

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082622\
 Data File : VX030847.D
 Acq On : 27 Aug 2022 05:06
 Operator : JC/MD
 Sample : N4281-06 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D2-20220818

Quant Time: Aug 27 06:30:10 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)

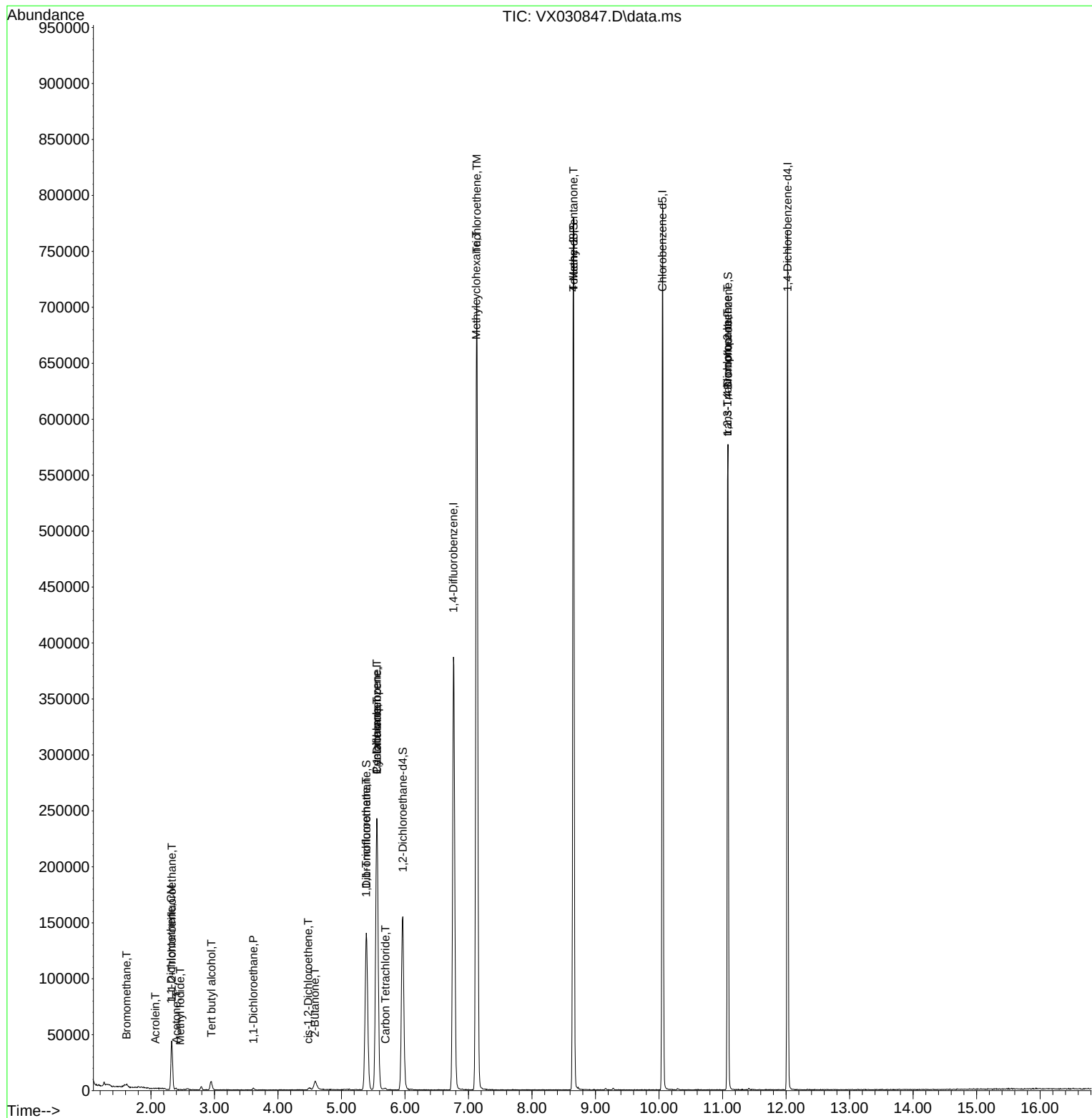
Internal Standards						
1) Pentafluorobenzene	5.556	168	228838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	394473	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	353159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	152449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	145964	54.227	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.460%	
35) Dibromofluoromethane	5.391	113	123079	50.768	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.540%	
50) Toluene-d8	8.653	98	463710	54.889	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.780%	
62) 4-Bromofluorobenzene	11.085	95	157062	49.937	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.880%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	297	Below Cal	#	42
5) Bromomethane	1.617	94	512	0.480	ug/l	84
6) Chloroethane	1.666	64	139	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	2.331	101	11673	5.238	ug/l	97
10) Methyl Iodide	2.459	142	287	4.171	ug/l	# 87
11) Tert butyl alcohol	2.953	59	5089	8.709	ug/l	# 76
12) 1,1-Dichloroethene	2.319	96	6001	2.893	ug/l	84
13) Acrolein	2.069	56	67	10.177	ug/l	# 14
16) Acetone	2.398	43	1427	1.147	ug/l	97
17) Carbon Disulfide	2.514	76	427	Below Cal	#	74
20) Methylene Chloride	2.788	84	1478	Below Cal	#	67
24) 1,1-Dichloroethane	3.611	63	1601	0.366	ug/l	# 82
25) 2-Butanone	4.580	43	580	0.289	ug/l	# 48
27) cis-1,2-Dichloroethene	4.477	96	564	0.205	ug/l	# 1
31) Cyclohexane	5.556	56	4691	1.363	ug/l	# 1
32) 1,1,1-Trichloroethane	5.385	97	1002	0.269	ug/l	# 41
36) 1,1-Dichloropropene	5.556	75	18908	5.727	ug/l	# 48
38) Carbon Tetrachloride	5.690	117	853	0.245	ug/l	# 79
39) Methylcyclohexane	7.123	83	3483	0.882	ug/l	# 1
44) Trichloroethene	7.129	130	277885	97.383	ug/l	95
51) 4-Methyl-2-Pentanone	8.653	43	1815	0.457	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	77790	23.291	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	77790	75.146	ug/l	# 13

