

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082522\
 Data File : VX030796.D
 Acq On : 26 Aug 2022 01:50
 Operator : JC/MD
 Sample : N4245-12RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE117D1-20220816

Quant Time: Aug 26 02:45:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 02:03:28 2022
 Response via : Initial Calibration

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

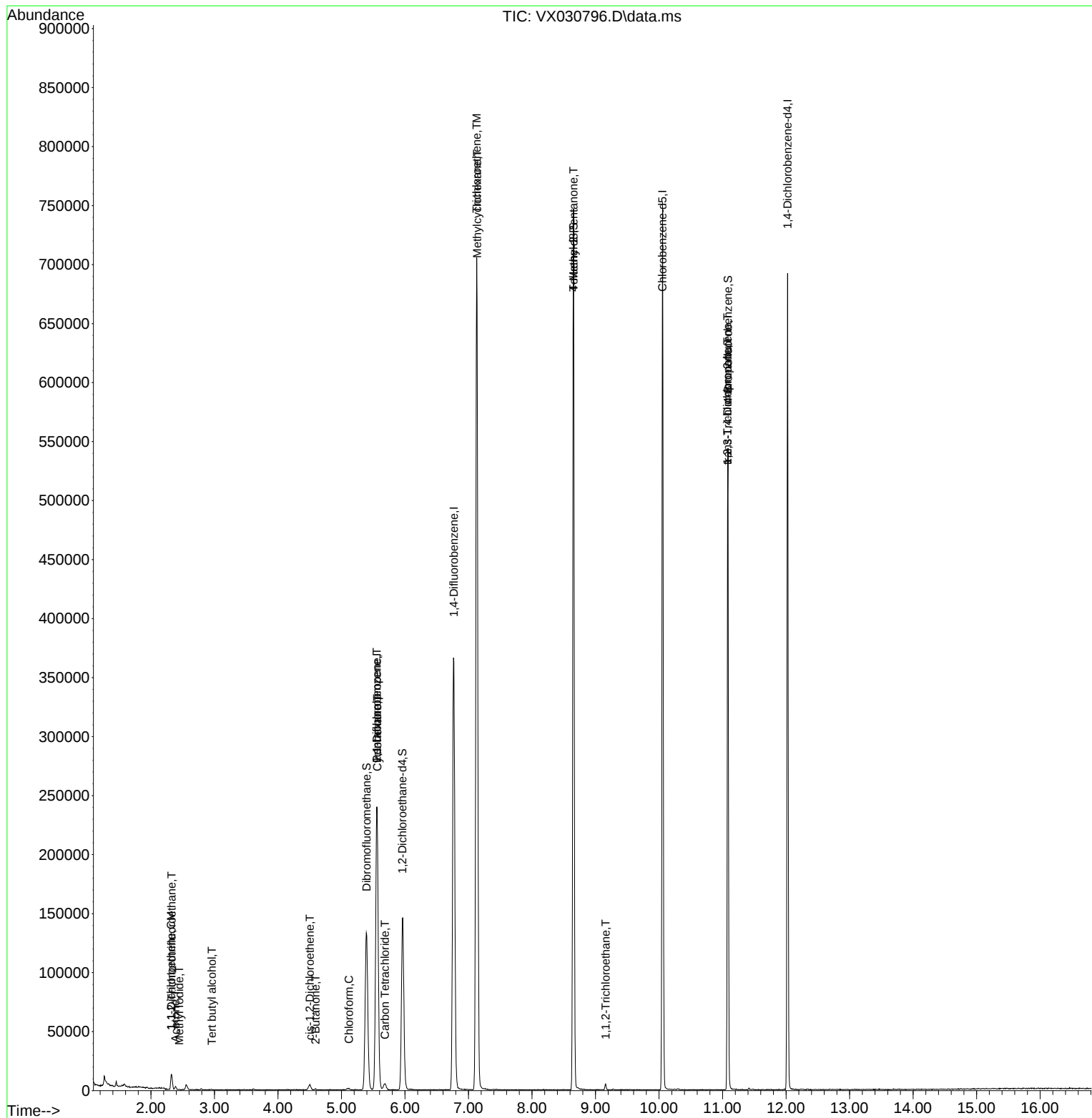
Internal Standards						
1) Pentafluorobenzene	5.556	168	233247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	395521	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	339229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	143142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	139692	50.915	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.840%	
35) Dibromofluoromethane	5.397	113	121793	50.104	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.200%	
50) Toluene-d8	8.653	98	444575	52.485	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.960%	
62) 4-Bromofluorobenzene	11.085	95	144235	45.737	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.480%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	525	Below Cal	#	42
4) Vinyl Chloride	1.496	62	20	Below Cal	#	43
6) Chloroethane	1.673	64	191	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	2.325	101	2559	1.127	ug/l	87
10) Methyl Iodide	2.447	142	52	4.055	ug/l #	45
11) Tert butyl alcohol	2.959	59	181	0.304	ug/l #	74
12) 1,1-Dichloroethene	2.319	96	3034	1.435	ug/l #	85
16) Acetone	2.386	43	2976	2.347	ug/l	94
17) Carbon Disulfide	2.520	76	264	Below Cal	#	74
20) Methylene Chloride	2.794	84	472	Below Cal	#	84
25) 2-Butanone	4.593	43	674	0.330	ug/l #	88
27) cis-1,2-Dichloroethene	4.501	96	3128	1.115	ug/l	91
30) Chloroform	5.117	83	1626	0.347	ug/l	99
31) Cyclohexane	5.562	56	4300	1.226	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	17392	5.254	ug/l #	49
38) Carbon Tetrachloride	5.684	117	4805	1.376	ug/l	87
39) Methylcyclohexane	7.135	83	3002	0.758	ug/l #	1
44) Trichloroethene	7.129	130	284555	99.456	ug/l	99
51) 4-Methyl-2-Pentanone	8.653	43	1903	0.478	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	1624	0.591	ug/l #	80
76) 1,2,3-Trichloropropane	11.079	75	70701	22.545	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	70701	72.739	ug/l #	12

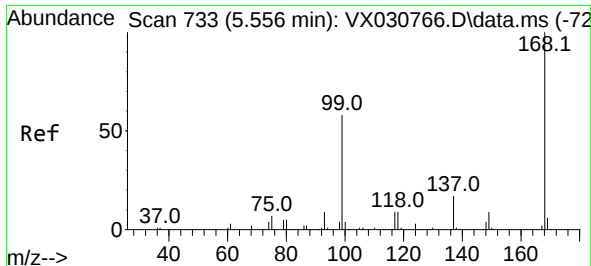
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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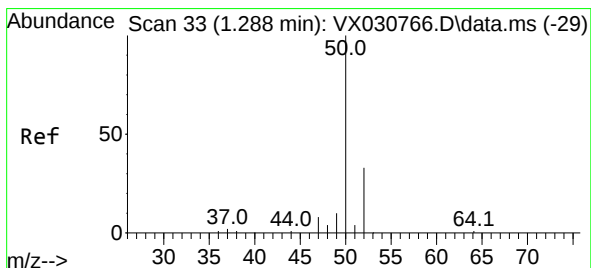
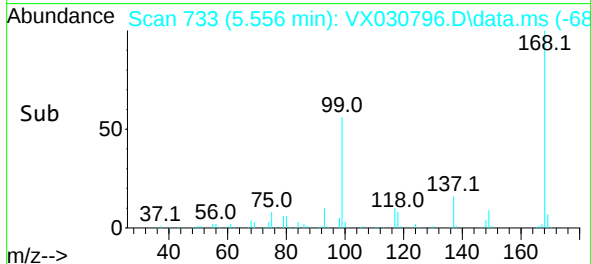
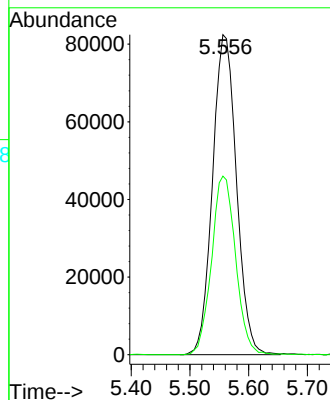
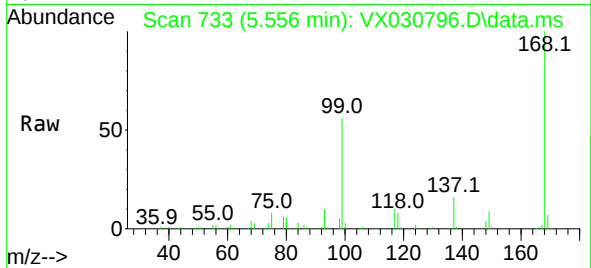




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030796.D
Acq: 26 Aug 2022 01:50

