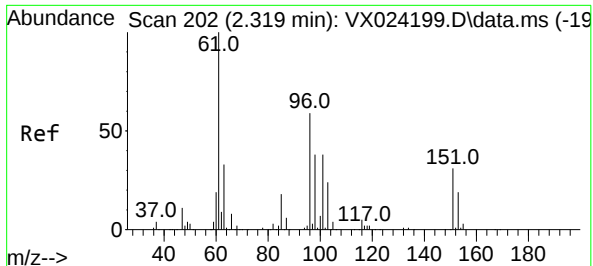
Tgt Ion:101 Resp: 508295
Ion Ratio Lower Upper
101 100
85 46.9 34.9 52.3
151 81.5 61.4 92.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

Tgt Ion: 59 Resp: 250
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 3.520 ug/l

RT: 2.331 min Scan# 204

Delta R.T. 0.012 min

Lab File: VX024338.D

Acq: 18 Sep 2021 03:44

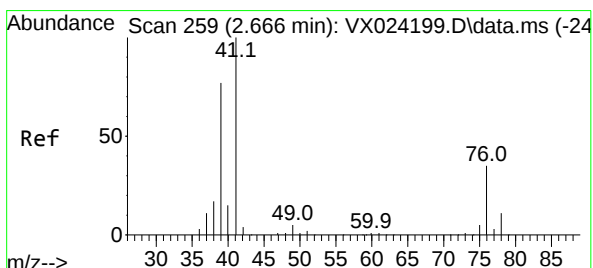
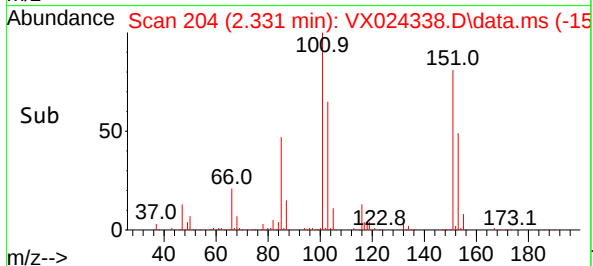
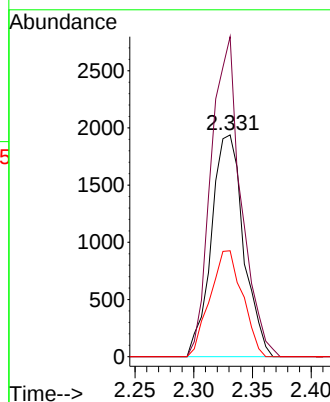
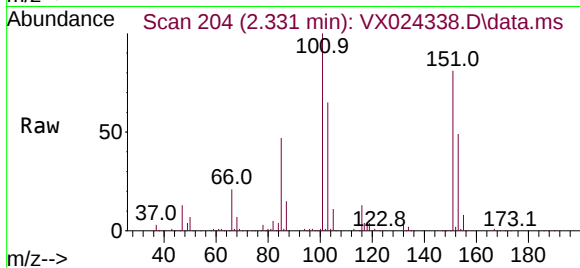
Tgt Ion: 96 Resp: 3694

Ion Ratio Lower Upper

96 100

61 144.3 124.6 187.0

98 47.8 50.6 76.0#



#14

Allyl chloride

Concen: 0.383 ug/l

RT: 2.544 min Scan# 239

Delta R.T. -0.122 min

Lab File: VX024338.D

Acq: 18 Sep 2021 03:44

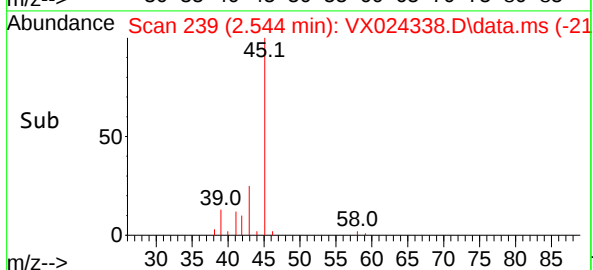
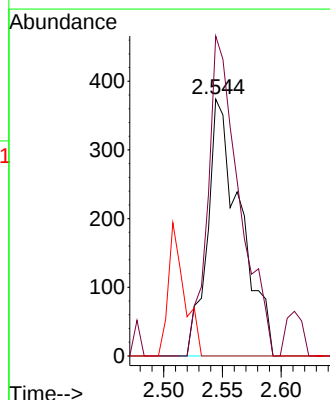
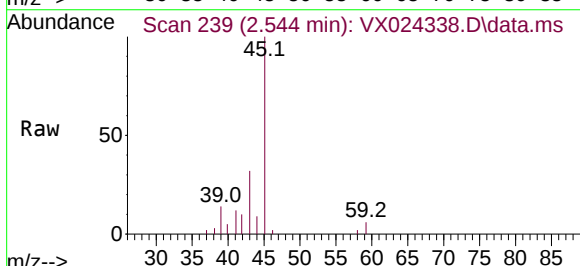
Tgt Ion: 41 Resp: 731

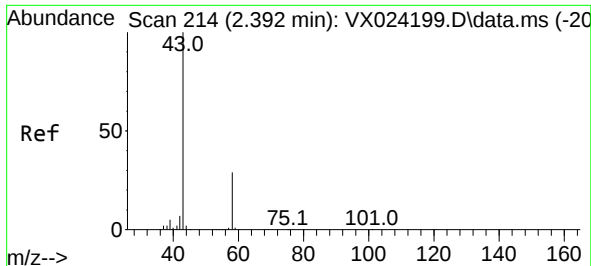
Ion Ratio Lower Upper

41 100

39 119.2 51.6 77.4#

76 0.0 30.5 45.7#

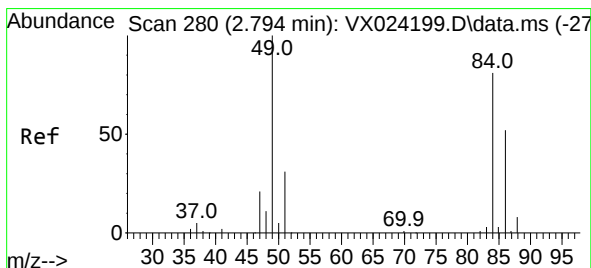
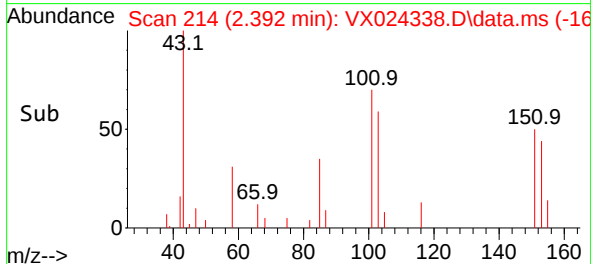
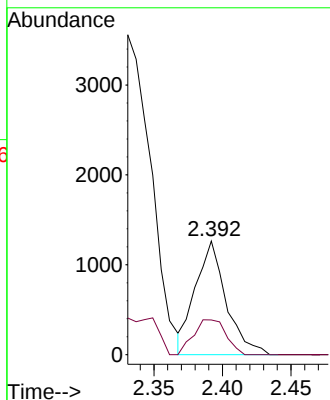
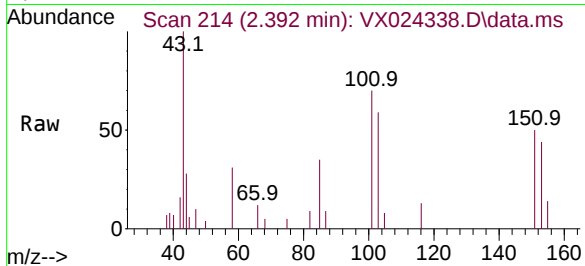