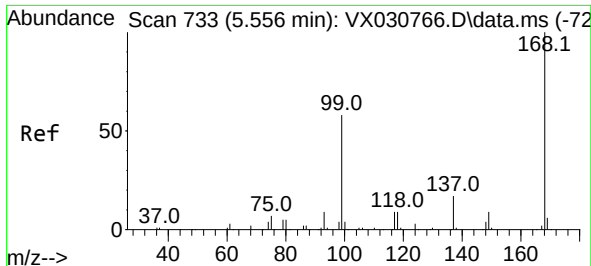
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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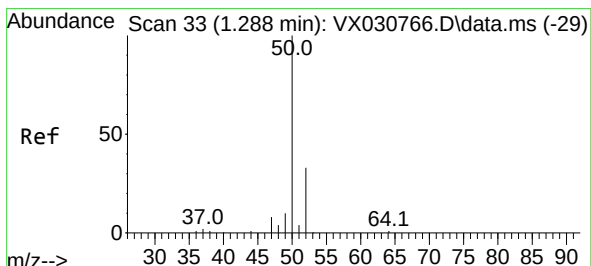
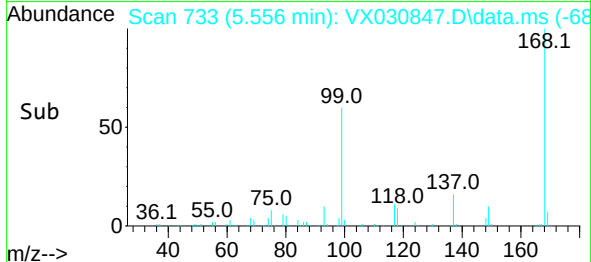
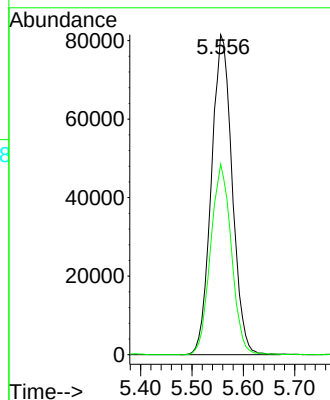
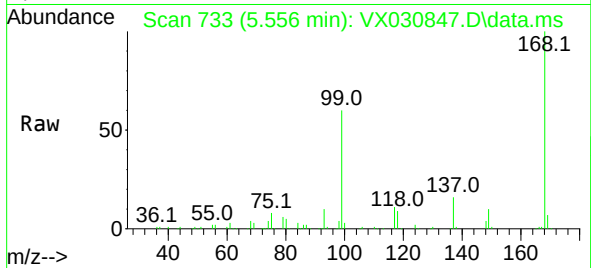




