

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091721\
 Data File : VX024340.D
 Acq On : 18 Sep 2021 04:31
 Operator : JC/MD
 Sample : M3782-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20210915

Quant Time: Sep 20 02:46:11 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)

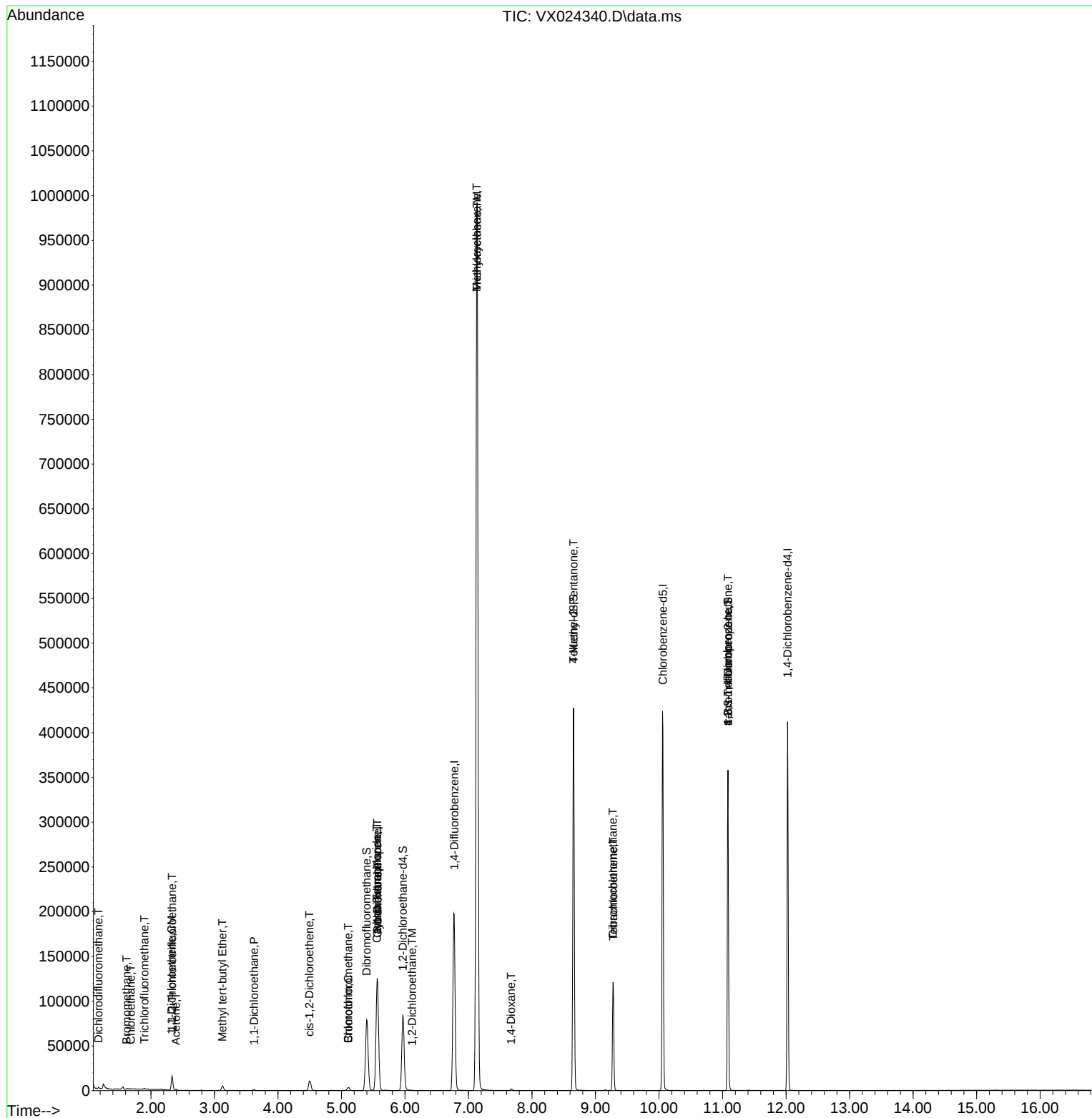
Internal Standards						
1) Pentafluorobenzene	5.562	168	117484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	198189	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	191047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	84965	50.717	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.440%	
35) Dibromofluoromethane	5.397	113	66451	49.995	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.000%	
50) Toluene-d8	8.653	98	243860	50.363	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.720%	
62) 4-Bromofluorobenzene	11.085	95	87360	46.361	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.720%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	424	0.375	ug/l	87
5) Bromomethane	1.618	94	316	0.452	ug/l	87
6) Chloroethane	1.685	64	116	2.119	ug/l #	43
7) Trichlorofluoromethane	1.898	101	520	0.264	ug/l #	61
9) 1,1,2-Trichlorotrifluo...	2.331	101	5012	4.333	ug/l	96
11) Tert butyl alcohol	2.977	59	46	Below Cal	#	73
12) 1,1-Dichloroethene	2.325	96	1243	1.147	ug/l	87
16) Acetone	2.392	43	416	0.582	ug/l	96
19) Methyl tert-butyl Ether	3.123	73	5157	1.295	ug/l	95
24) 1,1-Dichloroethane	3.623	63	1491	0.657	ug/l #	81
27) cis-1,2-Dichloroethene	4.495	96	6637	4.846	ug/l	95
28) Bromochloromethane	5.105	49	273	0.295	ug/l #	9
30) Chloroform	5.105	83	3960	1.641	ug/l	88
31) Cyclohexane	5.568	56	2845	1.452	ug/l #	33
36) 1,1-Dichloropropene	5.562	75	9486	5.206	ug/l #	49
38) Carbon Tetrachloride	5.556	117	12284	5.990	ug/l #	16
39) Methylcyclohexane	7.129	83	4532	2.083	ug/l #	1
42) 1,2-Dichloroethane	6.111	62	468	0.215	ug/l #	73
44) Trichloroethene	7.135	130	375535	255.747	ug/l	99
49) 1,4-Dioxane	7.671	88	1458	41.291	ug/l	96
51) 4-Methyl-2-Pentanone	8.653	43	1221	0.567	ug/l #	1
60) Dibromochloromethane	9.275	129	22145	14.650	ug/l #	11
64) Tetrachloroethene	9.281	164	23308	15.748	ug/l	97
76) 1,2,3-Trichloropropane	11.085	75	47099	25.117	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	47099	73.868	ug/l #	12

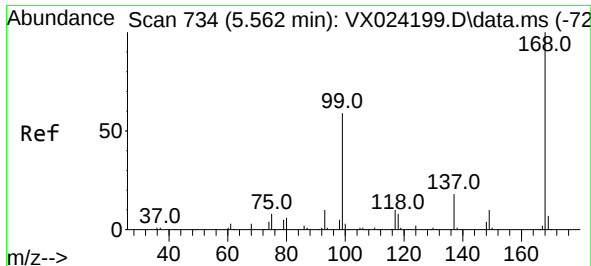
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091721\
Data File : VX024340.D
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MSVOA_X
ClientSampleId :
RE131D1-20210915

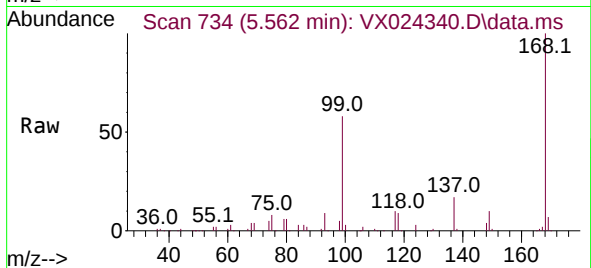
Quant Time: Sep 20 02:46:11 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 14 12:18:04 2021
Response via : Initial Calibration



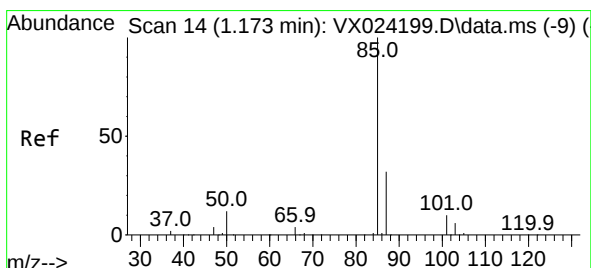
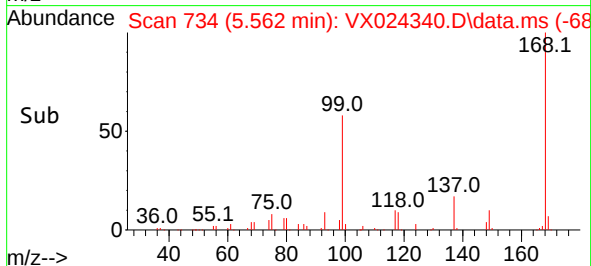
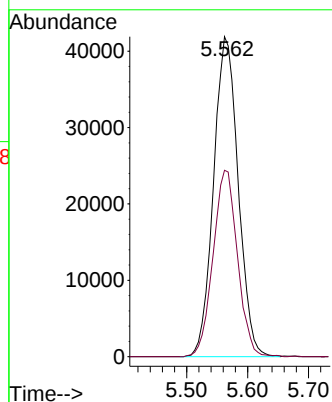


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20210915

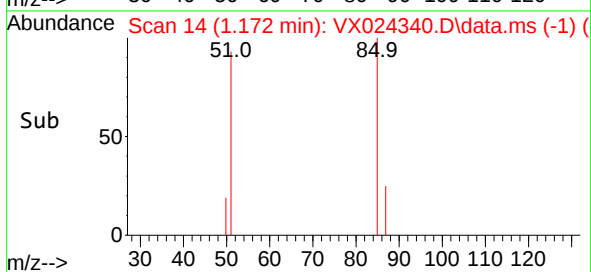
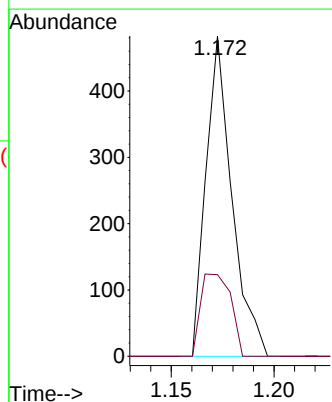
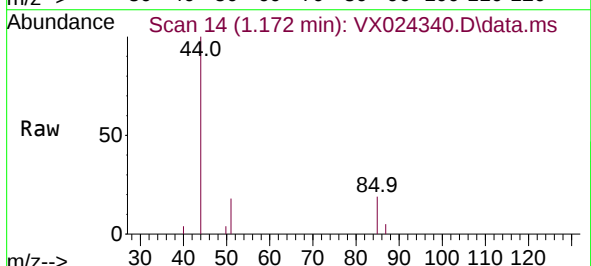