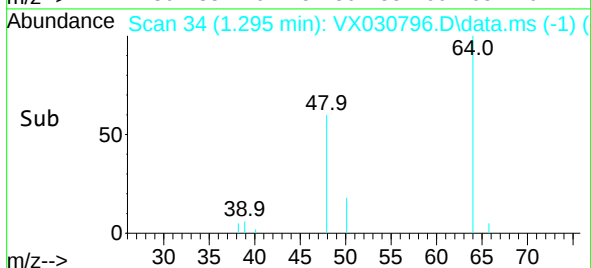
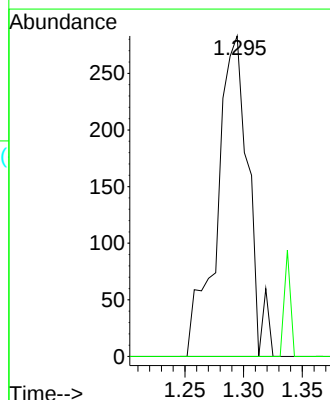
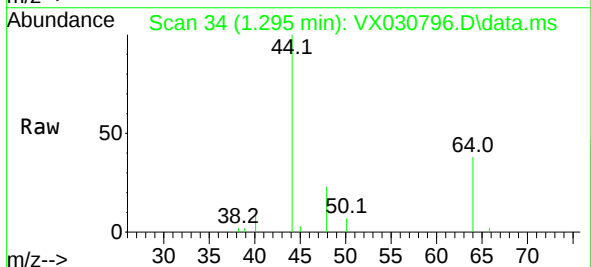
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20220816

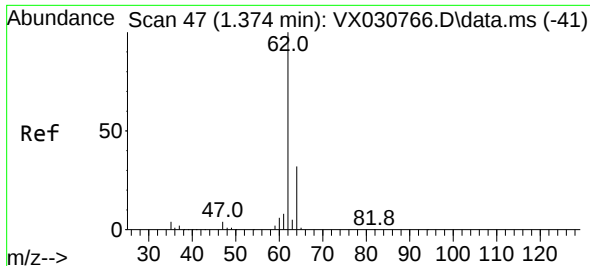
Tgt Ion:168 Resp: 233247
Ion Ratio Lower Upper
168 100
99 55.8 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX030796.D
Acq: 26 Aug 2022 01:50

Tgt Ion: 50 Resp: 525
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

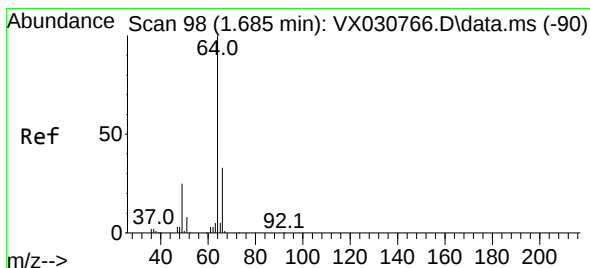
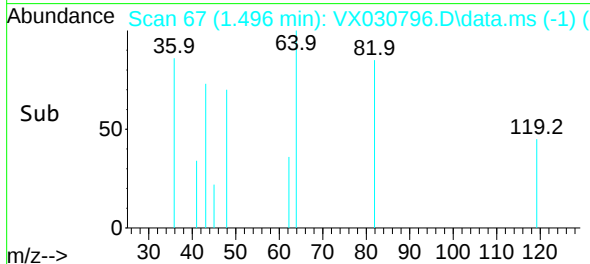
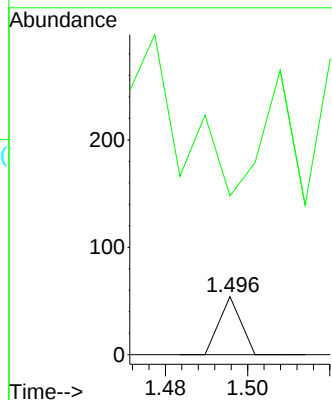
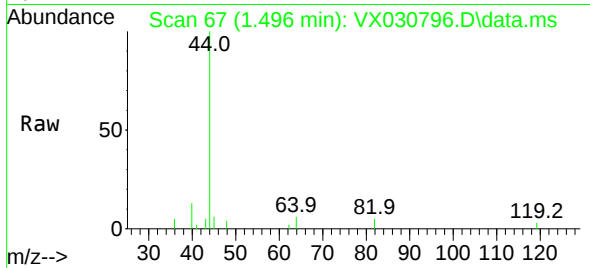




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 1.496 min Scan# 61
 Delta R.T. 0.122 min
 Lab File: VX030796.D
 Acq: 26 Aug 2022 01:50

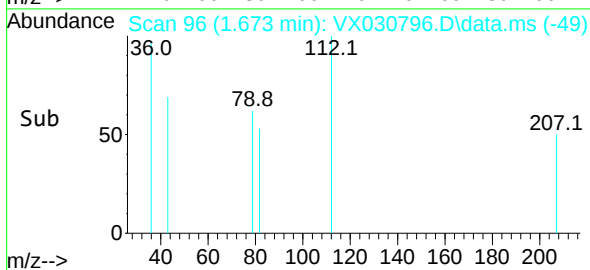
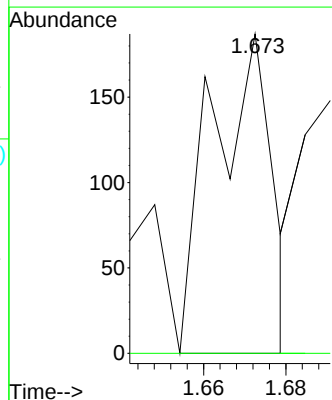
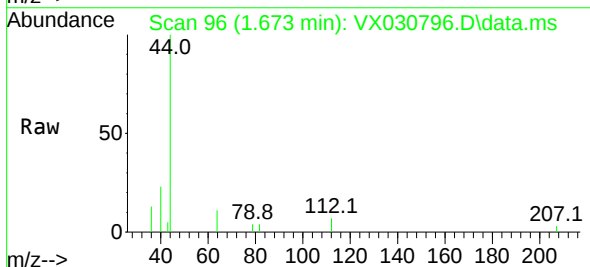
Instrument :
 MSVOA_X
 ClientSampleId :
 RE117D1-20220816

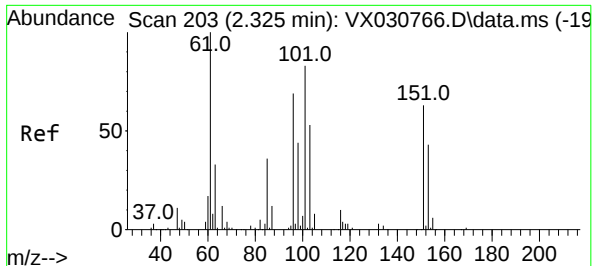
Tgt Ion: 62 Resp: 20
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.2 37.8#



#6
 Chloroethane
 Concen: Below Cal
 RT: 1.673 min Scan# 96
 Delta R.T. -0.012 min
 Lab File: VX030796.D
 Acq: 26 Aug 2022 01:50

Tgt Ion: 64 Resp: 191
 Ion Ratio Lower Upper
 64 100
 66 0.0 27.2 40.8#

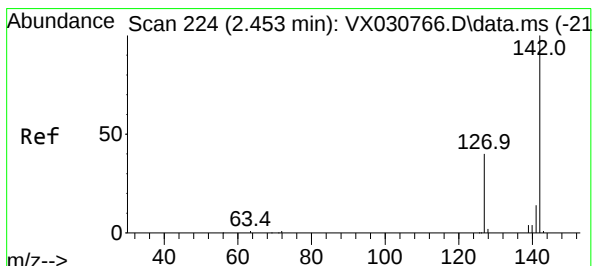
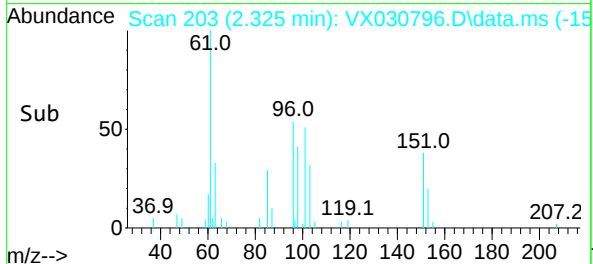
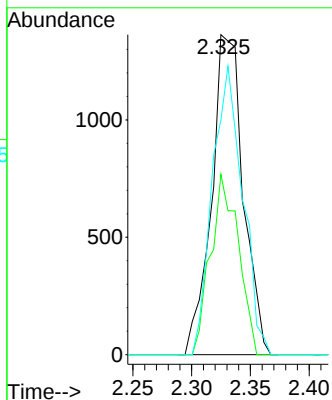
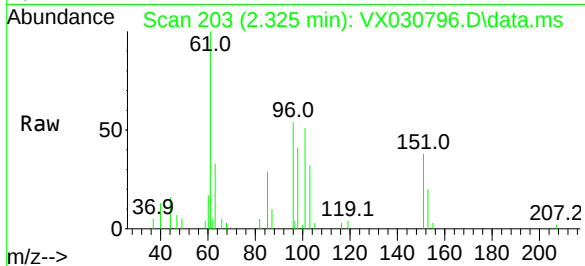




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.127 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX030796.D
Acq: 26 Aug 2022 01:50

