

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033122\
 Data File : VX027842.D
 Acq On : 31 Mar 2022 12:57
 Operator : JC/MD
 Sample : N2041-05RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE117D1-20220317RE

Quant Time: Apr 01 04:07:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 04:39:27 2022
 Response via : Initial Calibration

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

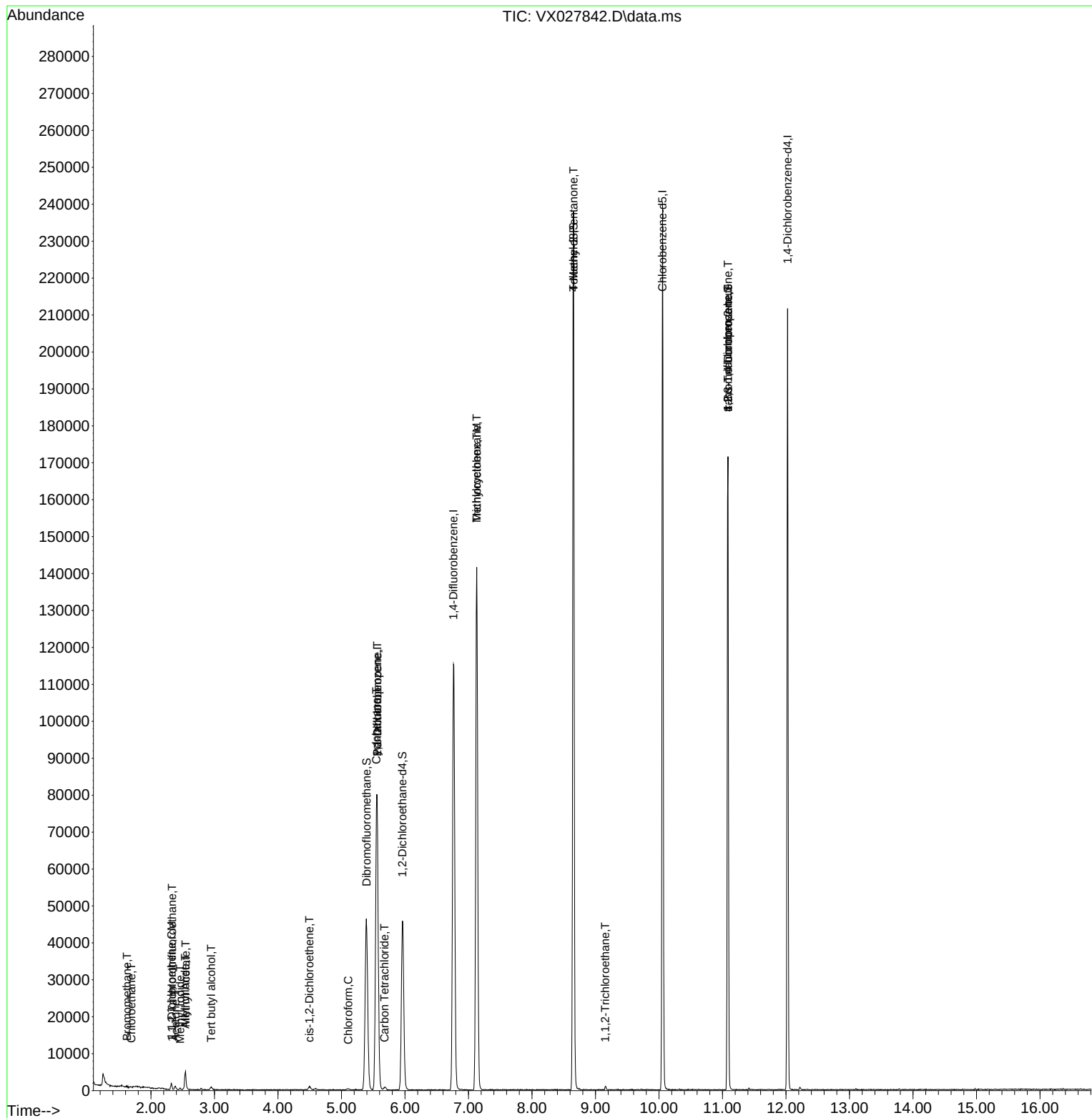
Internal Standards						
1) Pentafluorobenzene	5.562	168	76956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	122879	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	97007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	38012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	45279	45.601	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.200%
35) Dibromofluoromethane	5.397	113	39395	49.669	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.340%
50) Toluene-d8	8.653	98	139244	49.896	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.800%
62) 4-Bromofluorobenzene	11.085	95	47861	40.357	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	80.720%
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	127	0.446	ug/l #	65
6) Chloroethane	1.691	64	432	1.014	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	155	0.215	ug/l #	62
10) Methyl Iodide	2.459	142	352	0.421	ug/l #	84
11) Tert butyl alcohol	2.947	59	573	3.004	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	461	0.697	ug/l	87
14) Allyl chloride	2.538	41	409	0.337	ug/l #	32
16) Acetone	2.386	43	1084	2.467	ug/l #	81
18) Methyl Acetate	2.544	43	1462	1.350	ug/l #	46
27) cis-1,2-Dichloroethene	4.495	96	533	0.616	ug/l #	20
30) Chloroform	5.105	83	359	0.236	ug/l #	83
31) Cyclohexane	5.550	56	1615	1.471	ug/l #	23
36) 1,1-Dichloropropene	5.562	75	5865	5.871	ug/l #	50
38) Carbon Tetrachloride	5.678	117	682	0.618	ug/l #	96
39) Methylcyclohexane	7.129	83	592	0.504	ug/l #	1
44) Trichloroethene	7.129	130	53891	65.503	ug/l	94
51) 4-Methyl-2-Pentanone	8.653	43	633	0.460	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	239	0.283	ug/l #	77
76) 1,2,3-Trichloropropane	11.085	75	26832	30.091	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	26832	87.638	ug/l #	15

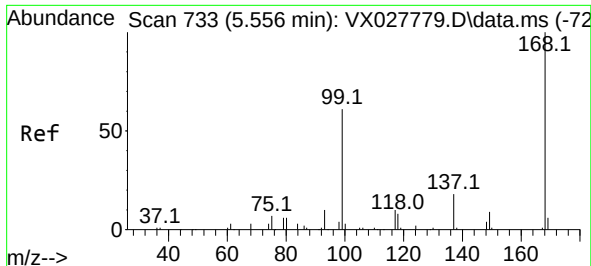
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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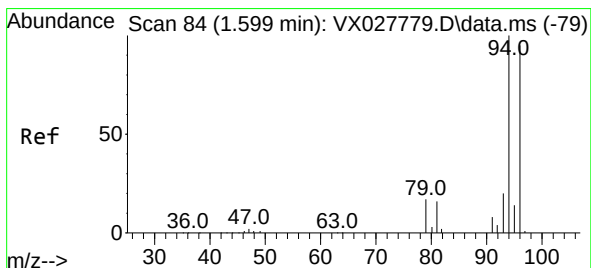
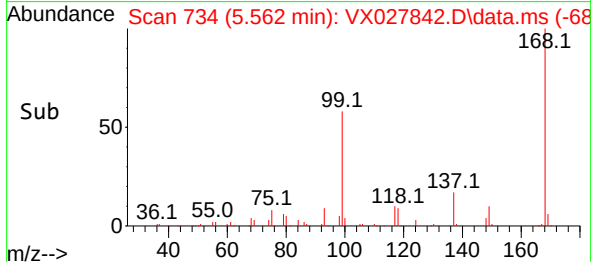
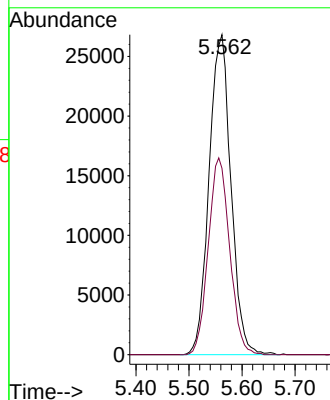
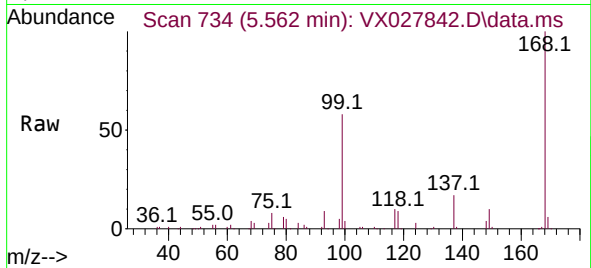




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX027842.D
Acq: 31 Mar 2022 12:57