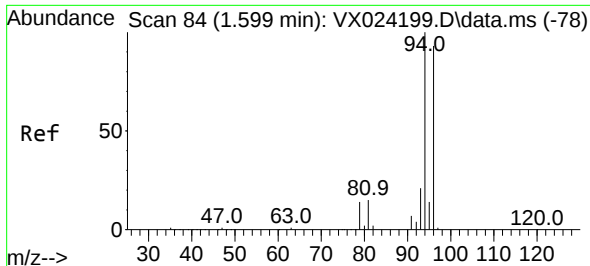
Tgt Ion:168 Resp: 117484
Ion Ratio Lower Upper
168 100
99 58.3 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.375 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.001 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

Tgt Ion: 85 Resp: 424
Ion Ratio Lower Upper
85 100
87 25.5 16.4 49.2

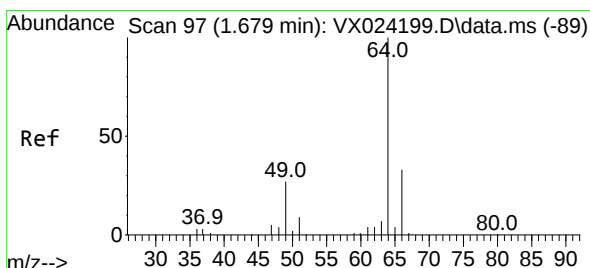
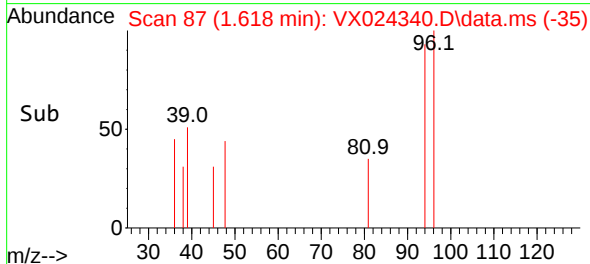
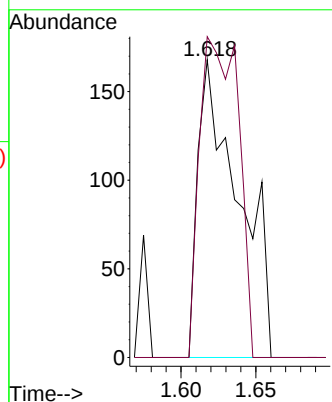
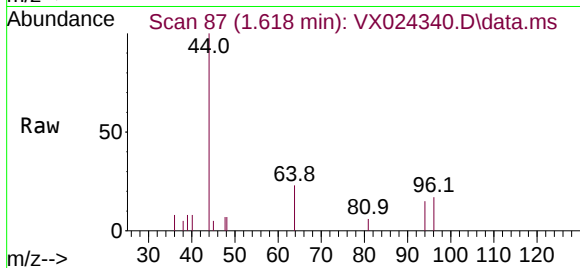




#5
Bromomethane
Concen: 0.452 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

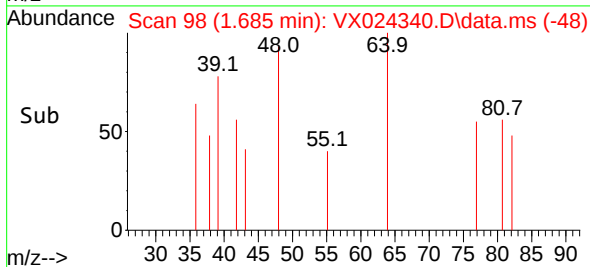
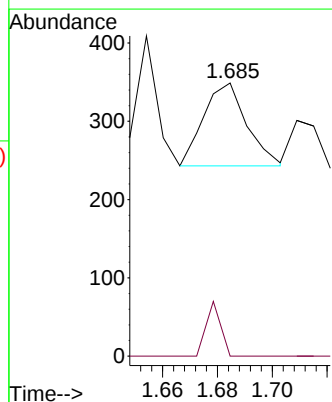
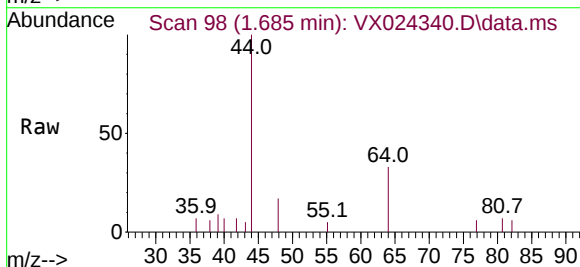
Instrument :
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ClientSampleId :
RE131D1-20210915

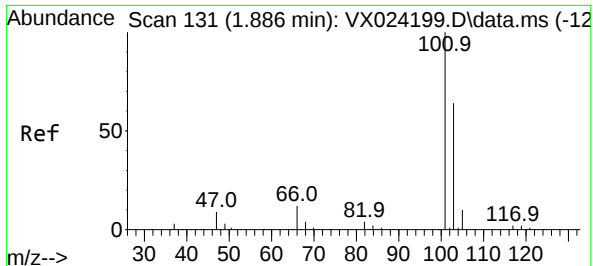
Tgt Ion: 94 Resp: 316
Ion Ratio Lower Upper
94 100
96 107.7 76.4 114.6



#6
Chloroethane
Concen: 2.119 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

Tgt Ion: 64 Resp: 116
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

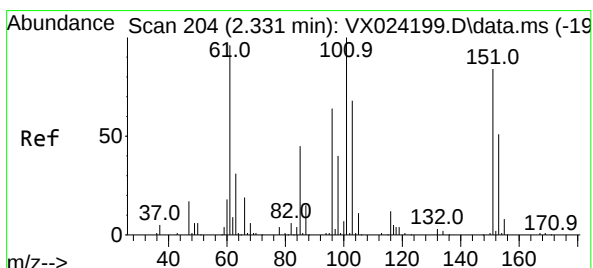
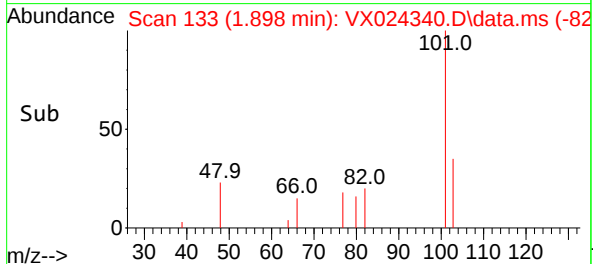
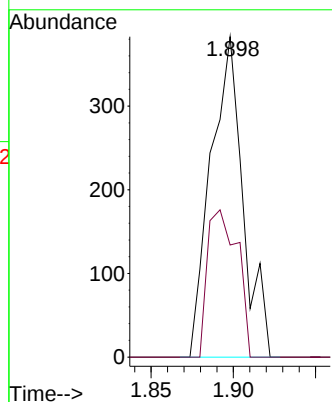
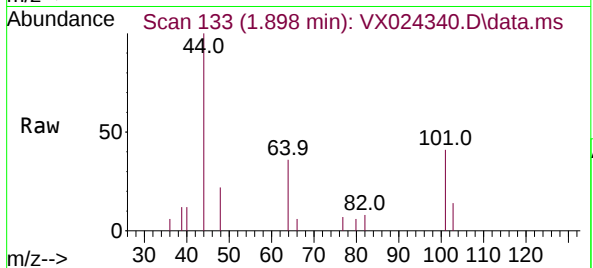




#7
Trichlorofluoromethane
Concen: 0.264 ug/l
RT: 1.898 min Scan# 133
Delta R.T. 0.012 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

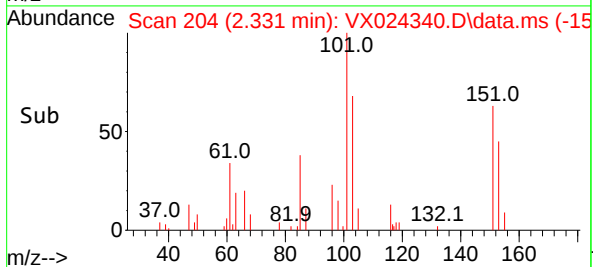
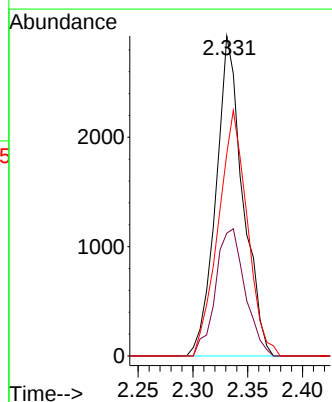
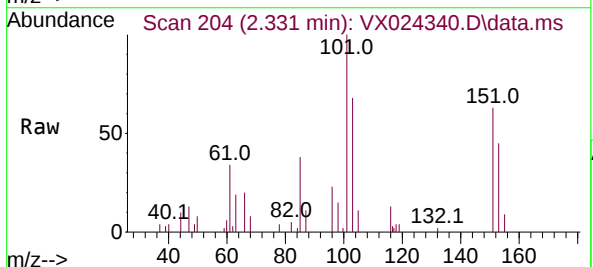
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20210915

