

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091721\
 Data File : VX024335.D
 Acq On : 18 Sep 2021 02:33
 Operator : JC/MD
 Sample : M3782-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE117D1-20210914

Quant Time: Sep 20 02:44:45 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)

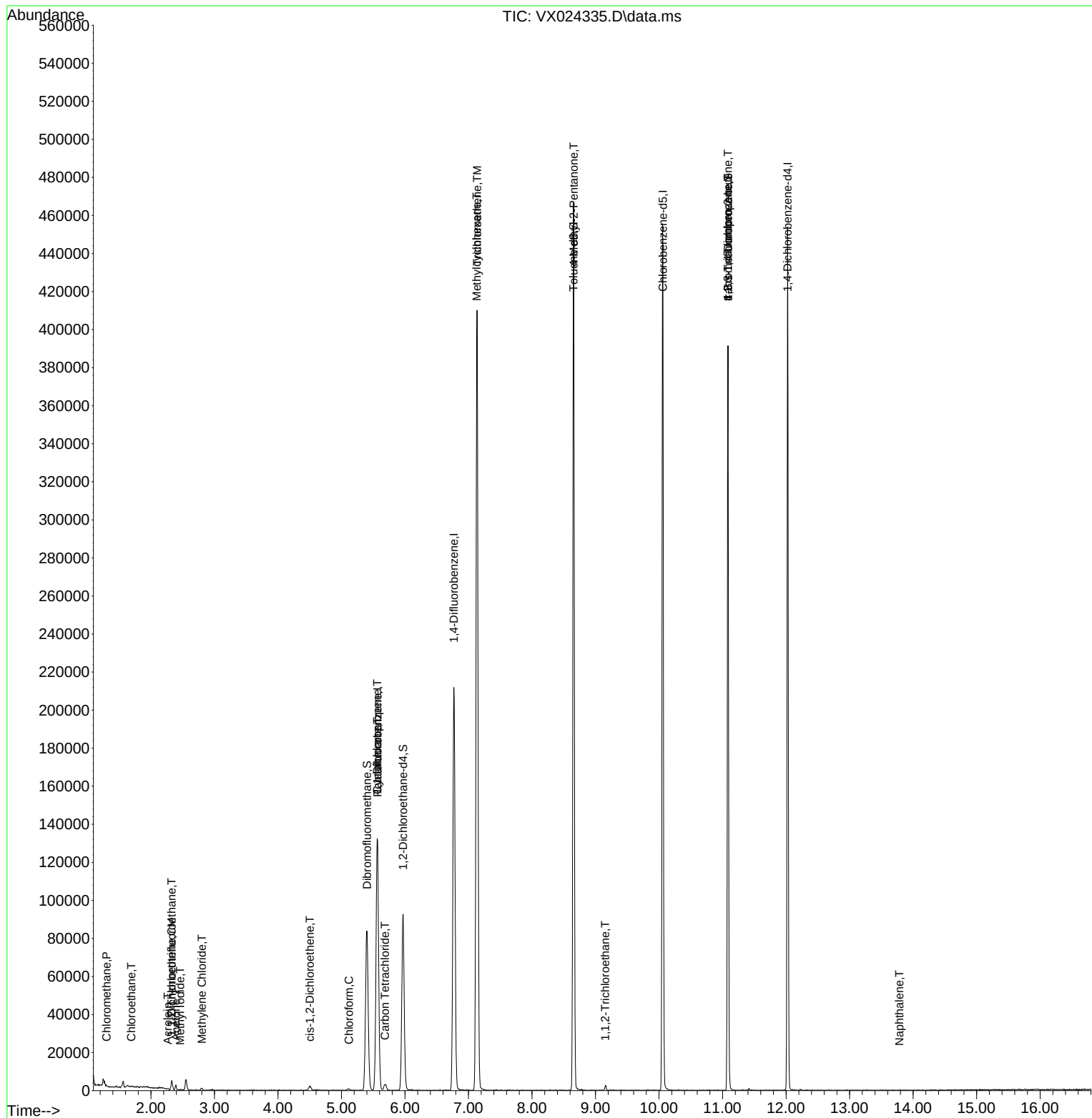
Internal Standards						
1) Pentafluorobenzene	5.568	168	124227	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	210854	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	206230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89106	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	91178	51.471	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.940%	
35) Dibromofluoromethane	5.403	113	70493	49.851	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.700%	
50) Toluene-d8	8.653	98	262854	51.025	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.060%	
62) 4-Bromofluorobenzene	11.085	95	96323	48.047	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.100%	
Target Compounds						Qvalue
3) Chloromethane	1.301	50	379	0.304	ug/l	93
6) Chloroethane	1.691	64	131	2.127	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.325	101	781	0.639	ug/l #	89
10) Methyl Iodide	2.459	142	343	0.203	ug/l #	90
11) Tert butyl alcohol	2.965	59	63	Below Cal	#	73
12) 1,1-Dichloroethene	2.325	96	1052	0.918	ug/l	93
13) Acrolein	2.264	56	31	0.266	ug/l #	14
16) Acetone	2.392	43	2195	2.906	ug/l	92
20) Methylene Chloride	2.800	84	514	0.354	ug/l	89
27) cis-1,2-Dichloroethene	4.501	96	1457	1.006	ug/l	95
30) Chloroform	5.117	83	915	0.359	ug/l #	71
31) Cyclohexane	5.562	56	2792	1.347	ug/l #	23
36) 1,1-Dichloropropene	5.562	75	9462	4.881	ug/l #	50
38) Carbon Tetrachloride	5.684	117	2929	1.342	ug/l #	81
39) Methylcyclohexane	7.129	83	1945	0.840	ug/l #	1
44) Trichloroethene	7.135	130	153053	97.971	ug/l	99
51) 4-Methyl-2-Pentanone	8.659	43	1365	0.596	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	851	0.548	ug/l #	79
76) 1,2,3-Trichloropropane	11.085	75	54108	26.408	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	54108	77.667	ug/l #	12
95) Naphthalene	13.786	128	26	1.291	ug/l #	69

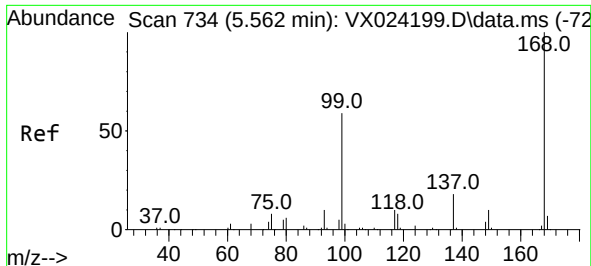
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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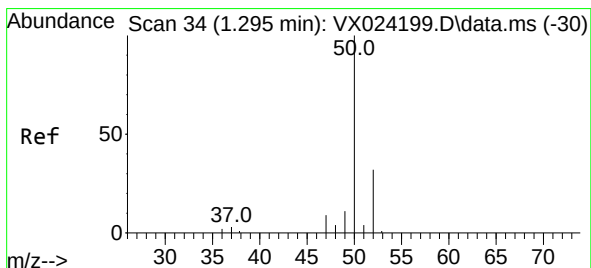
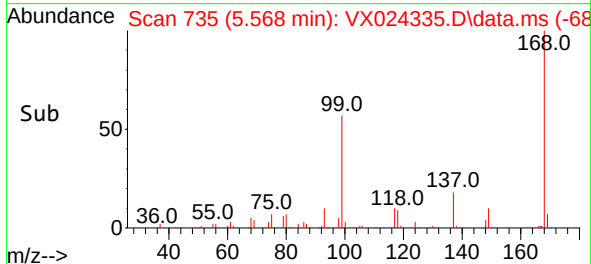
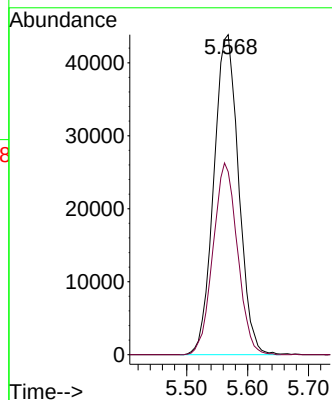
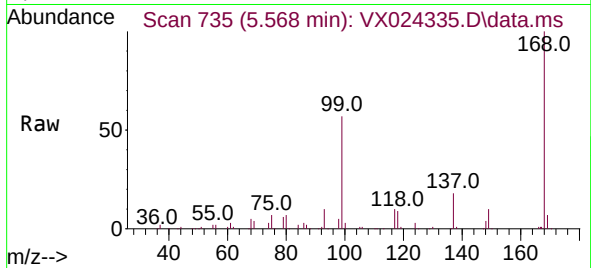




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX024335.D
Acq: 18 Sep 2021 02:33

