

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092121\
 Data File : VX024418.D
 Acq On : 22 Sep 2021 04:59
 Operator : JC/MD
 Sample : M3833-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE103D3-20210920

Quant Time: Sep 22 06:57:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 21 10:52:48 2021
 Response via : Initial Calibration

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

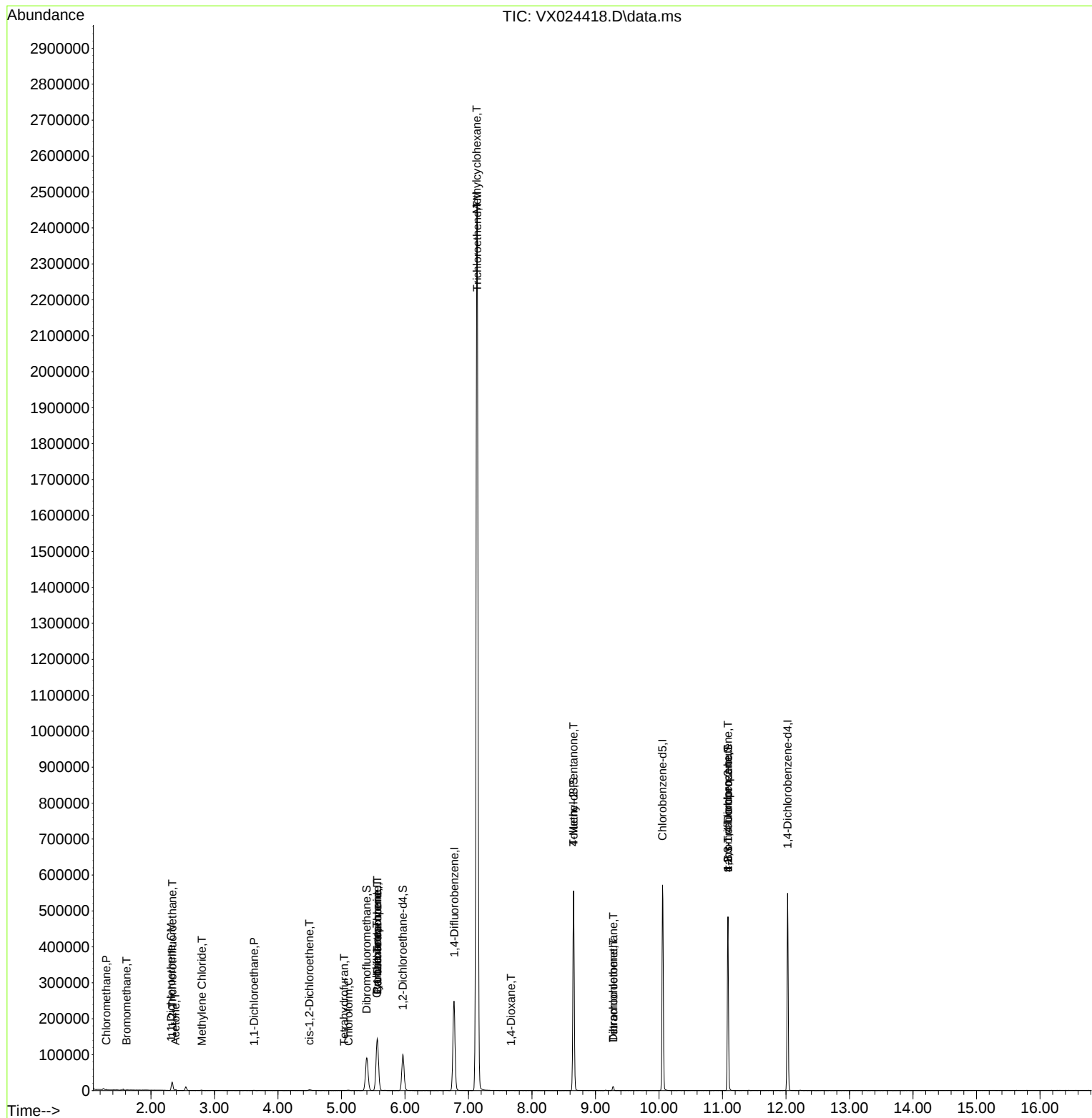
Internal Standards						
1) Pentafluorobenzene	5.562	168	132831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	248003	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	259893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	110722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	99701	52.637	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.280%	
35) Dibromofluoromethane	5.397	113	77155	46.389	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 92.780%	
50) Toluene-d8	8.653	98	311462	51.405	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.800%	
62) 4-Bromofluorobenzene	11.085	95	122802	52.080	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.160%	
Target Compounds						
						Qvalue
3) Chloromethane	1.295	50	521	0.391	ug/l	95
5) Bromomethane	1.618	94	309	0.391	ug/l #	37
9) 1,1,2-Trichlorotrifluo...	2.337	101	8997	6.880	ug/l	97
11) Tert butyl alcohol	2.953	59	302	Below Cal	#	73
12) 1,1-Dichloroethene	2.319	96	764	0.624	ug/l	100
16) Acetone	2.386	43	2644	3.274	ug/l #	83
20) Methylene Chloride	2.800	84	576	0.371	ug/l #	93
24) 1,1-Dichloroethane	3.623	63	888	0.346	ug/l #	90
27) cis-1,2-Dichloroethene	4.495	96	1690	1.091	ug/l	94
29) Tetrahydrofuran	5.044	42	174	0.234	ug/l #	44
30) Chloroform	5.111	83	1558	0.571	ug/l	96
31) Cyclohexane	5.556	56	3017	1.362	ug/l #	29
36) 1,1-Dichloropropene	5.562	75	10762	4.720	ug/l #	49
38) Carbon Tetrachloride	5.562	117	13619	5.307	ug/l #	16
39) Methylcyclohexane	7.129	83	11433	4.200	ug/l #	1
44) Trichloroethene	7.135	130	945447	514.540	ug/l	100
49) 1,4-Dioxane	7.671	88	83	1.878	ug/l #	24
51) 4-Methyl-2-Pentanone	8.653	43	1508	0.560	ug/l #	1
60) Dibromochloromethane	9.281	129	2153	2.730	ug/l #	11
64) Tetrachloroethene	9.281	164	2156	1.071	ug/l #	85
76) 1,2,3-Trichloropropane	11.085	75	63099	24.784	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	63099	72.890	ug/l #	12

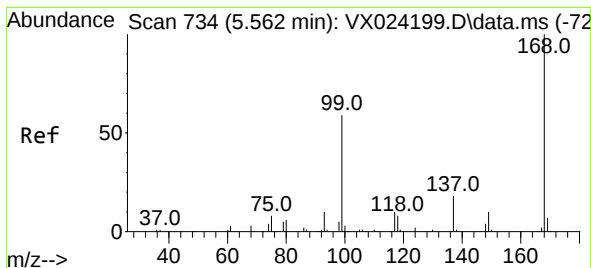
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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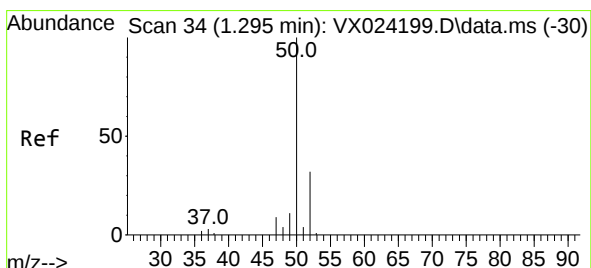
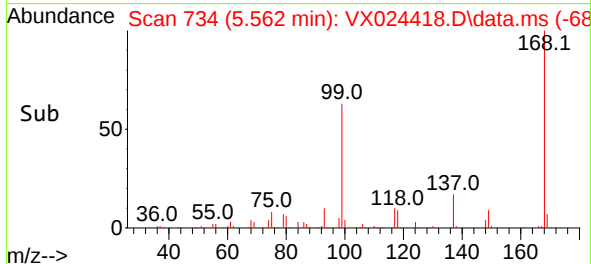
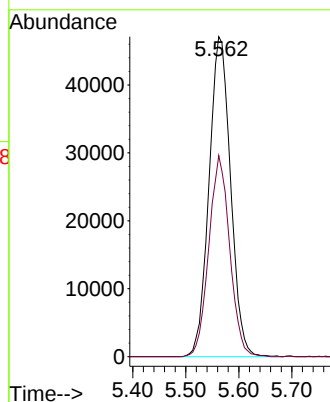
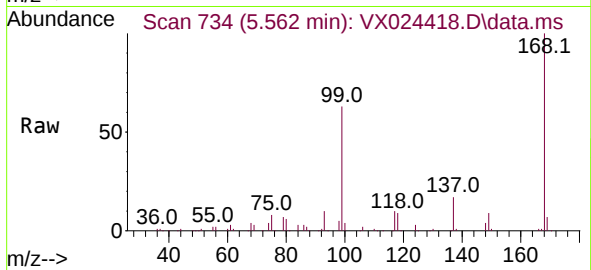




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024418.D
Acq: 22 Sep 2021 04:59