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030847.D
Acq: 27 Aug 2022 05:06

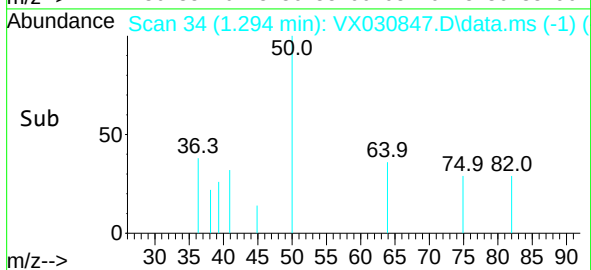
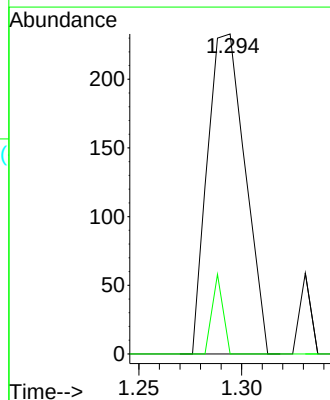
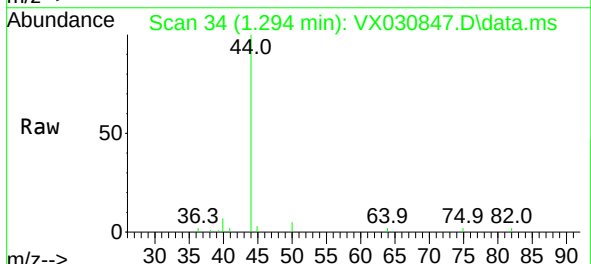
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20220818

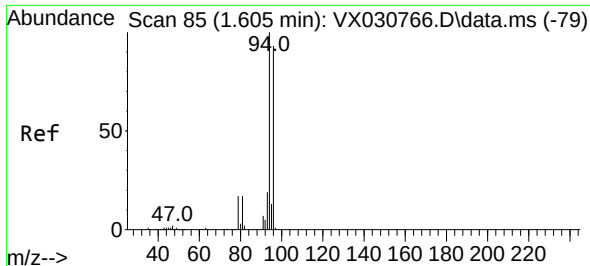
Tgt Ion:168 Resp: 228838
Ion Ratio Lower Upper
168 100
99 59.5 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX030847.D
Acq: 27 Aug 2022 05:06