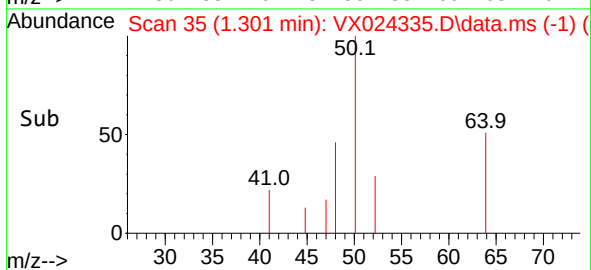
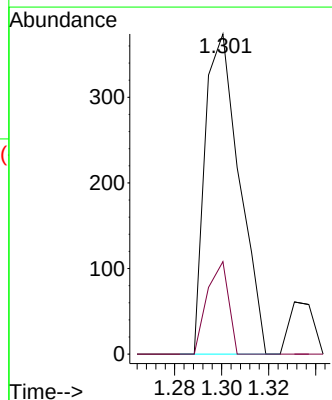
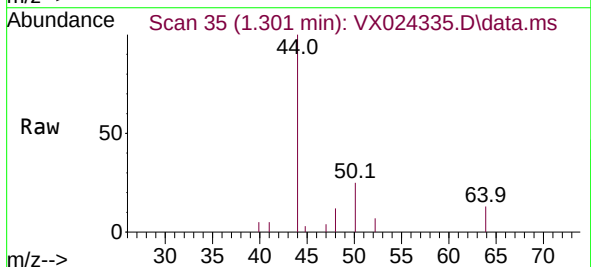
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20210914

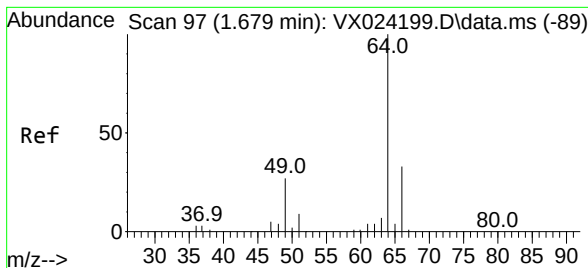
Tgt Ion:168 Resp: 124227
Ion Ratio Lower Upper
168 100
99 57.2 45.8 68.6



#3
Chloromethane
Concen: 0.304 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024335.D
Acq: 18 Sep 2021 02:33

Tgt Ion: 50 Resp: 379
Ion Ratio Lower Upper
50 100
52 28.9 26.4 39.6

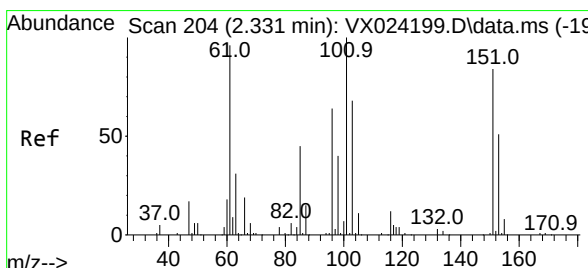
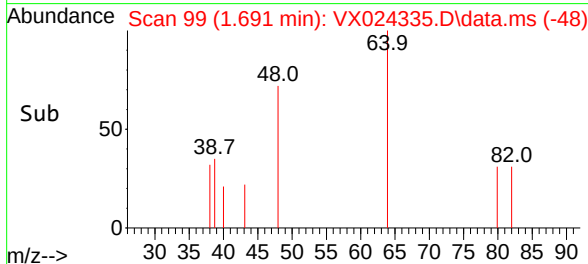
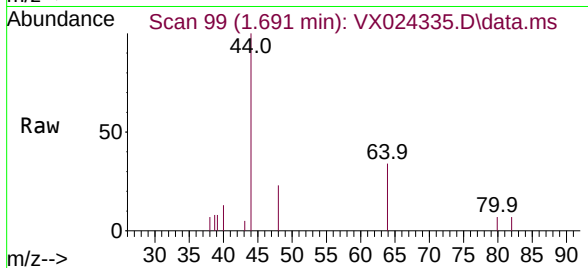




#6
Chloroethane
Concen: 2.127 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX024335.D
Acq: 18 Sep 2021 02:33

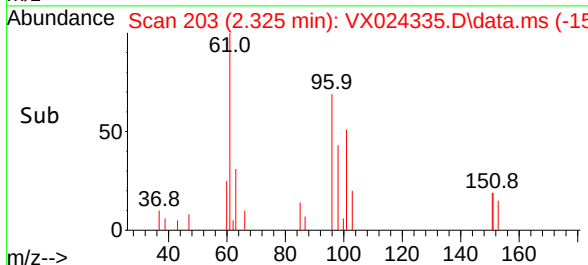
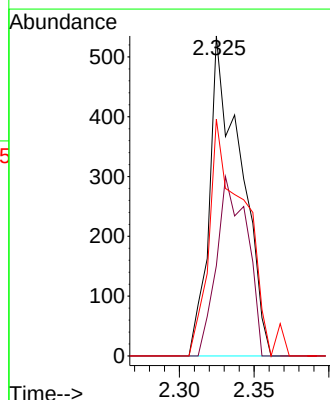
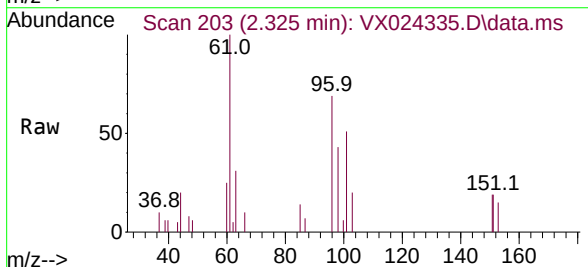
Instrument :
MSVOA_X
ClientSampleId :
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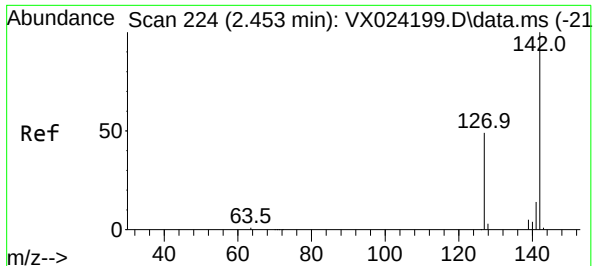
Tgt Ion: 64 Resp: 131
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.639 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX024335.D
Acq: 18 Sep 2021 02:33

Tgt Ion: 101 Resp: 781
Ion Ratio Lower Upper
101 100
85 54.3 34.9 52.3#
151 83.6 61.4 92.2

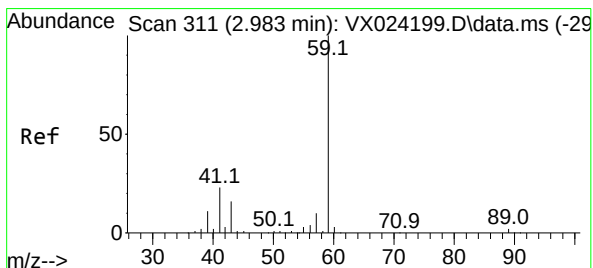
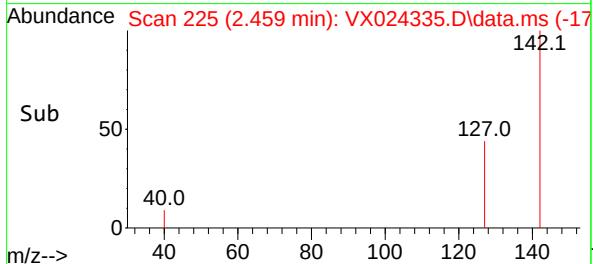
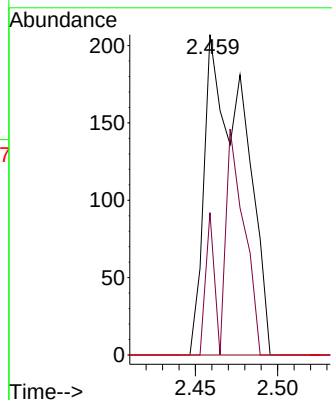
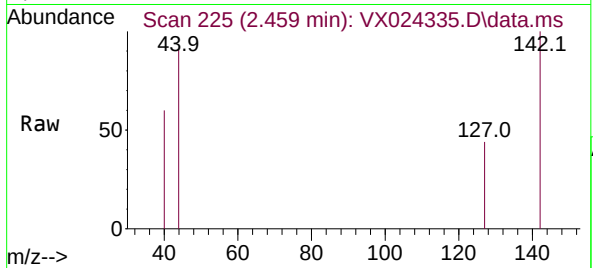




#10
Methyl Iodide
Concen: 0.203 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX024335.D
Acq: 18 Sep 2021 02:33