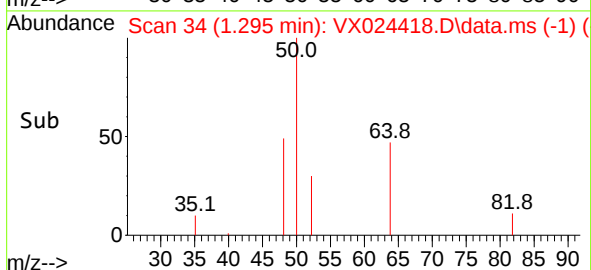
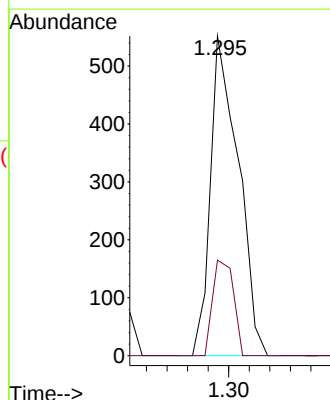
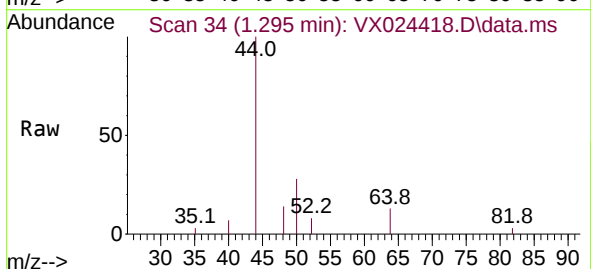
Instrument :
MSVOA_N
ClientSampleId :
RE103D3-20210920

Tgt Ion:168 Resp: 132831
Ion Ratio Lower Upper
168 100
99 62.8 45.8 68.6



#3
Chloromethane
Concen: 0.391 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX024418.D
Acq: 22 Sep 2021 04:59

Tgt Ion: 50 Resp: 521
Ion Ratio Lower Upper
50 100
52 29.9 26.4 39.6

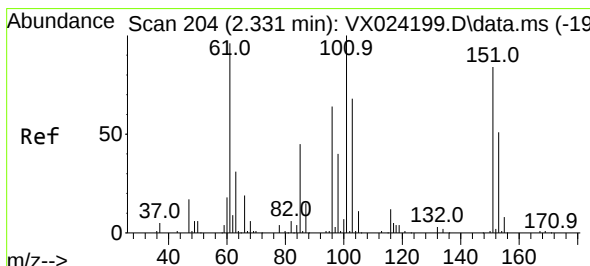
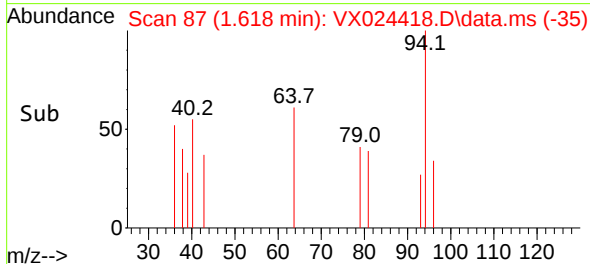
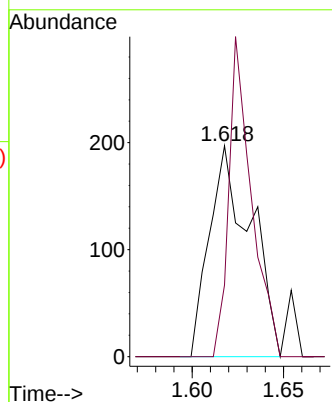
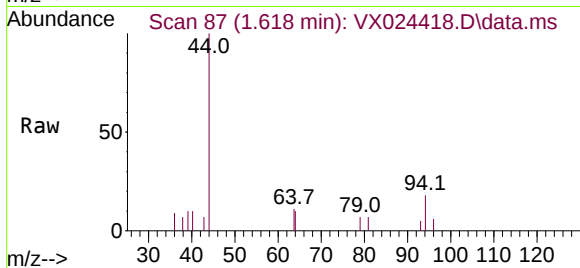




#5
Bromomethane
Concen: 0.391 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX024418.D
Acq: 22 Sep 2021 04:59

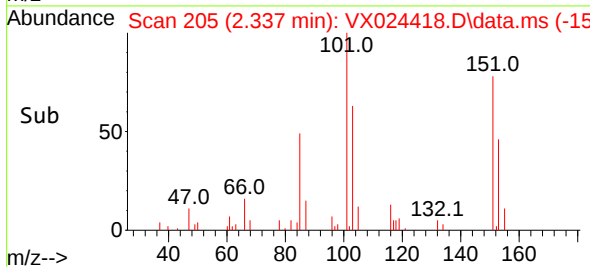
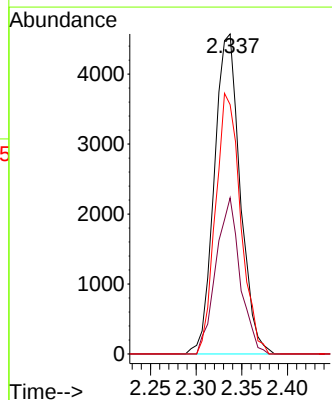
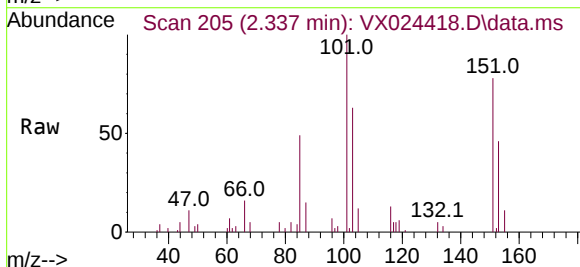
Instrument :
MSVOA_N
ClientSampleId :
RE103D3-20210920

Tgt Ion: 94 Resp: 309
Ion Ratio Lower Upper
94 100
96 34.0 76.4 114.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.880 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX024418.D
Acq: 22 Sep 2021 04:59

Tgt Ion: 101 Resp: 8997
Ion Ratio Lower Upper
101 100
85 45.6 34.9 52.3
151 78.9 61.4 92.2



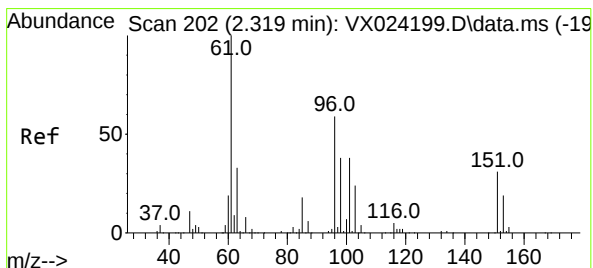
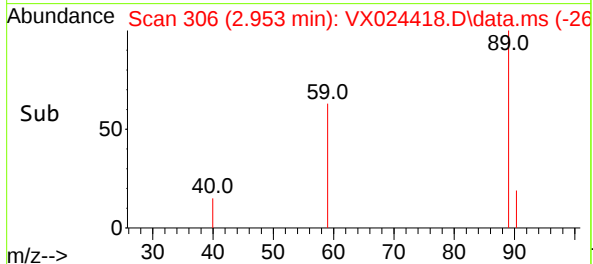
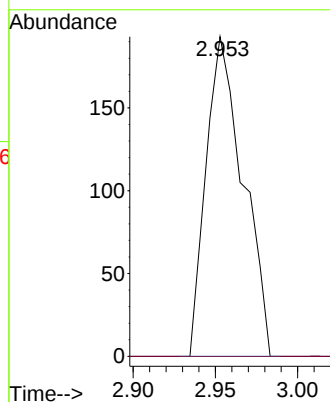
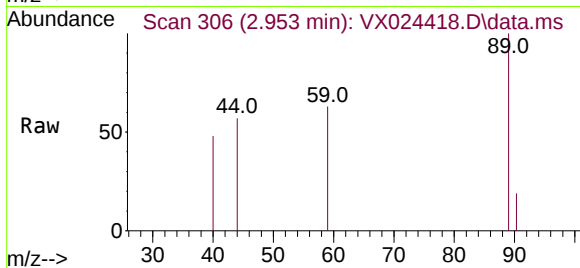


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX024418.D
Acq: 22 Sep 2021 04:59

Instrument :
MSVOA_N
ClientSampleId :
RE103D3-20210920

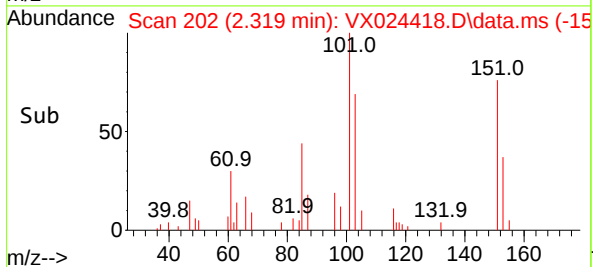
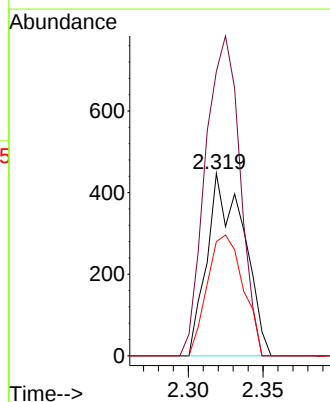
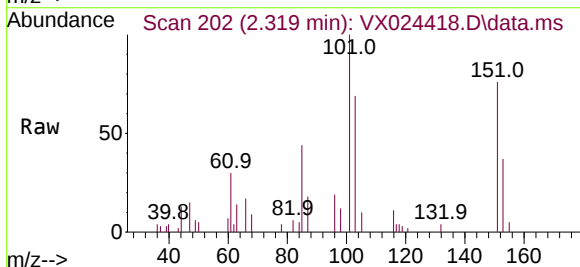
Tgt Ion: 59 Resp: 302
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