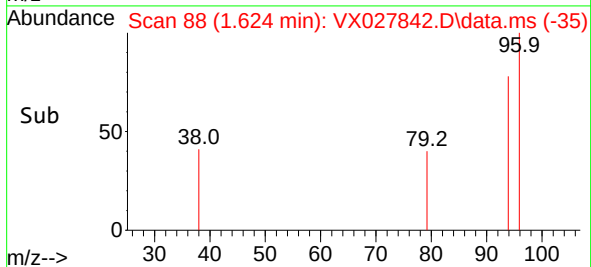
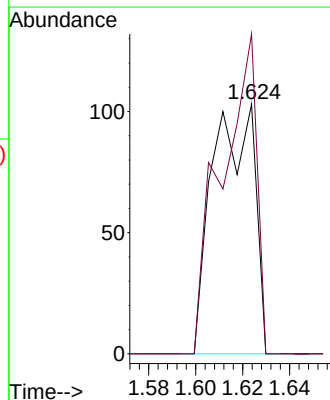
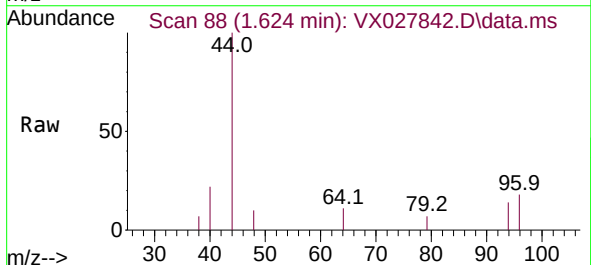
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20220317RE

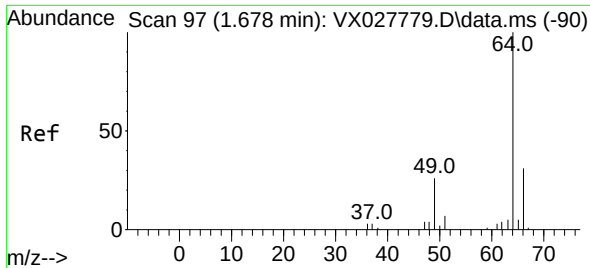
Tgt Ion:168 Resp: 76956
Ion Ratio Lower Upper
168 100
99 58.2 41.7 62.5



#5
Bromomethane
Concen: 0.446 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX027842.D
Acq: 31 Mar 2022 12:57

Tgt Ion: 94 Resp: 127
Ion Ratio Lower Upper
94 100
96 128.2 75.3 112.9#

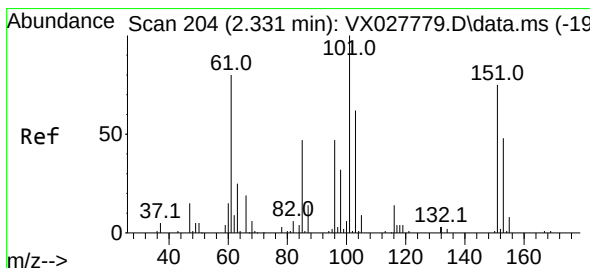
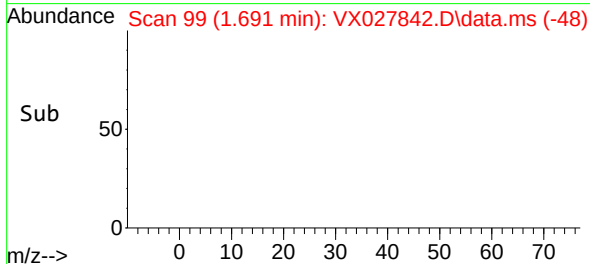
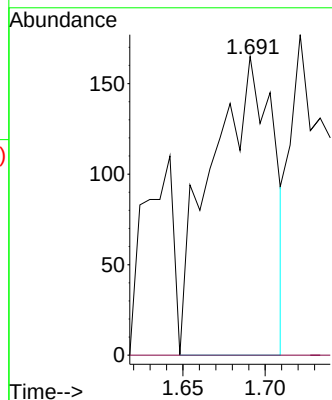
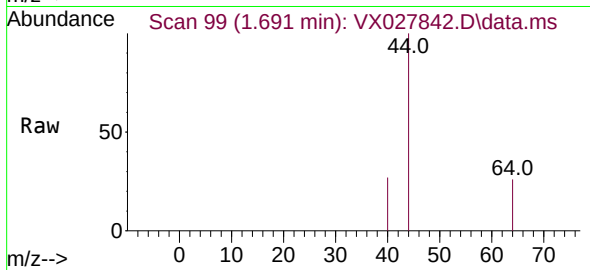




#6
Chloroethane
Concen: 1.014 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX027842.D
Acq: 31 Mar 2022 12:57

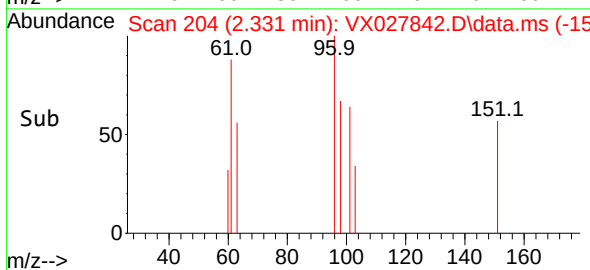
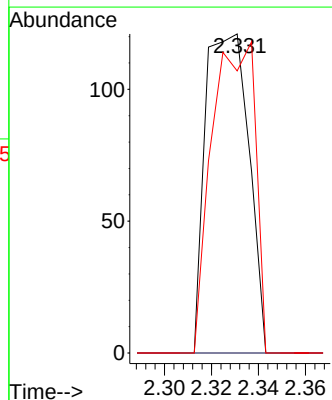
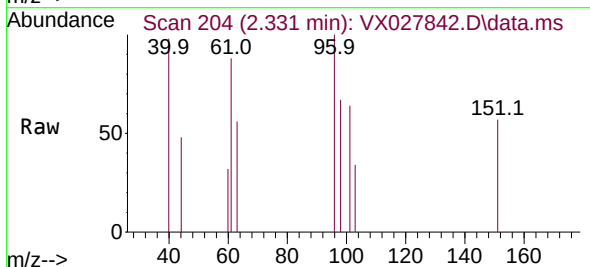
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20220317RE

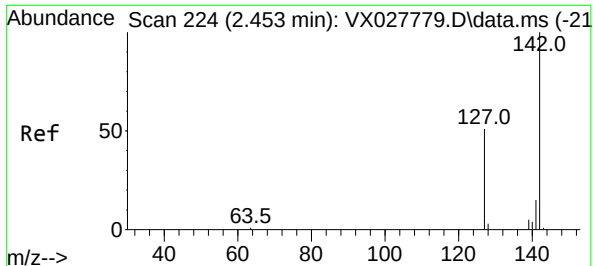
Tgt Ion: 64 Resp: 432
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.215 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX027842.D
Acq: 31 Mar 2022 12:57

Tgt Ion: 101 Resp: 155
Ion Ratio Lower Upper
101 100
85 0.0 33.5 50.3#
151 97.4 61.8 92.6#

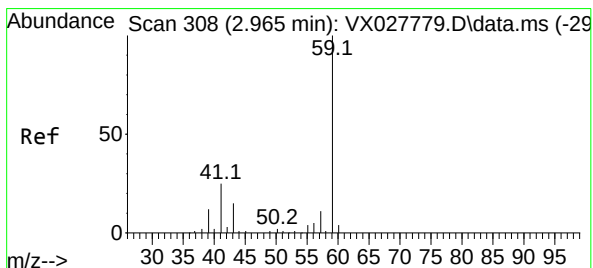
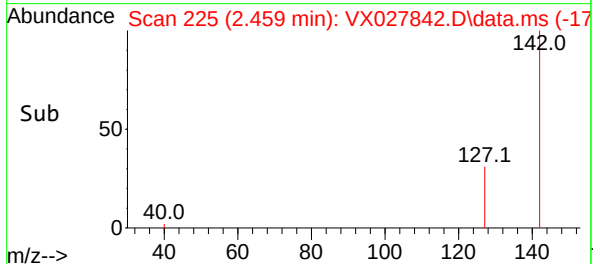
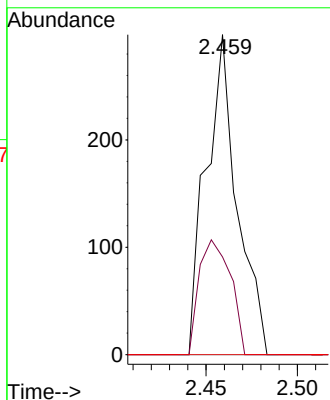
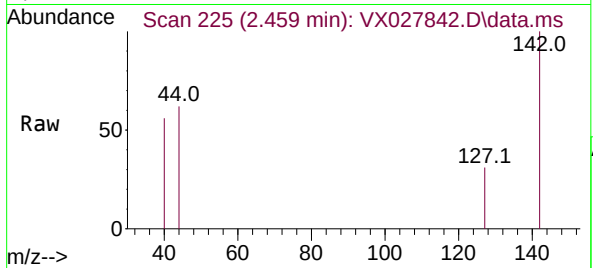