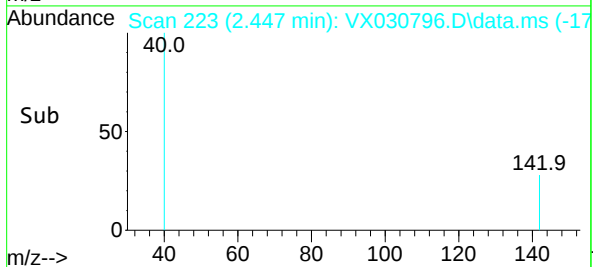
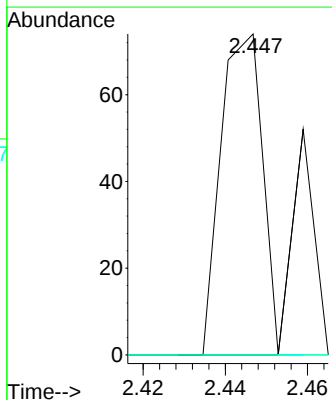
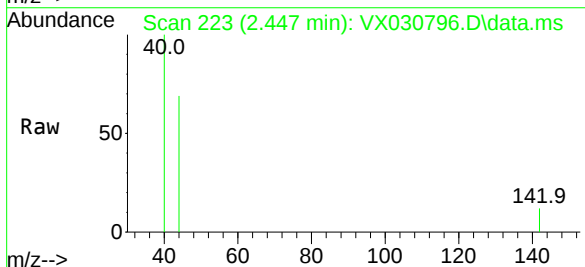
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20220816

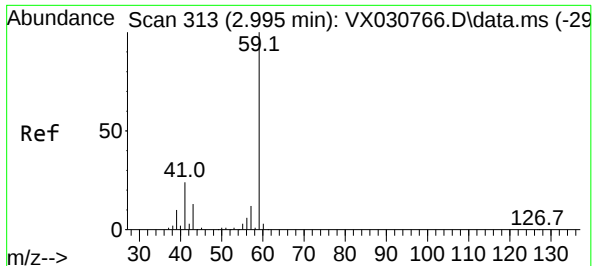
Tgt Ion:101 Resp: 2559
Ion Ratio Lower Upper
101 100
85 49.4 34.0 51.0
151 86.1 59.4 89.0



#10
Methyl Iodide
Concen: 4.055 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.006 min
Lab File: VX030796.D
Acq: 26 Aug 2022 01:50

Tgt Ion:142 Resp: 52
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 0.304 ug/l

RT: 2.959 min Scan# 307

Delta R.T. -0.037 min

Lab File: VX030796.D

Acq: 26 Aug 2022 01:50

Instrument :

MSVOA_X

ClientSampleId :

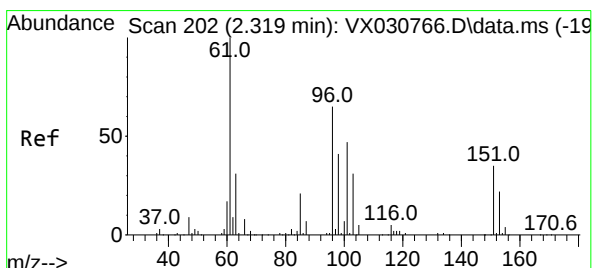
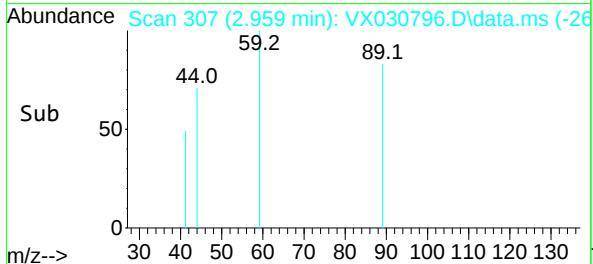
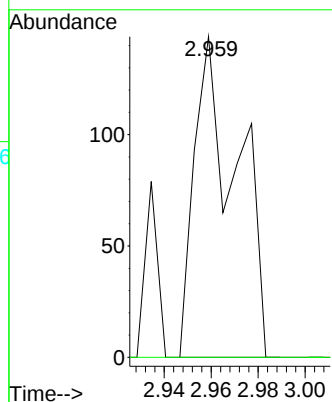
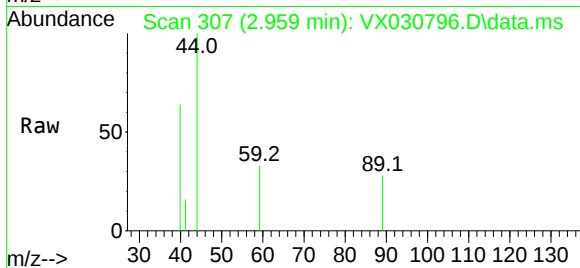
RE117D1-20220816

Tgt Ion: 59 Resp: 181

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#12

1,1-Dichloroethene

Concen: 1.435 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX030796.D

Acq: 26 Aug 2022 01:50

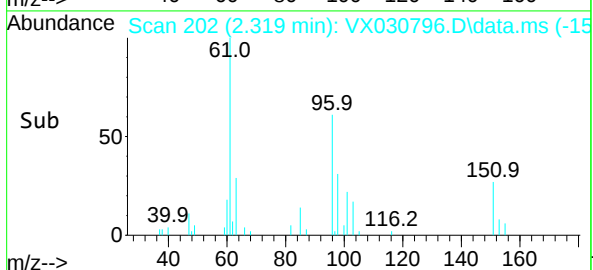
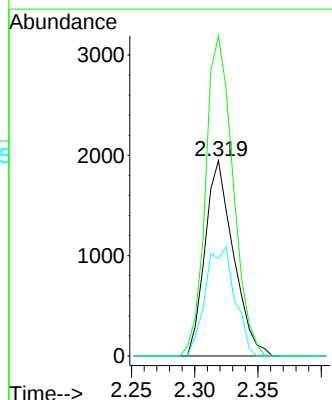
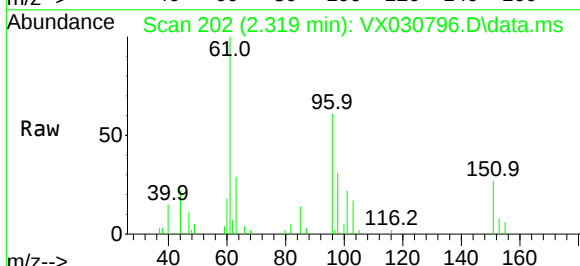
Tgt Ion: 96 Resp: 3034

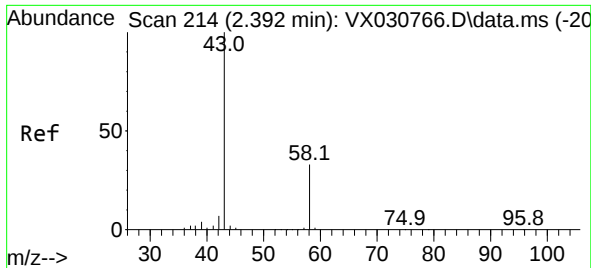
Ion Ratio Lower Upper

96 100

61 163.8 117.4 176.0

98 50.0 52.2 78.4#

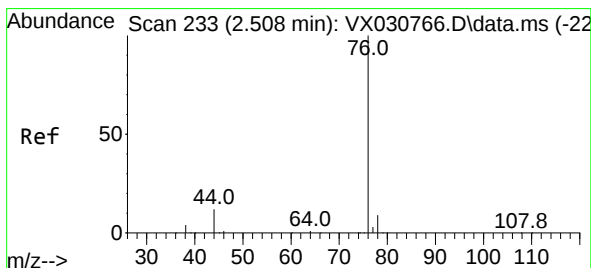
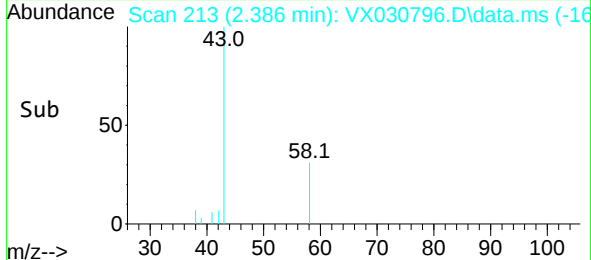
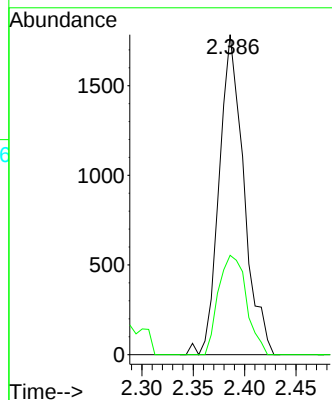
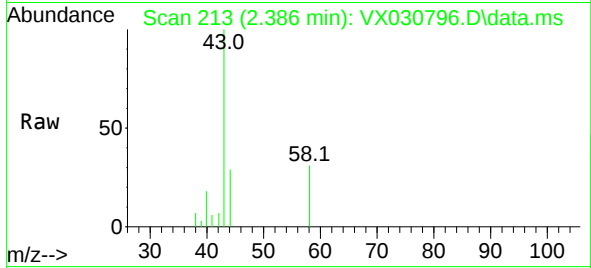




#16
Acetone
Concen: 2.347 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX030796.D
Acq: 26 Aug 2022 01:50