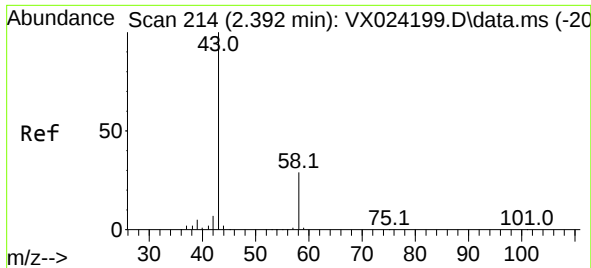


#12

1,1-Dichloroethene
Concen: 0.624 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX024418.D
Acq: 22 Sep 2021 04:59

Tgt Ion: 96 Resp: 764
Ion Ratio Lower Upper
96 100
61 155.9 124.6 187.0
98 62.6 50.6 76.0

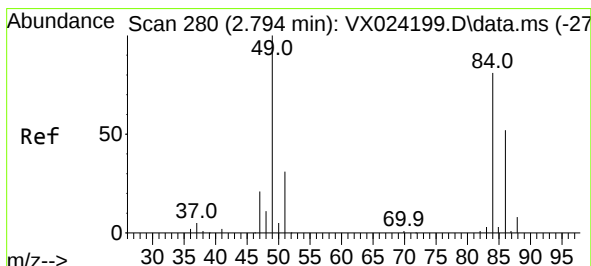
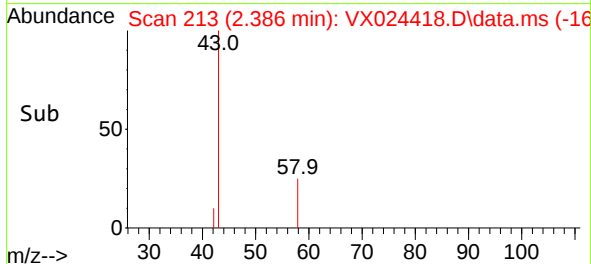
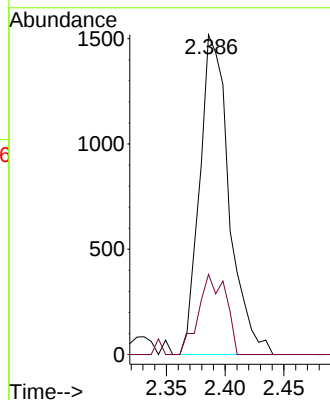
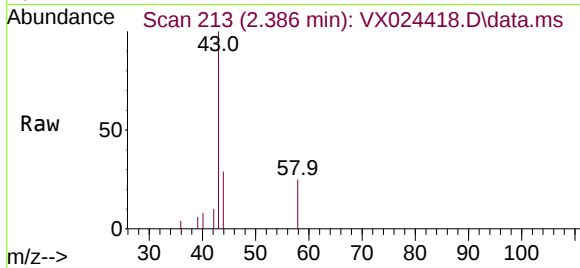




#16
Acetone
Concen: 3.274 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024418.D
Acq: 22 Sep 2021 04:59

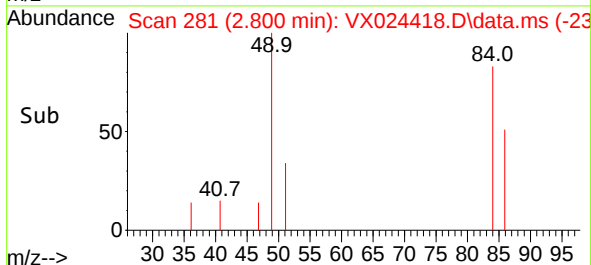
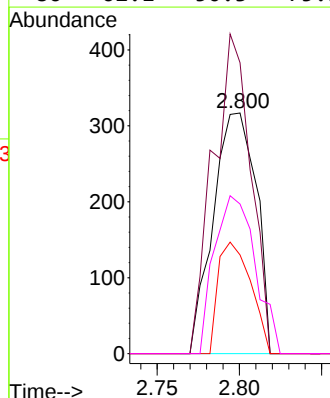
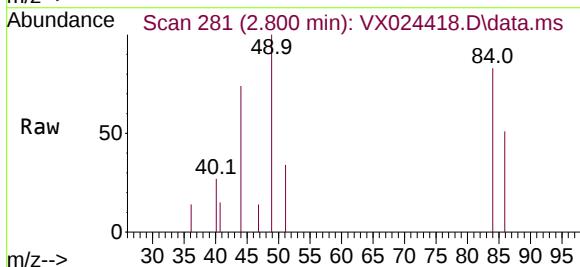
Instrument :
MSVOA_N
ClientSampleId :
RE103D3-20210920

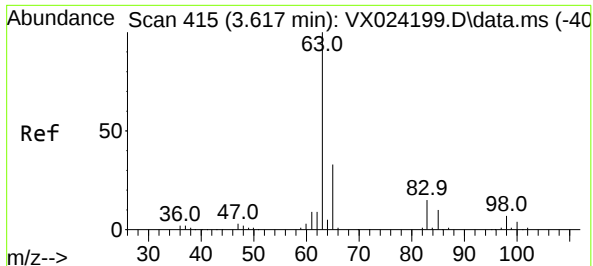
Tgt Ion: 43 Resp: 2644
Ion Ratio Lower Upper
43 100
58 25.1 27.8 41.8#



#20
Methylene Chloride
Concen: 0.371 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX024418.D
Acq: 22 Sep 2021 04:59

Tgt Ion: 84 Resp: 576
Ion Ratio Lower Upper
84 100
49 120.8 88.6 132.8
51 41.0 27.0 40.6#
86 62.1 50.3 75.5





#24

1,1-Dichloroethane

Concen: 0.346 ug/l

RT: 3.623 min Scan# 416

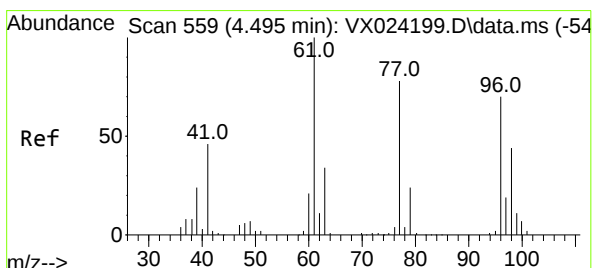
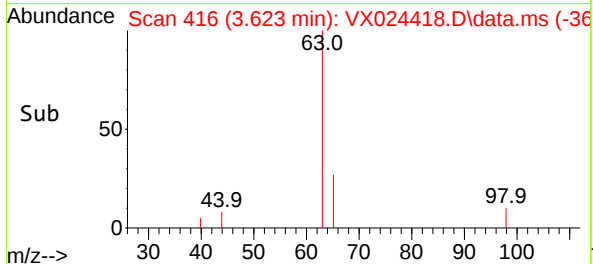
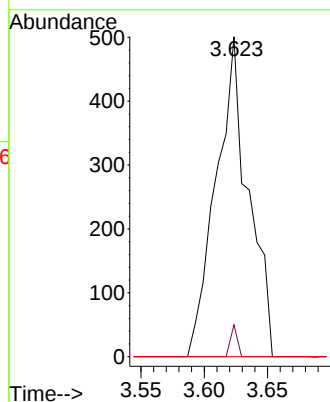
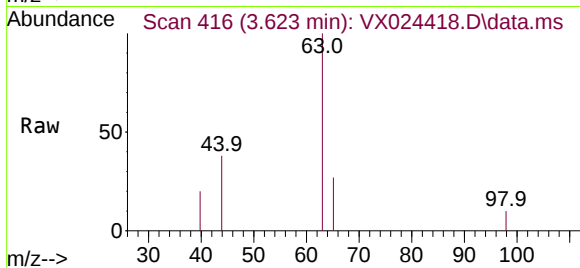
Delta R.T. 0.006 min

Lab File: VX024418.D

Acq: 22 Sep 2021 04:59

Tgt Ion: 63	Resp:	888
Ion Ratio	Lower	Upper
63	100	
98	10.0	3.8 11.2
100	0.0	2.5 7.5#

Instrument :
MSVOA_N
ClientSampleId :
RE103D3-20210920



#27

cis-1,2-Dichloroethene

Concen: 1.091 ug/l

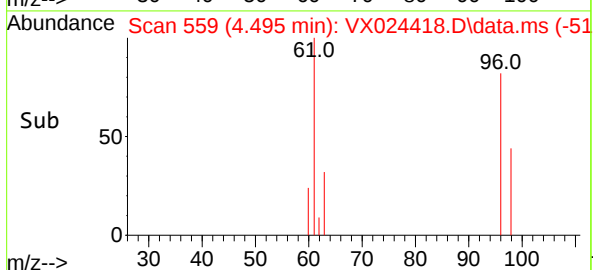
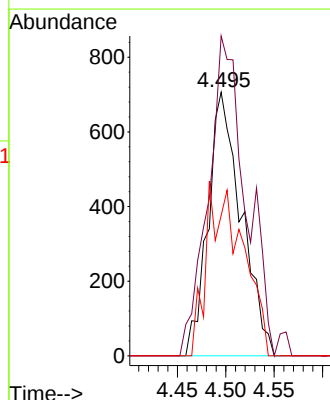
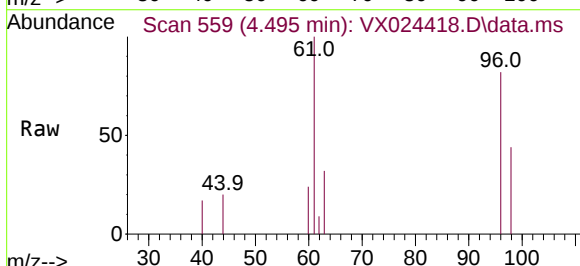
RT: 4.495 min Scan# 559