Tgt Ion: 50 Resp: 297
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5

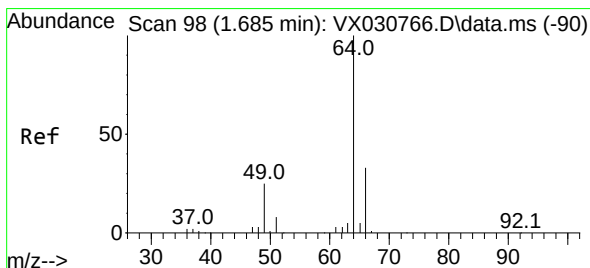
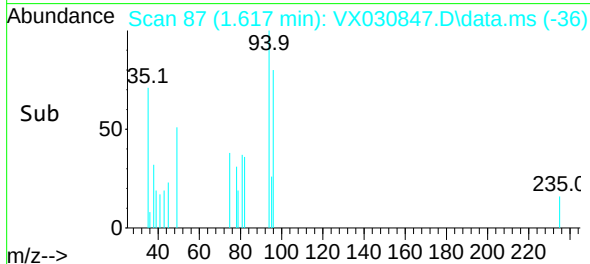
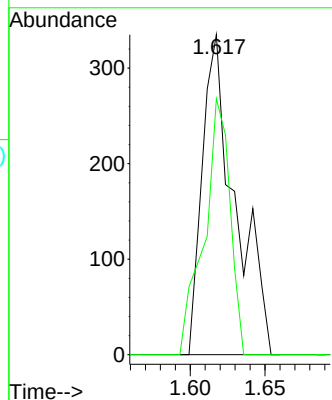
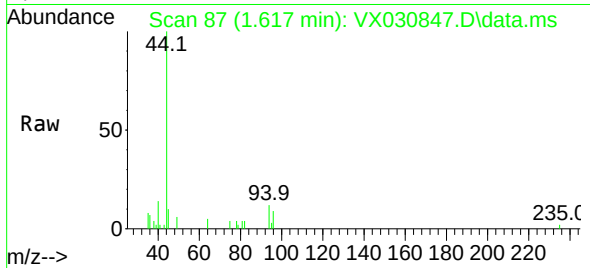




#5
Bromomethane
Concen: 0.480 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX030847.D
Acq: 27 Aug 2022 05:06

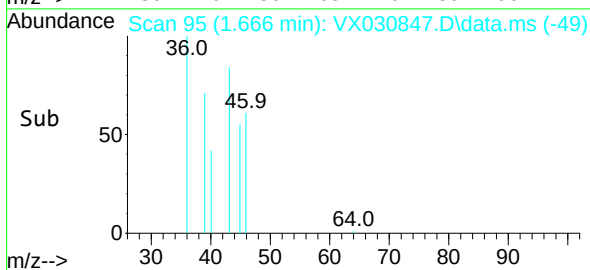
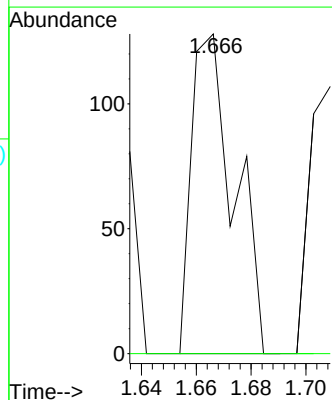
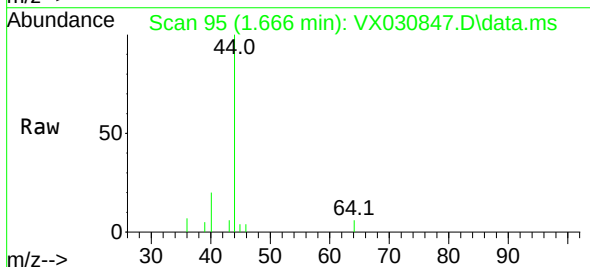
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20220818

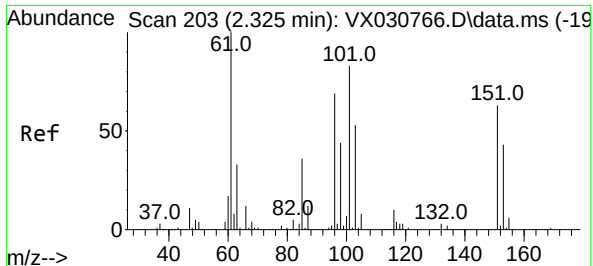
Tgt Ion: 94 Resp: 512
Ion Ratio Lower Upper
94 100
96 80.0 76.9 115.3



#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 95
Delta R.T. -0.019 min
Lab File: VX030847.D
Acq: 27 Aug 2022 05:06