#16
Acetone
Concen: 2.866 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

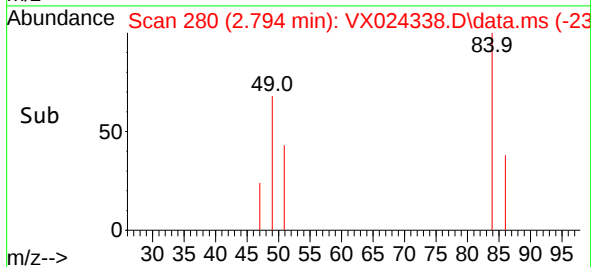
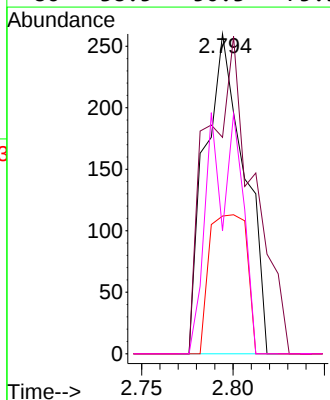
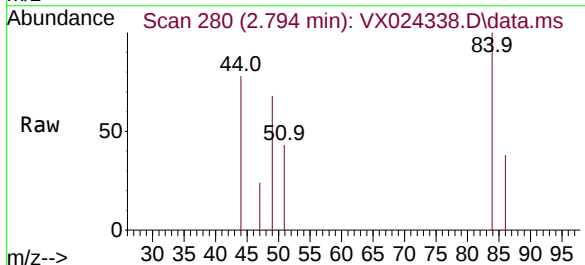
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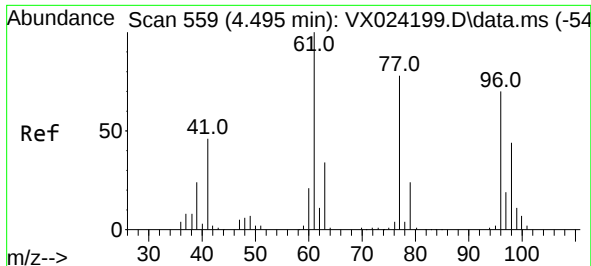
Tgt Ion: 43 Resp: 1983
Ion Ratio Lower Upper
43 100
58 30.6 27.8 41.8



#20
Methylene Chloride
Concen: 0.294 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

Tgt Ion: 84 Resp: 390
Ion Ratio Lower Upper
84 100
49 67.7 88.6 132.8#
51 43.1 27.0 40.6#
86 38.5 50.3 75.5#

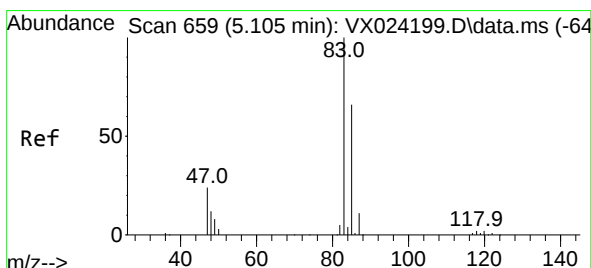
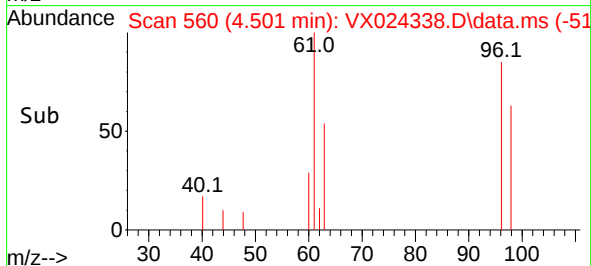
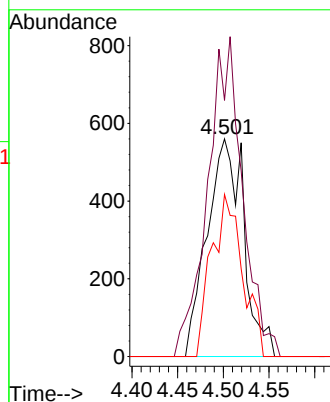
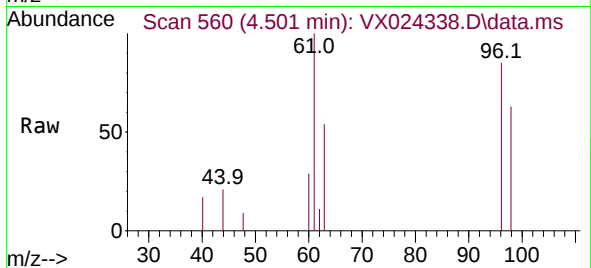




#27
cis-1,2-Dichloroethene
Concen: 1.183 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

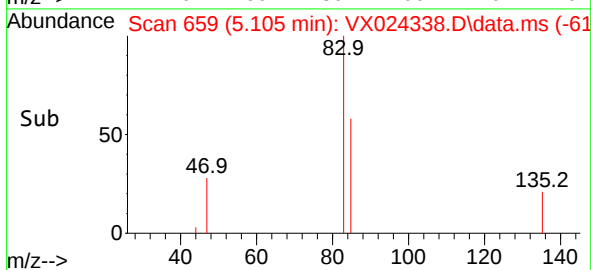
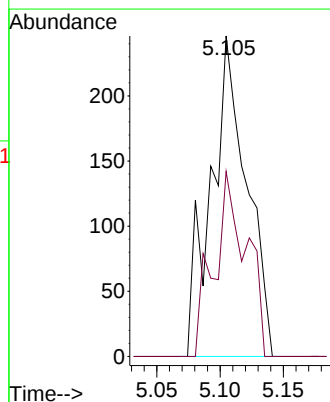
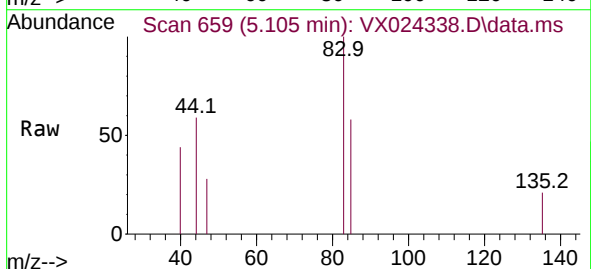
Instrument :
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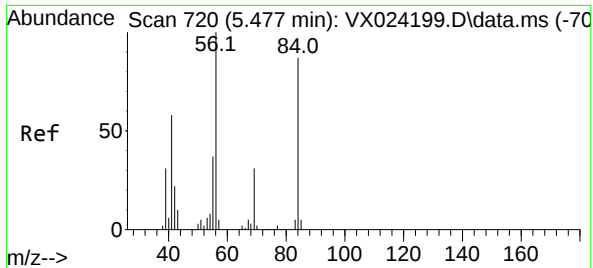
Tgt Ion: 96	Resp:	1570
Ion	Ratio	Lower Upper
96	100	
61	138.9	0.0 285.6
98	63.1	0.0 129.6