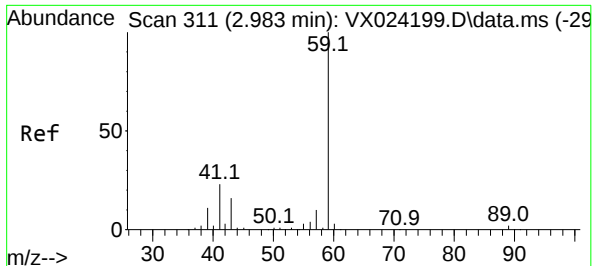
Tgt Ion:101 Resp: 520
Ion Ratio Lower Upper
101 100
103 35.0 53.2 79.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.333 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

Tgt Ion:101 Resp: 5012
Ion Ratio Lower Upper
101 100
85 43.5 34.9 52.3
151 82.5 61.4 92.2



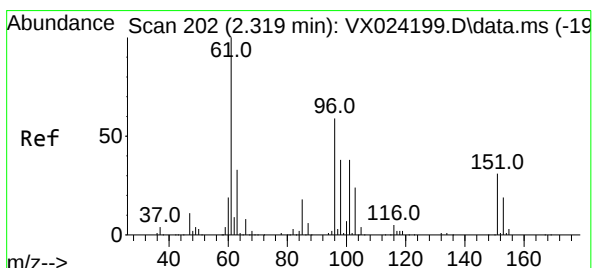
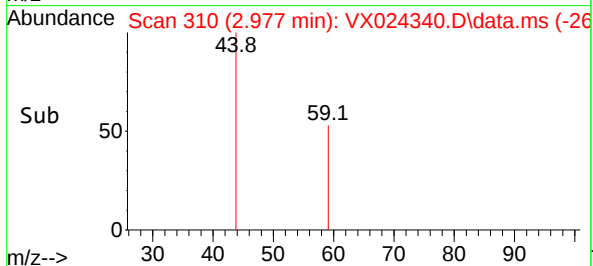
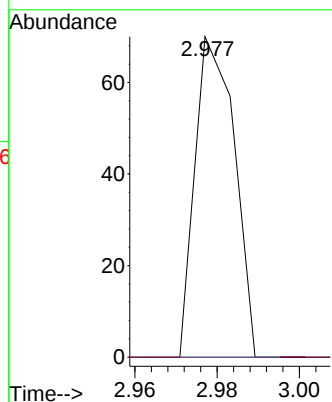
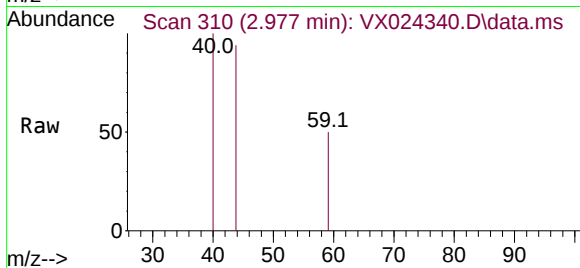


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20210915

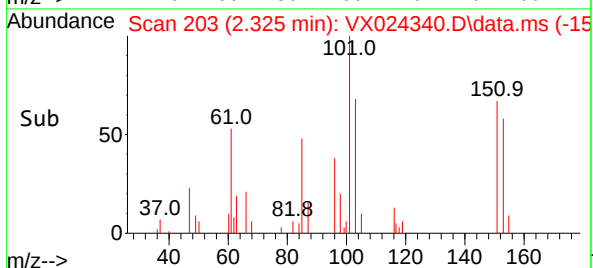
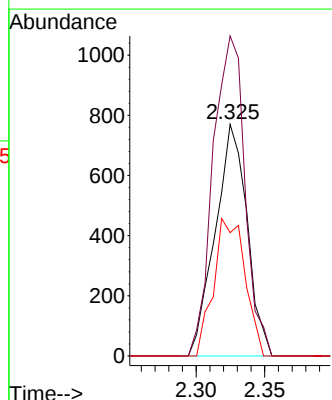
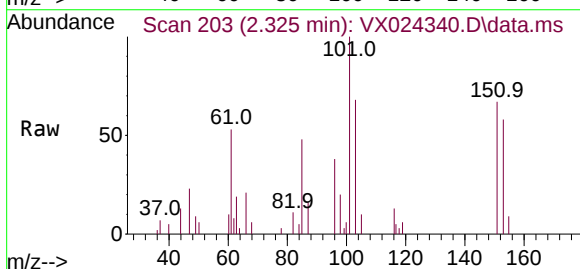
Tgt Ion: 59 Resp: 46
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

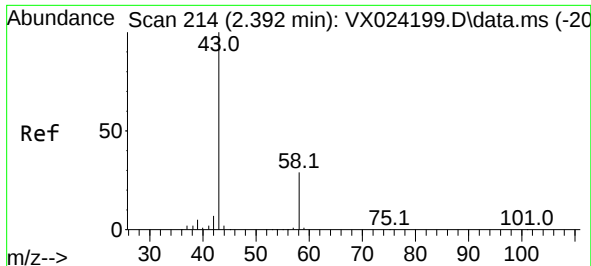


#12

1,1-Dichloroethene
Concen: 1.147 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

Tgt Ion: 96 Resp: 1243
Ion Ratio Lower Upper
96 100
61 138.2 124.6 187.0
98 53.2 50.6 76.0

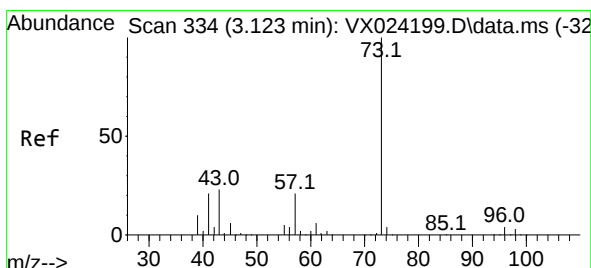
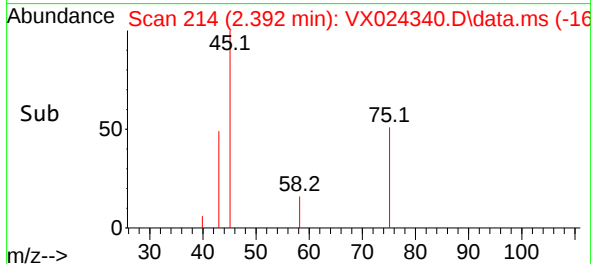
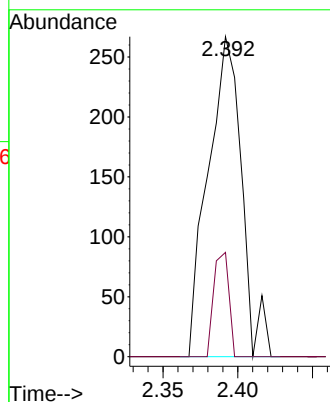
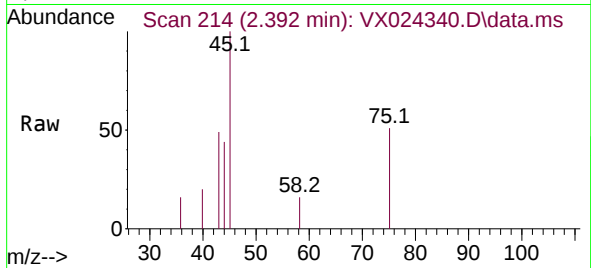




#16
Acetone
Concen: 0.582 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

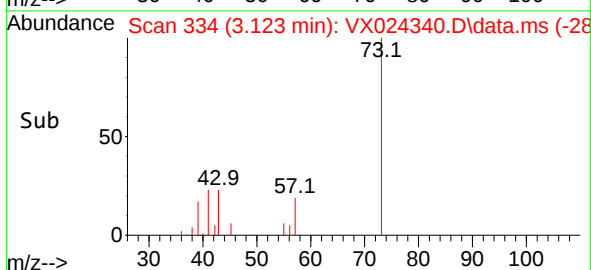
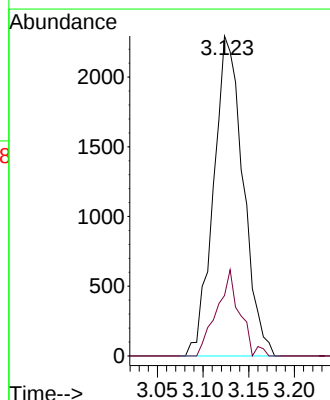
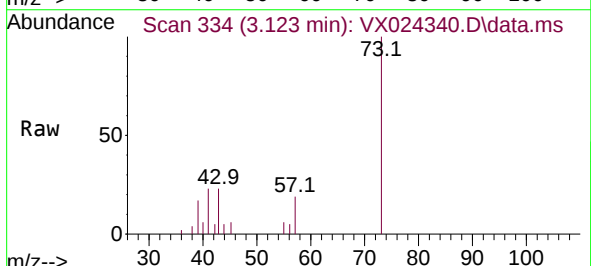
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ClientSampleId :
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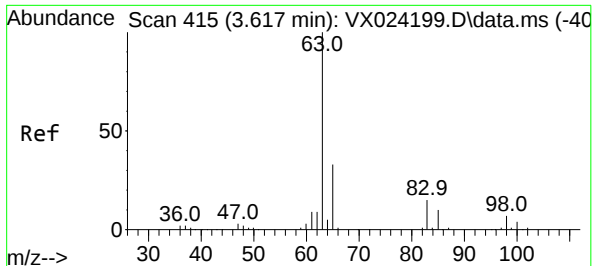
Tgt Ion: 43 Resp: 416
Ion Ratio Lower Upper
43 100
58 32.6 27.8 41.8



#19
Methyl tert-butyl Ether
Concen: 1.295 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