Tgt Ion: 64 Resp: 139
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

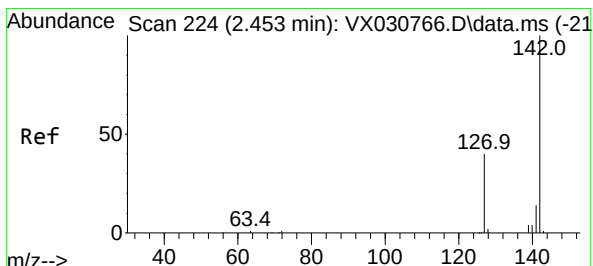
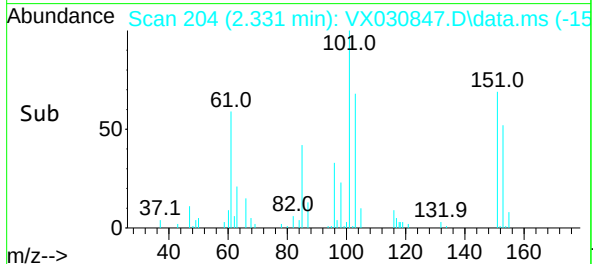
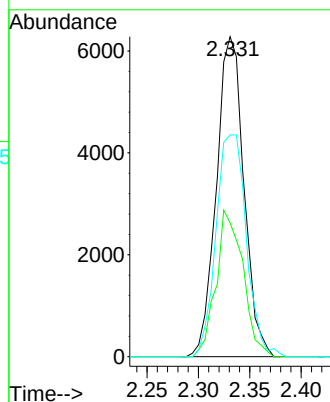
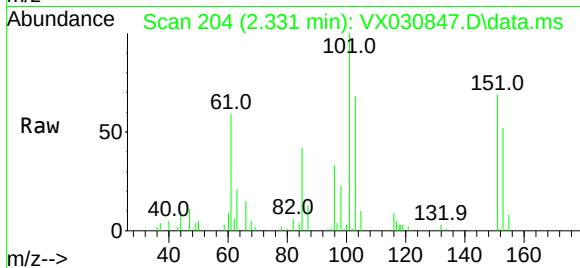




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.238 ug/l
RT: 2.331 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX030847.D
Acq: 27 Aug 2022 05:06

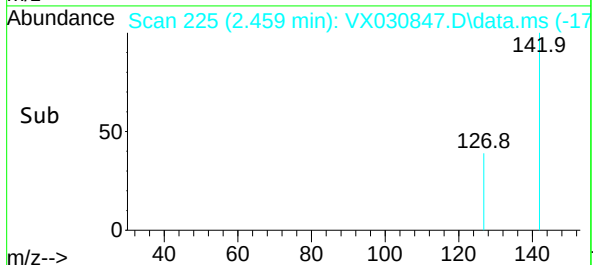
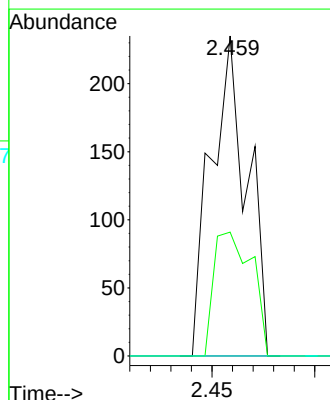
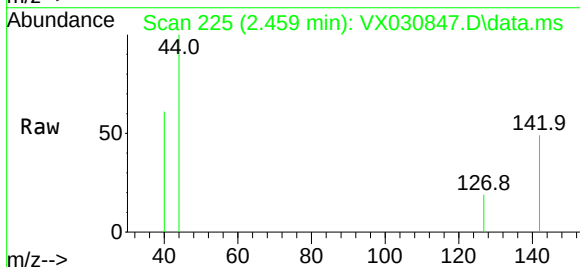
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20220818

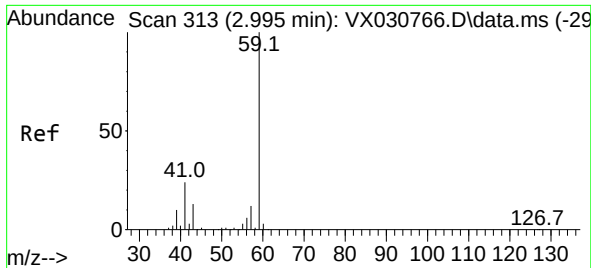
Tgt Ion:101 Resp: 11673
Ion Ratio Lower Upper
101 100
85 44.7 34.0 51.0
151 76.7 59.4 89.0