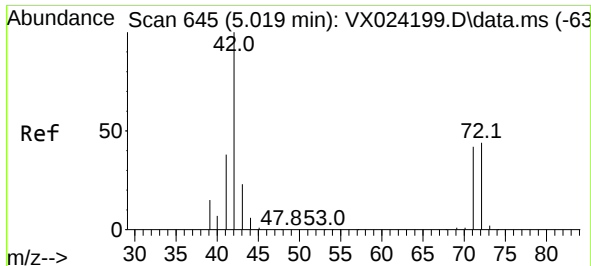
Delta R.T. 0.000 min

Lab File: VX024418.D

Acq: 22 Sep 2021 04:59

Tgt Ion: 96	Resp:	1690
Ion Ratio	Lower	Upper
96	100	
61	136.4	0.0 285.6
98	71.8	0.0 129.6





#29

Tetrahydrofuran

Concen: 0.234 ug/l

RT: 5.044 min Scan# 649

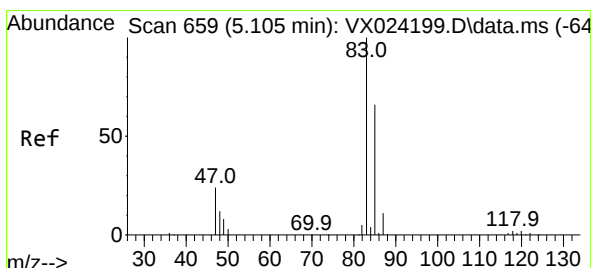
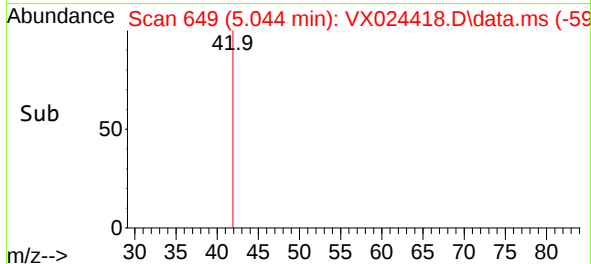
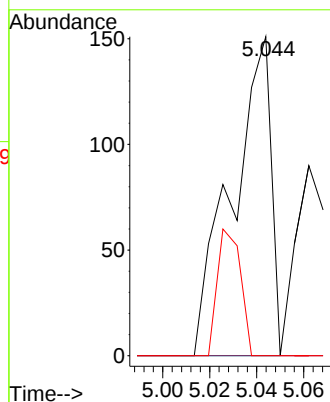
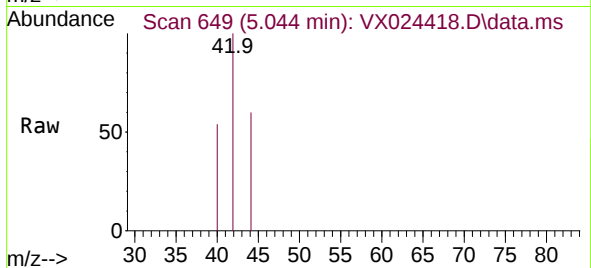
Delta R.T. 0.025 min

Lab File: VX024418.D

Acq: 22 Sep 2021 04:59

Tgt Ion:	42	Resp:	174
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	23.6	38.4	57.6#

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#30

Chloroform

Concen: 0.571 ug/l

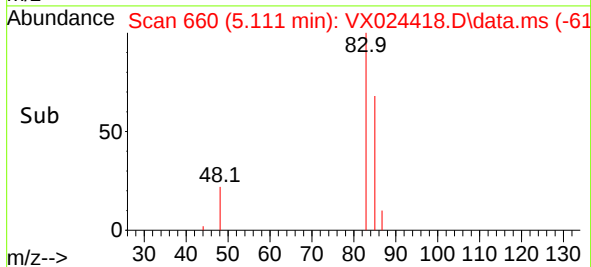
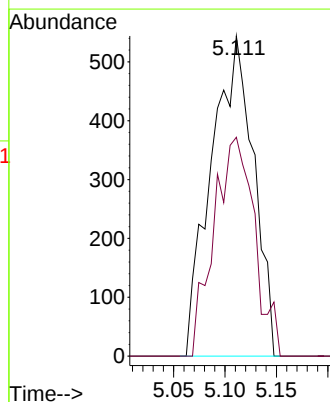
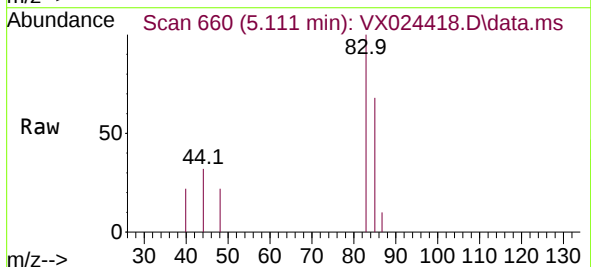
RT: 5.111 min Scan# 660

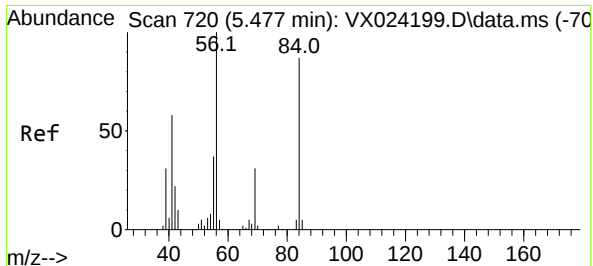
Delta R.T. 0.006 min

Lab File: VX024418.D

Acq: 22 Sep 2021 04:59

Tgt Ion:	83	Resp:	1558
Ion	Ratio	Lower	Upper
83	100		
85	68.4	52.0	78.0

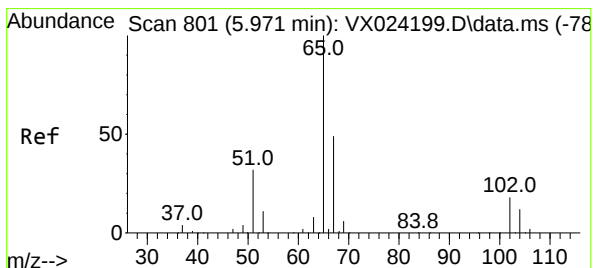
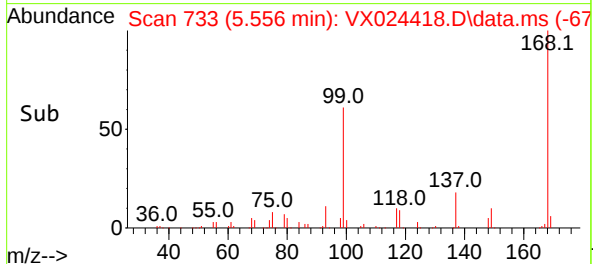
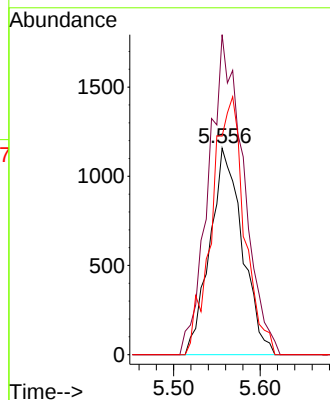
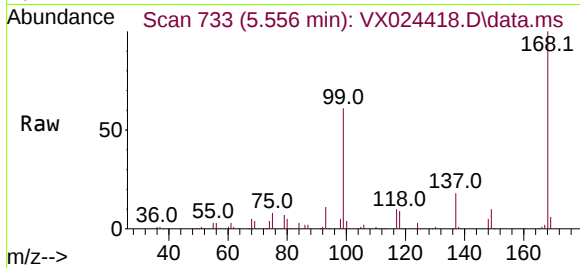




#31
Cyclohexane
Concen: 1.362 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX024418.D
Acq: 22 Sep 2021 04:59