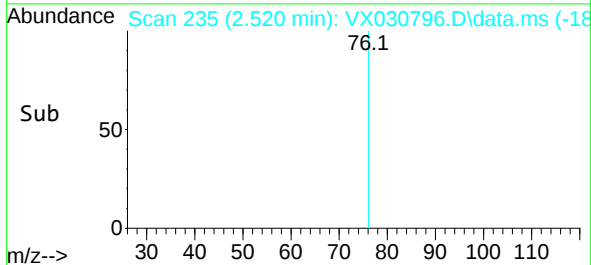
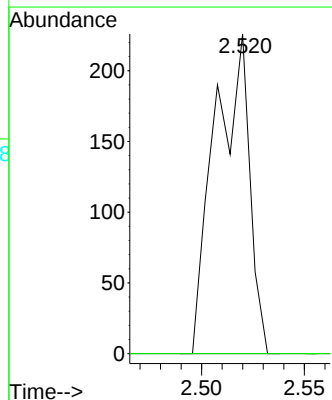
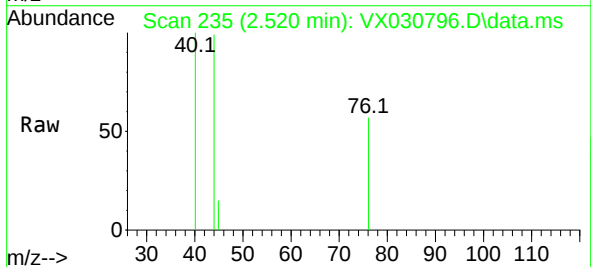
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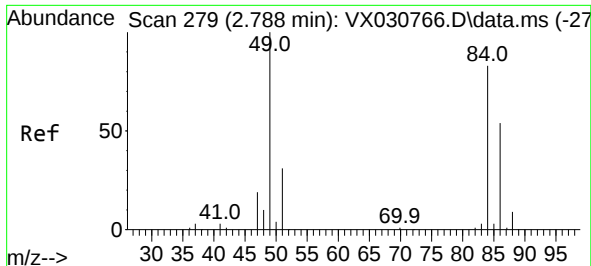
Tgt Ion: 43 Resp: 2976
Ion Ratio Lower Upper
43 100
58 31.0 27.7 41.5



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.520 min Scan# 235
Delta R.T. 0.012 min
Lab File: VX030796.D
Acq: 26 Aug 2022 01:50

Tgt Ion: 76 Resp: 264
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#

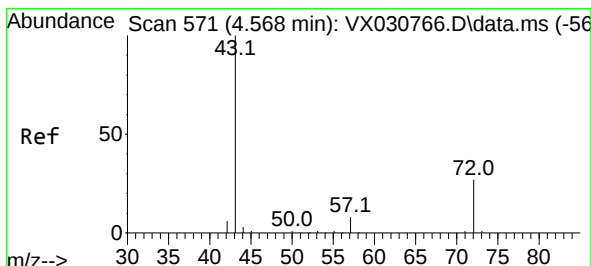
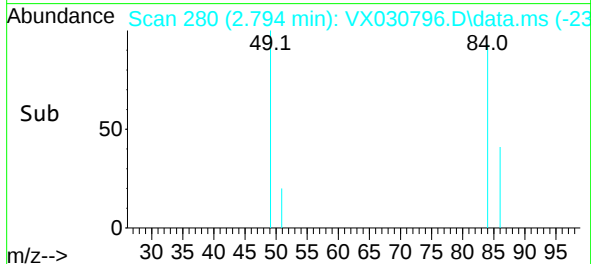
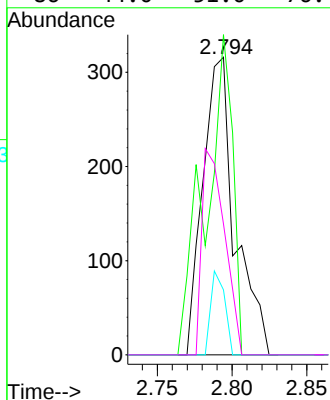
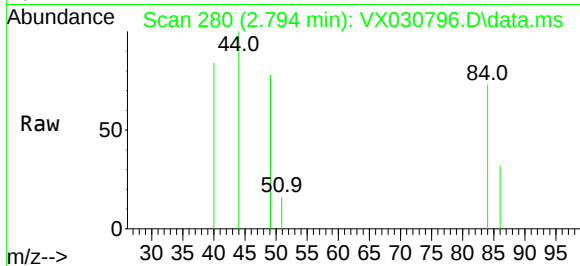




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030796.D
Acq: 26 Aug 2022 01:50

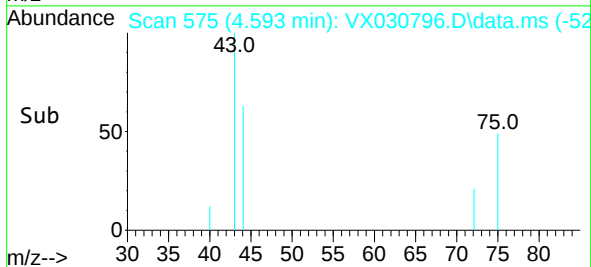
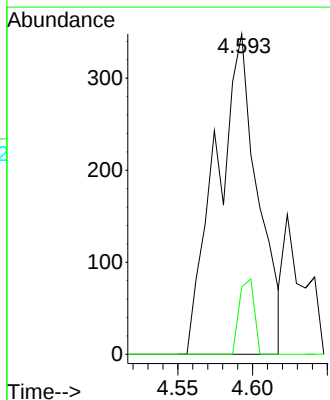
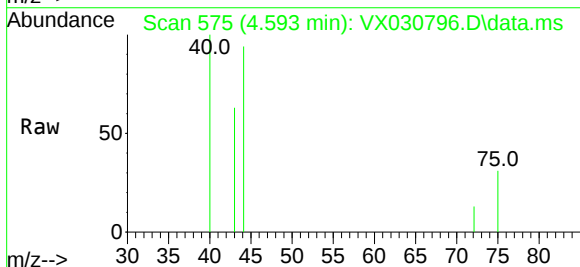
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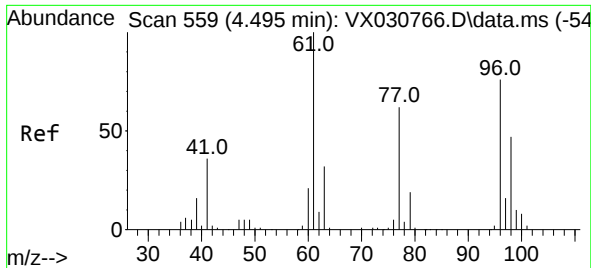
Tgt Ion:	84	Resp:	472
Ion	Ratio	Lower	Upper
84	100		
49	107.6	93.8	140.6
51	21.8	29.4	44.0#
86	44.0	51.0	76.4#



#25
2-Butanone
Concen: 0.330 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.025 min
Lab File: VX030796.D
Acq: 26 Aug 2022 01:50

Tgt Ion:	43	Resp:	674
Ion	Ratio	Lower	Upper
43	100		
72	21.0	21.7	32.5#





#27

cis-1,2-Dichloroethene

Concen: 1.115 ug/l

RT: 4.501 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX030796.D

Acq: 26 Aug 2022 01:50

Instrument :

MSVOA_X

ClientSampleId :

RE117D1-20220816

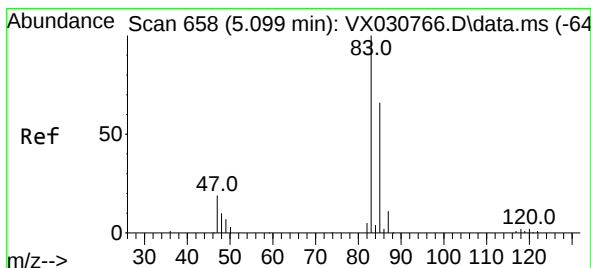
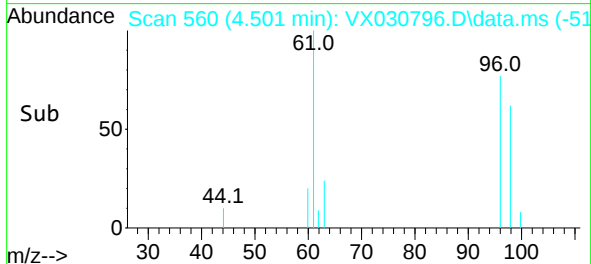
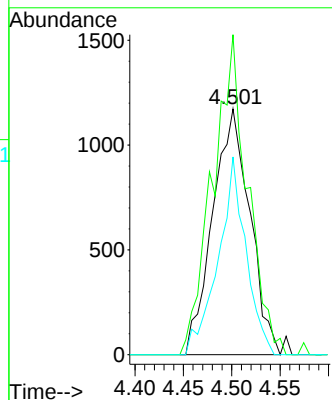
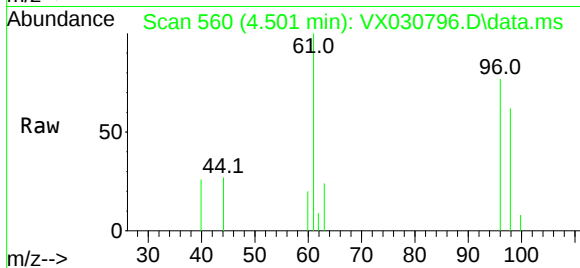
Tgt Ion: 96 Resp: 3128