#10
Methyl Iodide
Concen: 4.171 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX030847.D
Acq: 27 Aug 2022 05:06

Tgt Ion:142 Resp: 287
Ion Ratio Lower Upper
142 100
127 40.8 30.2 45.2
141 0.0 11.3 16.9#

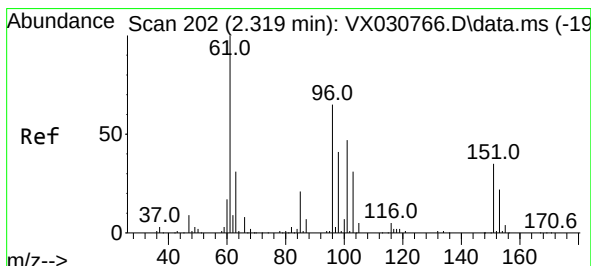
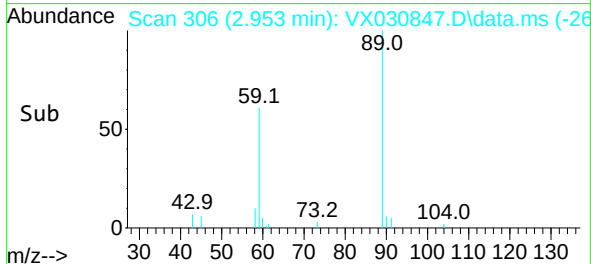
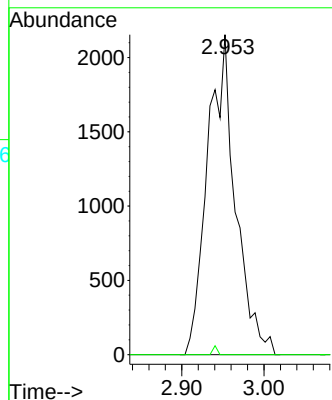
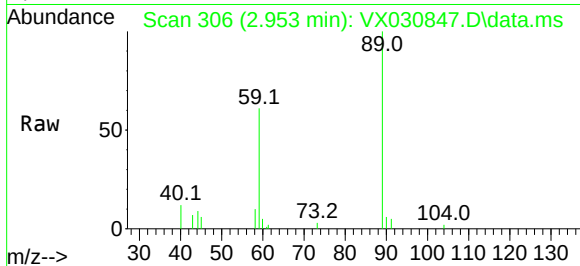




#11
Tert butyl alcohol
Concen: 8.709 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.043 min
Lab File: VX030847.D
Acq: 27 Aug 2022 05:06

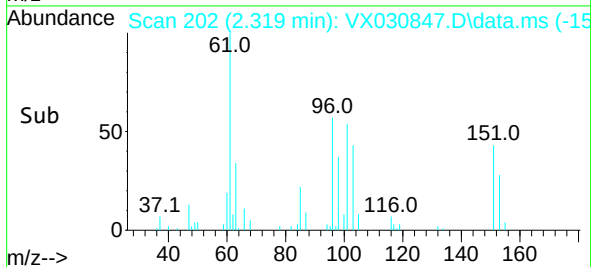
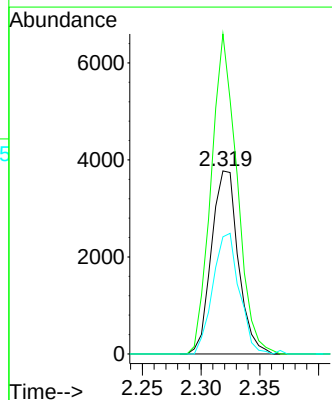
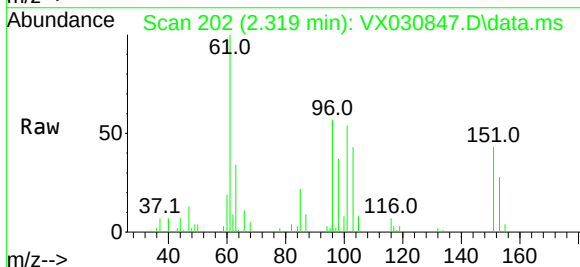
Instrument :
MSVOA_X
ClientSampleId :
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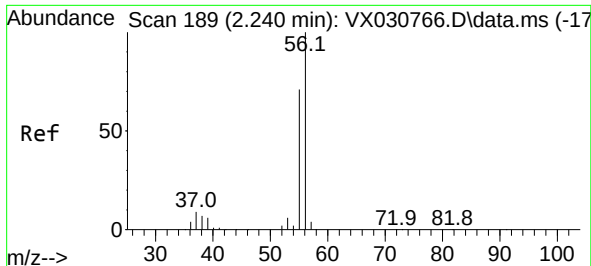
Tgt Ion: 59 Resp: 5089
Ion Ratio Lower Upper
59 100
57 0.4 7.4 11.2#