#10
Methyl Iodide
Concen: 0.421 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX027842.D
Acq: 31 Mar 2022 12:57

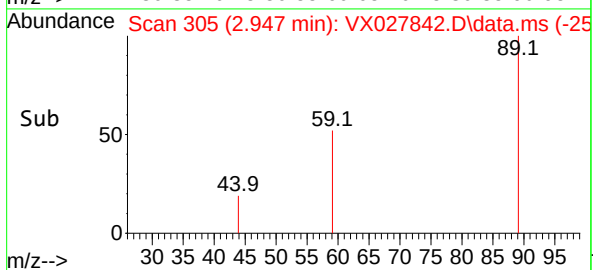
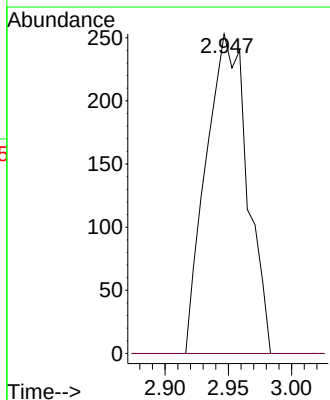
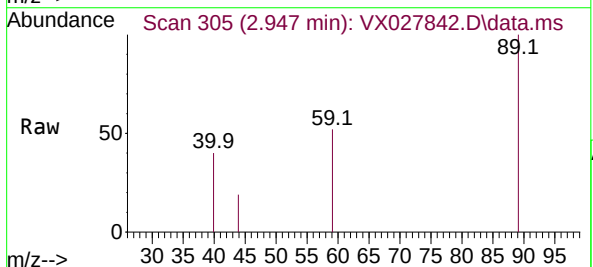
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20220317RE

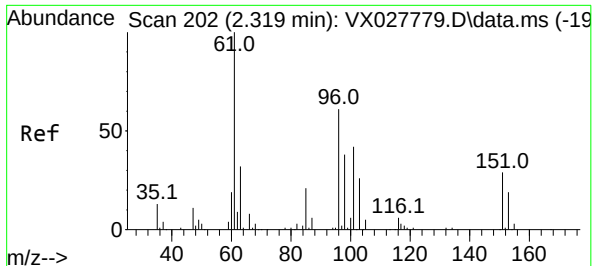
Tgt Ion:142 Resp: 352
Ion Ratio Lower Upper
142 100
127 36.4 33.9 50.9
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 3.004 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX027842.D
Acq: 31 Mar 2022 12:57

Tgt Ion: 59 Resp: 573
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 0.697 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX027842.D

Acq: 31 Mar 2022 12:57

Instrument :

MSVOA_X

ClientSampleId :

RE117D1-20220317RE

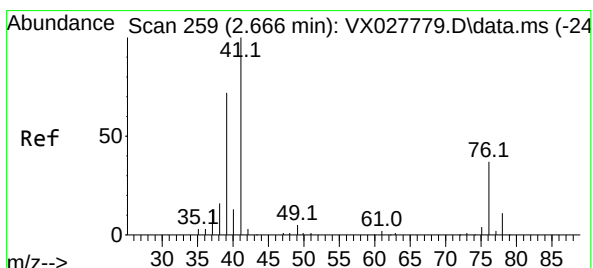
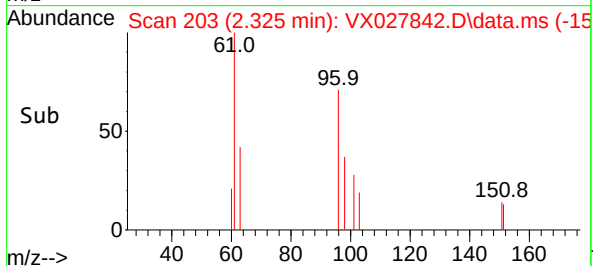
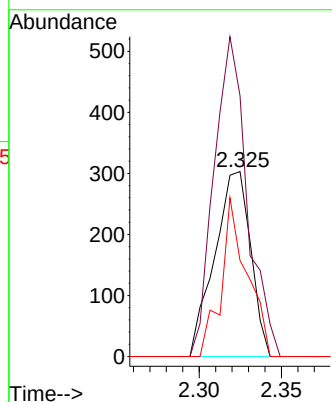
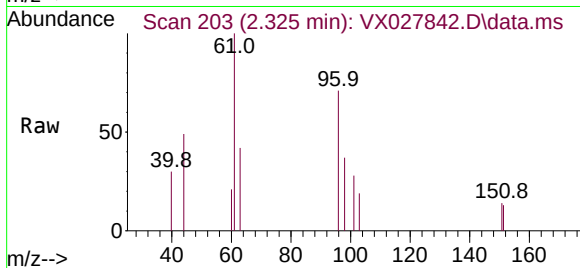
Tgt Ion: 96 Resp: 461

Ion Ratio Lower Upper

96 100

61 140.9 124.6 187.0

98 51.8 51.0 76.4



#14

Allyl chloride

Concen: 0.337 ug/l

RT: 2.538 min Scan# 238

Delta R.T. -0.128 min

Lab File: VX027842.D

Acq: 31 Mar 2022 12:57

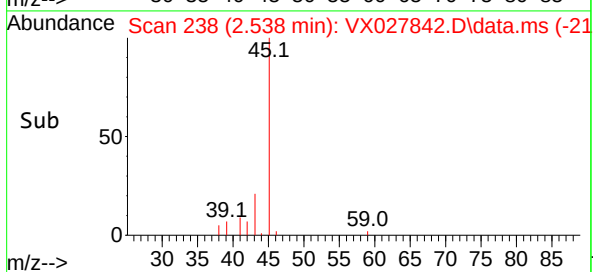
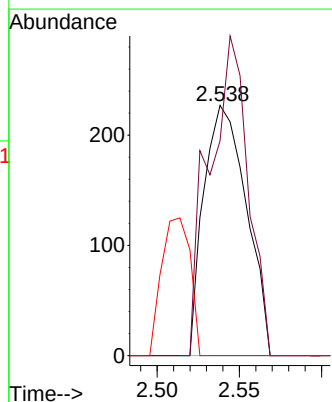
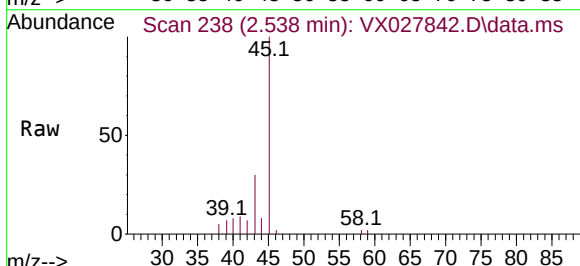
Tgt Ion: 41 Resp: 409

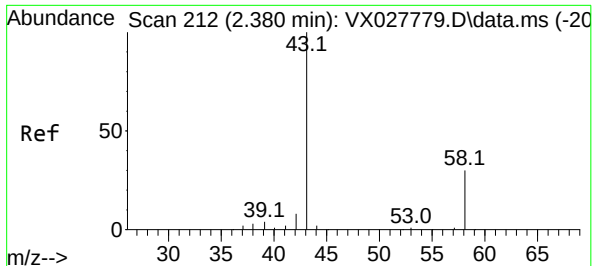
Ion Ratio Lower Upper

41 100

39 116.6 50.4 75.6#

76 0.0 32.7 49.1#





#16

Acetone

Concen: 2.467 ug/l

RT: 2.386 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX027842.D

Acq: 31 Mar 2022 12:57

Instrument :

MSVOA_X

ClientSampleId :