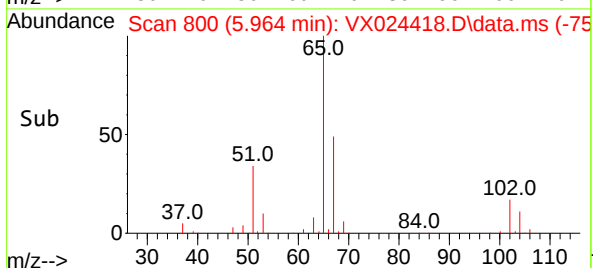
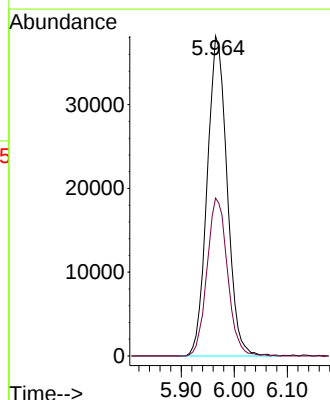
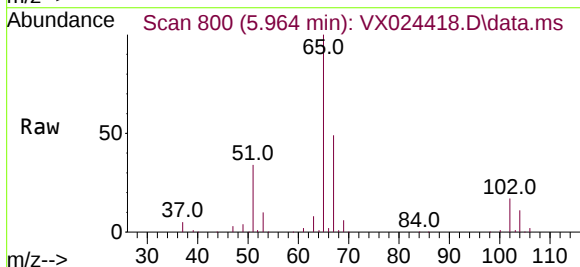
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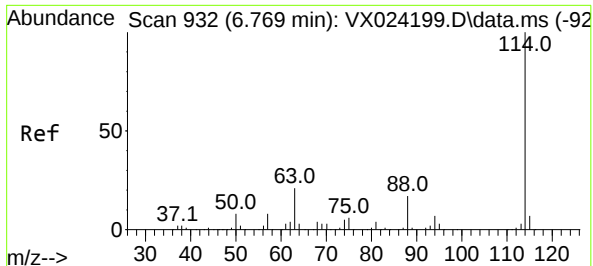
Tgt Ion: 56 Resp: 3017
Ion Ratio Lower Upper
56 100
69 155.1 25.3 37.9#
84 105.9 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 52.637 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024418.D
Acq: 22 Sep 2021 04:59

Tgt Ion: 65 Resp: 99701
Ion Ratio Lower Upper
65 100
67 50.7 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: VX024418.D

Acq: 22 Sep 2021 04:59

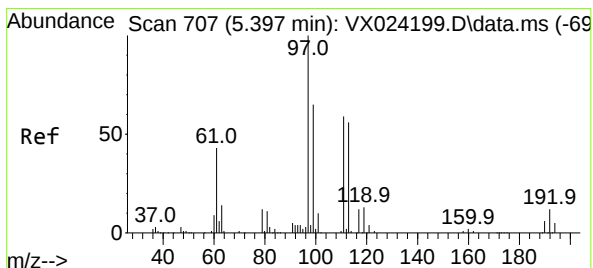
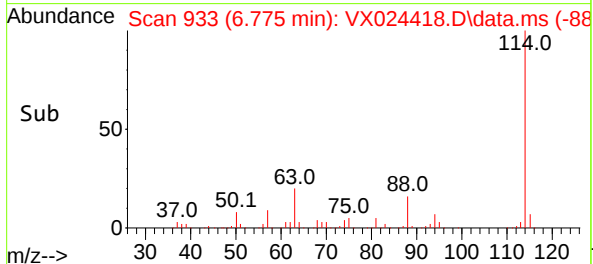
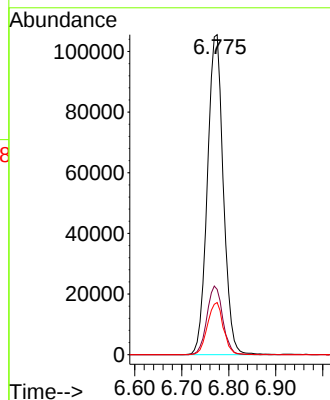
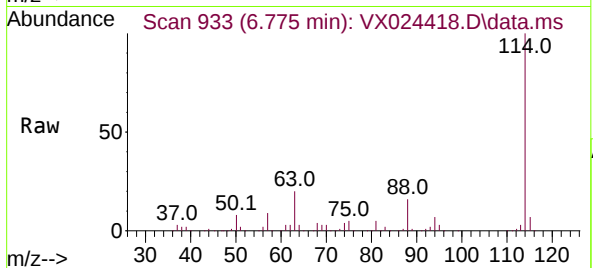
Tgt Ion:114 Resp: 248003

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 16.3 0.0 32.8



#35

Dibromofluoromethane

Concen: 46.389 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024418.D

Acq: 22 Sep 2021 04:59

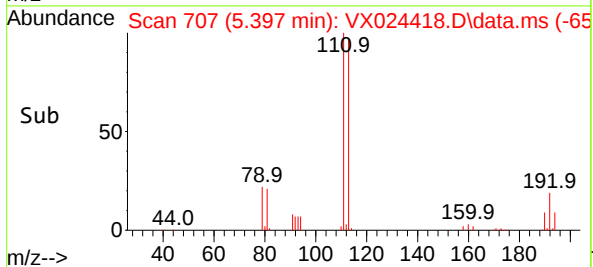
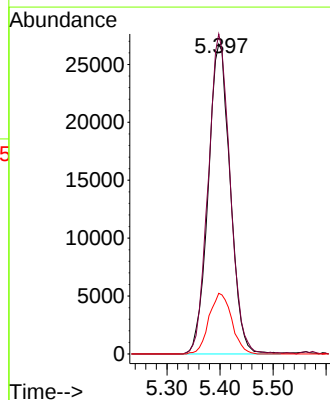
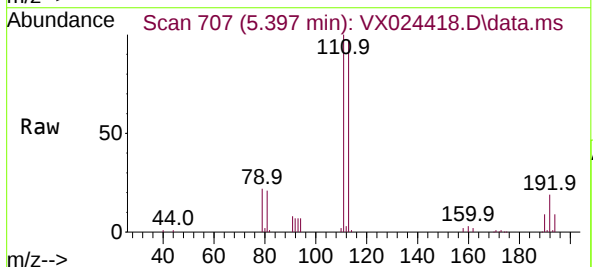
Tgt Ion:113 Resp: 77155

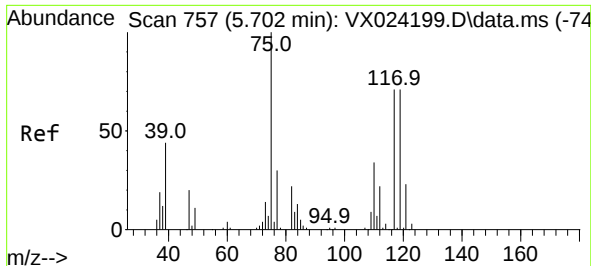
Ion Ratio Lower Upper

113 100

111 102.6 81.9 122.9

192 20.2 16.7 25.1

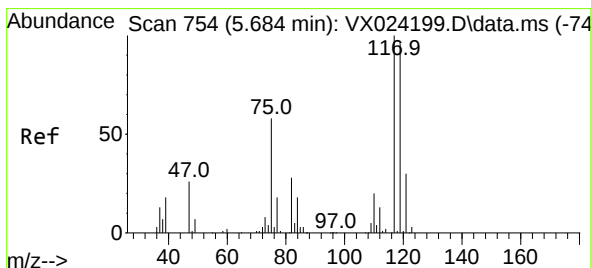
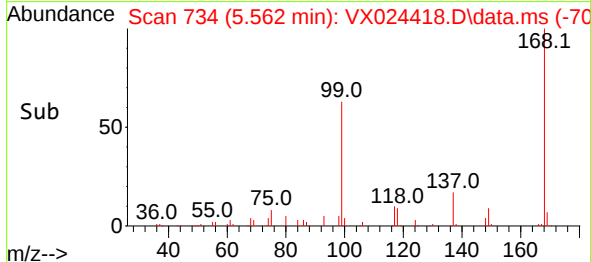
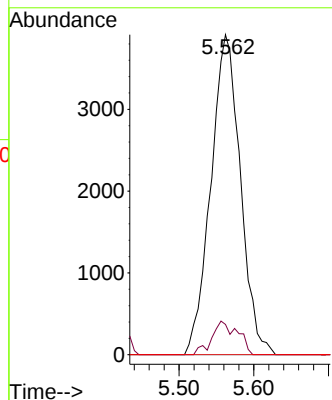
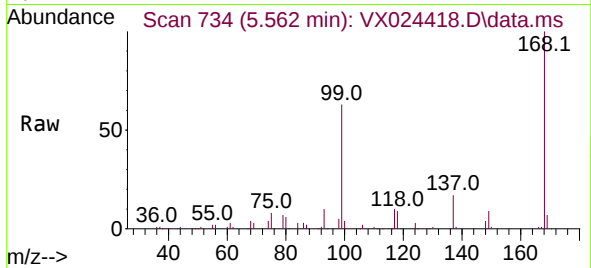




#36
1,1-Dichloropropene
Concen: 4.720 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024418.D
Acq: 22 Sep 2021 04:59