Ion Ratio Lower Upper

96 100

61 122.6 0.0 270.0

98 60.2 0.0 127.8



#30

Chloroform

Concen: 0.347 ug/l

RT: 5.117 min Scan# 661

Delta R.T. 0.018 min

Lab File: VX030796.D

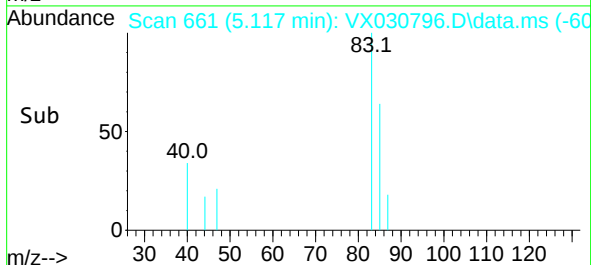
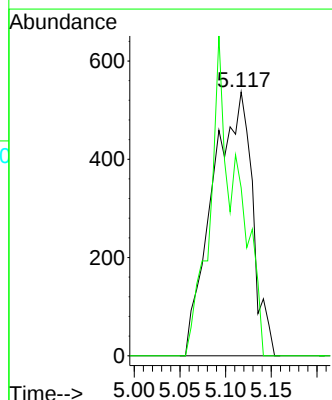
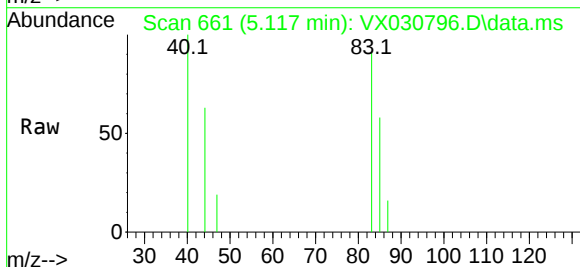
Acq: 26 Aug 2022 01:50

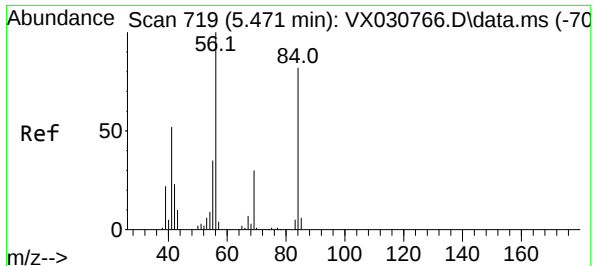
Tgt Ion: 83 Resp: 1626

Ion Ratio Lower Upper

83 100

85 63.7 51.5 77.3

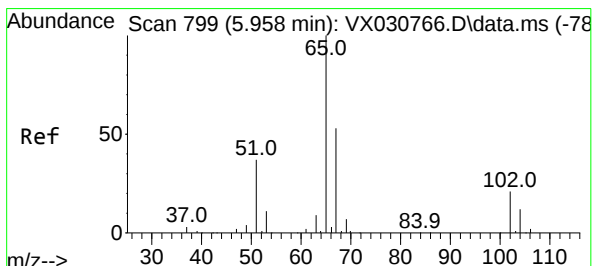
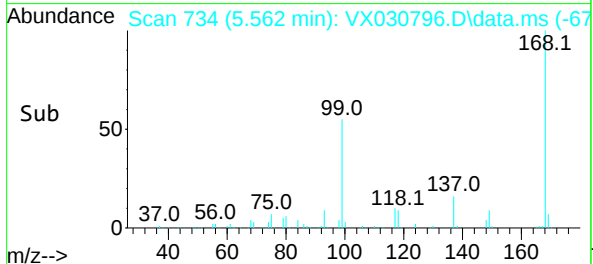
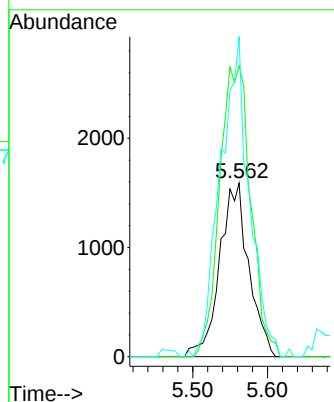
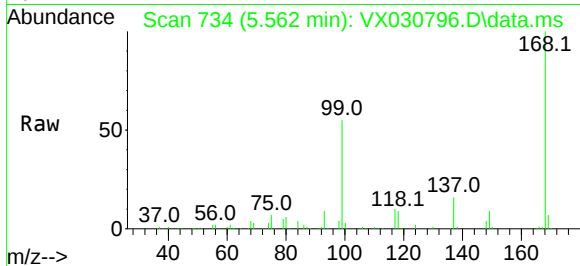




#31
Cyclohexane
Concen: 1.226 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX030796.D
Acq: 26 Aug 2022 01:50

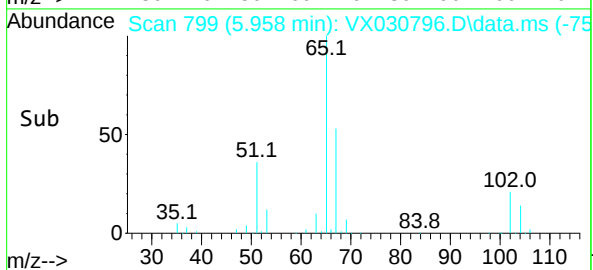
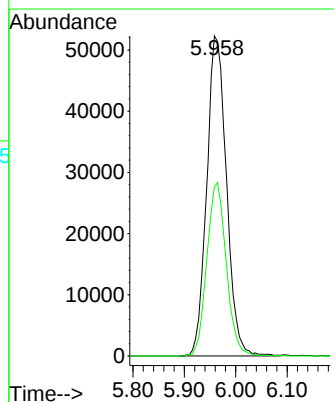
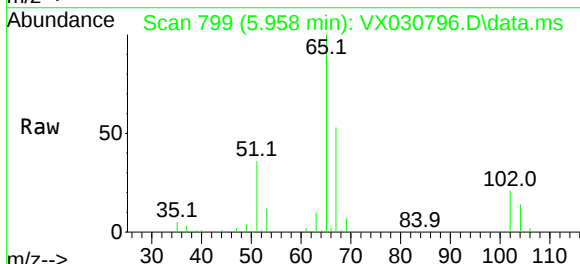
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20220816

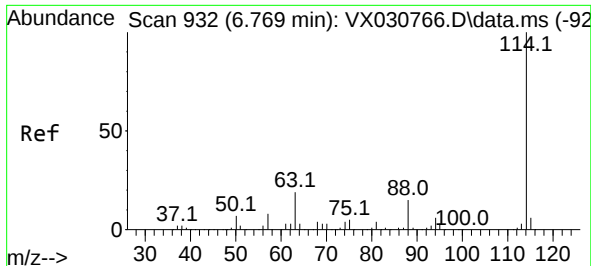
Tgt Ion: 56 Resp: 4300
Ion Ratio Lower Upper
56 100
69 167.6 25.4 38.0#
84 184.3 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 50.915 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX030796.D
Acq: 26 Aug 2022 01:50

Tgt Ion: 65 Resp: 139692
Ion Ratio Lower Upper
65 100
67 53.2 0.0 109.6

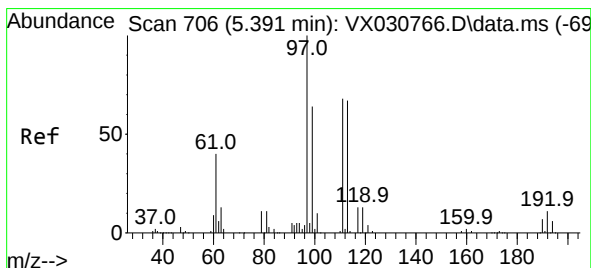
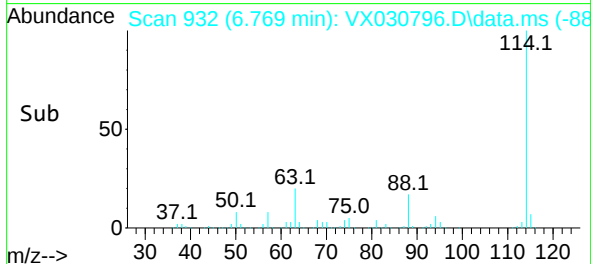
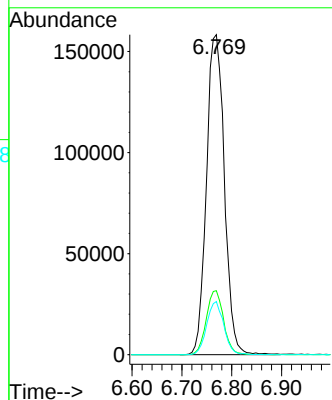
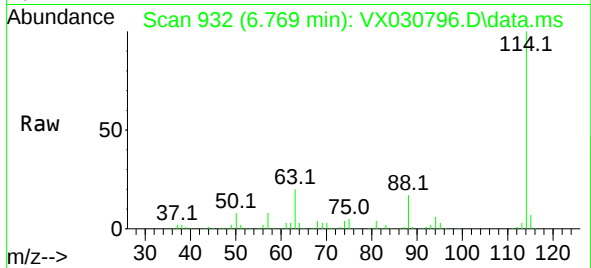




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX030796.D
Acq: 26 Aug 2022 01:50