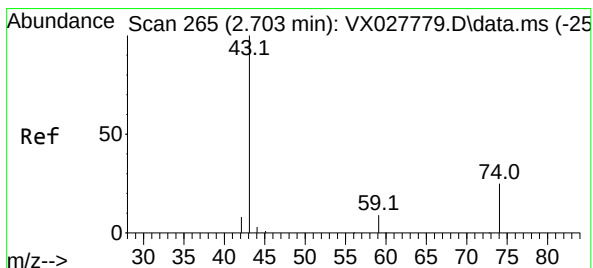
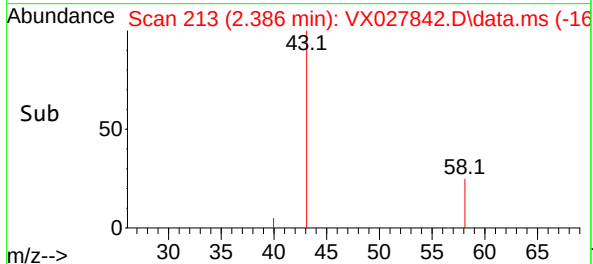
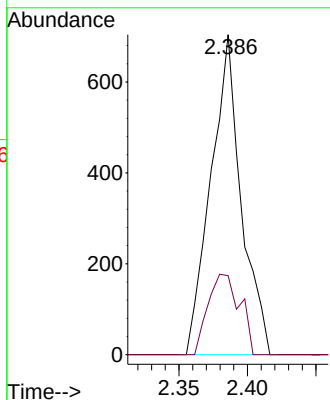
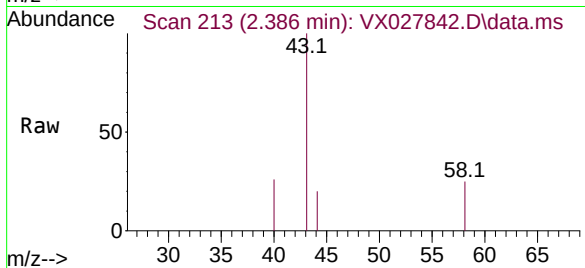
RE117D1-20220317RE

Tgt Ion: 43 Resp: 1084

Ion Ratio Lower Upper

43 100

58 24.7 28.8 43.2#



#18

Methyl Acetate

Concen: 1.350 ug/l

RT: 2.544 min Scan# 239

Delta R.T. -0.159 min

Lab File: VX027842.D

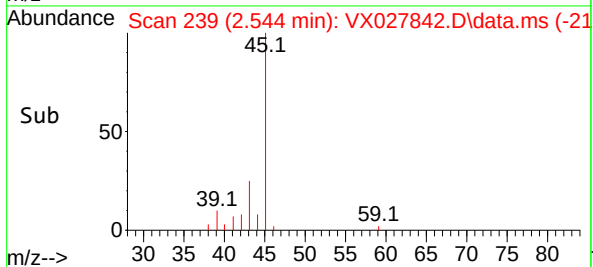
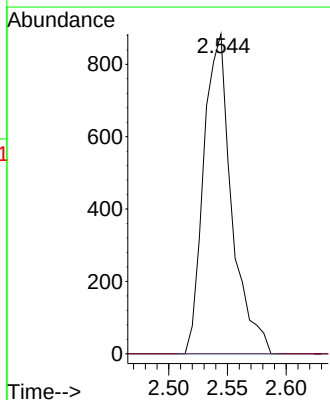
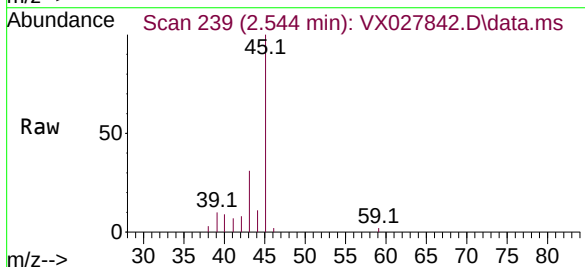
Acq: 31 Mar 2022 12:57

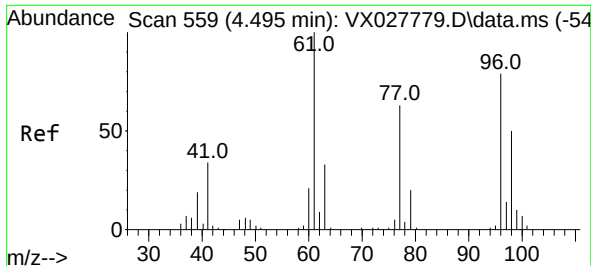
Tgt Ion: 43 Resp: 1462

Ion Ratio Lower Upper

43 100

74 0.0 22.8 34.2#





#27

cis-1,2-Dichloroethene

Concen: 0.616 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX027842.D

Acq: 31 Mar 2022 12:57

Instrument :

MSVOA_X

ClientSampleId :

RE117D1-20220317RE

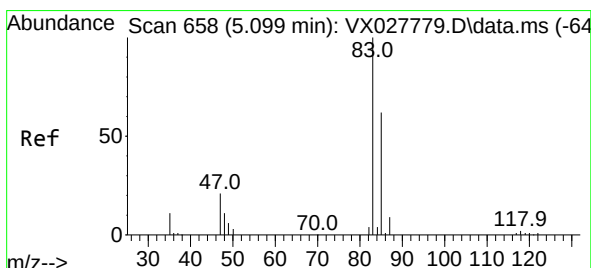
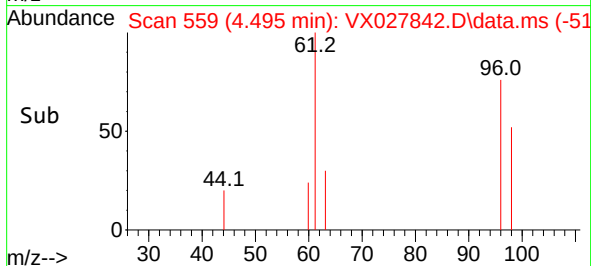
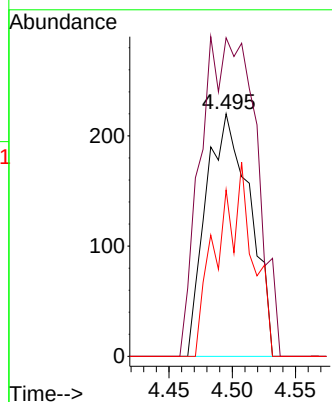
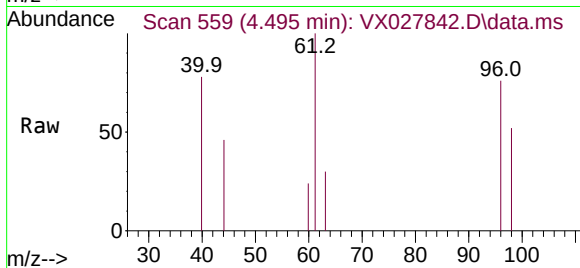
Tgt Ion: 96 Resp: 533

Ion Ratio Lower Upper

96 100

61 0.0 0.0 283.8

98 63.6 0.0 129.8



#30

Chloroform

Concen: 0.236 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.006 min

Lab File: VX027842.D

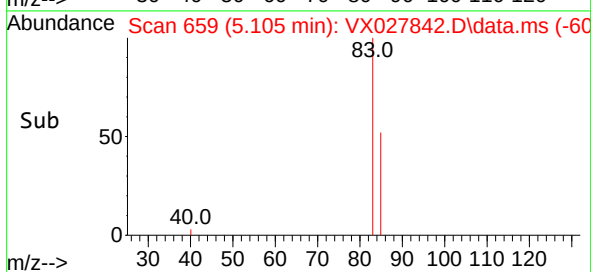
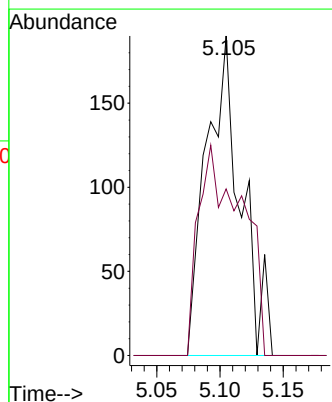
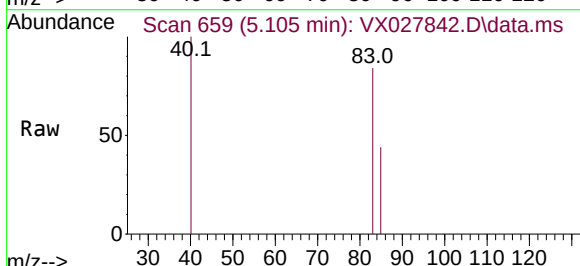
Acq: 31 Mar 2022 12:57