Tgt Ion: 73 Resp: 5157
Ion Ratio Lower Upper
73 100
57 18.9 17.1 25.7

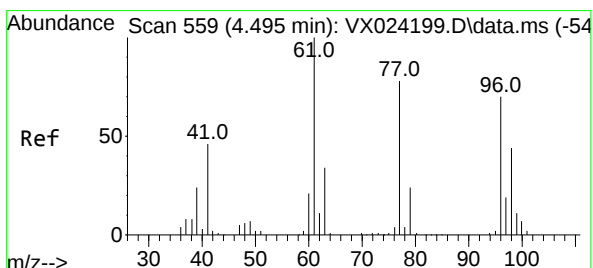
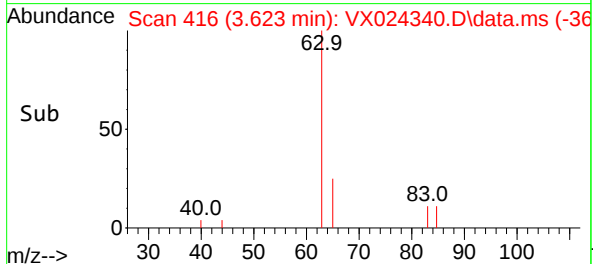
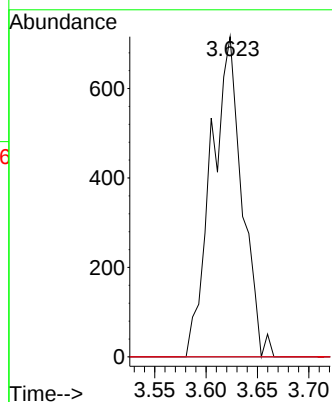
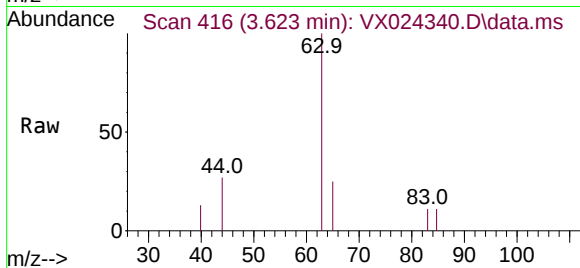




#24
1,1-Dichloroethane
Concen: 0.657 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.006 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

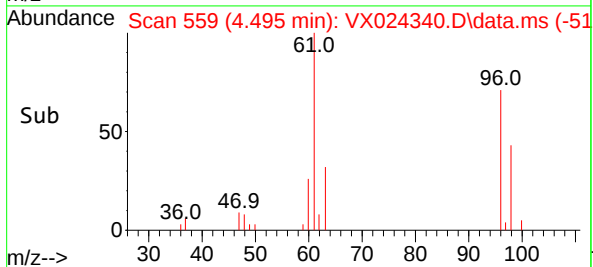
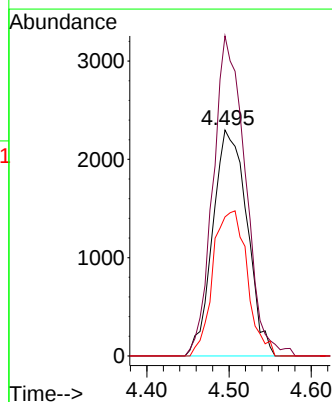
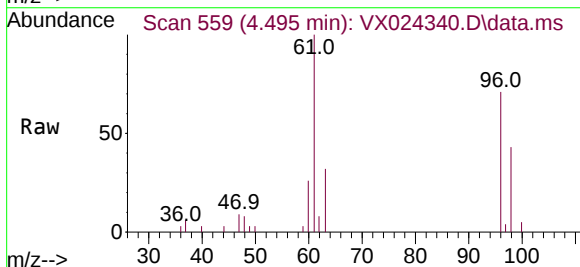
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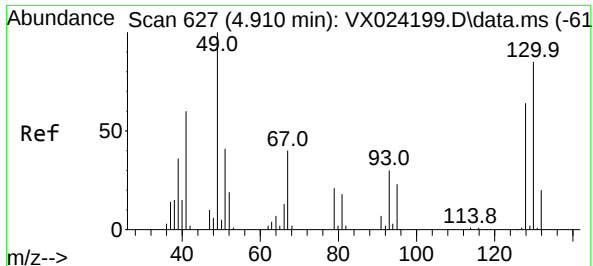
Tgt Ion: 63 Resp: 1491
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 4.846 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

Tgt Ion: 96 Resp: 6637
Ion Ratio Lower Upper
96 100
61 133.9 0.0 285.6
98 64.3 0.0 129.6

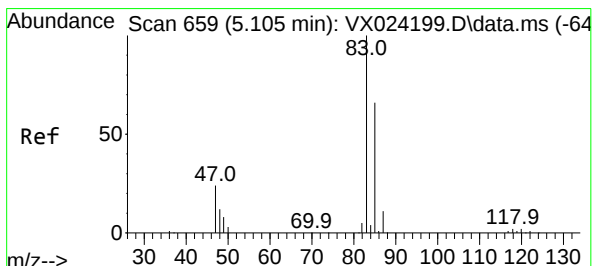
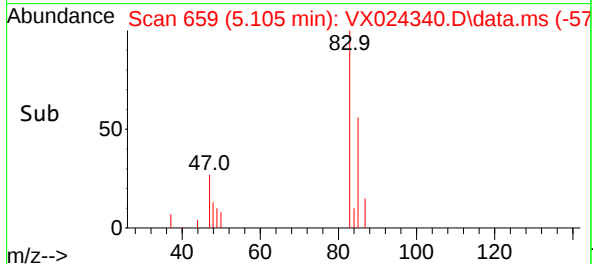
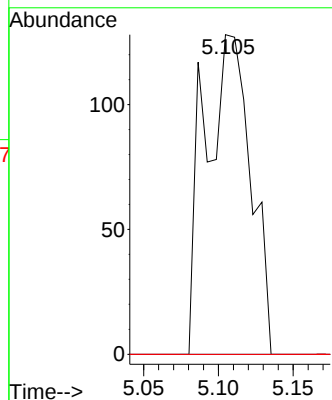
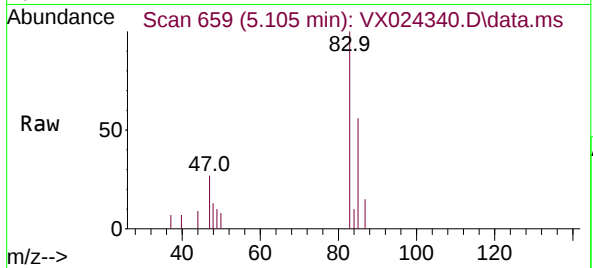




#28
Bromochloromethane
Concen: 0.295 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.195 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

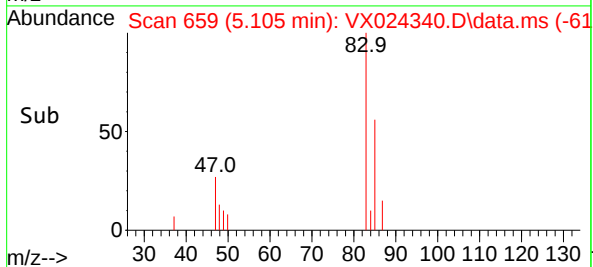
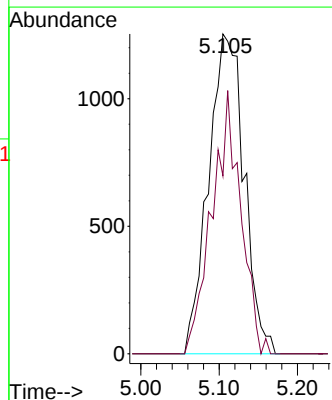
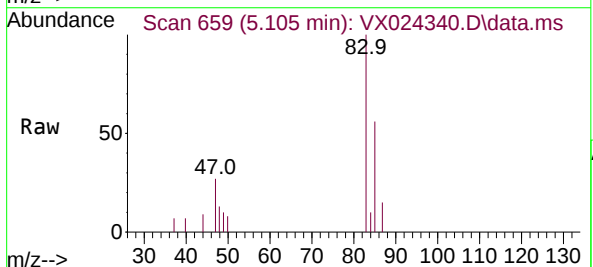
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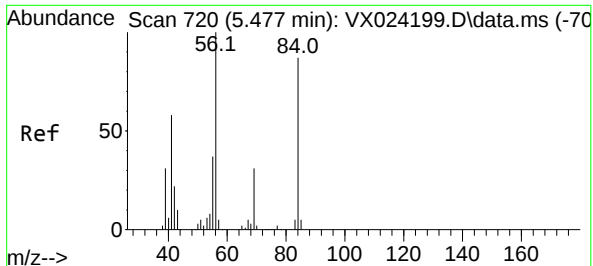
Tgt Ion: 49 Resp: 273
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#



#30
Chloroform
Concen: 1.641 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

Tgt Ion: 83 Resp: 3960
Ion Ratio Lower Upper
83 100
85 55.7 52.0 78.0

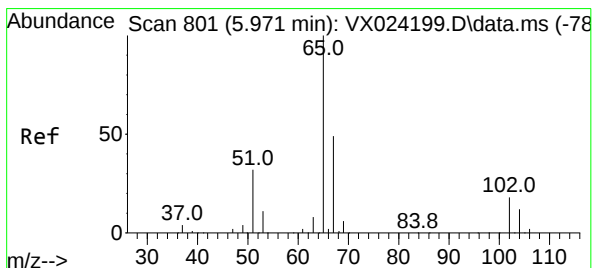
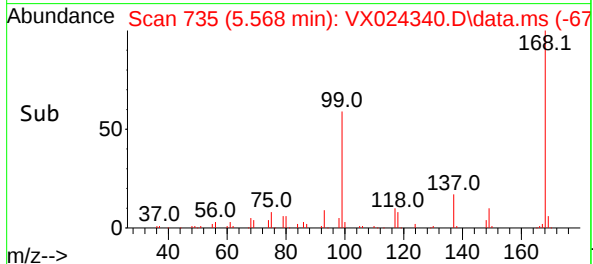
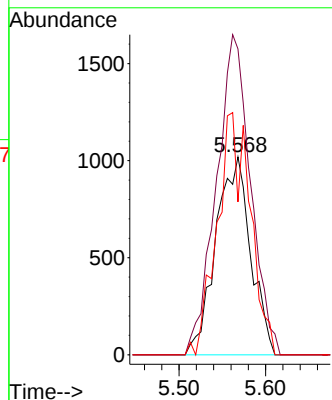
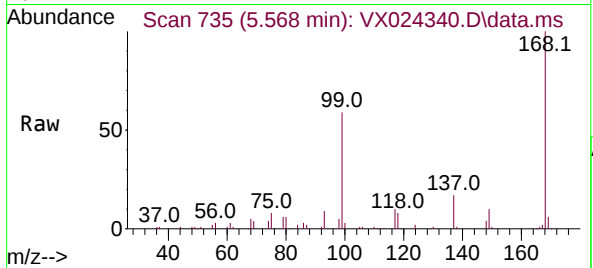