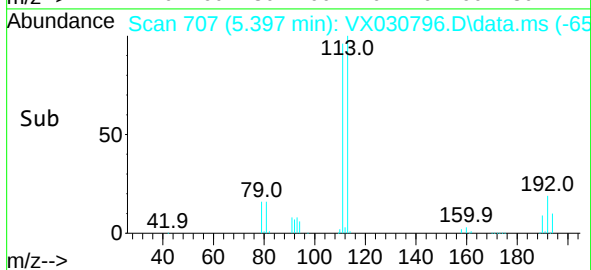
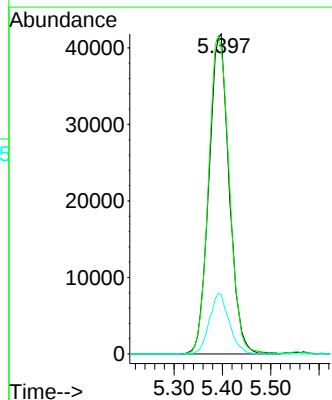
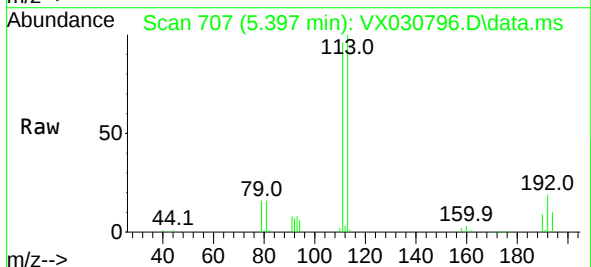
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20220816

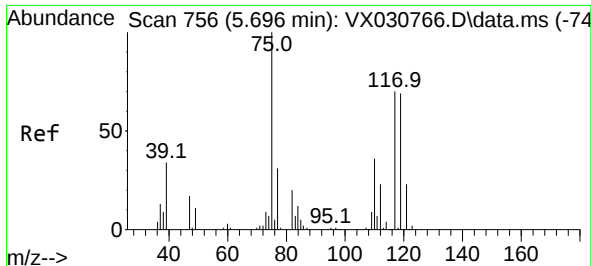
Tgt Ion:114 Resp: 395521
Ion Ratio Lower Upper
114 100
63 20.0 0.0 38.4
88 16.6 0.0 31.8



#35
Dibromofluoromethane
Concen: 50.104 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX030796.D
Acq: 26 Aug 2022 01:50

Tgt Ion:113 Resp: 121793
Ion Ratio Lower Upper
113 100
111 101.3 83.2 124.8
192 18.4 14.8 22.2

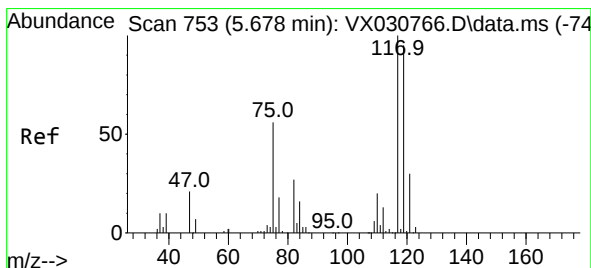
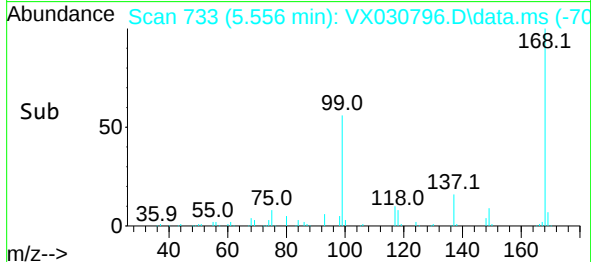
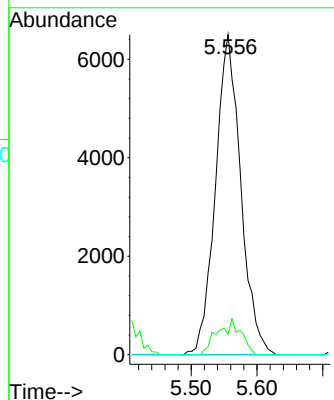
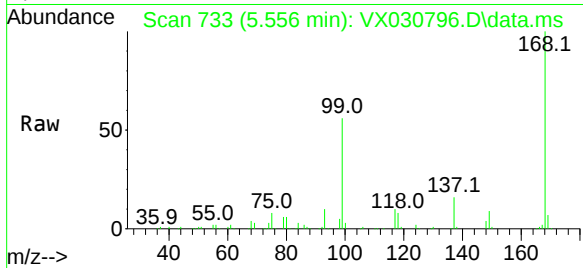




#36
1,1-Dichloropropene
Concen: 5.254 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX030796.D
Acq: 26 Aug 2022 01:50

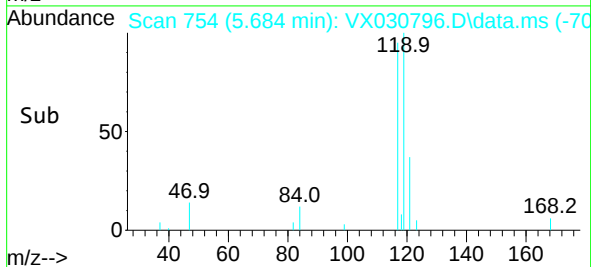
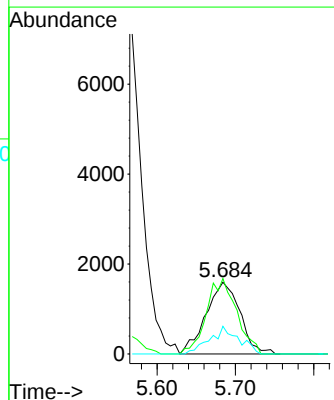
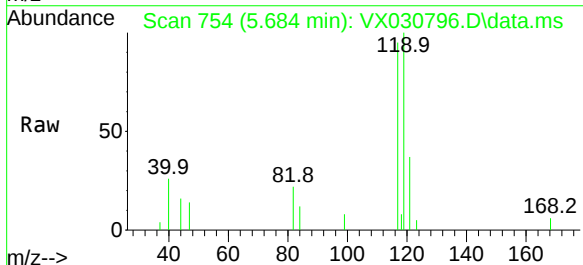
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20220816

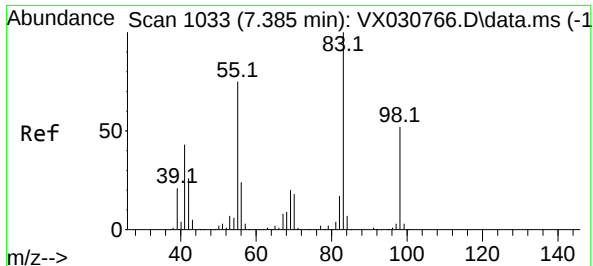
Tgt Ion: 75 Resp: 17392
Ion Ratio Lower Upper
75 100
110 10.4 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 1.376 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX030796.D
Acq: 26 Aug 2022 01:50

Tgt Ion: 117 Resp: 4805
Ion Ratio Lower Upper
117 100
119 105.2 74.1 111.1
121 38.7 25.8 38.8





#39

Methylcyclohexane

Concen: 0.758 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.250 min

Lab File: VX030796.D

Acq: 26 Aug 2022 01:50

Instrument :

MSVOA_X

ClientSampleId :

RE117D1-20220816

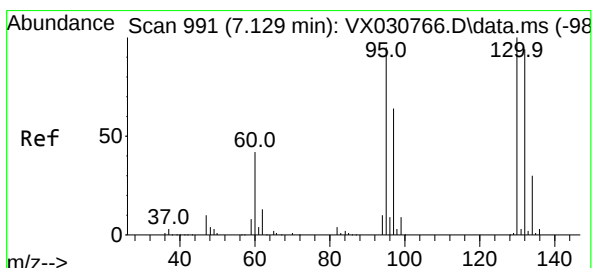
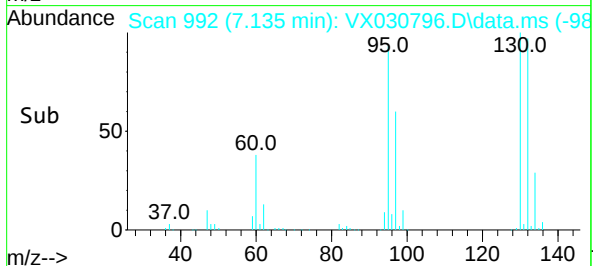
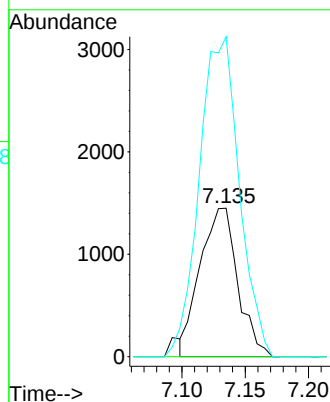
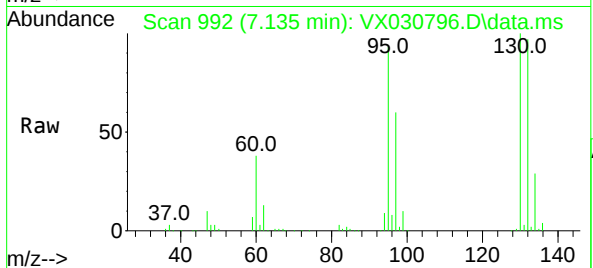
Tgt Ion: 83 Resp: 3002