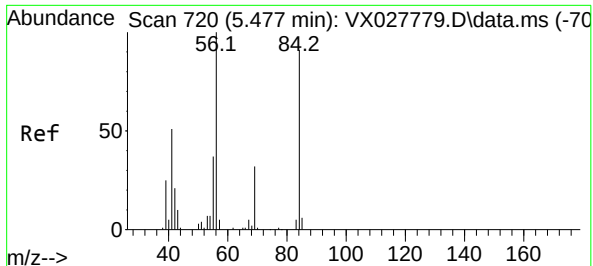
Tgt Ion: 83 Resp: 359

Ion Ratio Lower Upper

83 100

85 52.1 52.7 79.1#

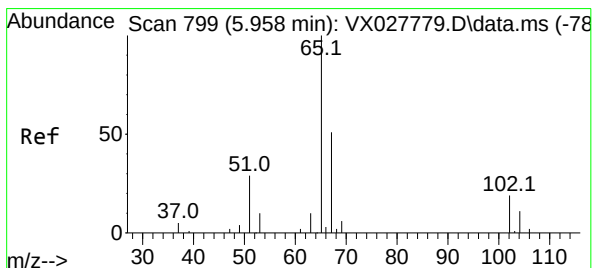
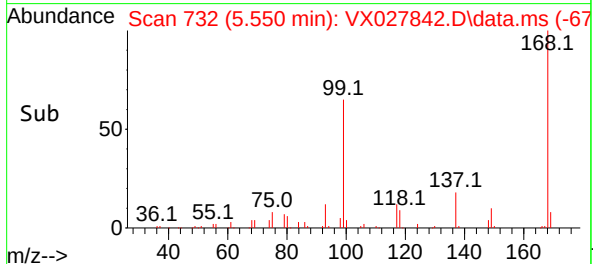
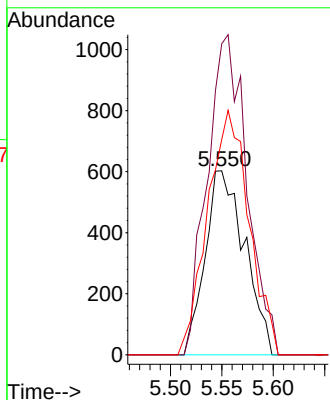
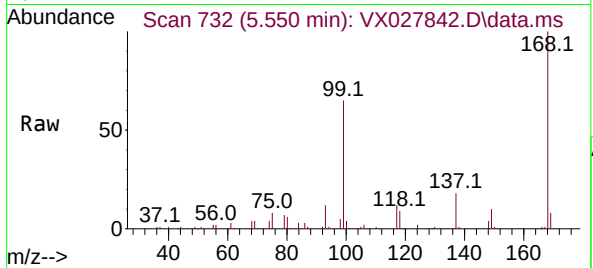




#31
Cyclohexane
Concen: 1.471 ug/l
RT: 5.550 min Scan# 713
Delta R.T. 0.073 min
Lab File: VX027842.D
Acq: 31 Mar 2022 12:57

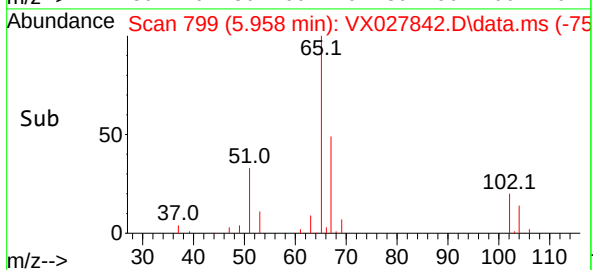
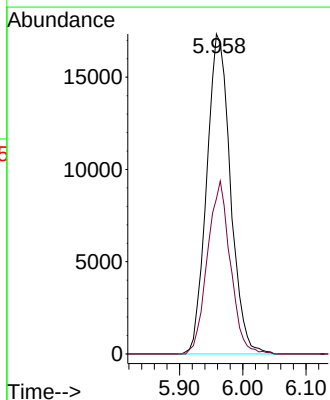
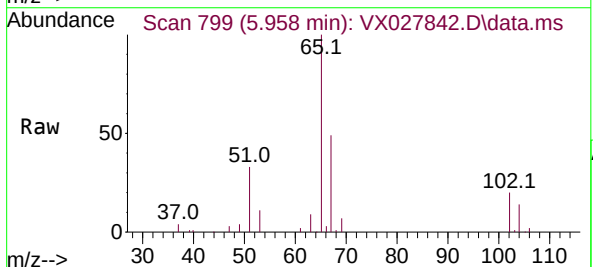
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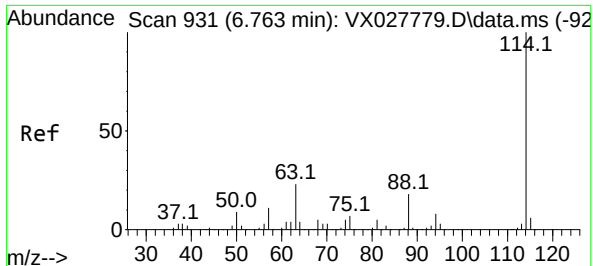
Tgt Ion: 56 Resp: 1615
Ion Ratio Lower Upper
56 100
69 169.0 26.7 40.1#
84 116.9 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 45.601 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027842.D
Acq: 31 Mar 2022 12:57

Tgt Ion: 65 Resp: 45279
Ion Ratio Lower Upper
65 100
67 52.1 0.0 107.4

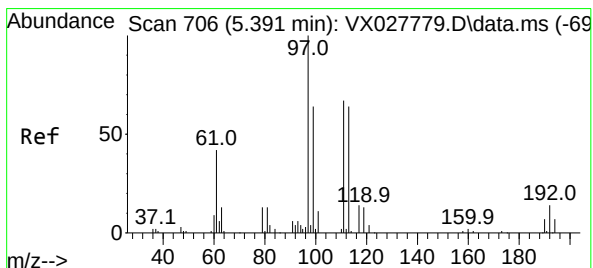
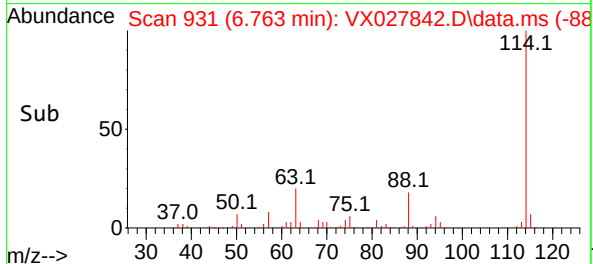
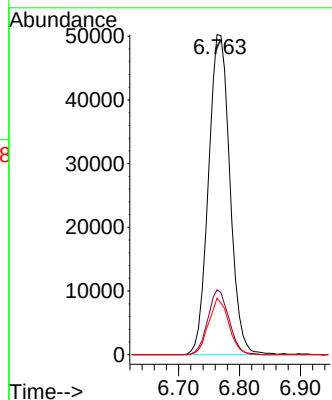
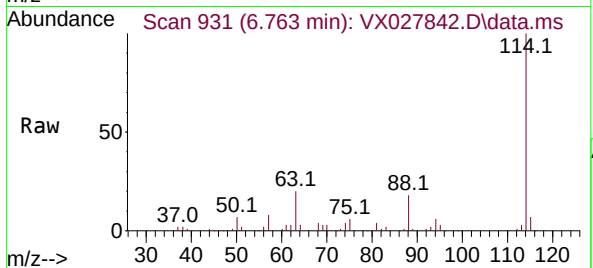




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX027842.D
Acq: 31 Mar 2022 12:57

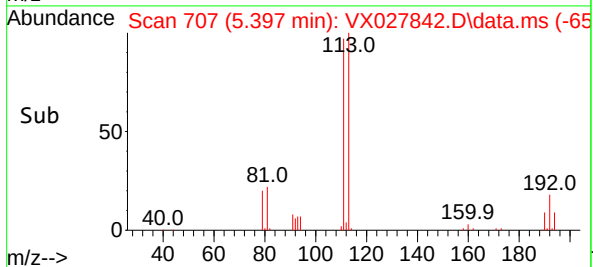
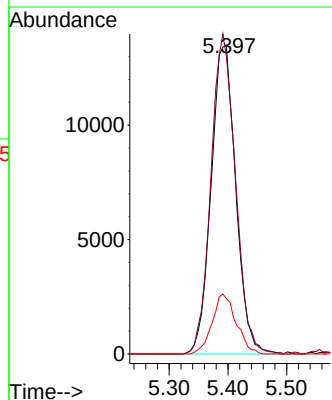
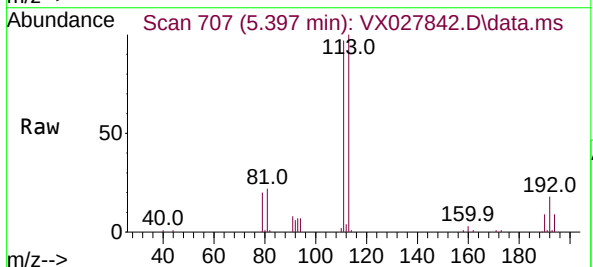
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20220317RE

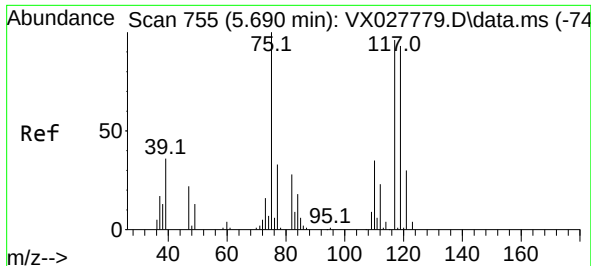
Tgt Ion:114 Resp: 122879
Ion Ratio Lower Upper
114 100
63 20.3 0.0 36.8
88 17.7 0.0 32.4