#31
Cyclohexane
Concen: 1.452 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

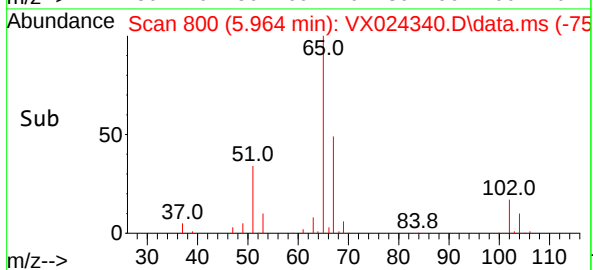
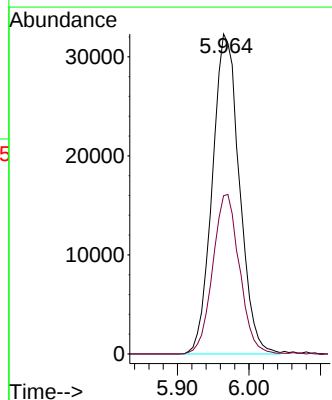
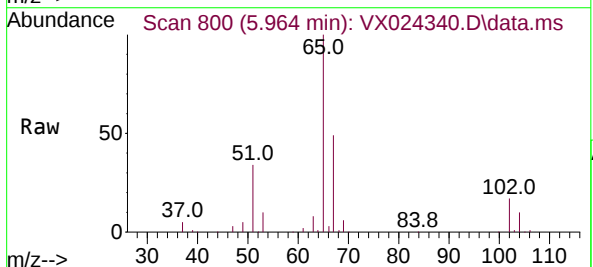
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20210915

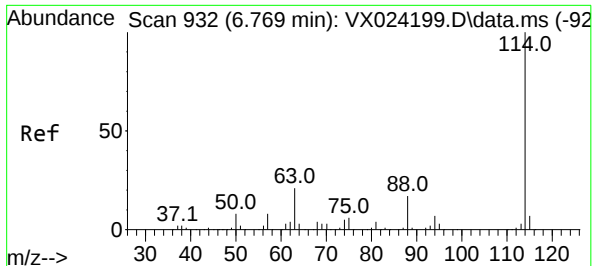
Tgt Ion: 56 Resp: 2845
Ion Ratio Lower Upper
56 100
69 154.7 25.3 37.9#
84 77.3 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 50.717 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

Tgt Ion: 65 Resp: 84965
Ion Ratio Lower Upper
65 100
67 49.3 0.0 105.4

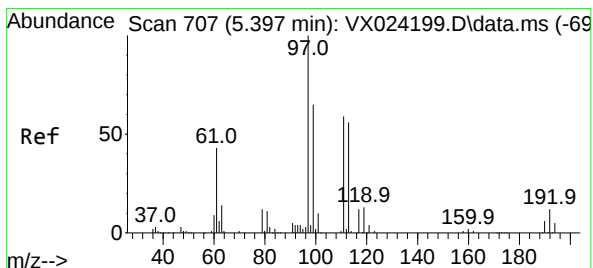
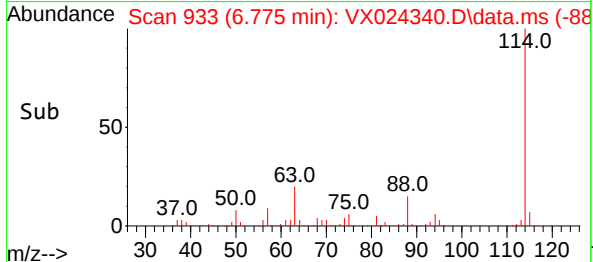
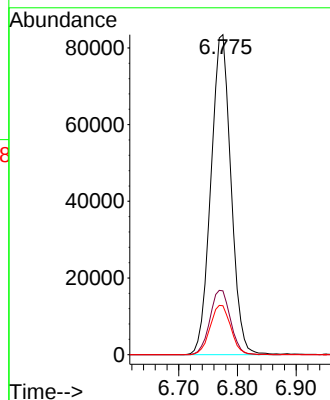
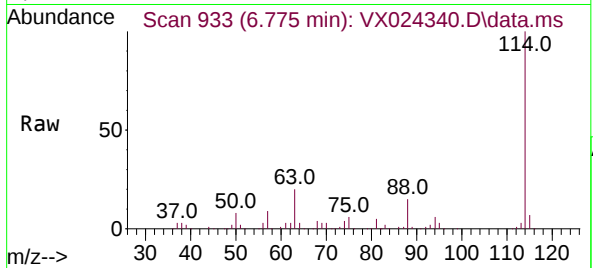




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.006 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

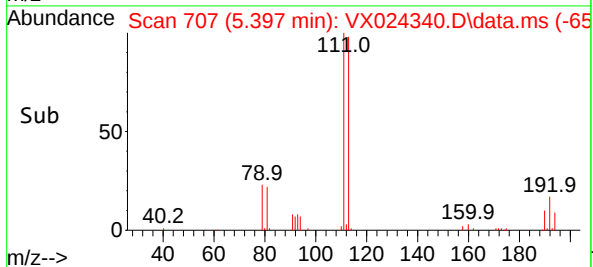
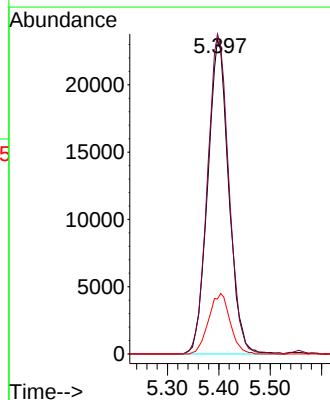
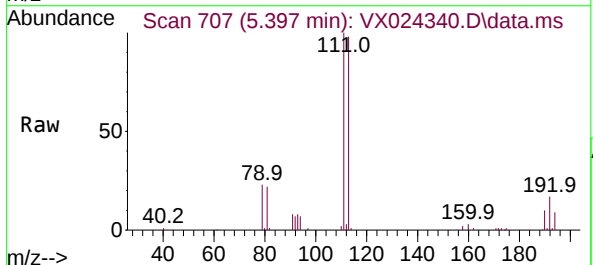
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20210915

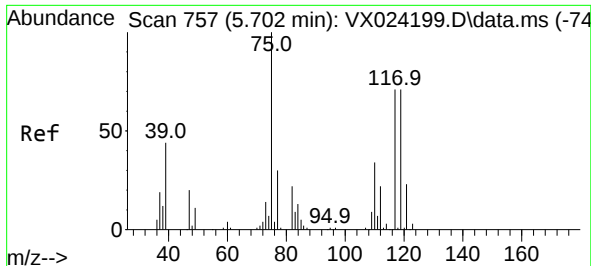
Tgt Ion:114 Resp: 198189
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.8
88 15.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.995 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

Tgt Ion:113 Resp: 66451
Ion Ratio Lower Upper
113 100
111 103.4 81.9 122.9
192 19.6 16.7 25.1

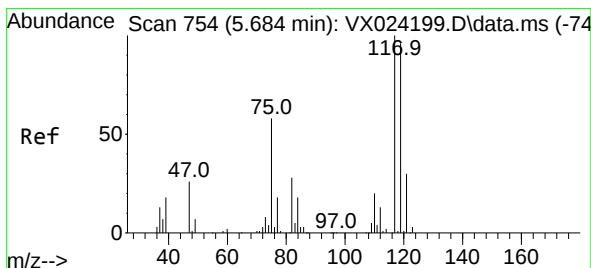
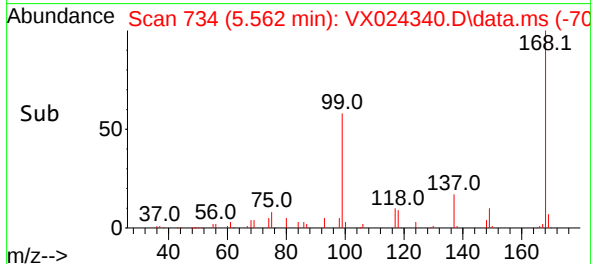
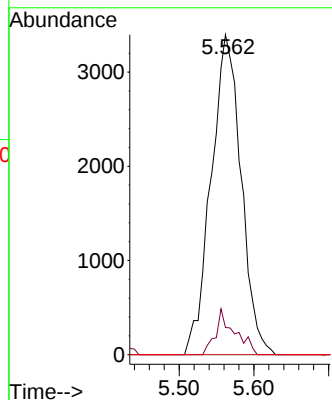
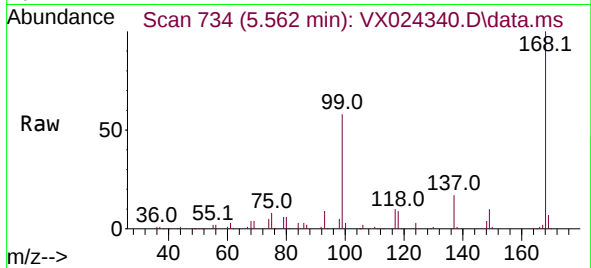




#36
1,1-Dichloropropene
Concen: 5.206 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