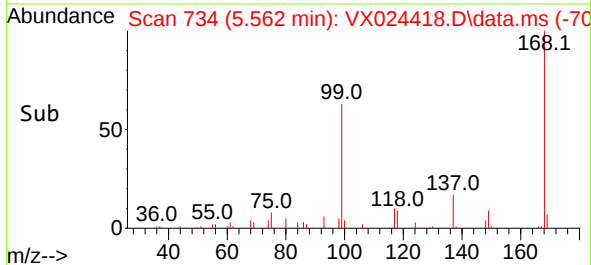
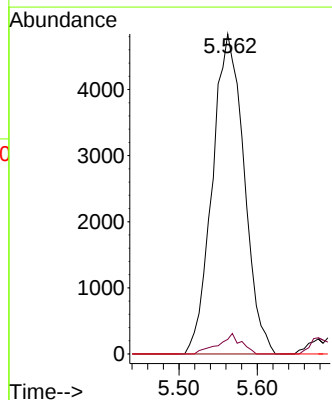
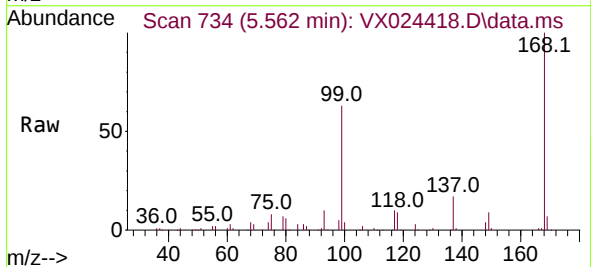
Instrument :
MSVOA_N
ClientSampleId :
RE103D3-20210920

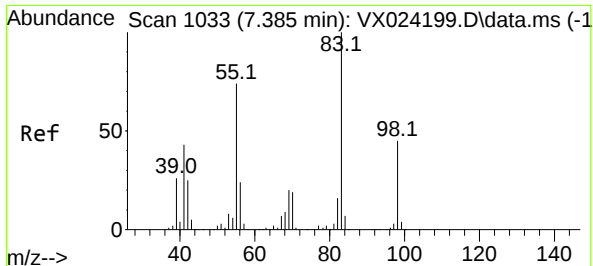
Tgt Ion: 75 Resp: 10762
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.307 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX024418.D
Acq: 22 Sep 2021 04:59

Tgt Ion: 117 Resp: 13619
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.2#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 4.200 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX024418.D

Acq: 22 Sep 2021 04:59

Tgt Ion: 83 Resp: 11433

Ion Ratio Lower Upper

83 100

55 0.0 58.9 88.3#

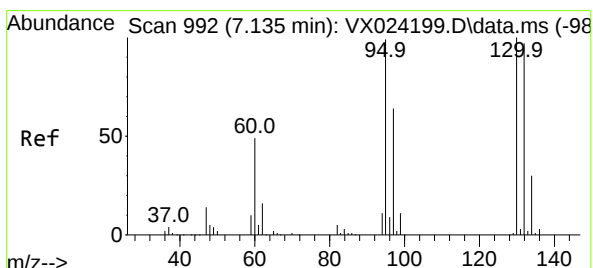
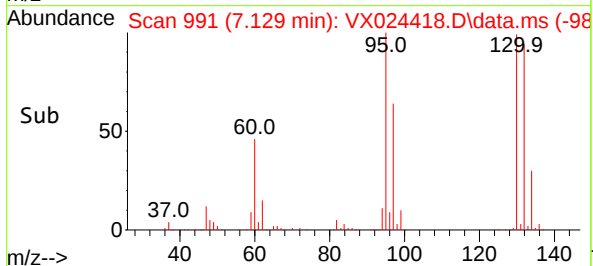
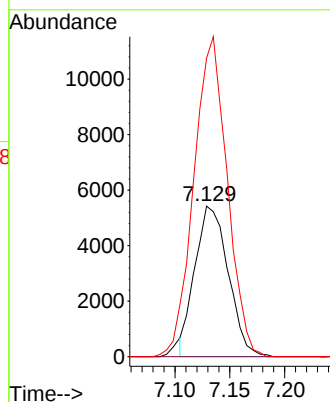
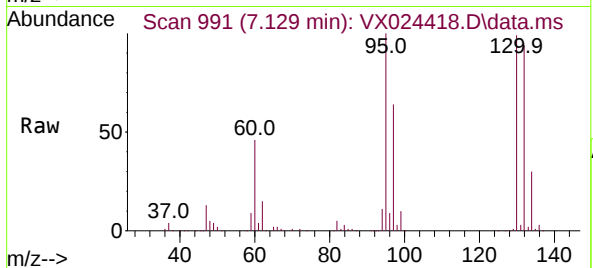
98 198.3 38.1 57.1#

Instrument :

MSVOA_N

ClientSampleId :

RE103D3-20210920



#44

Trichloroethene

Concen: 514.540 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.000 min

Lab File: VX024418.D

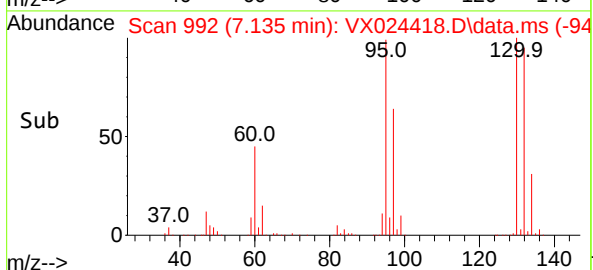
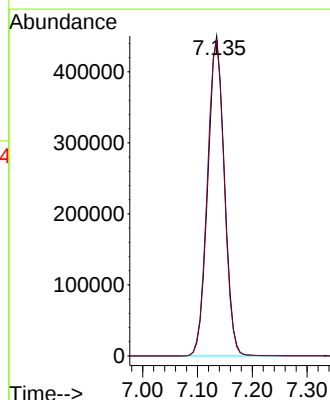
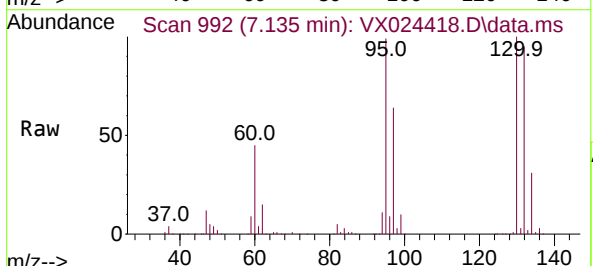
Acq: 22 Sep 2021 04:59

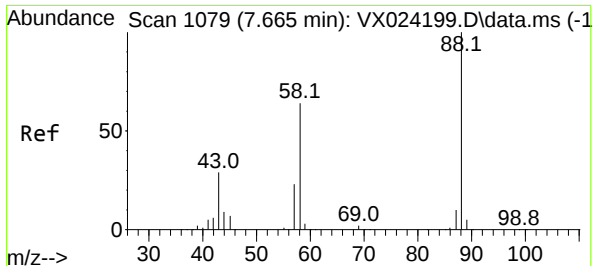
Tgt Ion:130 Resp: 945447

Ion Ratio Lower Upper

130 100

95 98.7 0.0 198.0





#49

1,4-Dioxane

Concen: 1.878 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. 0.006 min

Lab File: VX024418.D

Acq: 22 Sep 2021 04:59

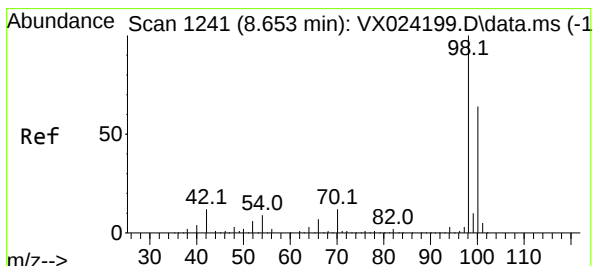
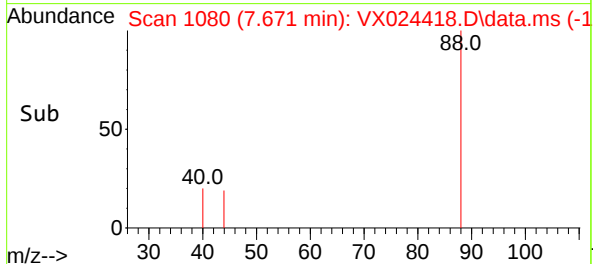
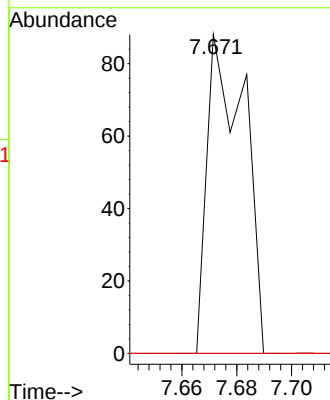
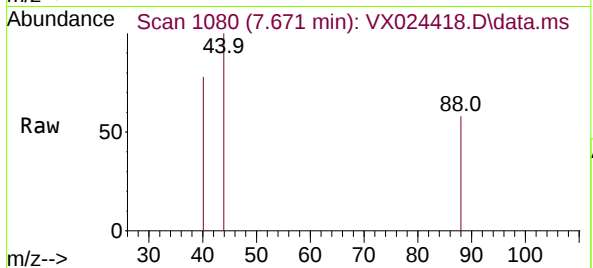
Tgt Ion:	88	Resp:	83
Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.2	34.8#
58	0.0	55.0	82.4#

Instrument :

MSVOA_N

ClientSampleId :