#12
1,1-Dichloroethene
Concen: 2.893 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX030847.D
Acq: 27 Aug 2022 05:06

Tgt Ion: 96 Resp: 6001
Ion Ratio Lower Upper
96 100
61 174.8 117.4 176.0
98 63.9 52.2 78.4

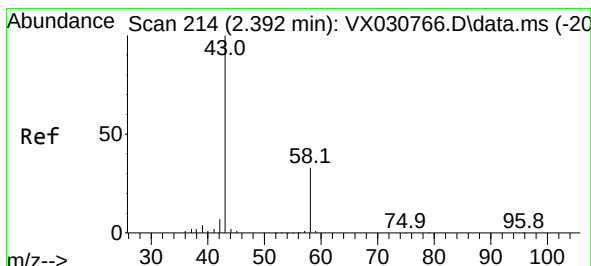
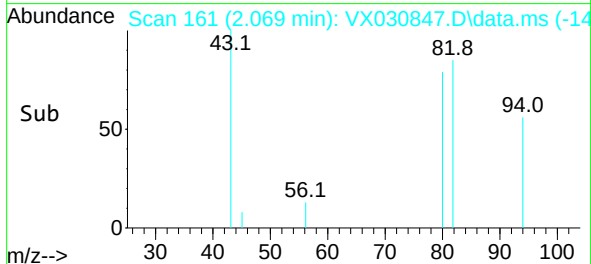
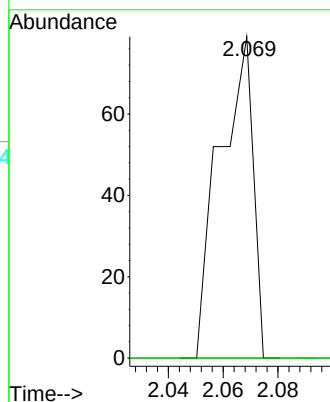
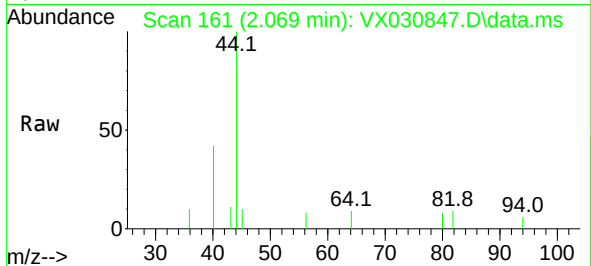




#13
Acrolein
Concen: 10.177 ug/l
RT: 2.069 min Scan# 11
Delta R.T. -0.171 min
Lab File: VX030847.D
Acq: 27 Aug 2022 05:06