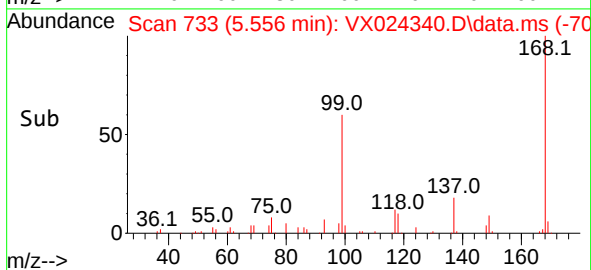
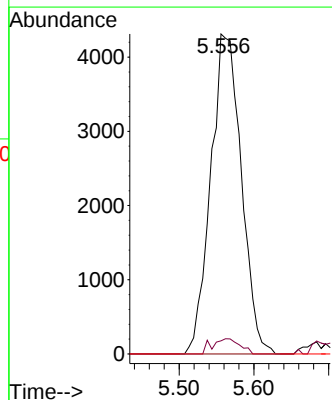
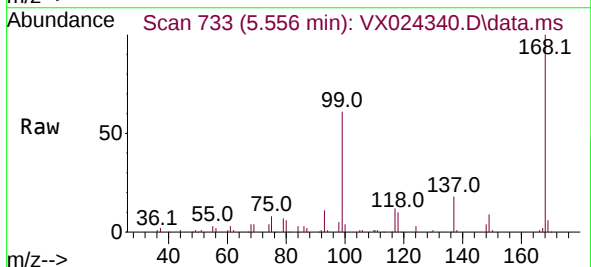
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20210915

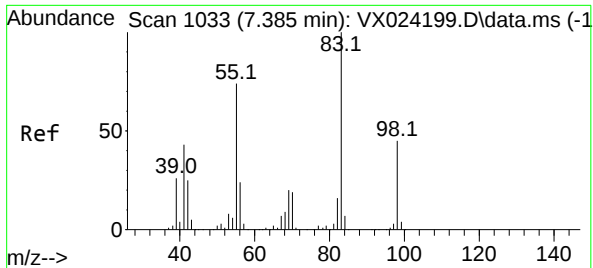
Tgt Ion: 75 Resp: 9486
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.990 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

Tgt Ion: 117 Resp: 12284
Ion Ratio Lower Upper
117 100
119 4.1 76.2 114.2#
121 0.0 24.8 37.2#

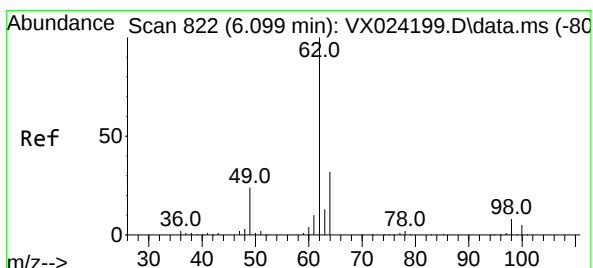
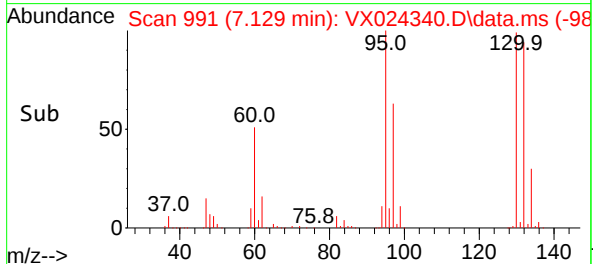
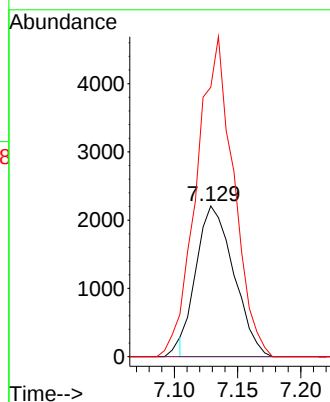
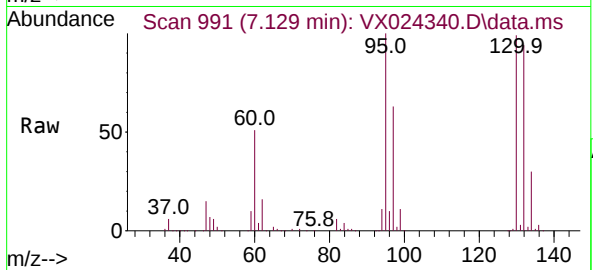




#39
Methylcyclohexane
Concen: 2.083 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

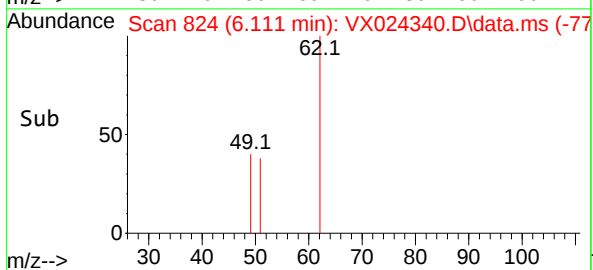
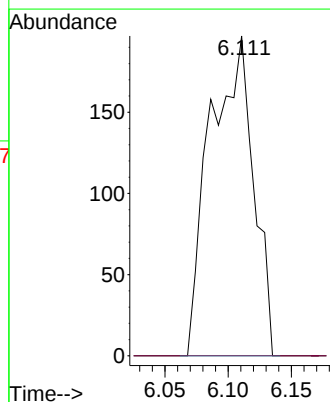
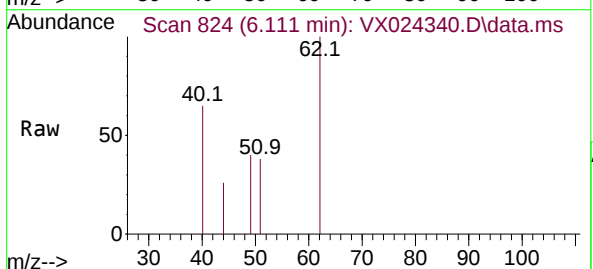
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20210915

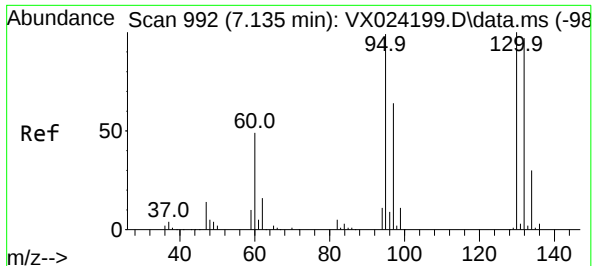
Tgt Ion: 83 Resp: 4532
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 178.7 38.1 57.1#



#42
1,2-Dichloroethane
Concen: 0.215 ug/l
RT: 6.111 min Scan# 824
Delta R.T. 0.012 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

Tgt Ion: 62 Resp: 468
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2

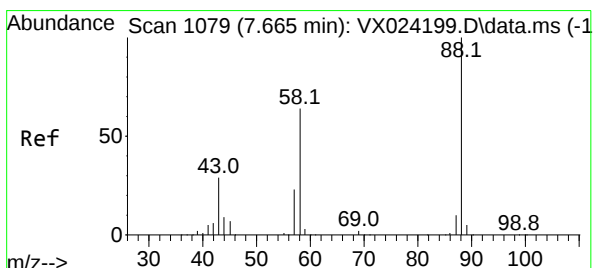
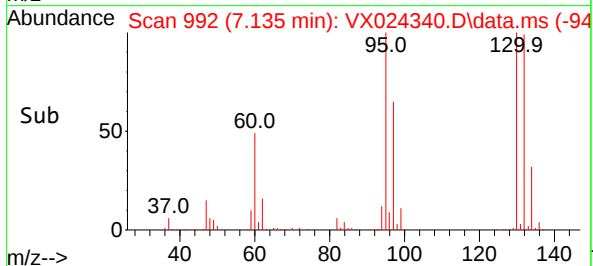
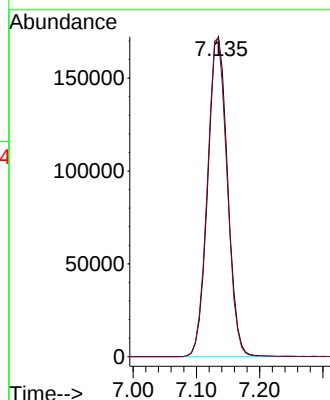
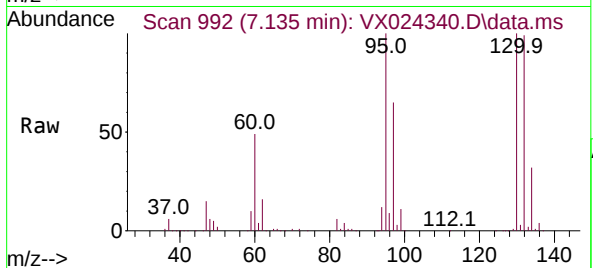




#44
Trichloroethene
Concen: 255.747 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

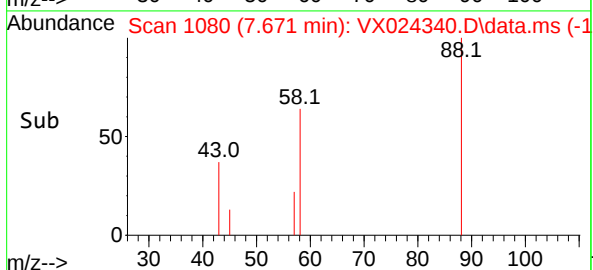
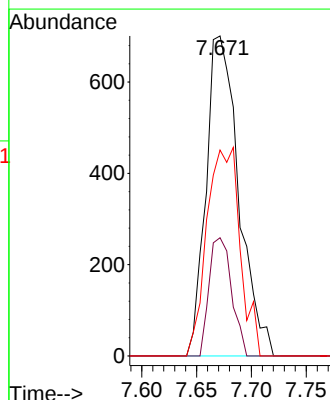
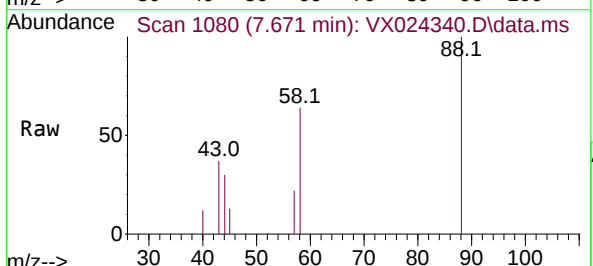
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20210915