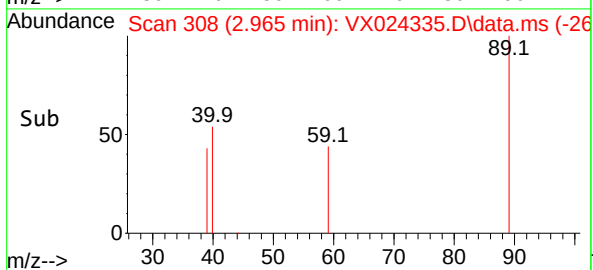
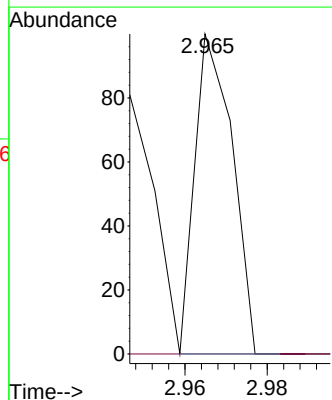
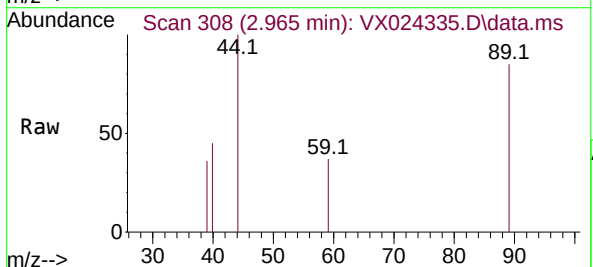
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20210914

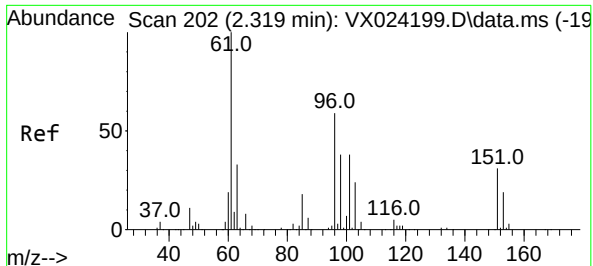
Tgt Ion:142 Resp: 343
Ion Ratio Lower Upper
142 100
127 42.6 33.3 49.9
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX024335.D
Acq: 18 Sep 2021 02:33

Tgt Ion: 59 Resp: 63
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.918 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX024335.D

Acq: 18 Sep 2021 02:33

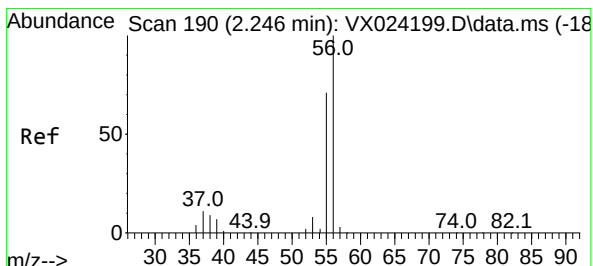
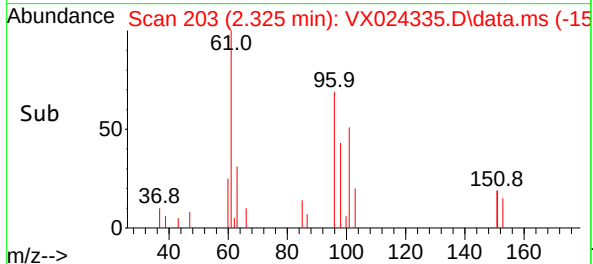
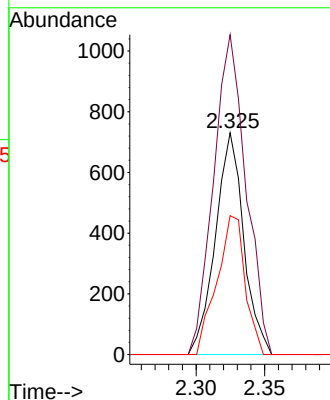
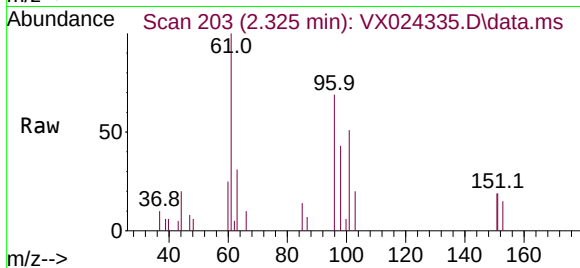
Tgt Ion: 96 Resp: 1052

Ion Ratio Lower Upper

96 100

61 144.2 124.6 187.0

98 62.7 50.6 76.0



#13

Acrolein

Concen: 0.266 ug/l

RT: 2.264 min Scan# 193

Delta R.T. 0.018 min

Lab File: VX024335.D

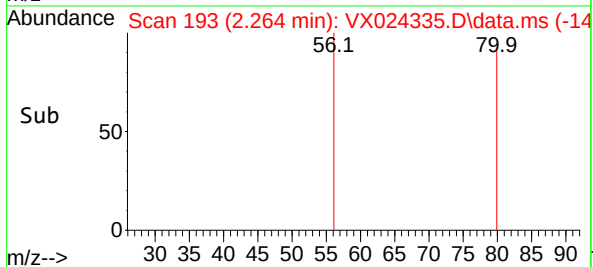
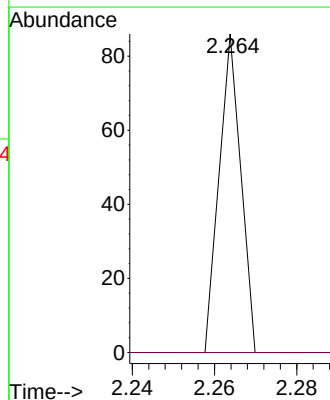
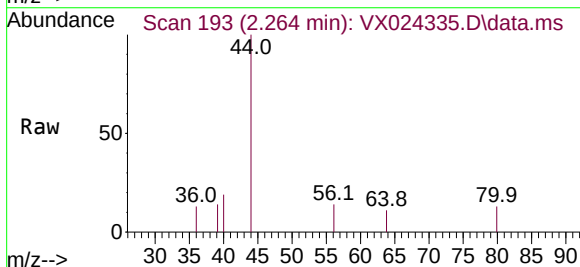
Acq: 18 Sep 2021 02:33

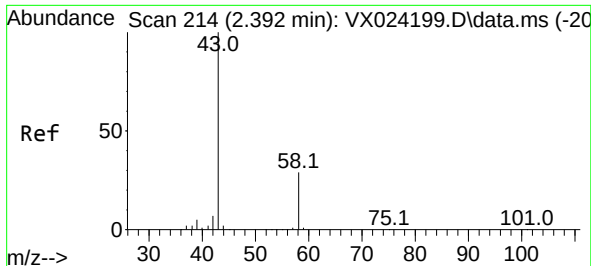
Tgt Ion: 56 Resp: 31

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#

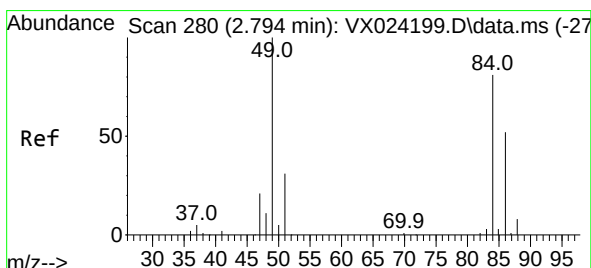
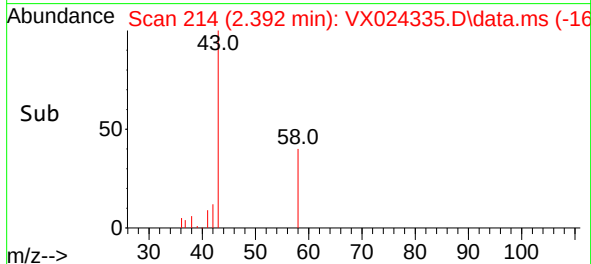
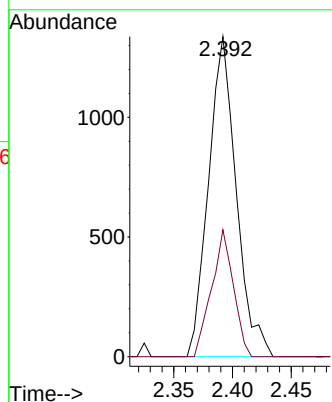
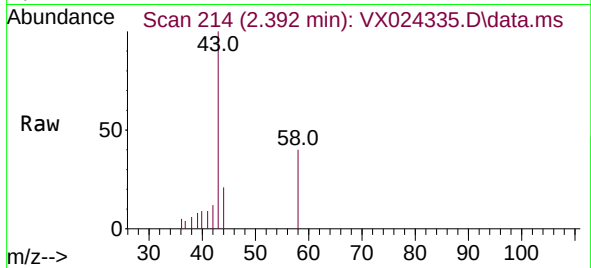




#16
Acetone
Concen: 2.906 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX024335.D
Acq: 18 Sep 2021 02:33