#30
Chloroform
Concen: 0.208 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

Tgt Ion: 83	Resp:	485
Ion	Ratio	Lower Upper
83	100	
85	57.7	52.0 78.0

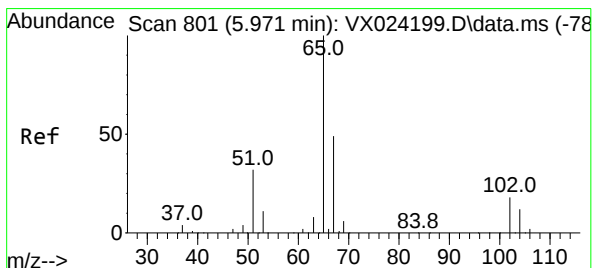
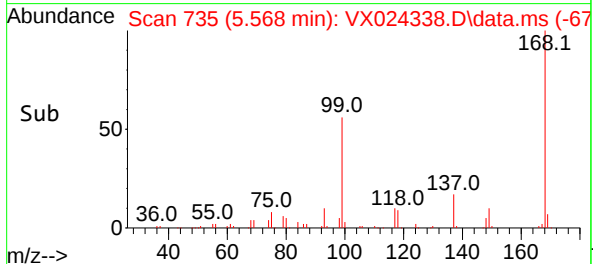
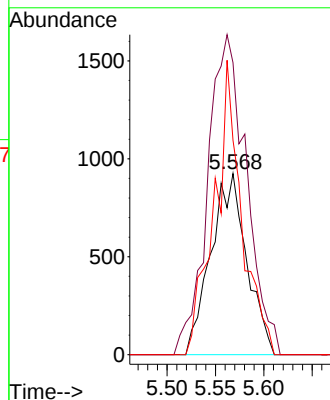
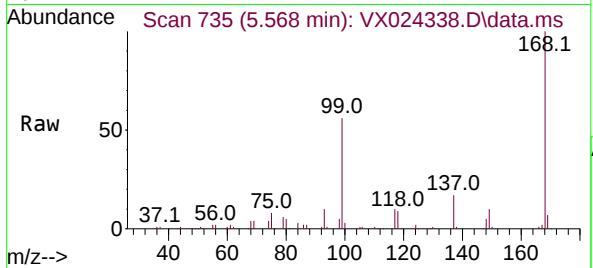




#31
Cyclohexane
Concen: 1.254 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

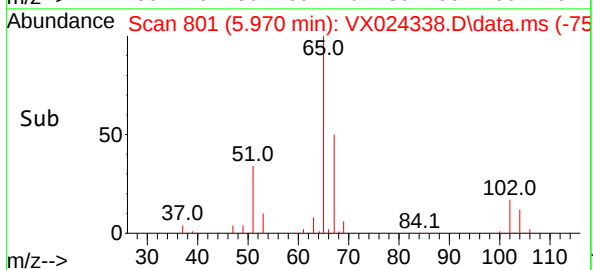
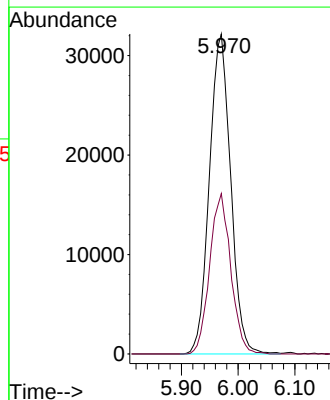
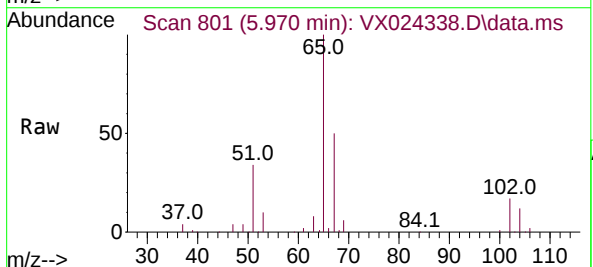
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20210915

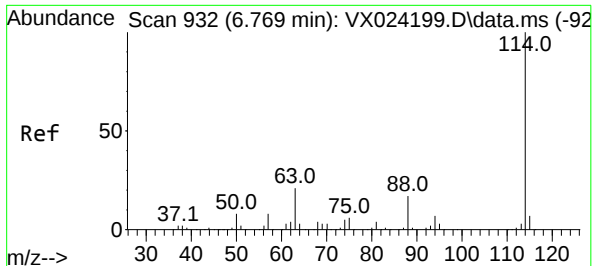
Tgt Ion: 56 Resp: 2381
Ion Ratio Lower Upper
56 100
69 161.2 25.3 37.9#
84 118.4 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.711 ug/l
RT: 5.970 min Scan# 801
Delta R.T. -0.001 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

Tgt Ion: 65 Resp: 83915
Ion Ratio Lower Upper
65 100
67 49.6 0.0 105.4

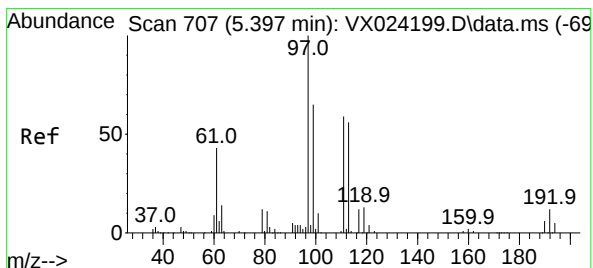
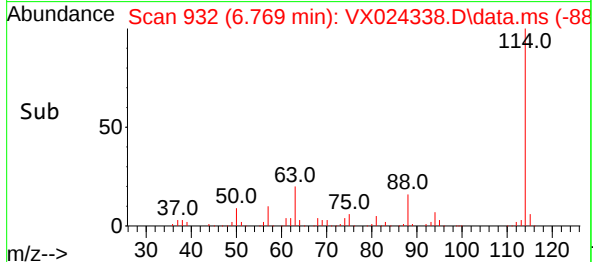
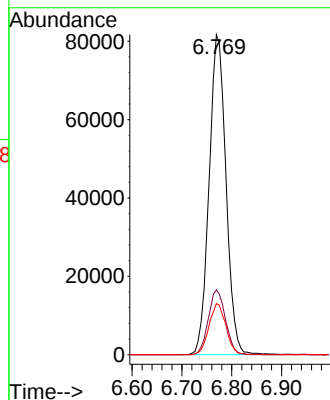
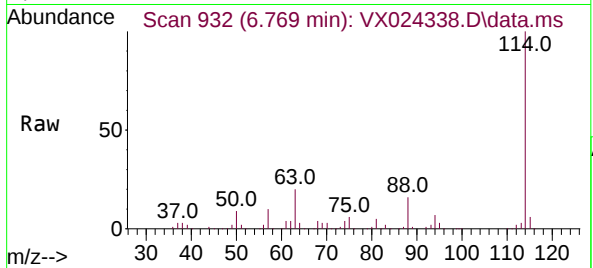