Ion Ratio Lower Upper

83 100

55 0.0 57.7 86.5#

98 215.5 36.5 54.7#



#44

Trichloroethene

Concen: 99.456 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX030796.D

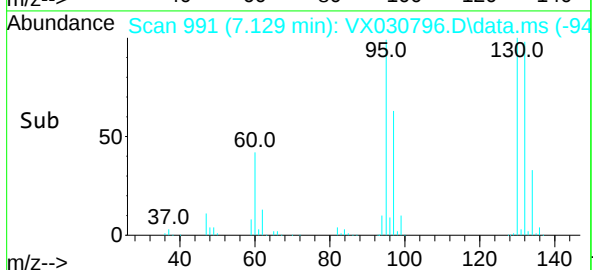
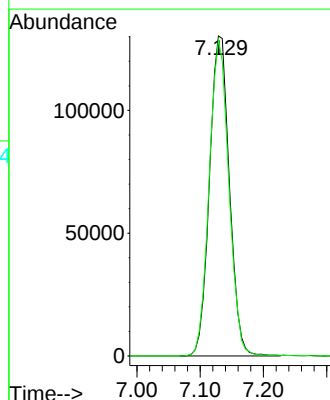
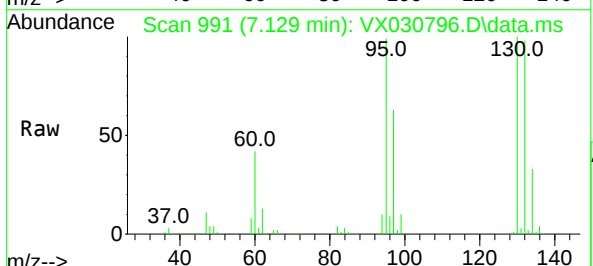
Acq: 26 Aug 2022 01:50

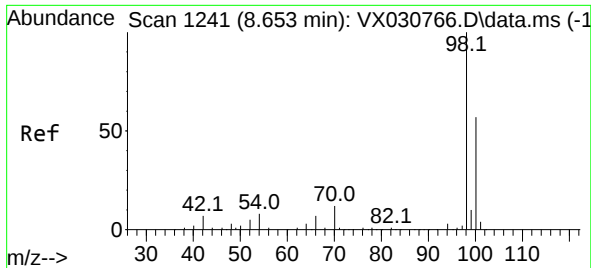
Tgt Ion:130 Resp: 284555

Ion Ratio Lower Upper

130 100

95 98.8 0.0 194.8

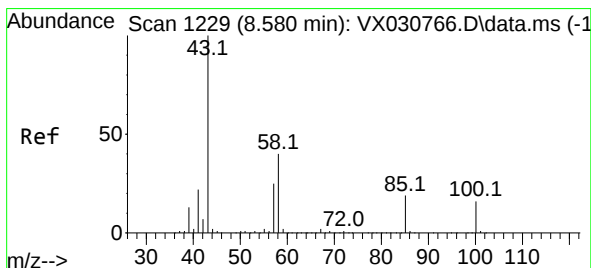
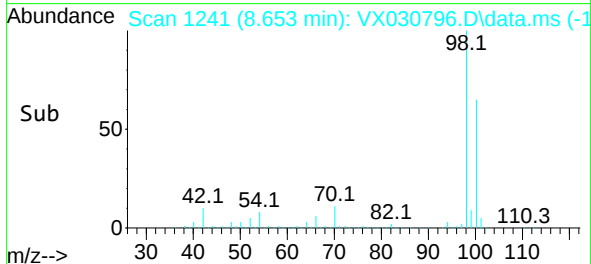
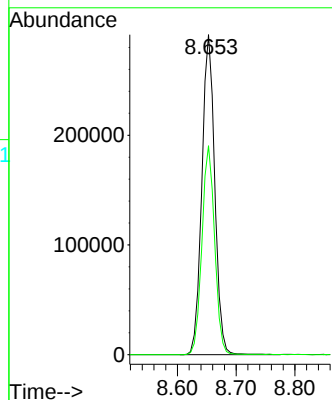
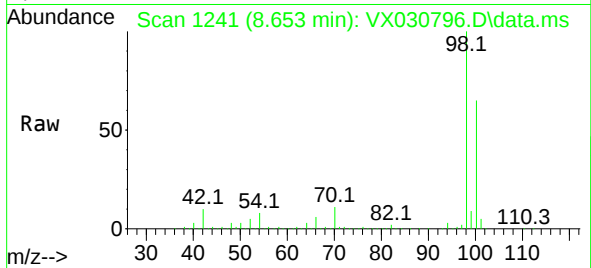




#50
Toluene-d8
Concen: 52.485 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX030796.D
Acq: 26 Aug 2022 01:50

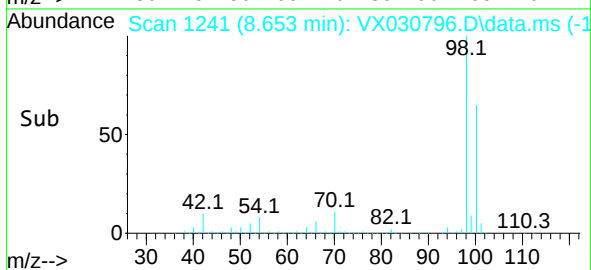
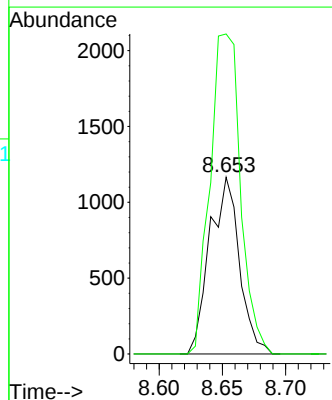
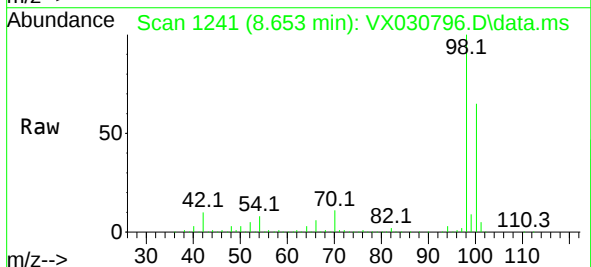
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20220816

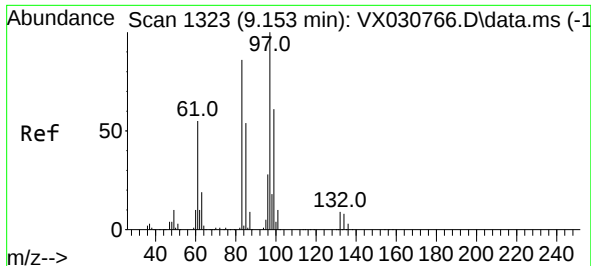
Tgt Ion: 98 Resp: 444575
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.478 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX030796.D
Acq: 26 Aug 2022 01:50

Tgt Ion: 43 Resp: 1903
Ion Ratio Lower Upper
43 100
58 187.1 31.4 47.2#

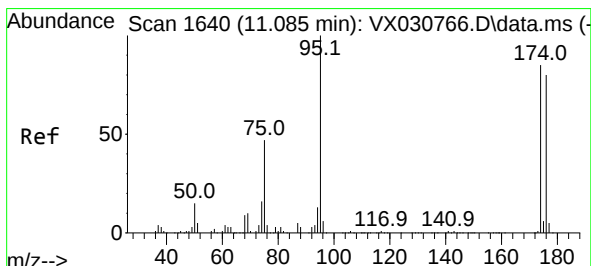
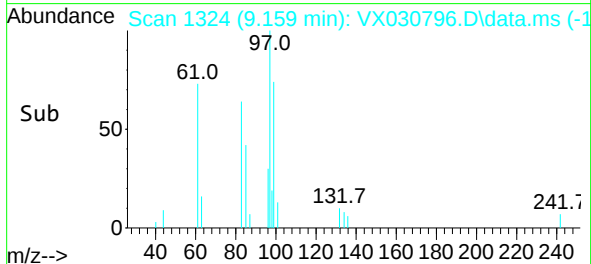
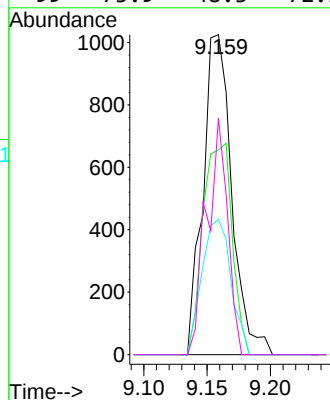
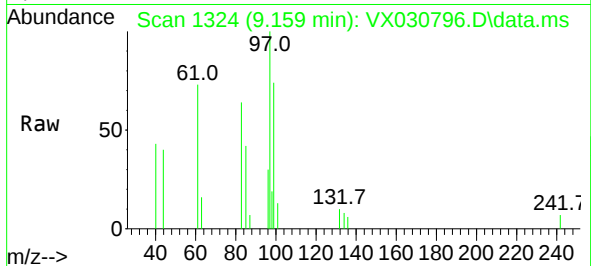




#55
1,1,2-Trichloroethane
Concen: 0.591 ug/l
RT: 9.159 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX030796.D
Acq: 26 Aug 2022 01:50