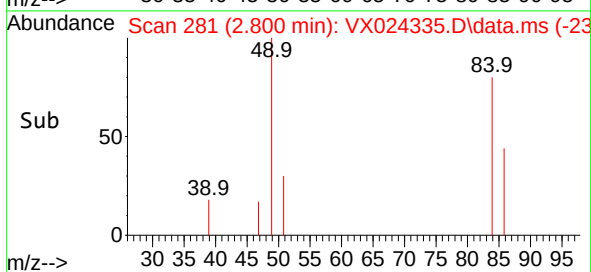
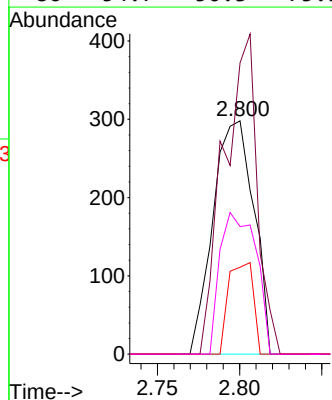
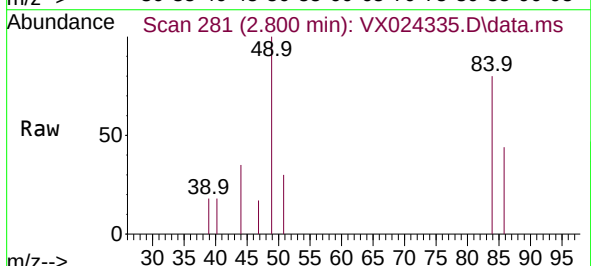
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ClientSampleId :
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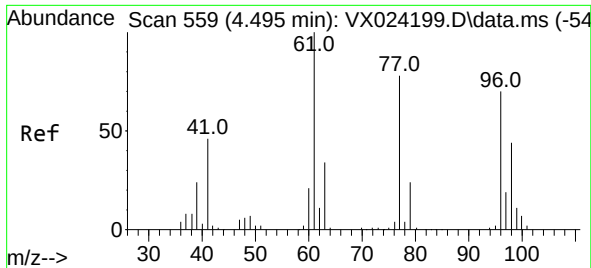
Tgt Ion: 43 Resp: 2195
Ion Ratio Lower Upper
43 100
58 39.6 27.8 41.8



#20
Methylene Chloride
Concen: 0.354 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX024335.D
Acq: 18 Sep 2021 02:33

Tgt Ion: 84 Resp: 514
Ion Ratio Lower Upper
84 100
49 124.8 88.6 132.8
51 37.2 27.0 40.6
86 54.7 50.3 75.5





#27

cis-1,2-Dichloroethene

Concen: 1.006 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.006 min

Lab File: VX024335.D

Acq: 18 Sep 2021 02:33

Tgt Ion: 96 Resp: 1457

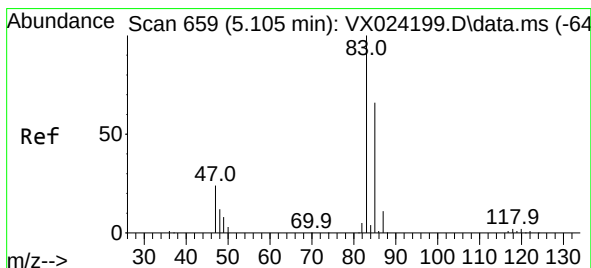
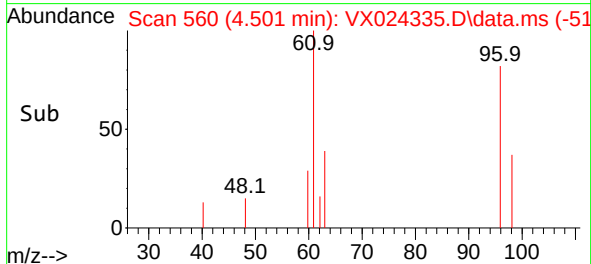
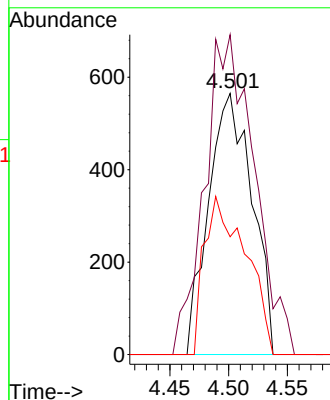
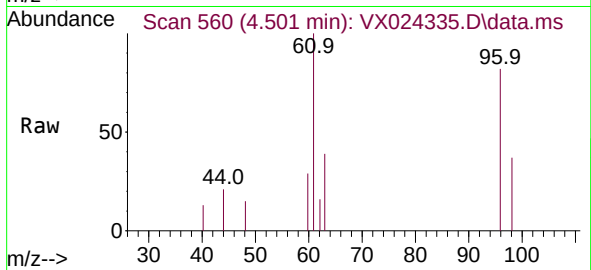
Ion	Ratio	Lower	Upper
96	100		
61	139.4	0.0	285.6
98	58.0	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

RE117D1-20210914



#30

Chloroform

Concen: 0.359 ug/l

RT: 5.117 min Scan# 661

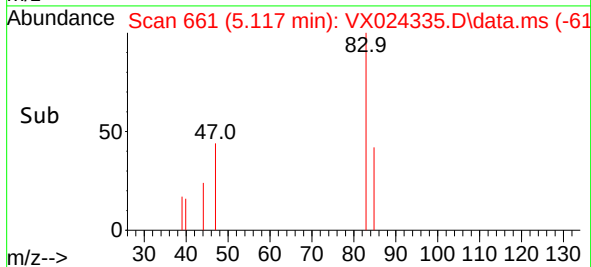
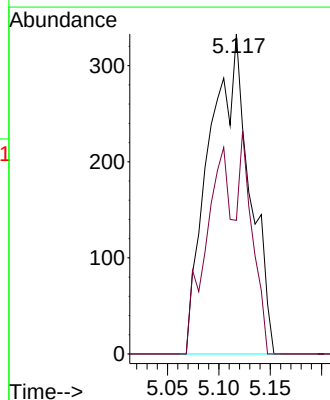
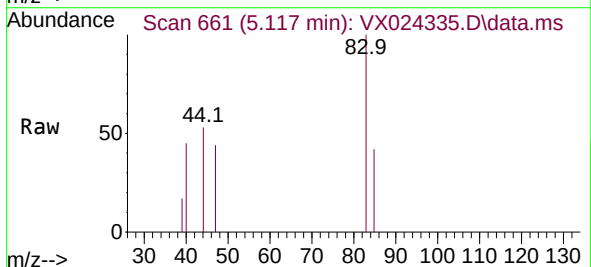
Delta R.T. 0.012 min

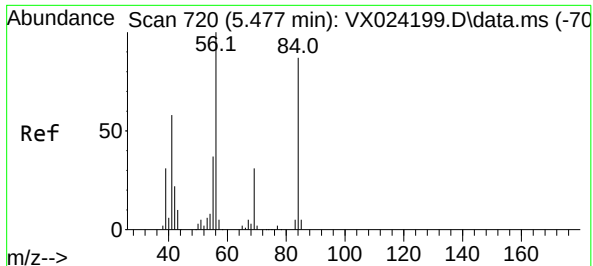
Lab File: VX024335.D

Acq: 18 Sep 2021 02:33

Tgt Ion: 83 Resp: 915

Ion	Ratio	Lower	Upper
83	100		
85	41.7	52.0	78.0#

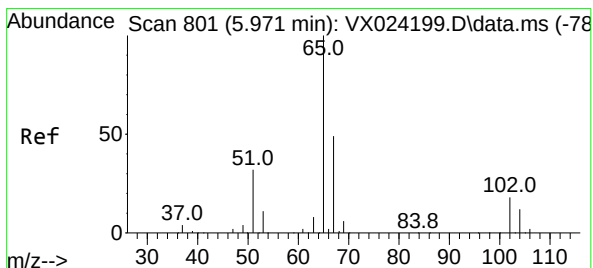
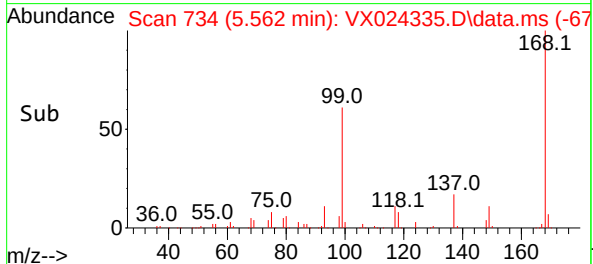
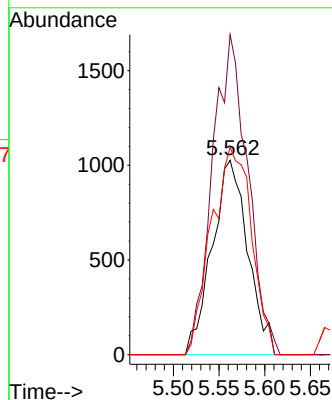
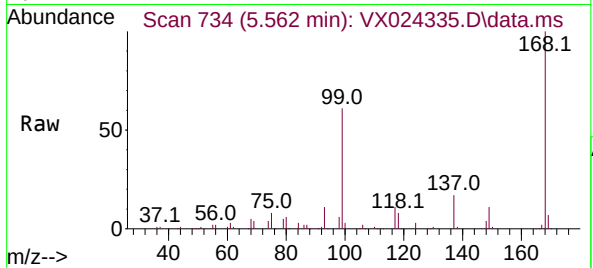