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

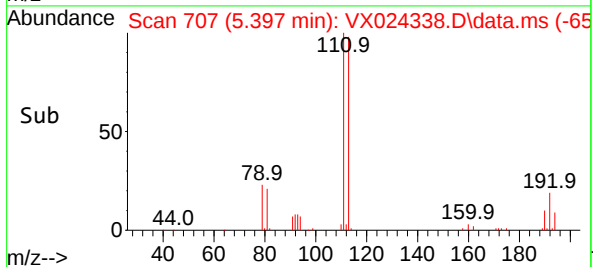
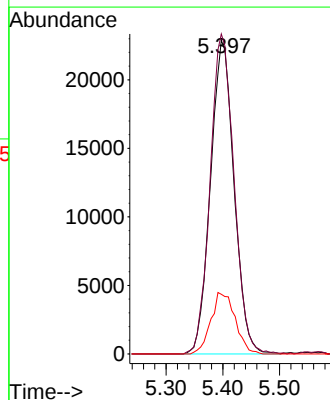
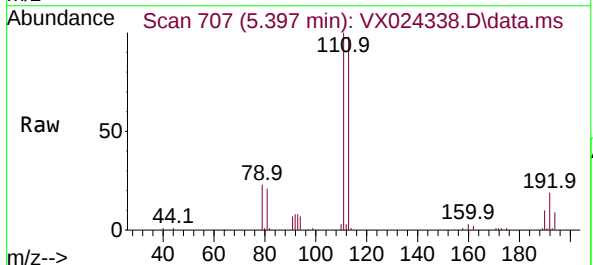
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20210915

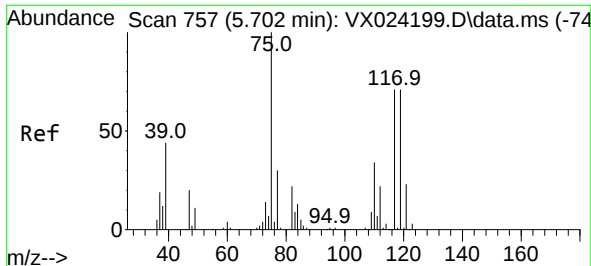
Tgt Ion:114 Resp: 192373
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 16.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.094 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

Tgt Ion:113 Resp: 65918
Ion Ratio Lower Upper
113 100
111 103.2 81.9 122.9
192 20.2 16.7 25.1

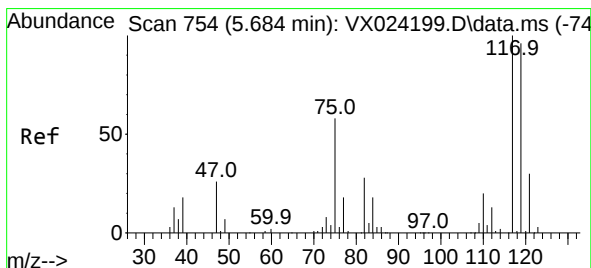
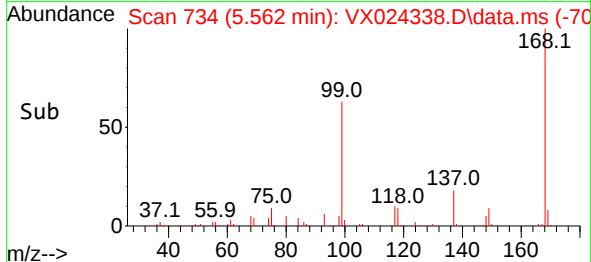
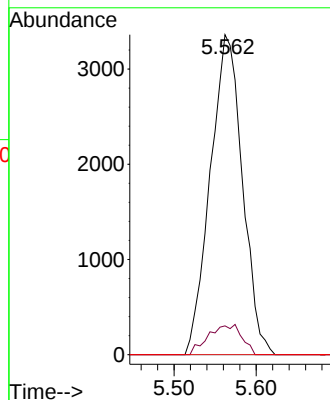
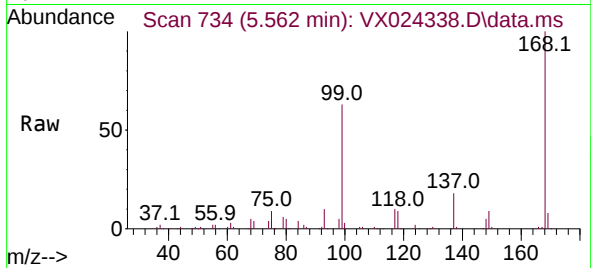




#36
1,1-Dichloropropene
Concen: 5.165 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

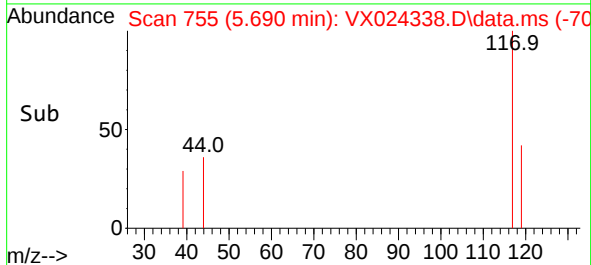
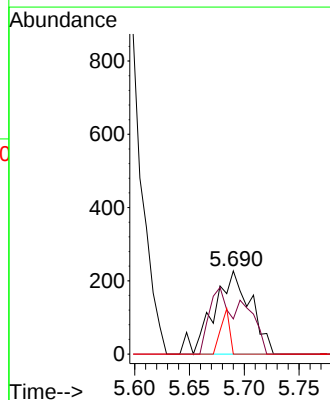
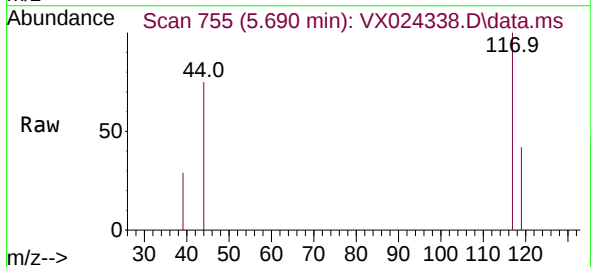
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20210915

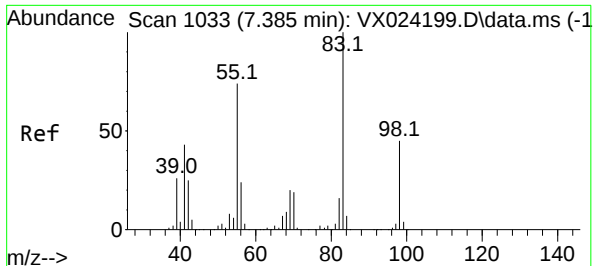
Tgt Ion: 75 Resp: 9135
Ion Ratio Lower Upper
75 100
110 9.7 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 0.268 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

Tgt Ion: 117 Resp: 534
Ion Ratio Lower Upper
117 100
119 42.3 76.2 114.2#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 0.294 ug/l