RE103D3-20210920



#50

Toluene-d8

Concen: 51.405 ug/l

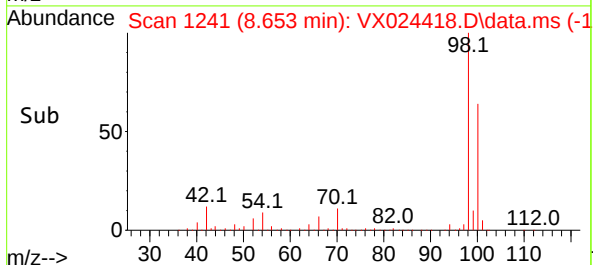
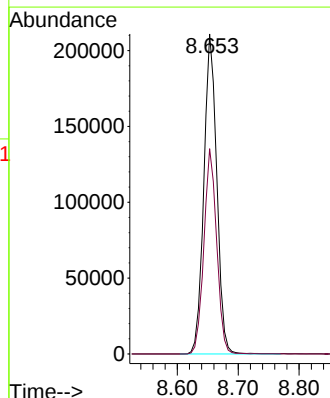
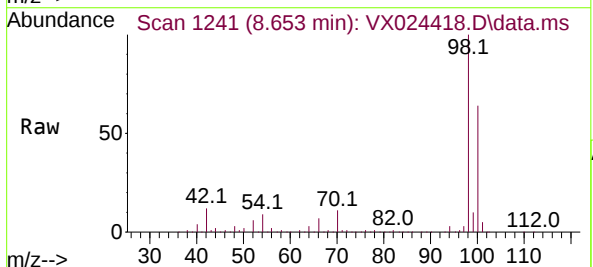
RT: 8.653 min Scan# 1241

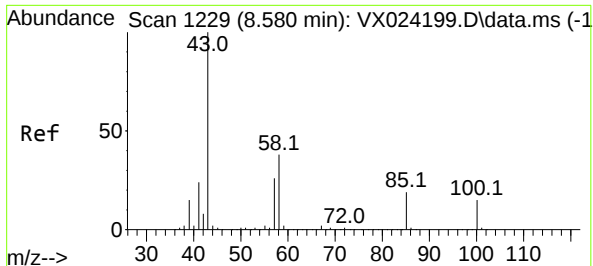
Delta R.T. -0.000 min

Lab File: VX024418.D

Acq: 22 Sep 2021 04:59

Tgt Ion:	98	Resp:	311462
Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.9	77.9

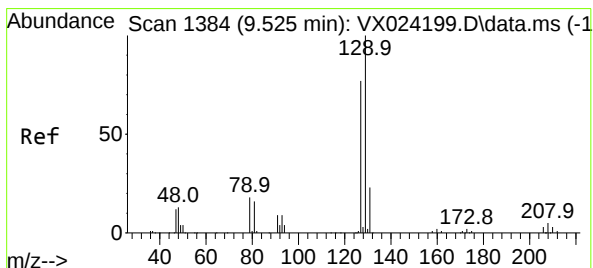
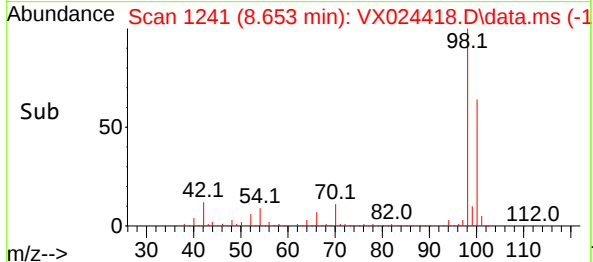
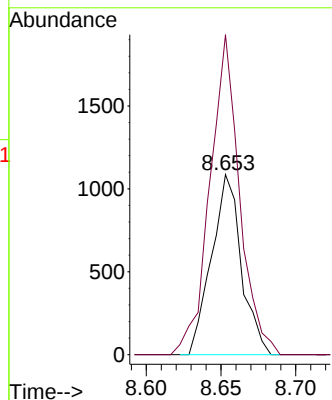
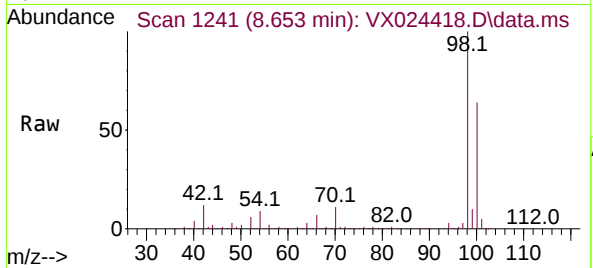




#51
4-Methyl-2-Pentanone
Concen: 0.560 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024418.D
Acq: 22 Sep 2021 04:59

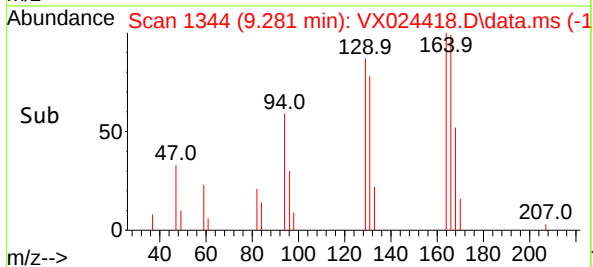
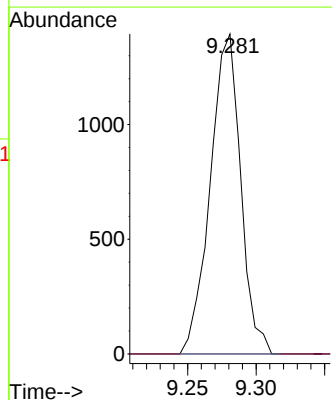
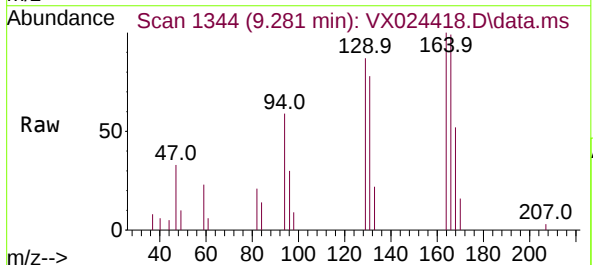
Instrument :
MSVOA_N
ClientSampleId :
RE103D3-20210920

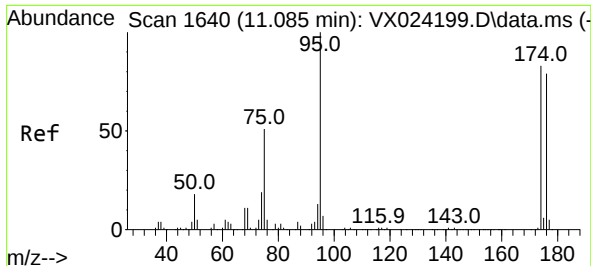
Tgt Ion: 43 Resp: 1508
Ion Ratio Lower Upper
43 100
58 176.4 35.4 53.0#



#60
Dibromochloromethane
Concen: 2.730 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX024418.D
Acq: 22 Sep 2021 04:59

Tgt Ion: 129 Resp: 2153
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

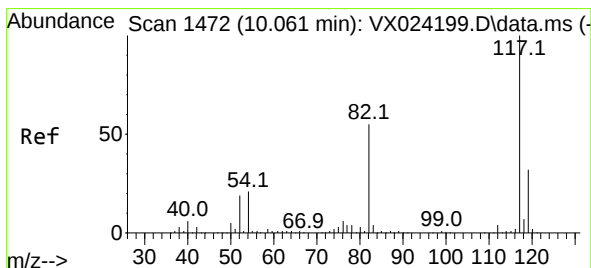
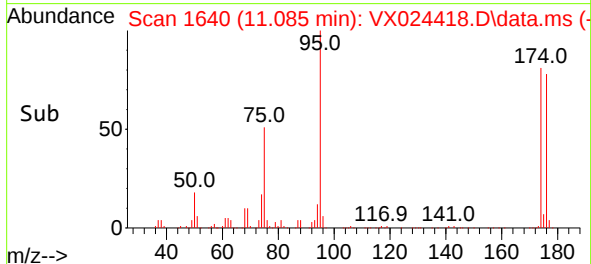
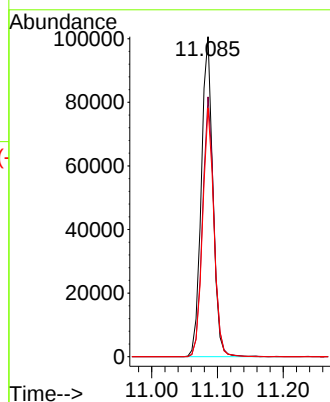
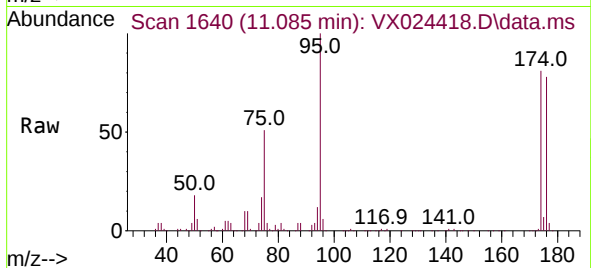




#62
4-Bromofluorobenzene
Concen: 52.080 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024418.D
Acq: 22 Sep 2021 04:59