#31
Cyclohexane
Concen: 1.347 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024335.D
Acq: 18 Sep 2021 02:33

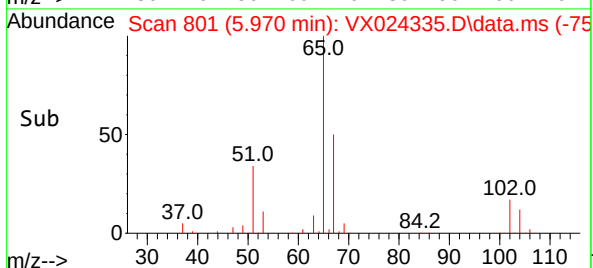
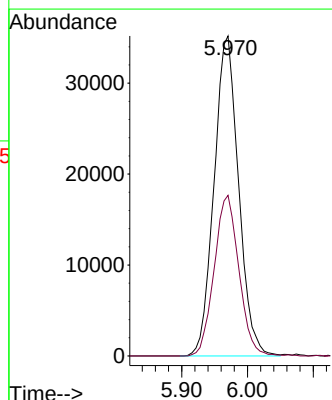
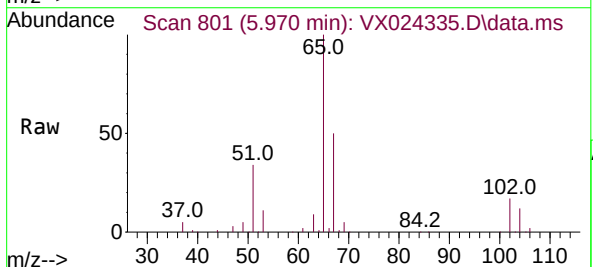
Instrument :
MSVOA_X
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RE117D1-20210914

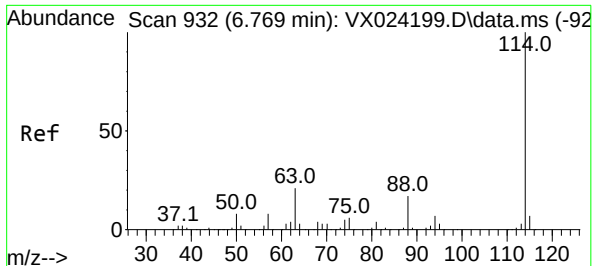
Tgt Ion: 56 Resp: 2792
Ion Ratio Lower Upper
56 100
69 164.6 25.3 37.9#
84 106.7 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 51.471 ug/l
RT: 5.970 min Scan# 801
Delta R.T. -0.001 min
Lab File: VX024335.D
Acq: 18 Sep 2021 02:33

Tgt Ion: 65 Resp: 91178
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.4

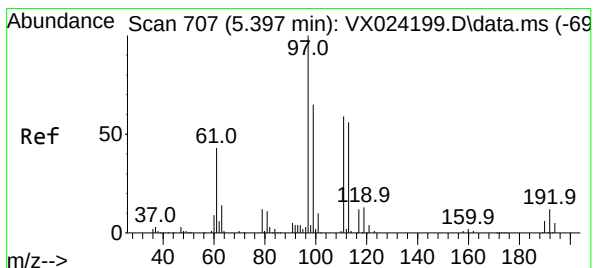
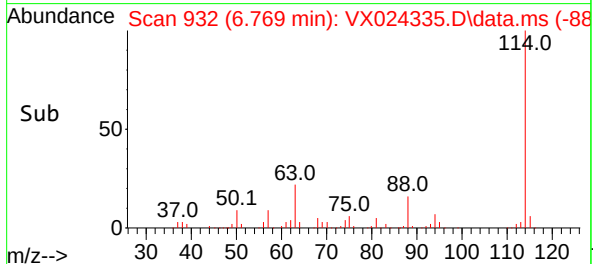
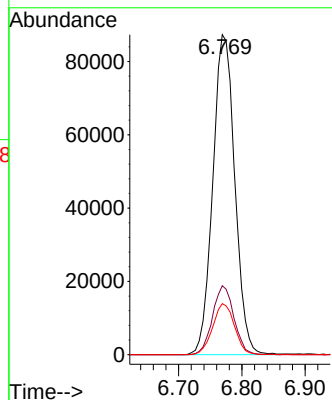
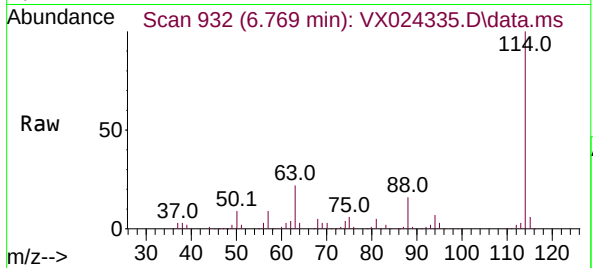




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024335.D
Acq: 18 Sep 2021 02:33

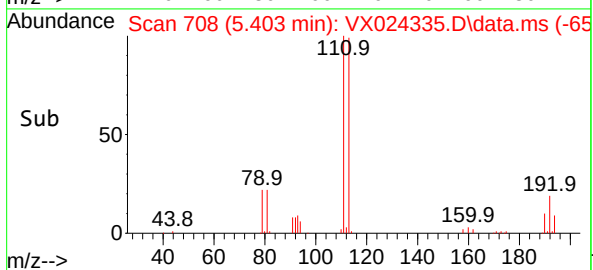
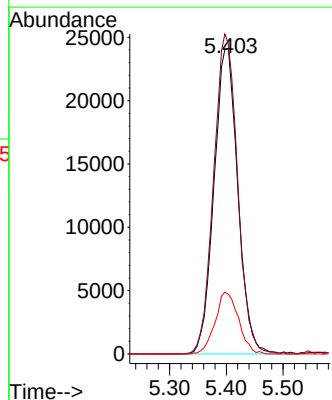
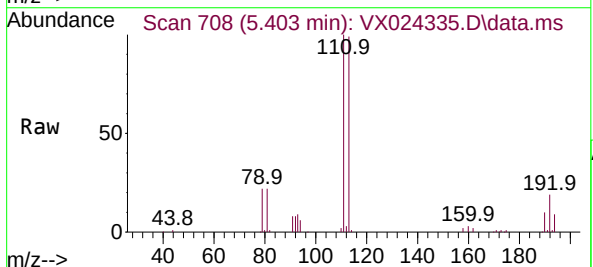
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20210914

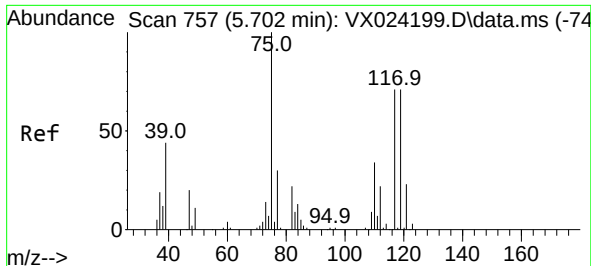
Tgt Ion:114 Resp: 210854
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.8
88 16.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.851 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX024335.D
Acq: 18 Sep 2021 02:33

Tgt Ion:113 Resp: 70493
Ion Ratio Lower Upper
113 100
111 104.9 81.9 122.9
192 19.8 16.7 25.1

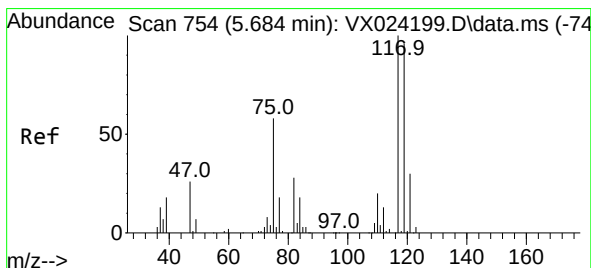
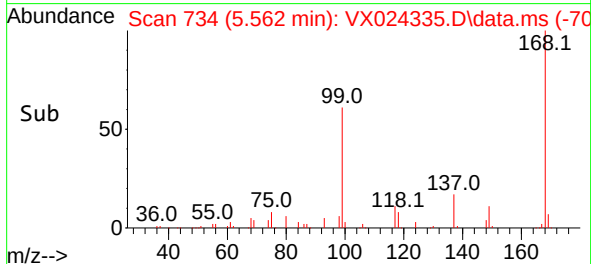
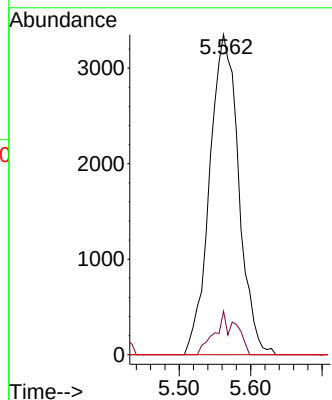
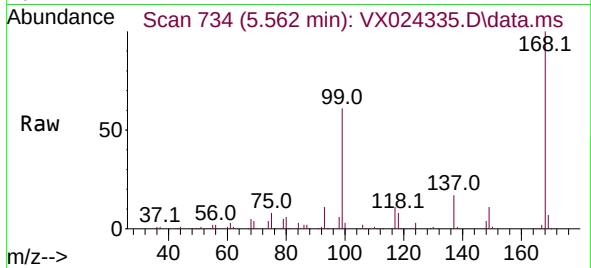