RT: 7.135 min Scan# 992

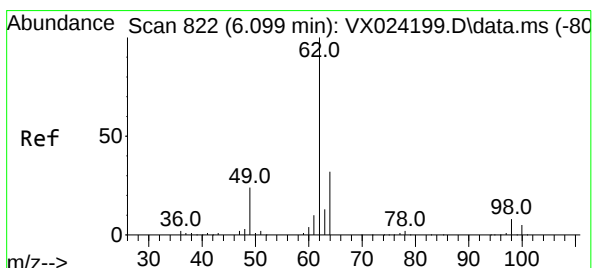
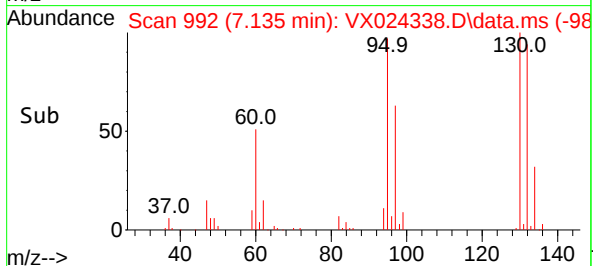
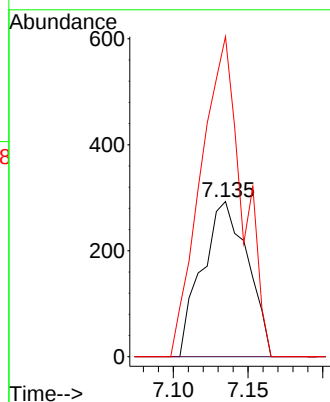
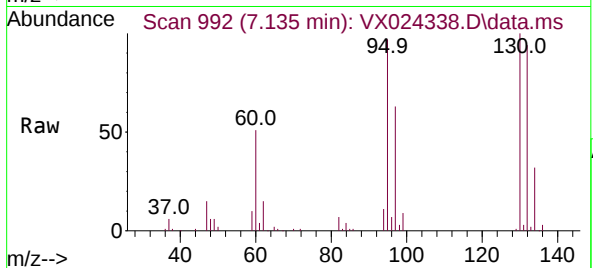
Delta R.T. -0.250 min

Lab File: VX024338.D

Acq: 18 Sep 2021 03:44

Tgt Ion: 83	Resp: 620
Ion Ratio	Lower Upper
83 100	
55 0.0	58.9 88.3#
98 206.1	38.1 57.1#

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20210915



#42

1,2-Dichloroethane

Concen: 0.289 ug/l

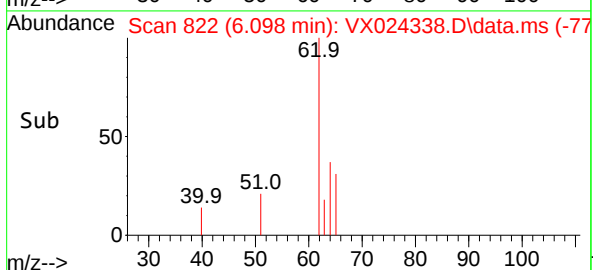
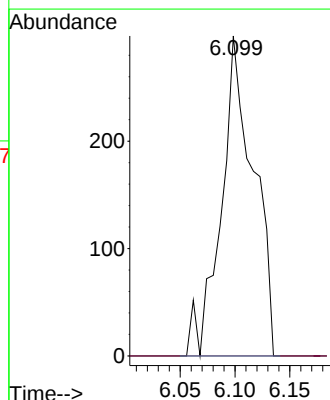
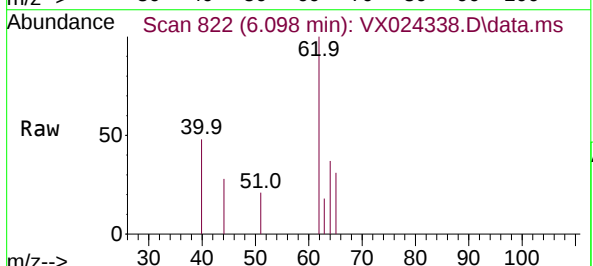
RT: 6.098 min Scan# 822

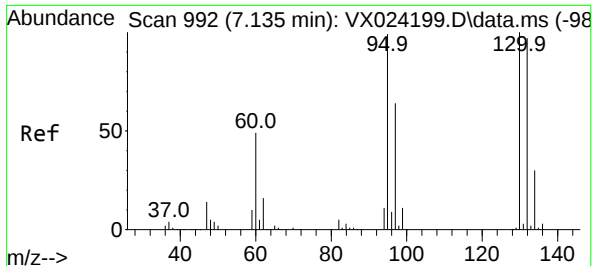
Delta R.T. -0.001 min

Lab File: VX024338.D

Acq: 18 Sep 2021 03:44

Tgt Ion: 62	Resp: 612
Ion Ratio	Lower Upper
62 100	
98 0.0	0.0 20.2

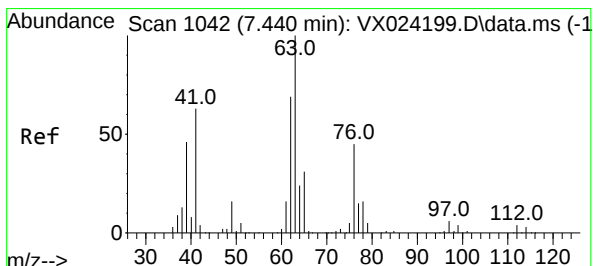
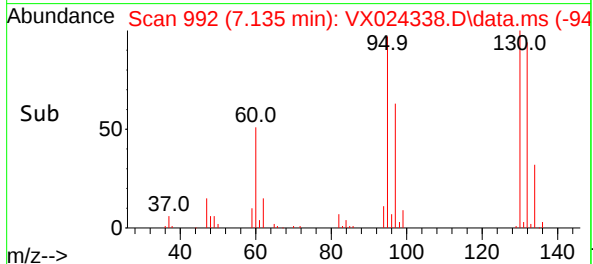
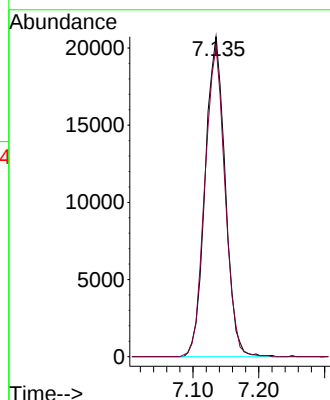
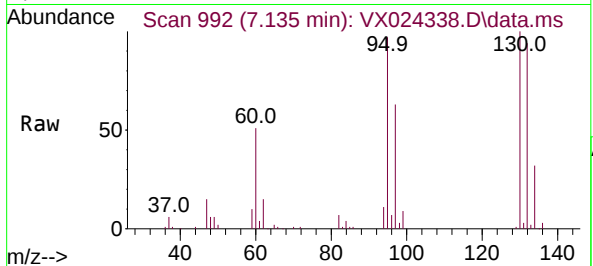




#44
Trichloroethene
Concen: 30.770 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

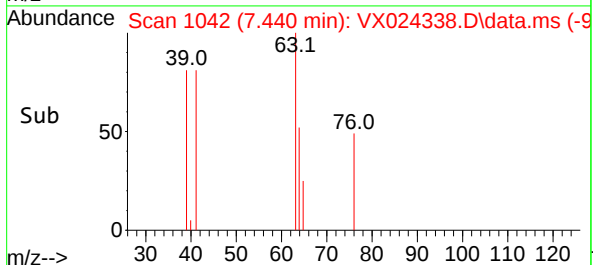
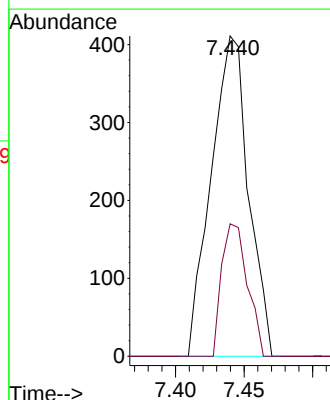
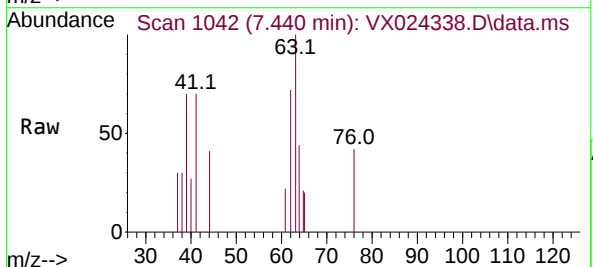
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20210915