#35
Dibromofluoromethane
Concen: 49.669 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX027842.D
Acq: 31 Mar 2022 12:57

Tgt Ion:113 Resp: 39395
Ion Ratio Lower Upper
113 100
111 102.9 82.8 124.2
192 18.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.871 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.128 min

Lab File: VX027842.D

Acq: 31 Mar 2022 12:57

Instrument :

MSVOA_X

ClientSampleId :

RE117D1-20220317RE

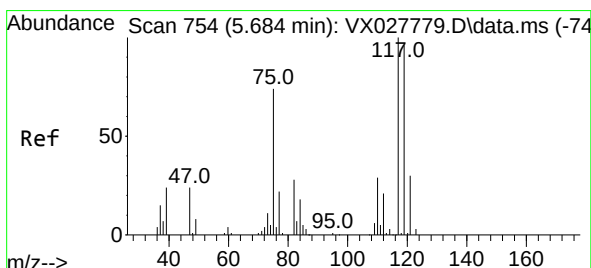
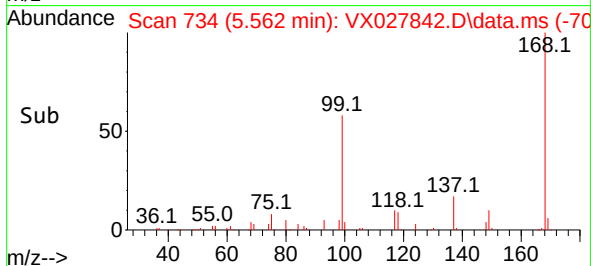
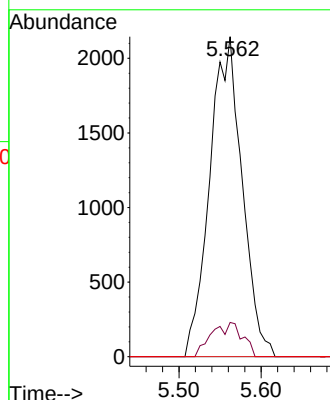
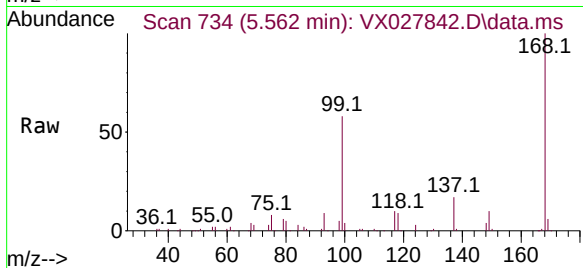
Tgt Ion: 75 Resp: 5865

Ion Ratio Lower Upper

75 100

110 10.2 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 0.618 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.006 min

Lab File: VX027842.D

Acq: 31 Mar 2022 12:57

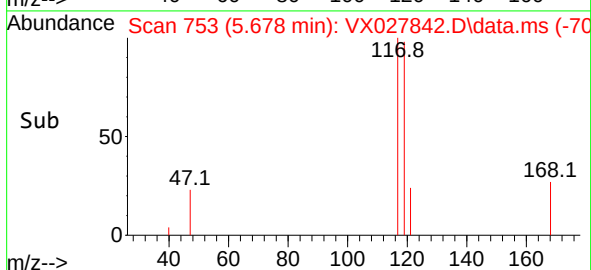
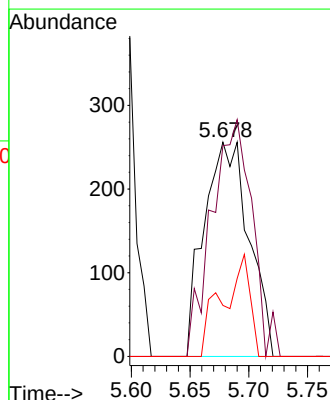
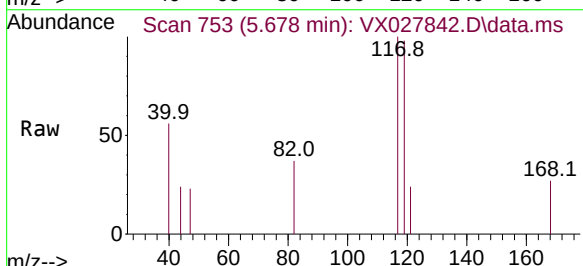
Tgt Ion: 117 Resp: 682

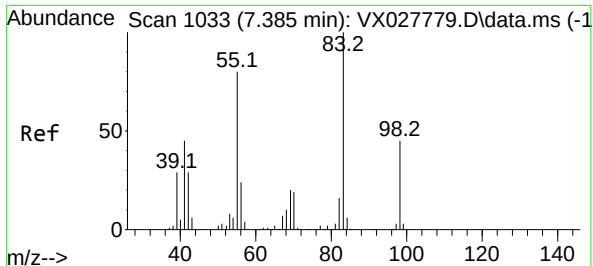
Ion Ratio Lower Upper

117 100

119 98.4 77.3 115.9

121 23.8 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.504 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX027842.D

Acq: 31 Mar 2022 12:57

Instrument :

MSVOA_X

ClientSampleId :

RE117D1-20220317RE

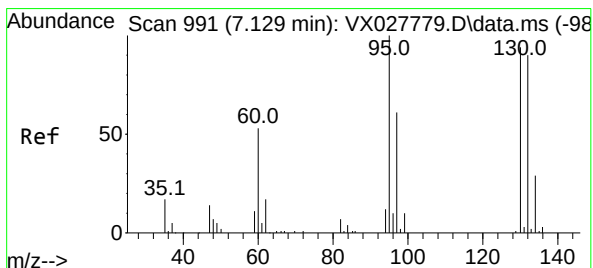
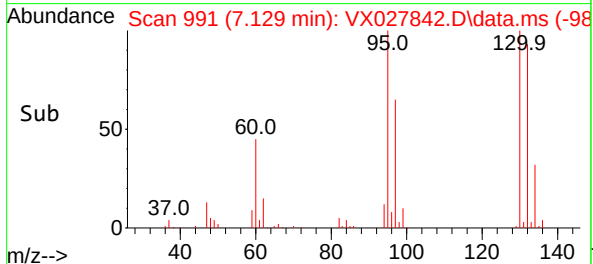
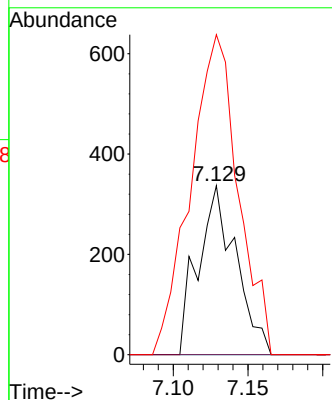
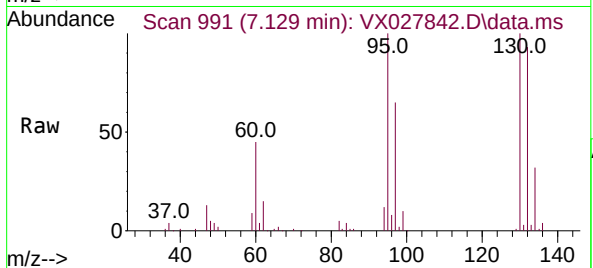
Tgt Ion: 83 Resp: 592

Ion Ratio Lower Upper

83 100

55 0.0 54.6 81.8#

98 189.3 37.4 56.2#



#44

Trichloroethene

Concen: 65.503 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX027842.D

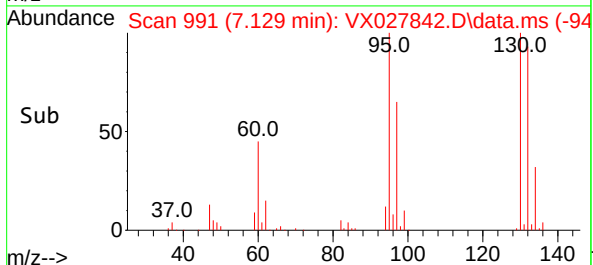
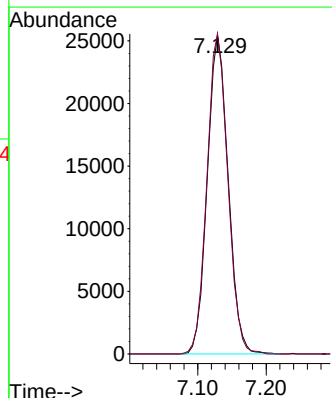
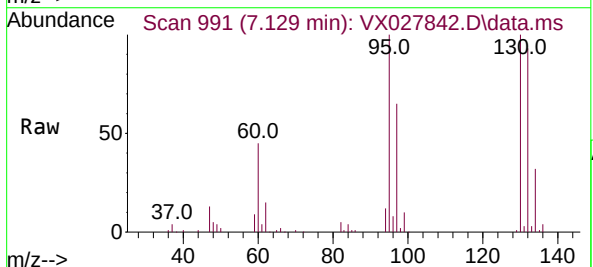
Acq: 31 Mar 2022 12:57