#36
1,1-Dichloropropene
Concen: 4.881 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024335.D
Acq: 18 Sep 2021 02:33

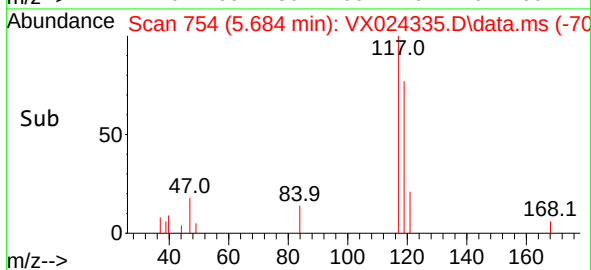
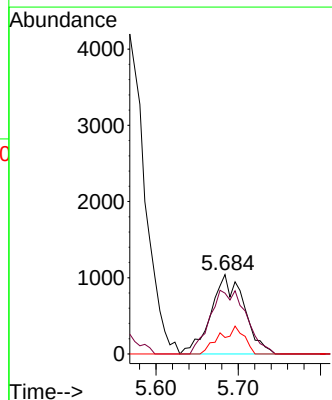
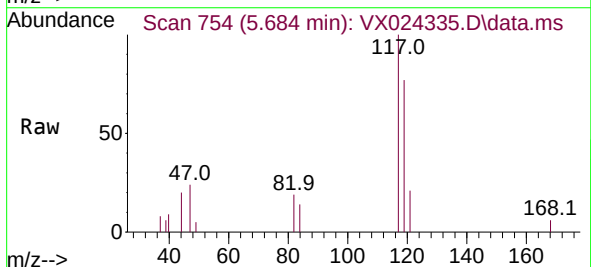
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20210914

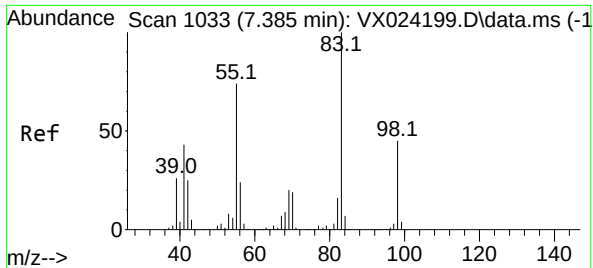
Tgt Ion: 75 Resp: 9462
Ion Ratio Lower Upper
75 100
110 9.8 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 1.342 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX024335.D
Acq: 18 Sep 2021 02:33

Tgt Ion: 117 Resp: 2929
Ion Ratio Lower Upper
117 100
119 76.6 76.2 114.2
121 20.8 24.8 37.2#





#39

Methylcyclohexane

Concen: 0.840 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX024335.D

Acq: 18 Sep 2021 02:33

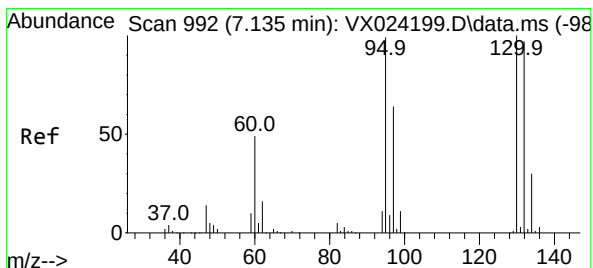
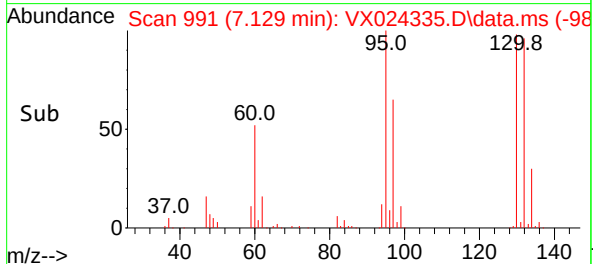
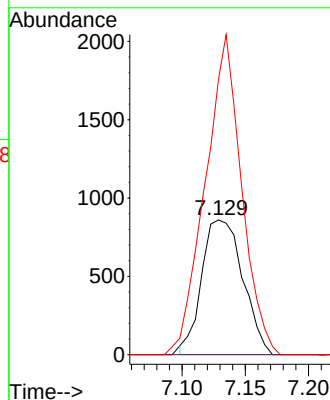
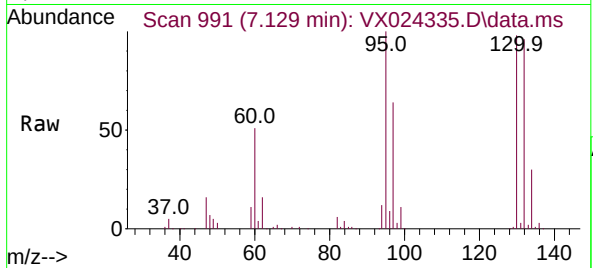
Tgt Ion: 83	Resp: 1945
Ion Ratio	Lower Upper
83 100	
55 0.0	58.9 88.3#
98 204.2	38.1 57.1#

Instrument :

MSVOA_X

ClientSampleId :

RE117D1-20210914



#44

Trichloroethene

Concen: 97.971 ug/l

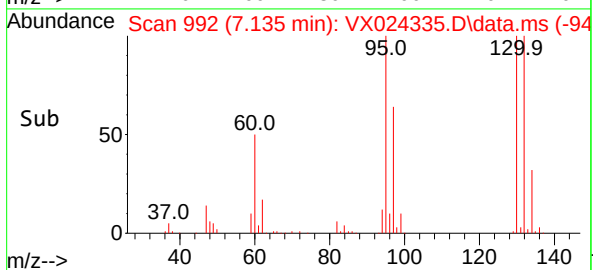
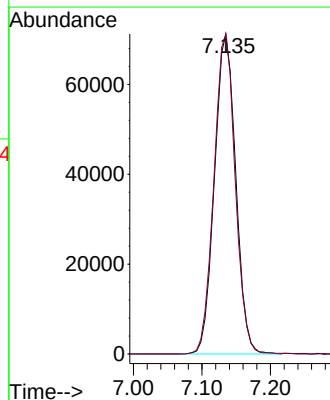
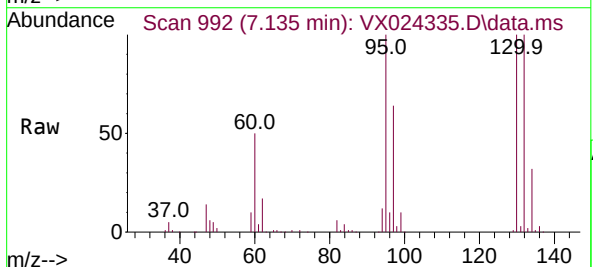
RT: 7.135 min Scan# 992

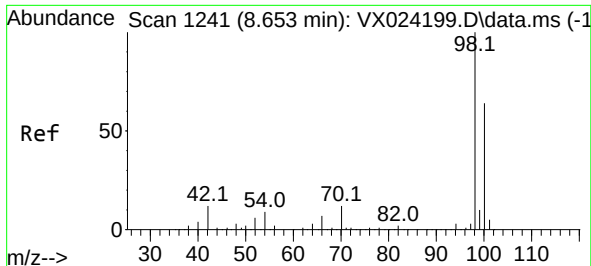
Delta R.T. -0.000 min

Lab File: VX024335.D

Acq: 18 Sep 2021 02:33

Tgt Ion: 130	Resp: 153053
Ion Ratio	Lower Upper
130 100	
95 100.0	0.0 198.0

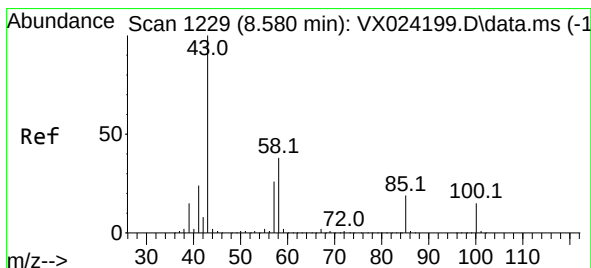
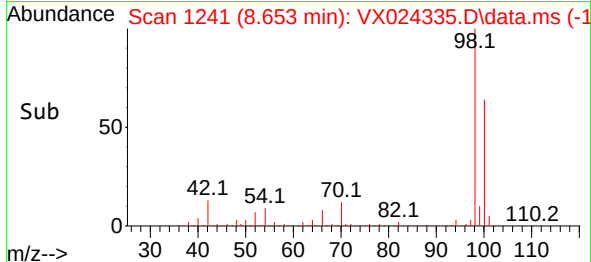
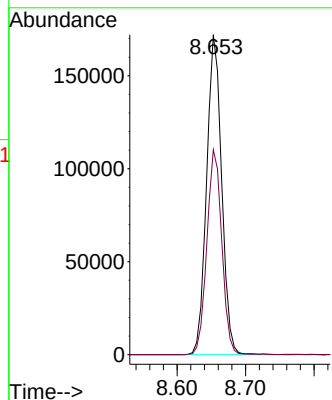
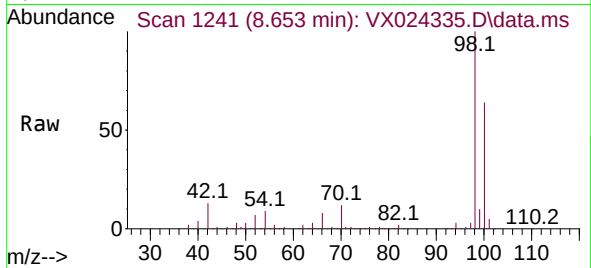