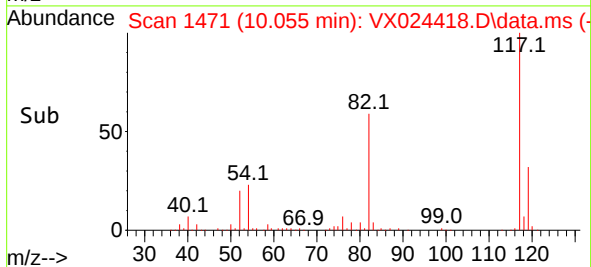
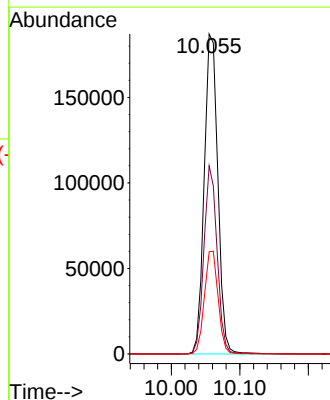
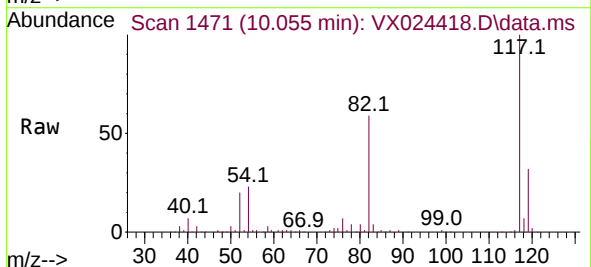
Instrument :
MSVOA_N
ClientSampleId :
RE103D3-20210920

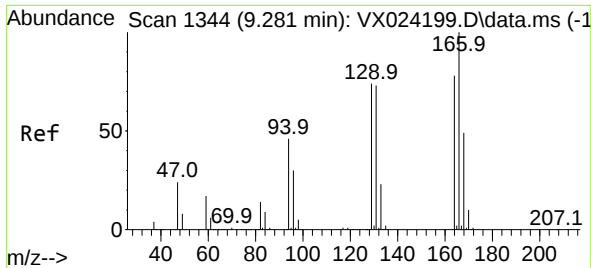
Tgt Ion: 95 Resp: 122802
Ion Ratio Lower Upper
95 100
174 80.1 0.0 154.6
176 76.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024418.D
Acq: 22 Sep 2021 04:59

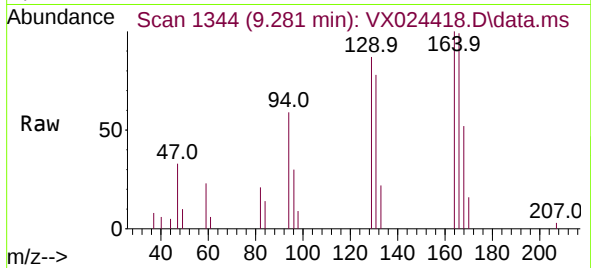
Tgt Ion: 117 Resp: 259893
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.2
119 32.0 26.6 39.8



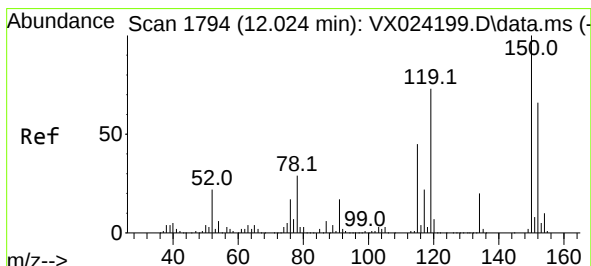
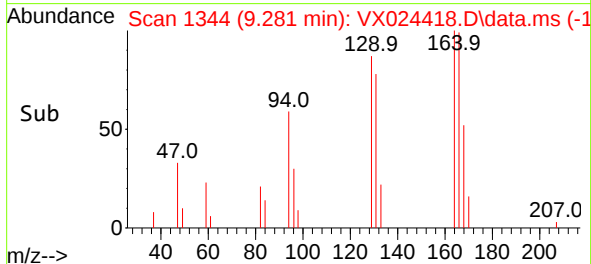
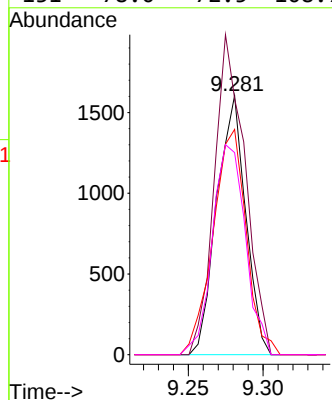


#64
Tetrachloroethene
Concen: 1.071 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.000 min
Lab File: VX024418.D
Acq: 22 Sep 2021 04:59

Instrument :
MSVOA_N
ClientSampleId :
RE103D3-20210920

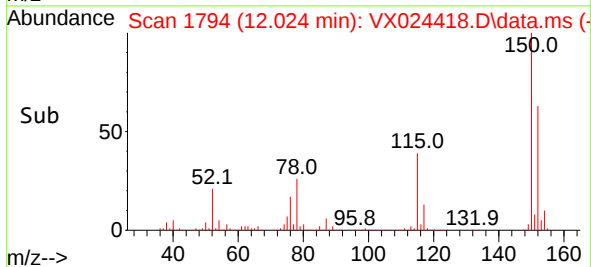
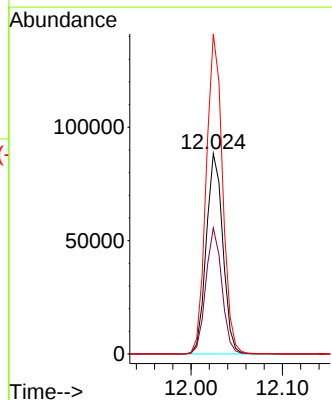
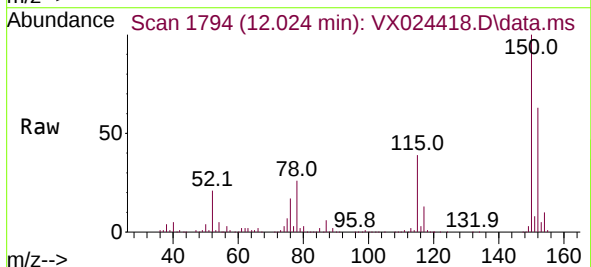


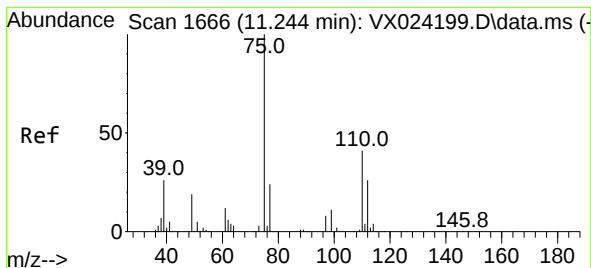
Tgt Ion:164 Resp: 2156
Ion Ratio Lower Upper
164 100
166 98.8 103.4 155.2#
129 86.9 70.8 106.2
131 78.0 72.5 108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024418.D
Acq: 22 Sep 2021 04:59

Tgt Ion:152 Resp: 110722
Ion Ratio Lower Upper
152 100
115 61.0 41.1 123.3
150 157.6 0.0 349.0

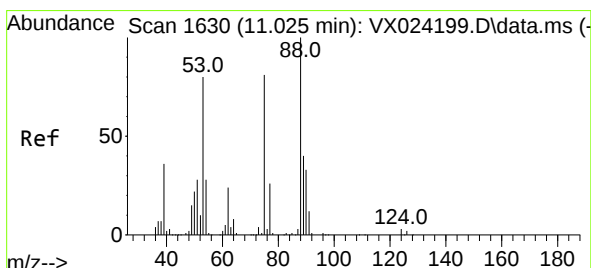
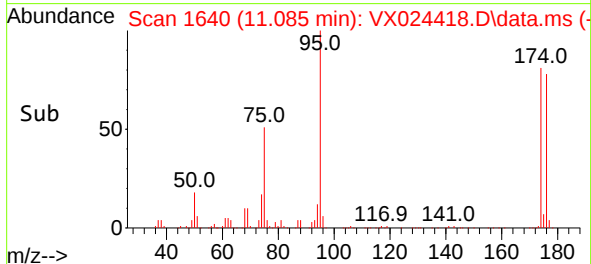
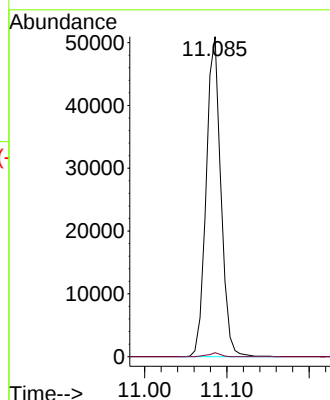
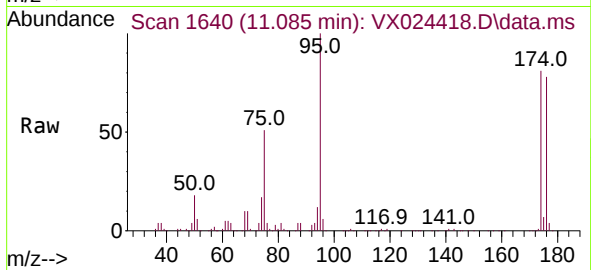




#76
1,2,3-Trichloropropane
Concen: 24.784 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024418.D
Acq: 22 Sep 2021 04:59

Instrument :
MSVOA_N
ClientSampleId :
RE103D3-20210920

Tgt Ion: 75 Resp: 63099
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.890 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024418.D
Acq: 22 Sep 2021 04:59

Tgt Ion: 75 Resp: 63099
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