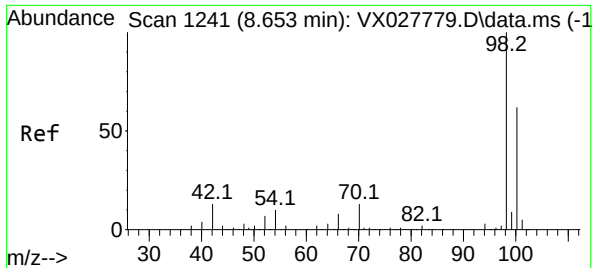
Tgt Ion:130 Resp: 53891

Ion Ratio Lower Upper

130 100

95 100.1 0.0 188.8





#50

Toluene-d8

Concen: 49.896 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX027842.D

Acq: 31 Mar 2022 12:57

Instrument :

MSVOA_X

ClientSampleId :

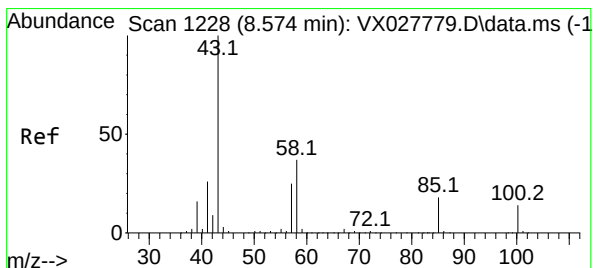
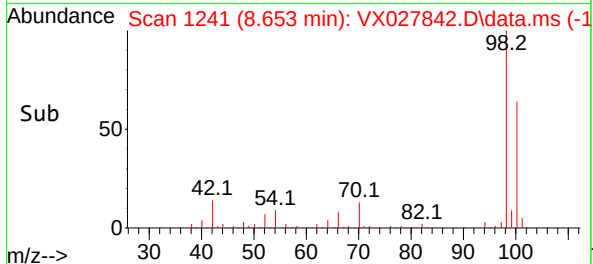
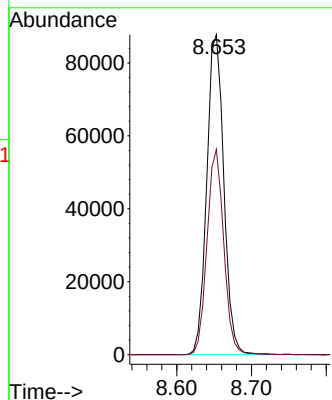
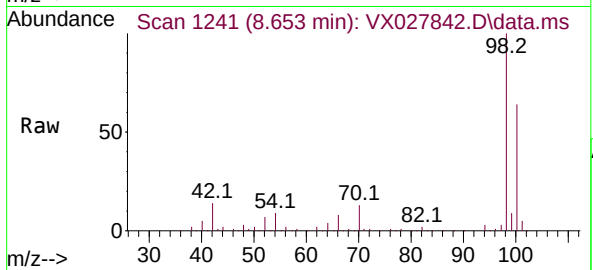
RE117D1-20220317RE

Tgt Ion: 98 Resp: 139244

Ion Ratio Lower Upper

98 100

100 63.0 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 0.460 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX027842.D

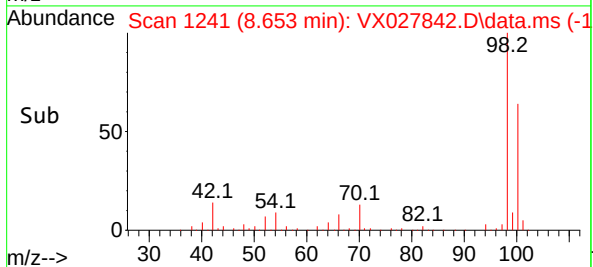
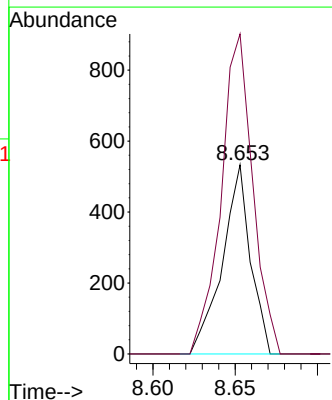
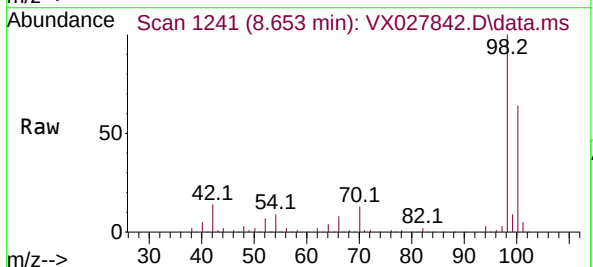
Acq: 31 Mar 2022 12:57

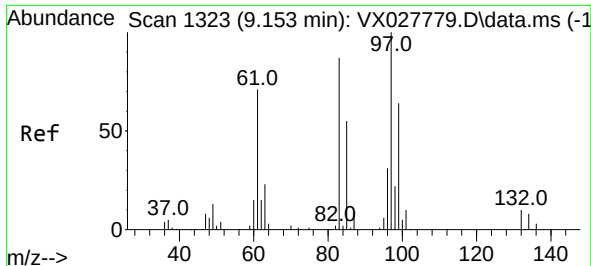
Tgt Ion: 43 Resp: 633

Ion Ratio Lower Upper

43 100

58 191.0 36.1 54.1#

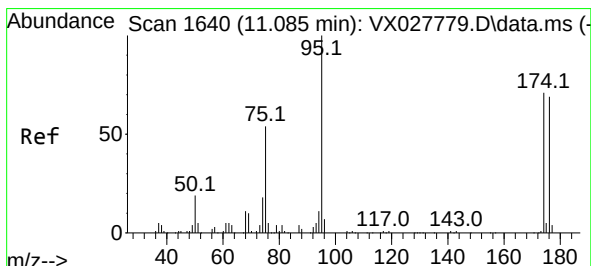
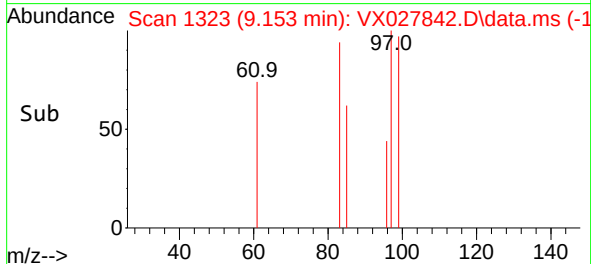
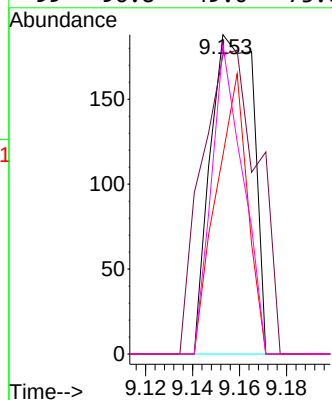
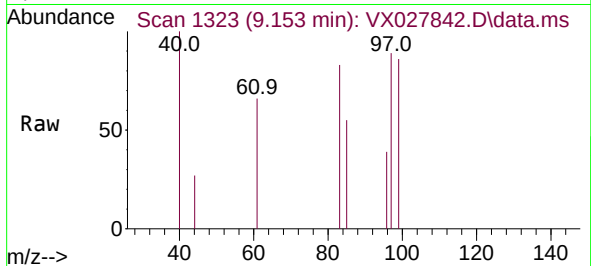




#55
1,1,2-Trichloroethane
Concen: 0.283 ug/l
RT: 9.153 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027842.D
Acq: 31 Mar 2022 12:57

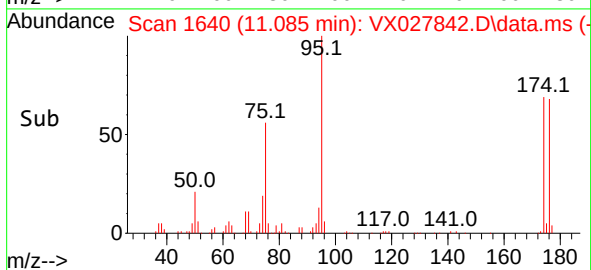
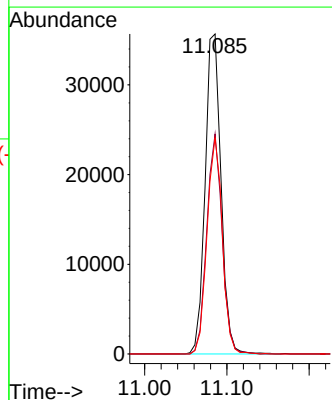
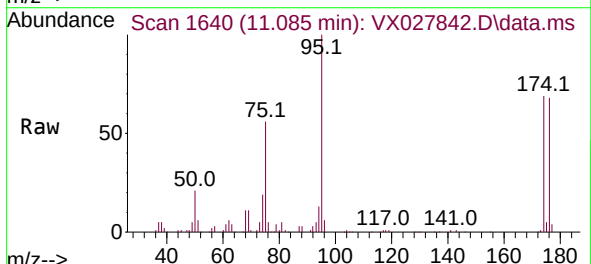
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20220317RE