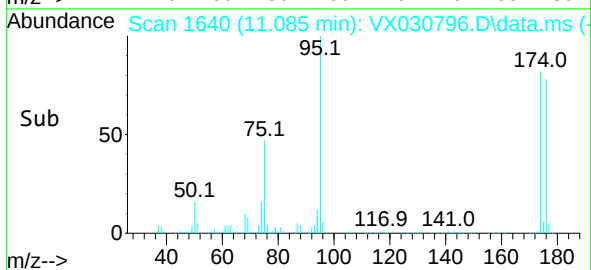
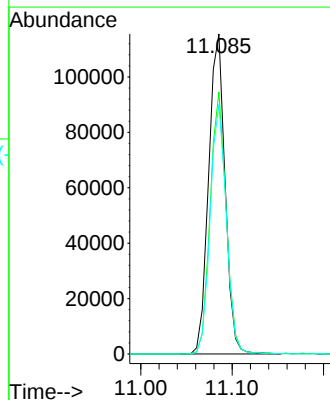
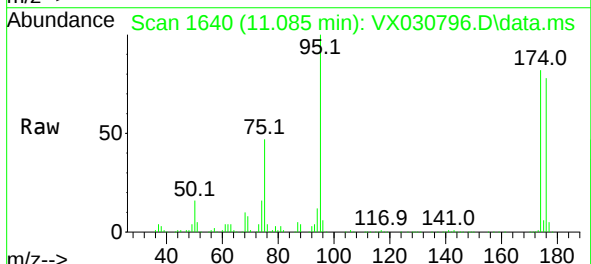
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20220816

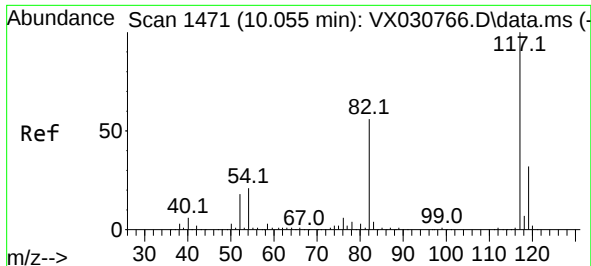
Tgt Ion: 97 Resp: 1624
Ion Ratio Lower Upper
97 100
83 64.0 68.9 103.3#
85 42.3 44.0 66.0#
99 73.9 48.3 72.5#



#62
4-Bromofluorobenzene
Concen: 45.737 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030796.D
Acq: 26 Aug 2022 01:50

Tgt Ion: 95 Resp: 144235
Ion Ratio Lower Upper
95 100
174 80.2 0.0 149.0
176 76.9 0.0 146.0

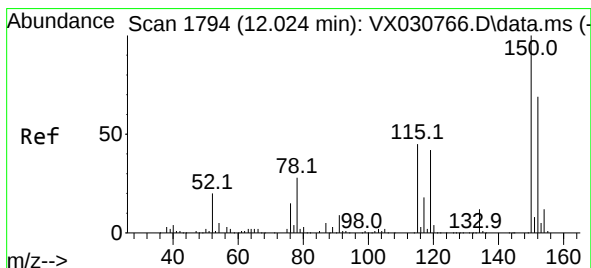
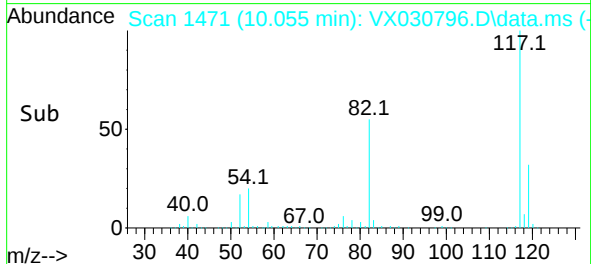
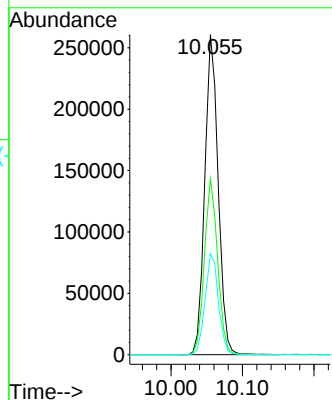
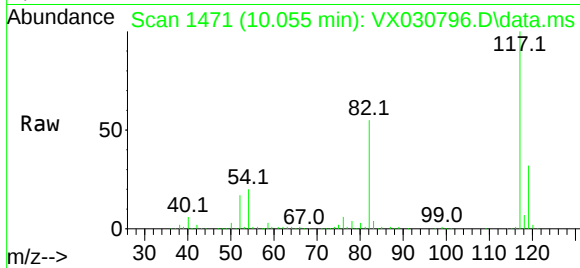




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030796.D
Acq: 26 Aug 2022 01:50

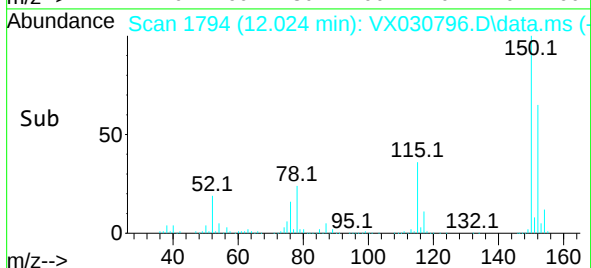
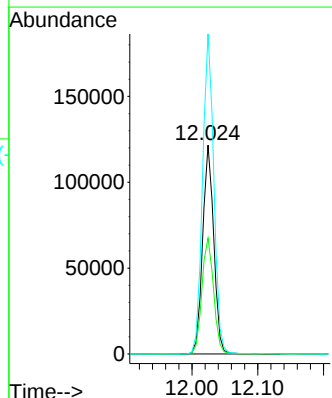
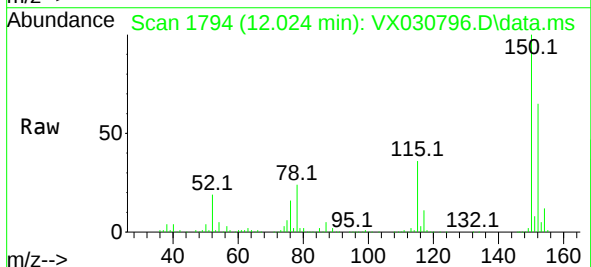
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20220816

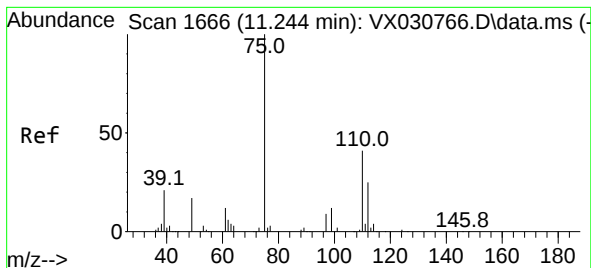
Tgt Ion:117 Resp: 339229
Ion Ratio Lower Upper
117 100
82 55.0 42.7 64.1
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030796.D
Acq: 26 Aug 2022 01:50

Tgt Ion:152 Resp: 143142
Ion Ratio Lower Upper
152 100
115 58.2 40.5 121.5
150 154.7 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 22.545 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX030796.D

Acq: 26 Aug 2022 01:50

Instrument :

MSVOA_X

ClientSampleId :

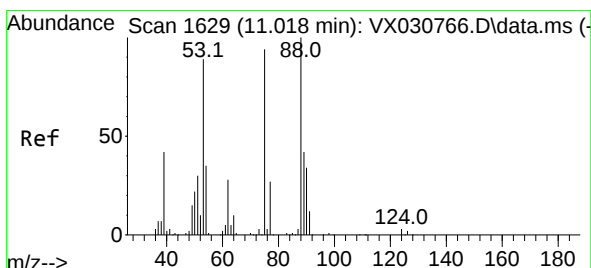
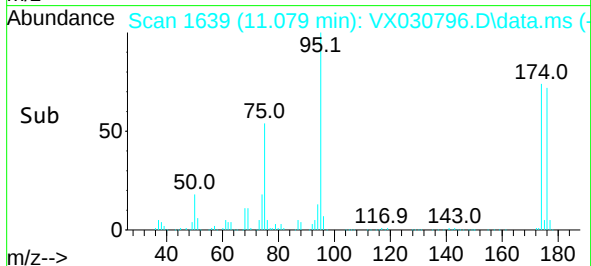
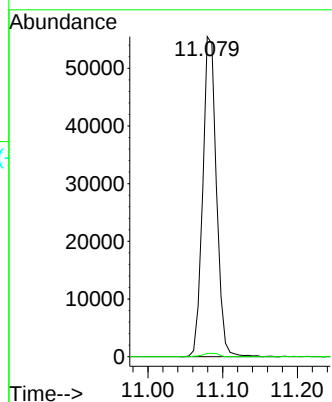
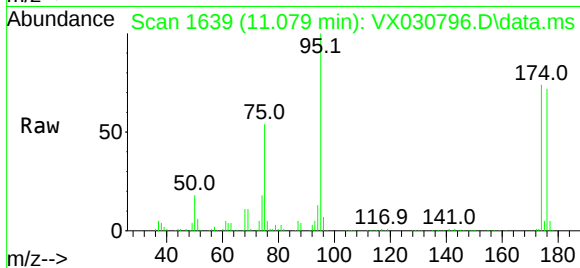
RE117D1-20220816

Tgt Ion: 75 Resp: 70701

Ion Ratio Lower Upper

75 100

77 1.3 19.8 59.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.739 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX030796.D

Acq: 26 Aug 2022 01:50

Tgt Ion: 75 Resp: 70701

Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.4#

89 0.0 34.8 52.2#