#50
Toluene-d8
Concen: 51.025 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024335.D
Acq: 18 Sep 2021 02:33

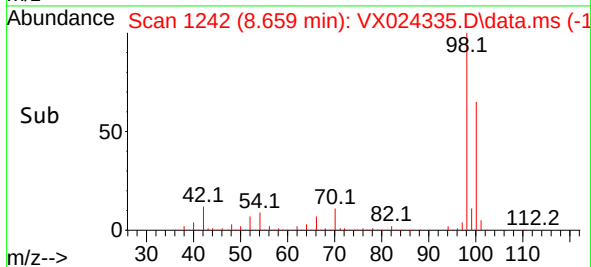
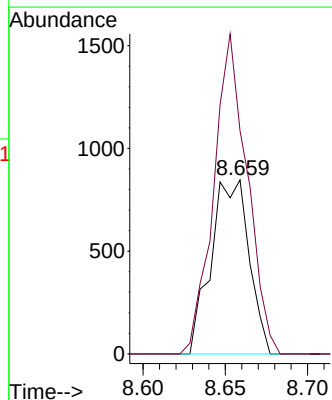
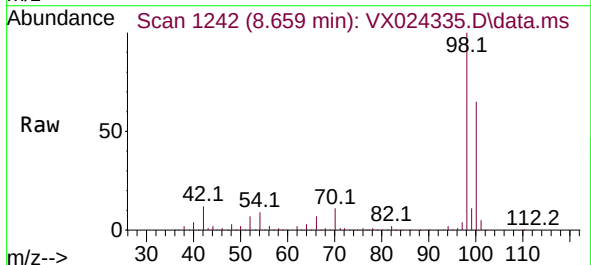
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20210914

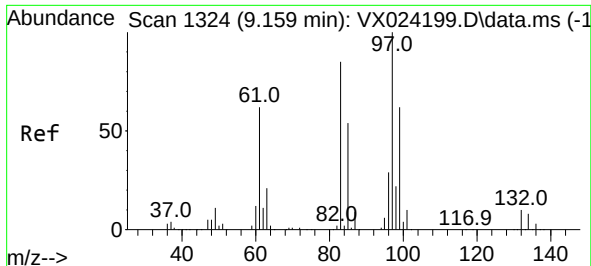
Tgt Ion: 98 Resp: 262854
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.596 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. 0.079 min
Lab File: VX024335.D
Acq: 18 Sep 2021 02:33

Tgt Ion: 43 Resp: 1365
Ion Ratio Lower Upper
43 100
58 161.4 35.4 53.0#

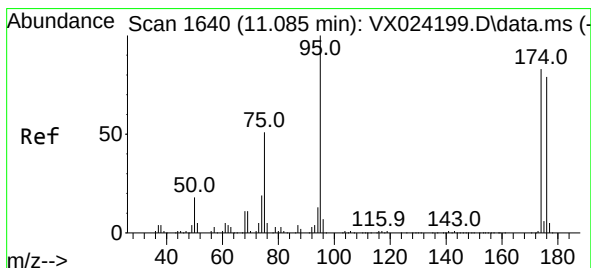
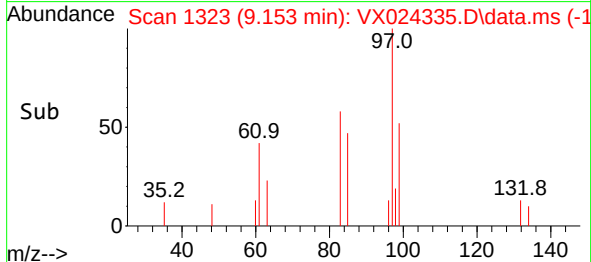
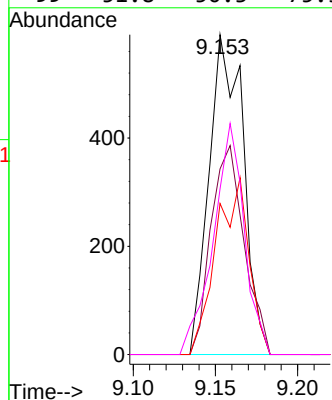
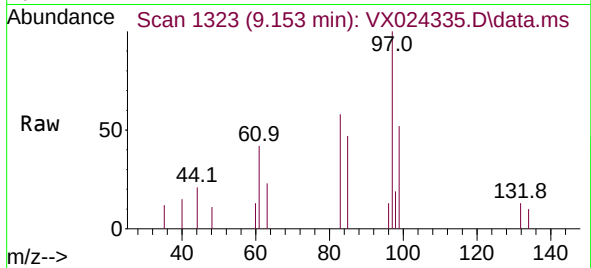




#55
1,1,2-Trichloroethane
Concen: 0.548 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. -0.006 min
Lab File: VX024335.D
Acq: 18 Sep 2021 02:33

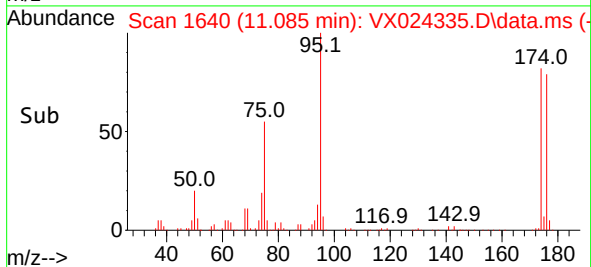
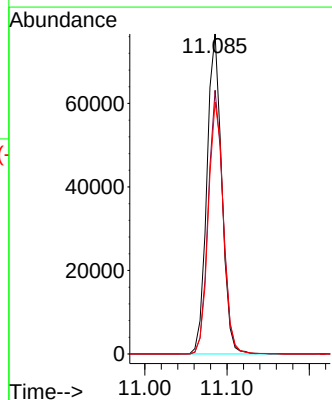
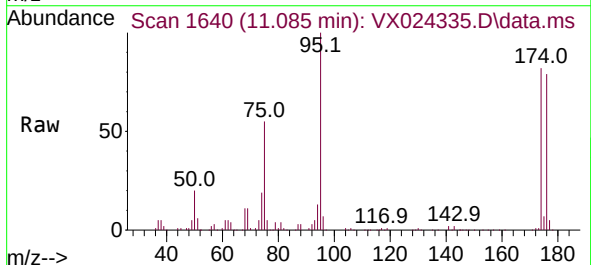
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20210914

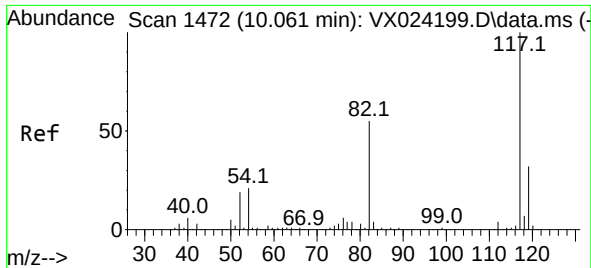
Tgt Ion: 97	Resp: 851
Ion Ratio	Lower Upper
97 100	
83 58.0	69.3 103.9#
85 47.2	44.3 66.5
99 51.8	50.3 75.5



#62
4-Bromofluorobenzene
Concen: 48.047 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024335.D
Acq: 18 Sep 2021 02:33

Tgt Ion: 95	Resp: 96323
Ion Ratio	Lower Upper
95 100	
174 82.0	0.0 154.6
176 80.0	0.0 155.8