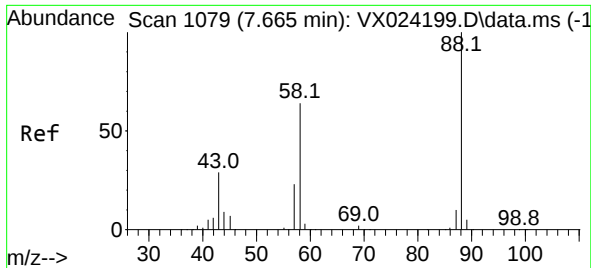
Tgt Ion:130 Resp: 43857
Ion Ratio Lower Upper
130 100
95 97.1 0.0 198.0



#45
1,2-Dichloropropane
Concen: 0.581 ug/l
RT: 7.440 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

Tgt Ion: 63 Resp: 778
Ion Ratio Lower Upper
63 100
65 41.4 25.7 38.5#

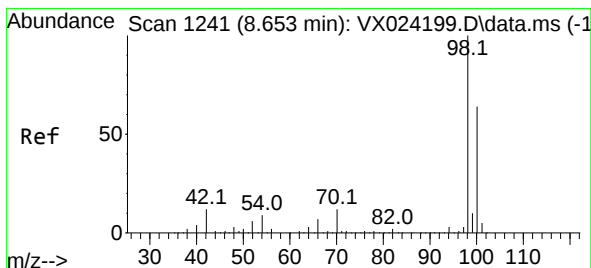
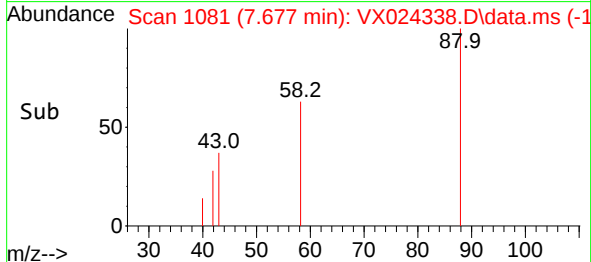
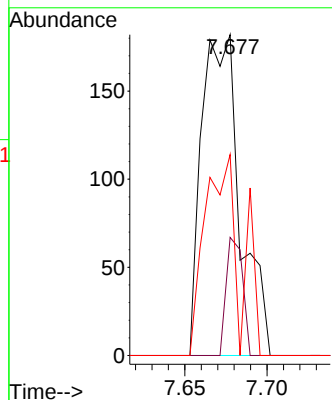
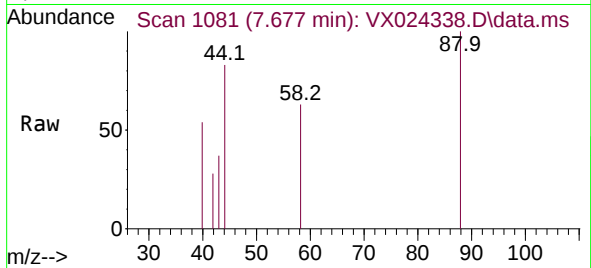




#49
1,4-Dioxane
Concen: 8.665 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.012 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

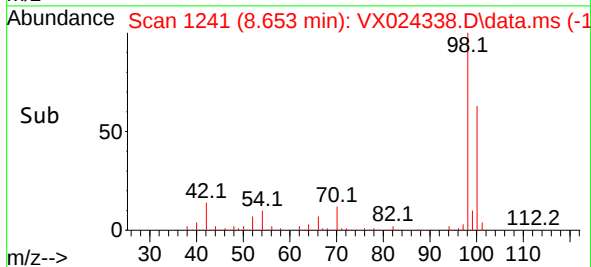
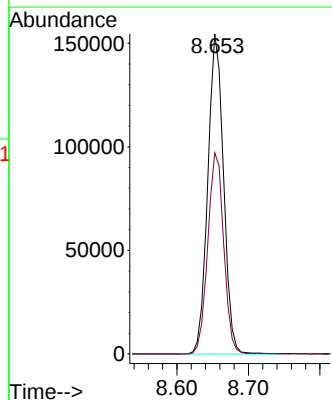
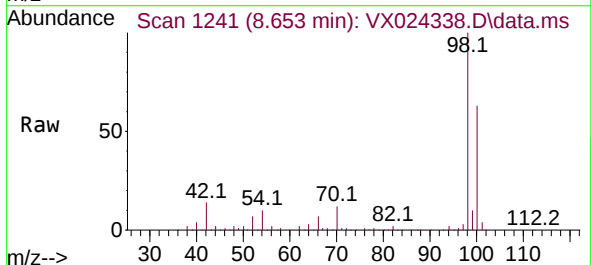
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20210915

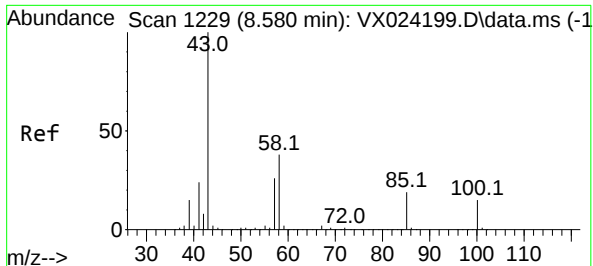
Tgt Ion: 88 Resp: 297
Ion Ratio Lower Upper
88 100
43 15.5 23.2 34.8#
58 56.9 55.0 82.4



#50
Toluene-d8
Concen: 50.251 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

Tgt Ion: 98 Resp: 236174
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9

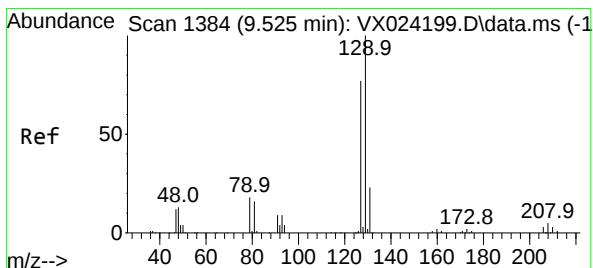
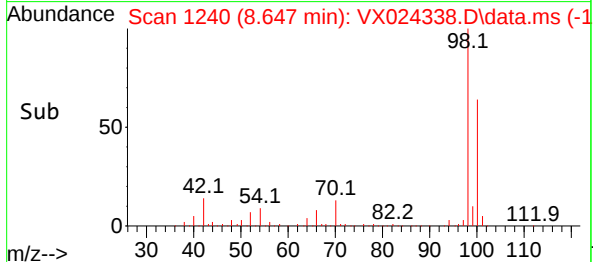
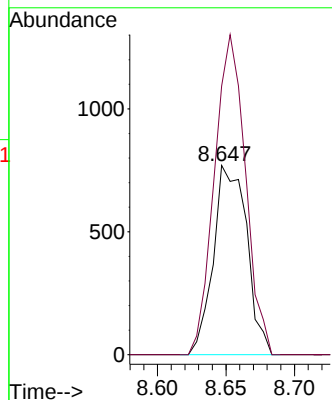
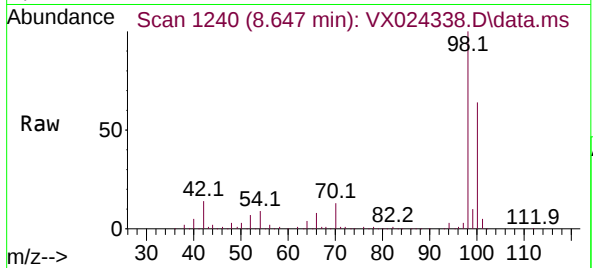