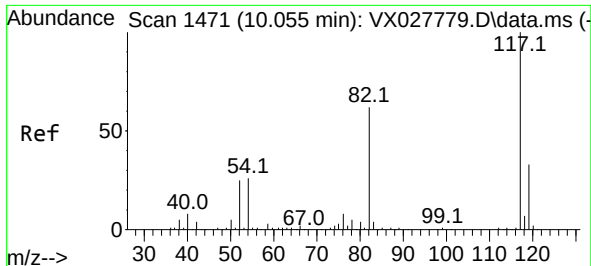
Tgt Ion: 97	Resp: 239
Ion Ratio	Lower Upper
97 100	
83 93.6	66.2 99.4
85 62.2	42.9 64.3
99 96.8	49.0 73.6#



#62
4-Bromofluorobenzene
Concen: 40.357 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX027842.D
Acq: 31 Mar 2022 12:57

Tgt Ion: 95	Resp:	47861	
Ion	Ratio	Lower	Upper
95	100		
174	66.6	0.0	163.0
176	65.1	0.0	155.0

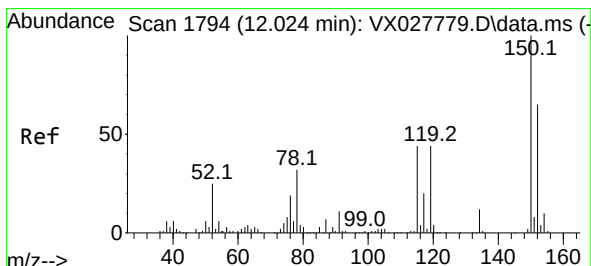
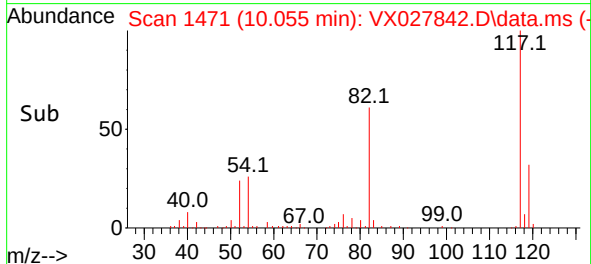
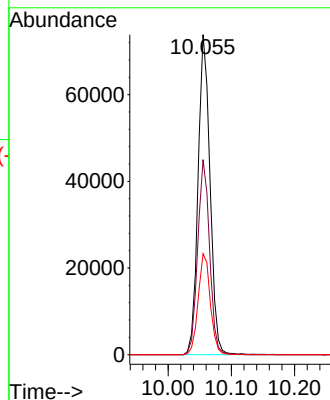
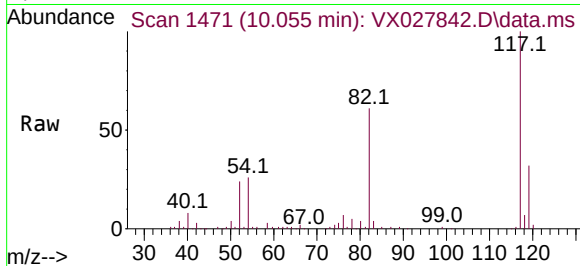




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027842.D
Acq: 31 Mar 2022 12:57

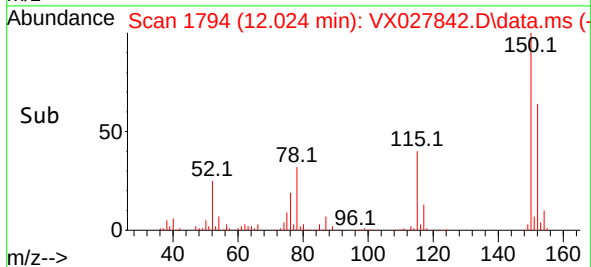
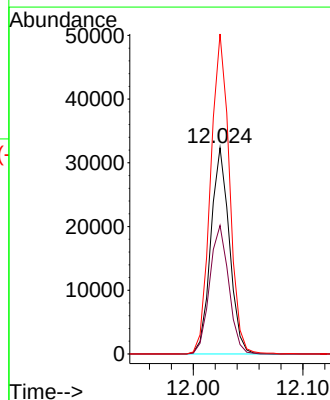
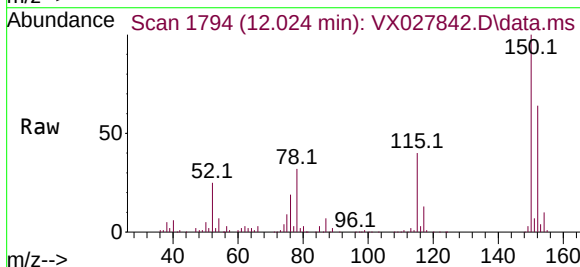
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20220317RE

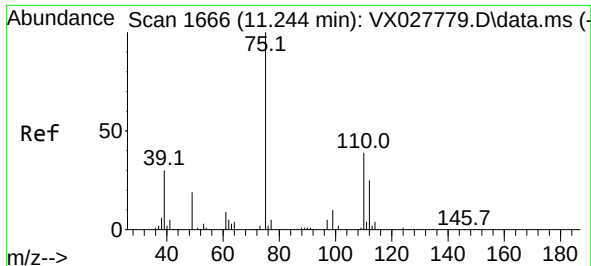
Tgt Ion:117 Resp: 97007
Ion Ratio Lower Upper
117 100
82 60.9 41.8 62.8
119 31.5 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027842.D
Acq: 31 Mar 2022 12:57

Tgt Ion:152 Resp: 38012
Ion Ratio Lower Upper
152 100
115 64.0 37.5 112.7
150 157.4 0.0 338.2

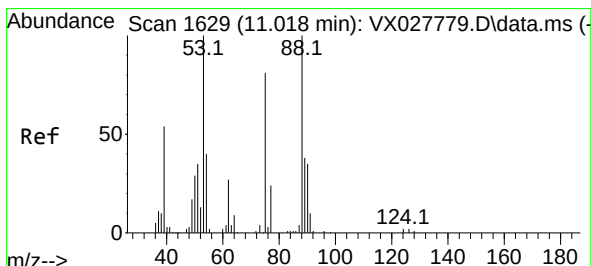
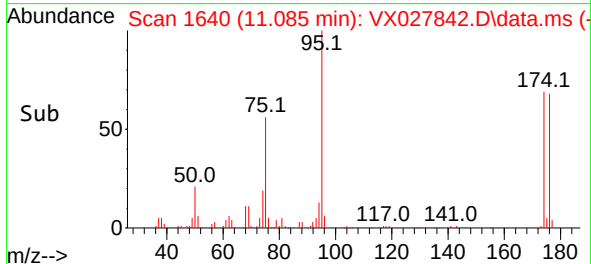
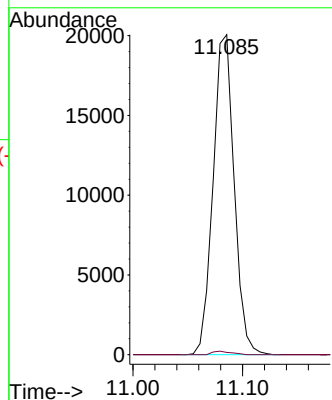
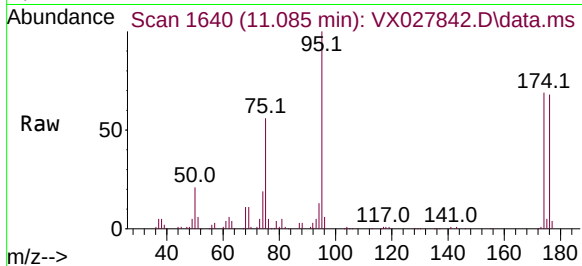




#76
1,2,3-Trichloropropane
Concen: 30.091 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX027842.D
Acq: 31 Mar 2022 12:57

Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20220317RE

Tgt Ion: 75 Resp: 26832
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.638 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX027842.D
Acq: 31 Mar 2022 12:57

Tgt Ion: 75 Resp: 26832
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