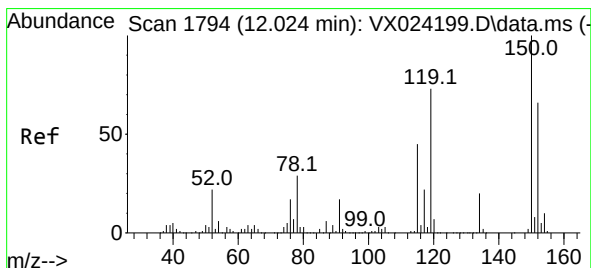
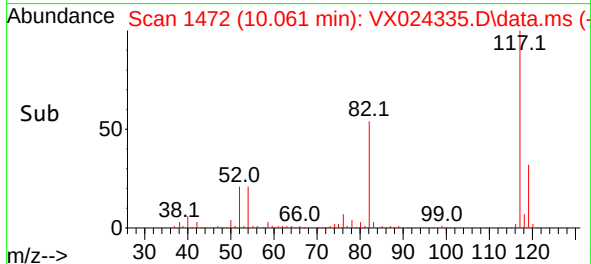
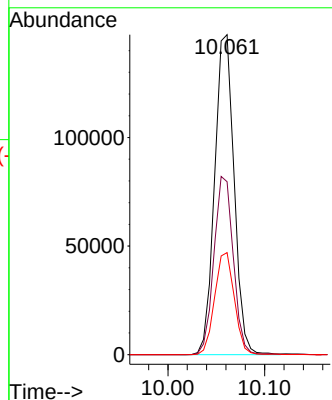
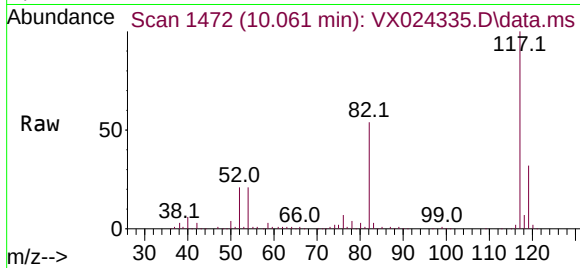




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX024335.D
Acq: 18 Sep 2021 02:33

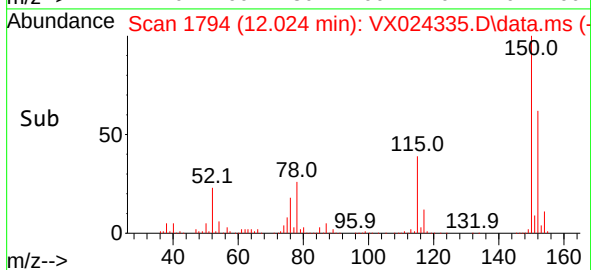
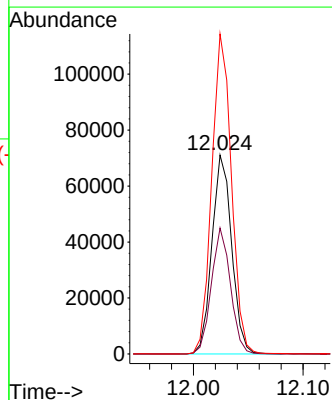
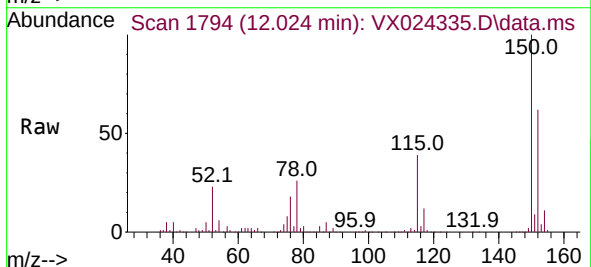
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20210914

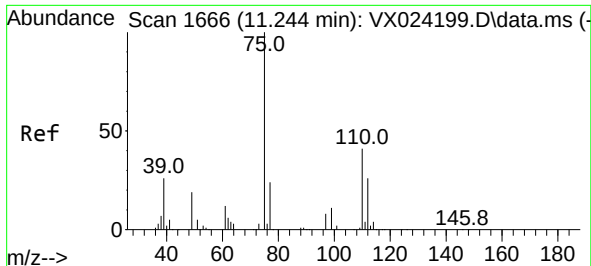
Tgt Ion:117 Resp: 206230
Ion Ratio Lower Upper
117 100
82 54.1 47.4 71.2
119 31.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024335.D
Acq: 18 Sep 2021 02:33

Tgt Ion:152 Resp: 89106
Ion Ratio Lower Upper
152 100
115 61.2 41.1 123.3
150 159.9 0.0 349.0

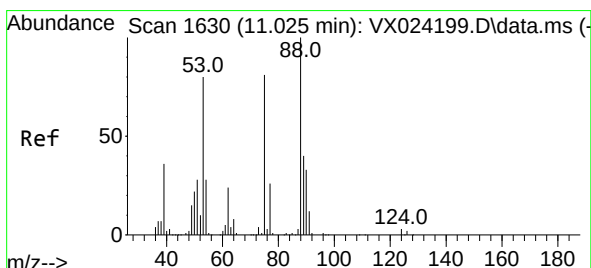
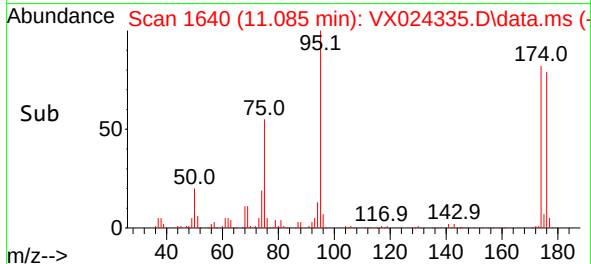
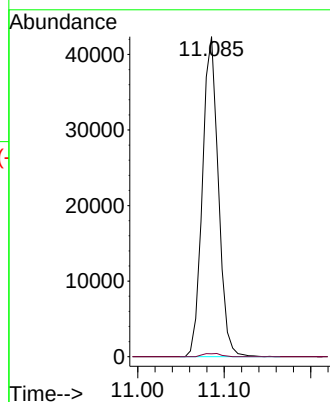
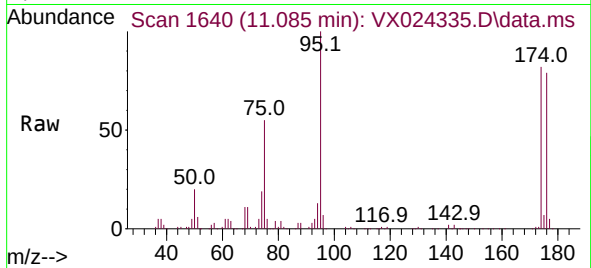




#76
1,2,3-Trichloropropane
Concen: 26.408 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024335.D
Acq: 18 Sep 2021 02:33

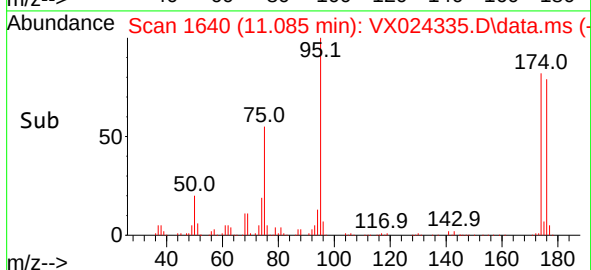
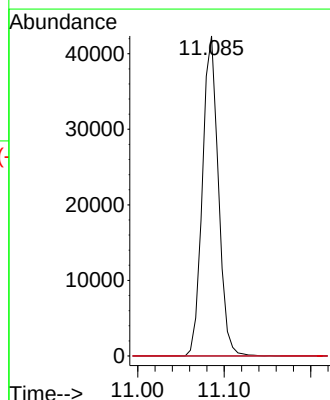
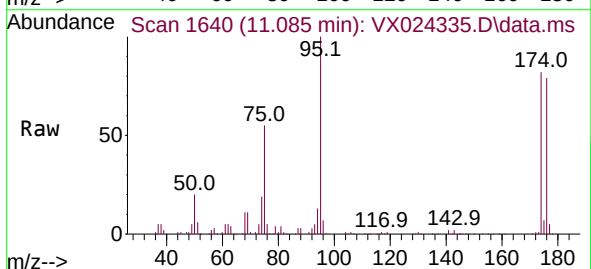
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20210914

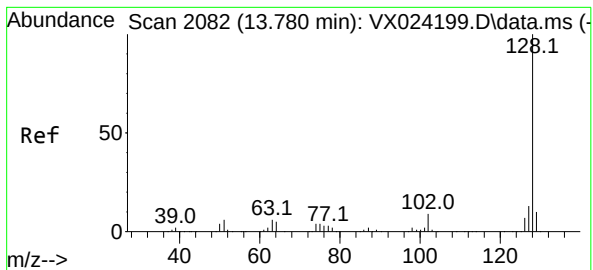
Tgt Ion: 75 Resp: 54108
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.667 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024335.D
Acq: 18 Sep 2021 02:33

Tgt Ion: 75 Resp: 54108
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.291 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX024335.D
Acq: 18 Sep 2021 02:33

Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20210914

Tgt Ion:128 Resp: 26
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