#51
4-Methyl-2-Pentanone
Concen: 0.624 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

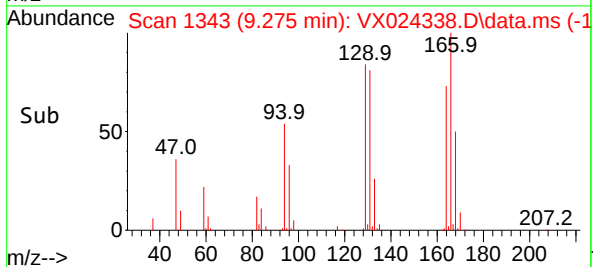
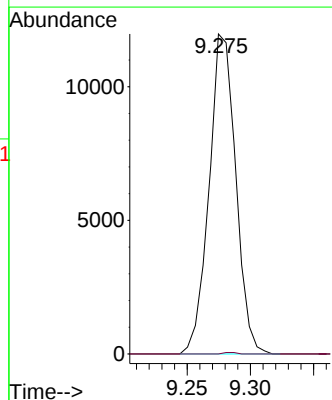
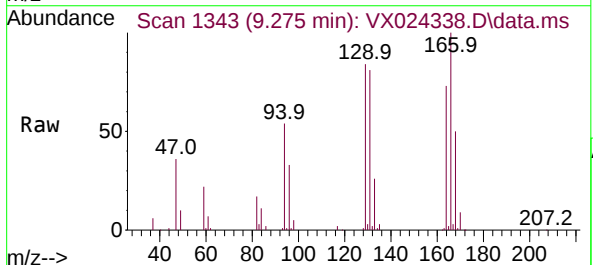
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20210915

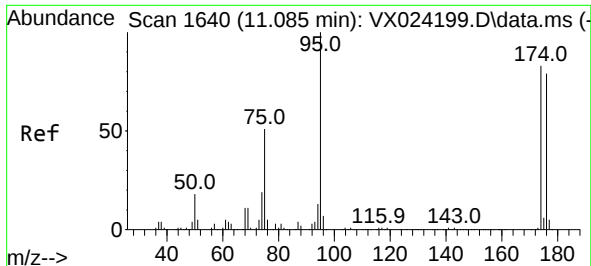
Tgt Ion: 43 Resp: 1305
Ion Ratio Lower Upper
43 100
58 157.4 35.4 53.0#



#60
Dibromochloromethane
Concen: 12.279 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

Tgt Ion: 129 Resp: 17551
Ion Ratio Lower Upper
129 100
127 0.2 38.4 115.2#

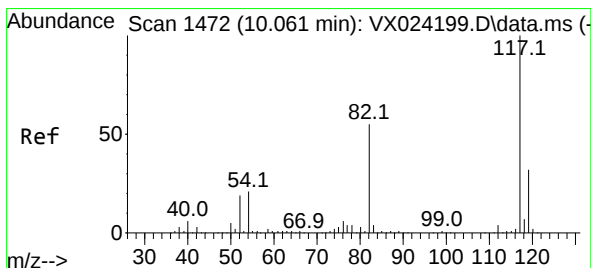
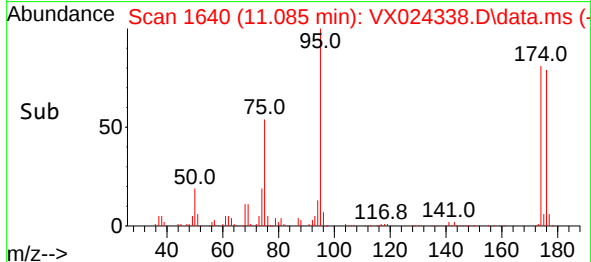
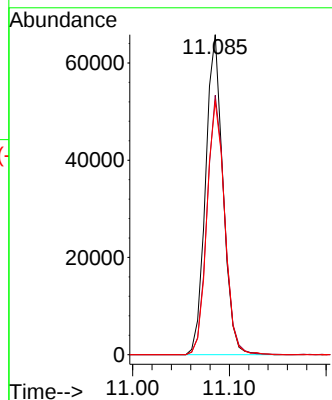
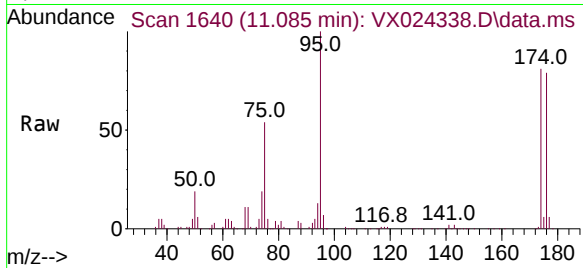




#62
4-Bromofluorobenzene
Concen: 45.172 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

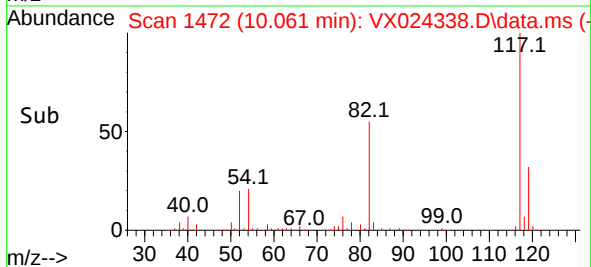
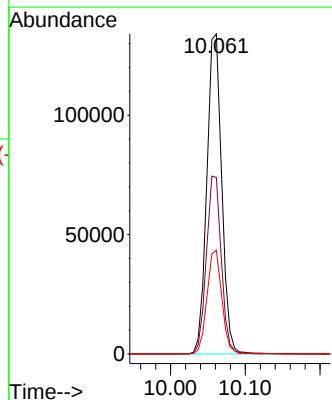
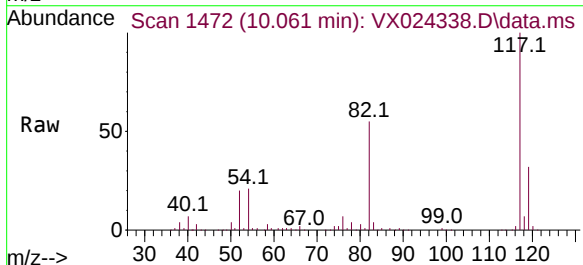
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20210915

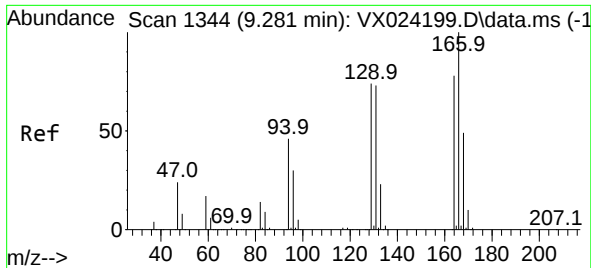
Tgt Ion: 95 Resp: 82622
Ion Ratio Lower Upper
95 100
174 81.8 0.0 154.6
176 80.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