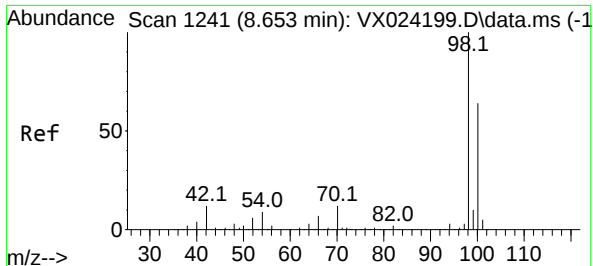
Tgt Ion:130 Resp: 375535
Ion Ratio Lower Upper
130 100
95 99.7 0.0 198.0



#49
1,4-Dioxane
Concen: 41.291 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.006 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

Tgt Ion: 88 Resp: 1458
Ion Ratio Lower Upper
88 100
43 25.4 23.2 34.8
58 65.9 55.0 82.4

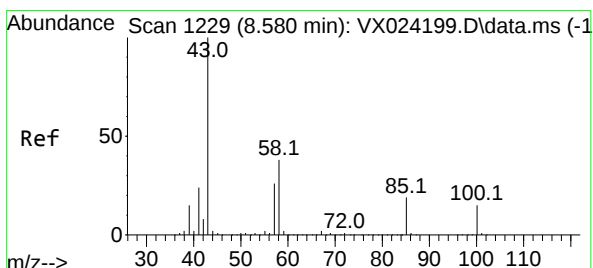
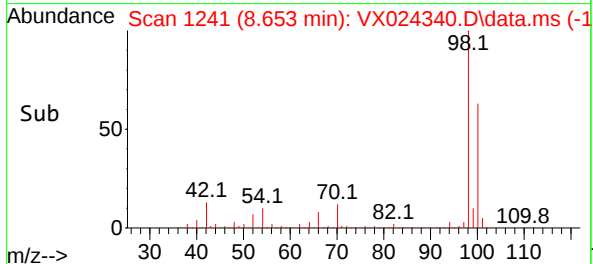
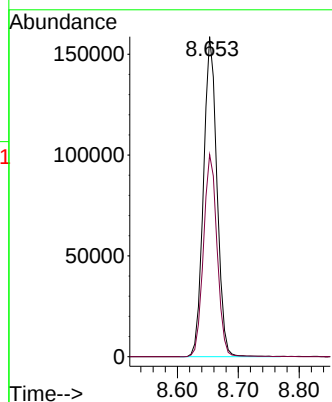
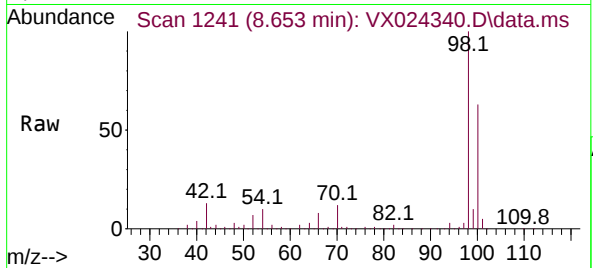




#50
Toluene-d8
Concen: 50.363 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

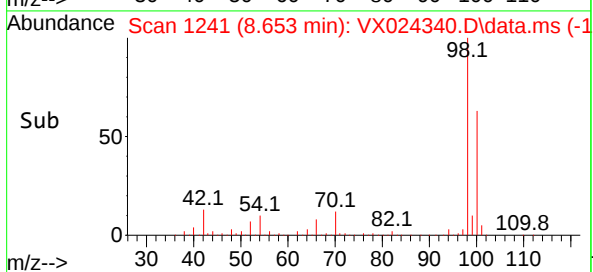
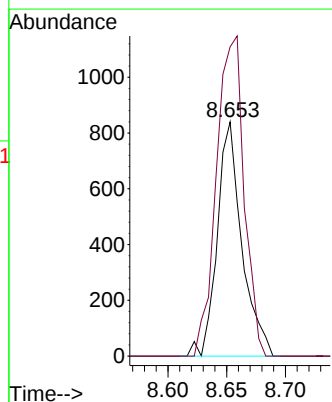
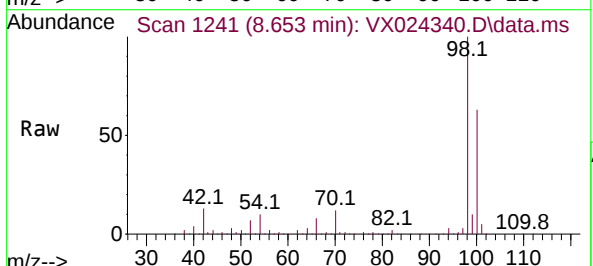
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20210915

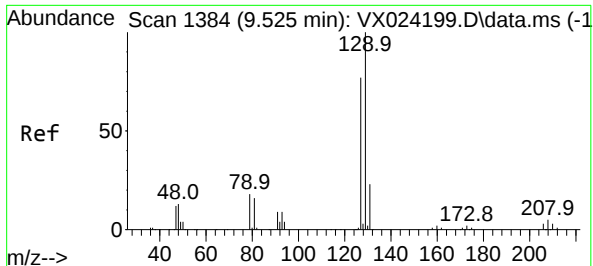
Tgt Ion: 98 Resp: 243860
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.567 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

Tgt Ion: 43 Resp: 1221
Ion Ratio Lower Upper
43 100
58 154.0 35.4 53.0#





#60

Dibromochloromethane

Concen: 14.650 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX024340.D

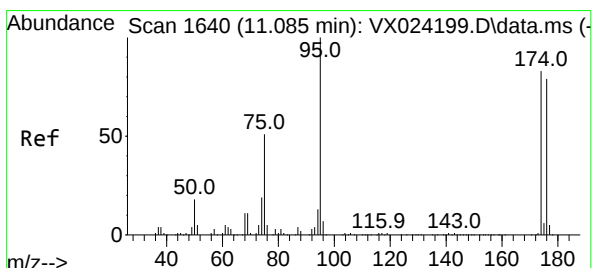
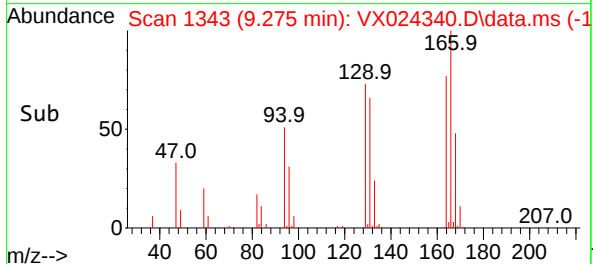
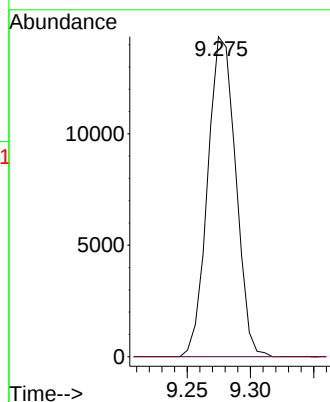
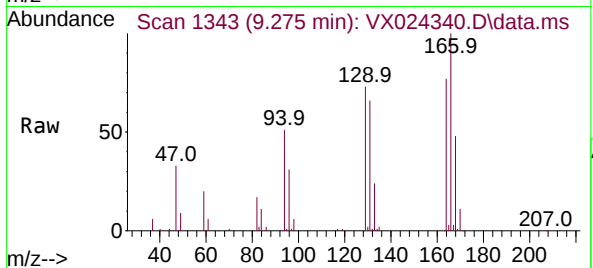
Acq: 18 Sep 2021 04:31

Tgt Ion:129 Resp: 22145

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 46.361 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX024340.D

Acq: 18 Sep 2021 04:31

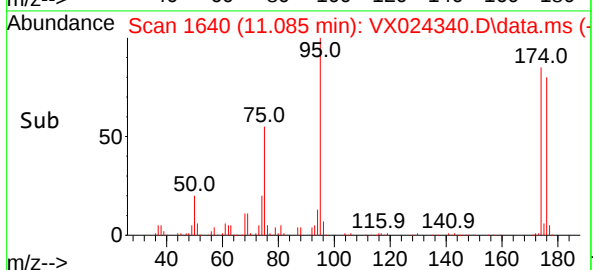
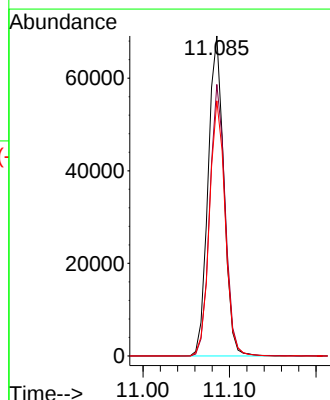
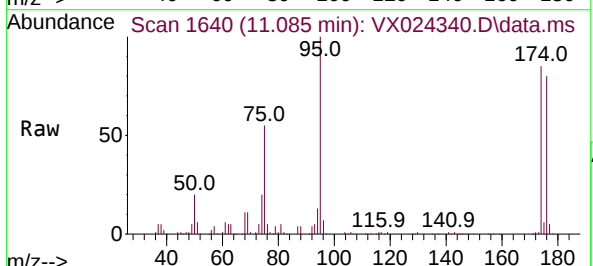
Tgt Ion: 95 Resp: 87360