Tgt Ion: 117 Resp: 185702
Ion Ratio Lower Upper
117 100
82 55.2 47.4 71.2
119 32.4 26.6 39.8



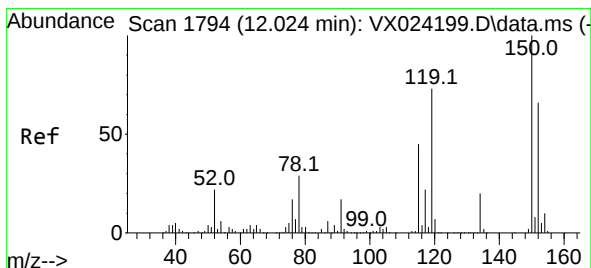
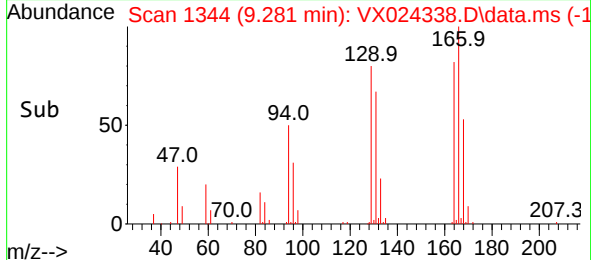
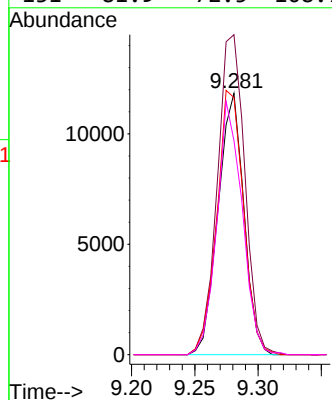
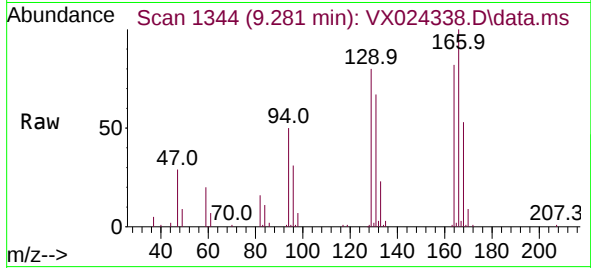


#64
Tetrachloroethene
Concen: 11.658 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.000 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20210915

Tgt Ion:164 Resp: 16771

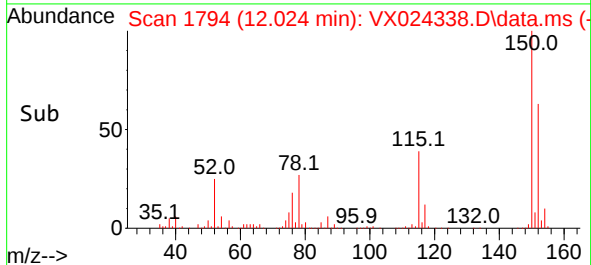
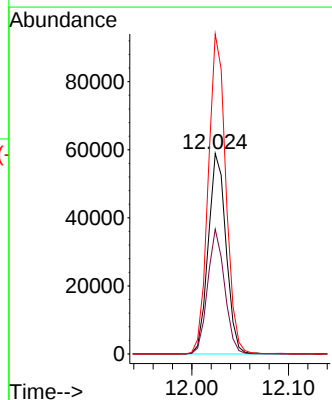
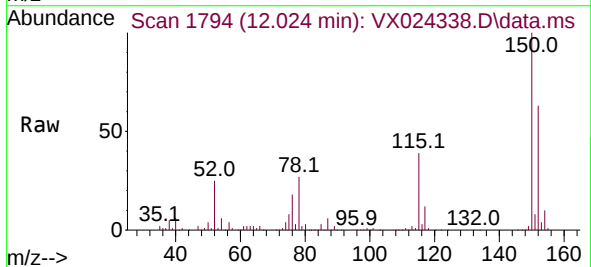
Ion	Ratio	Lower	Upper
164	100		
166	122.4	103.4	155.2
129	98.4	70.8	106.2
131	81.9	72.5	108.7

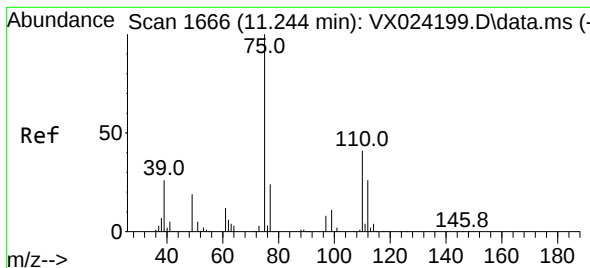


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

Tgt Ion:152 Resp: 75275

Ion	Ratio	Lower	Upper
152	100		
115	59.5	41.1	123.3
150	157.8	0.0	349.0

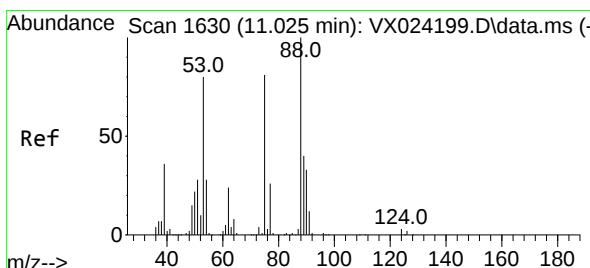
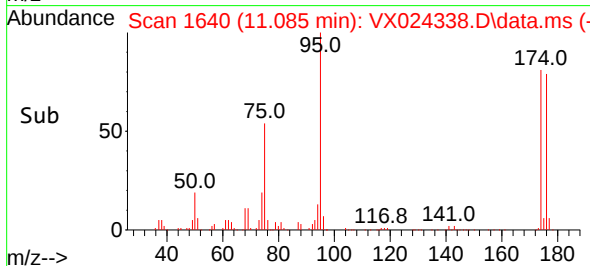
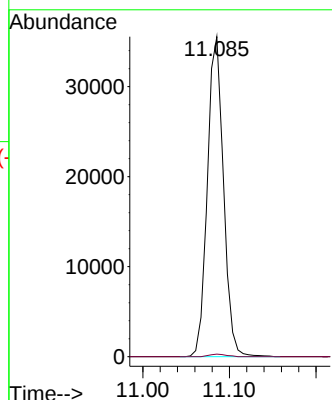
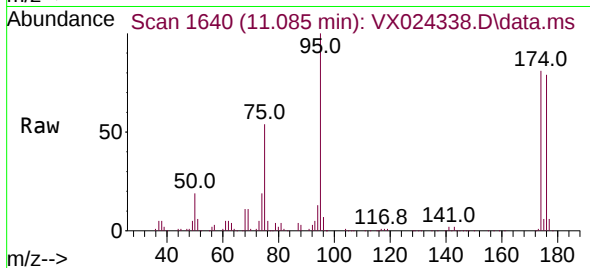




#76
1,2,3-Trichloropropane
Concen: 26.517 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20210915

Tgt Ion: 75 Resp: 45898
Ion Ratio Lower Upper
75 100
77 0.8 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.987 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024338.D
Acq: 18 Sep 2021 03:44

Tgt Ion: 75 Resp: 45898
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