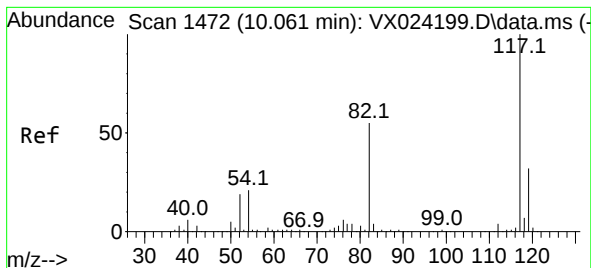
Ion Ratio Lower Upper

95 100

174 83.3 0.0 154.6

176 79.2 0.0 155.8

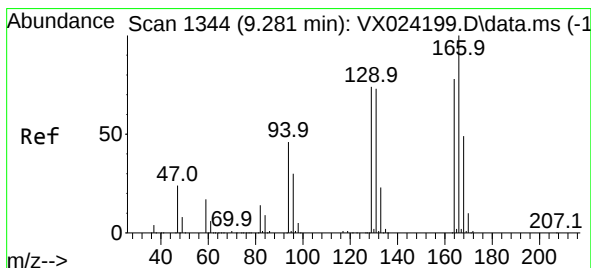
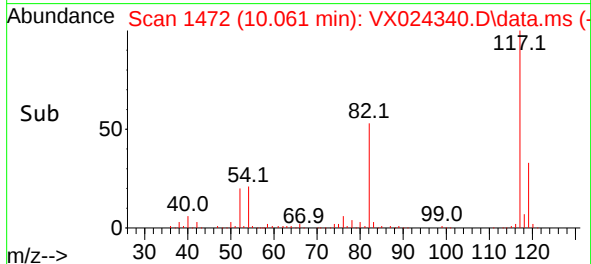
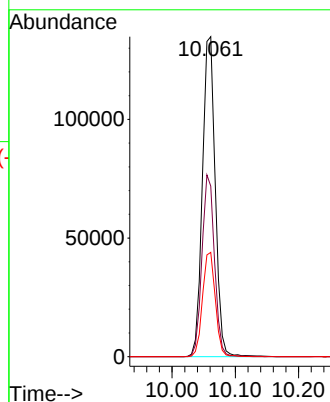
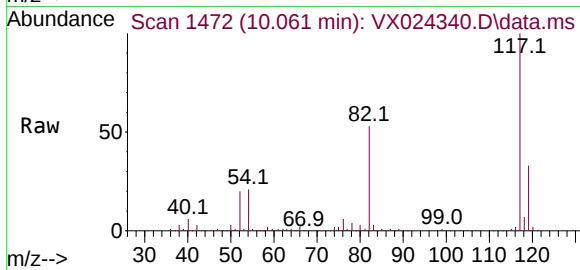




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

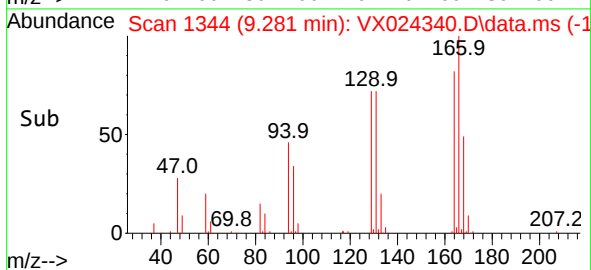
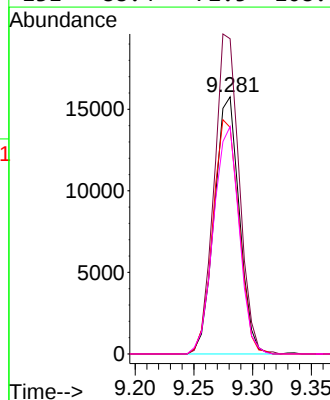
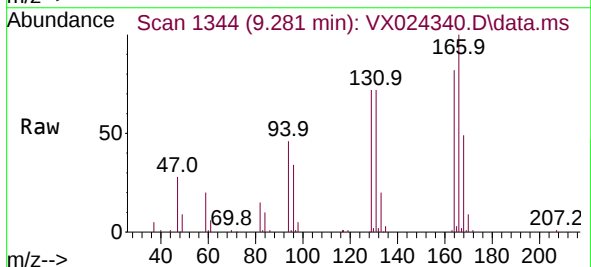
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20210915

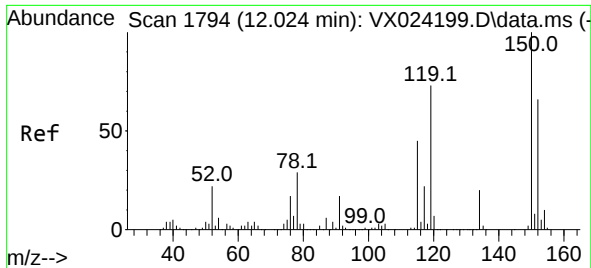
Tgt Ion:117 Resp: 191047
Ion Ratio Lower Upper
117 100
82 53.3 47.4 71.2
119 32.6 26.6 39.8



#64
Tetrachloroethene
Concen: 15.748 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.000 min
Lab File: VX024340.D
Acq: 18 Sep 2021 04:31

Tgt Ion:164 Resp: 23308
Ion Ratio Lower Upper
164 100
166 122.6 103.4 155.2
129 88.1 70.8 106.2
131 88.4 72.5 108.7

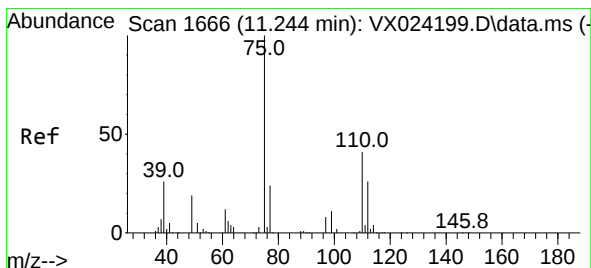
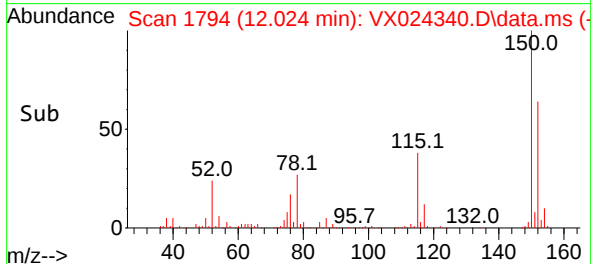
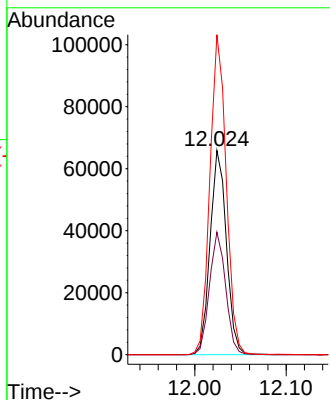
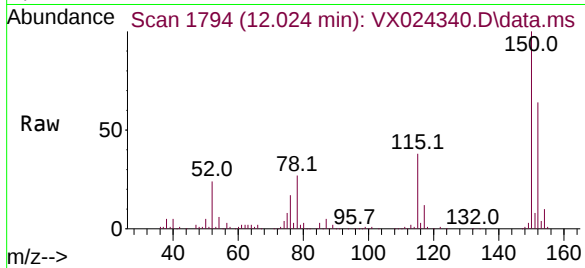




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024340.D
 Acq: 18 Sep 2021 04:31

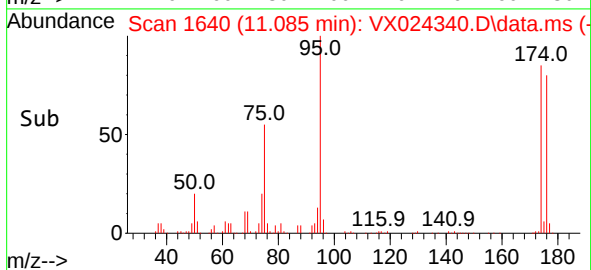
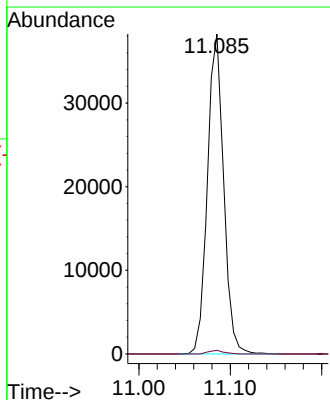
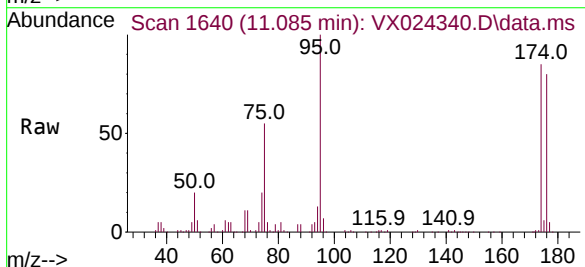
Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20210915

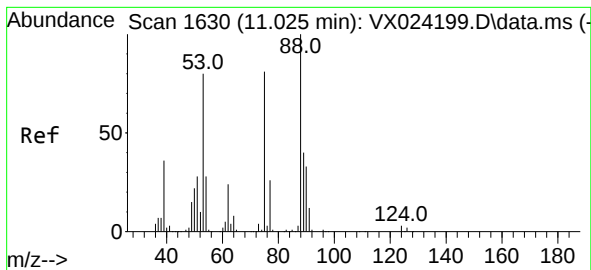
Tgt Ion:152 Resp: 81552
 Ion Ratio Lower Upper
 152 100
 115 59.6 41.1 123.3
 150 156.6 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.117 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024340.D
 Acq: 18 Sep 2021 04:31

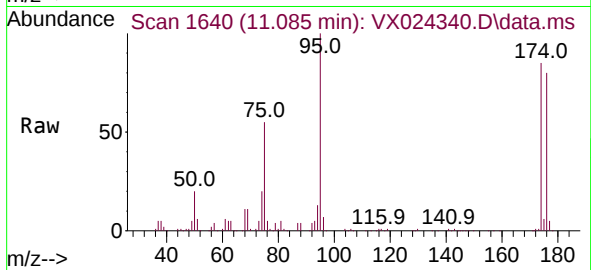
Tgt Ion: 75 Resp: 47099
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.868 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.060 min
 Lab File: VX024340.D
 Acq: 18 Sep 2021 04:31

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20210915



Tgt Ion: 75 Resp: 47099
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.1 37.9 56.9#