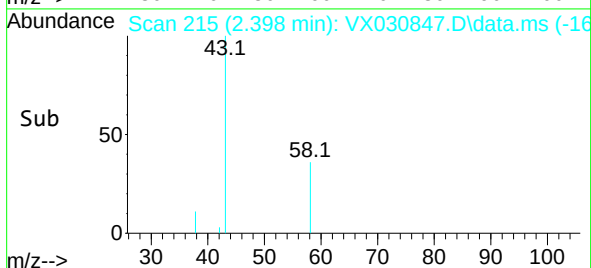
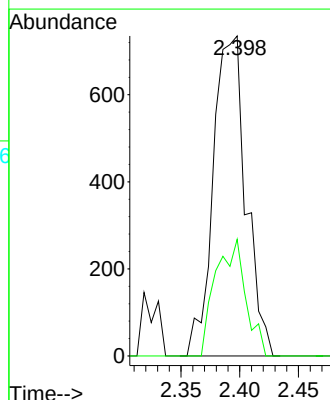
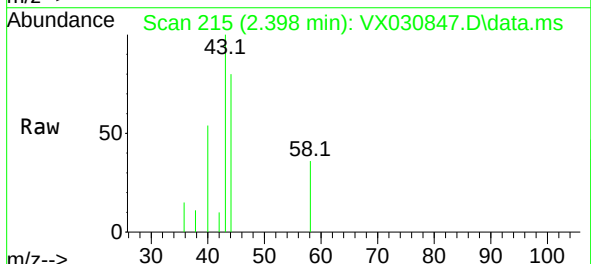
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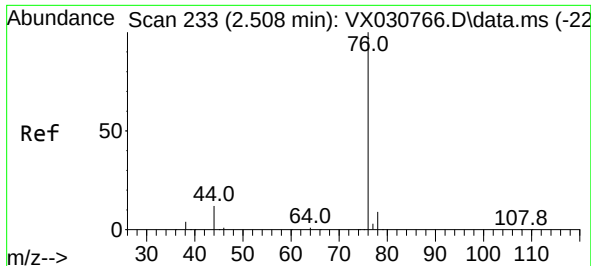
Tgt Ion: 56 Resp: 67
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#16
Acetone
Concen: 1.147 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX030847.D
Acq: 27 Aug 2022 05:06

Tgt Ion: 43 Resp: 1427
Ion Ratio Lower Upper
43 100
58 36.5 27.7 41.5

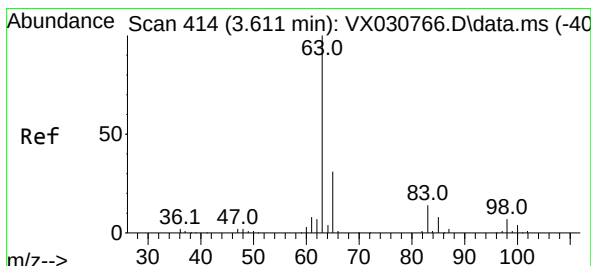
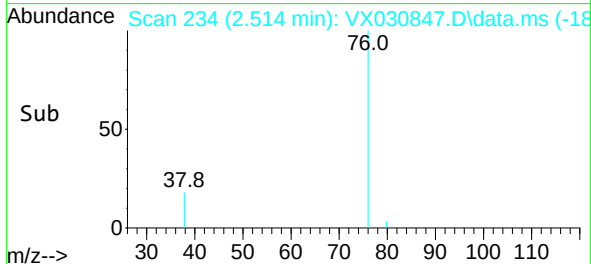
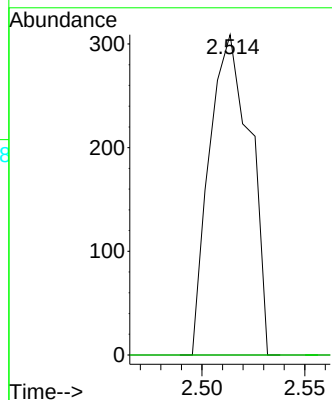
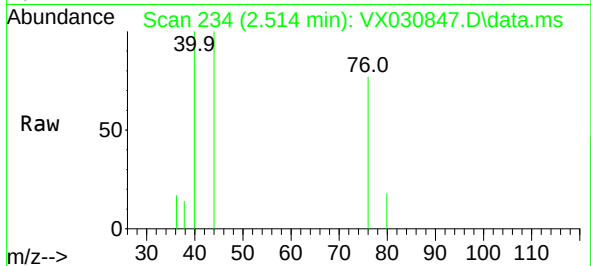




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030847.D
Acq: 27 Aug 2022 05:06

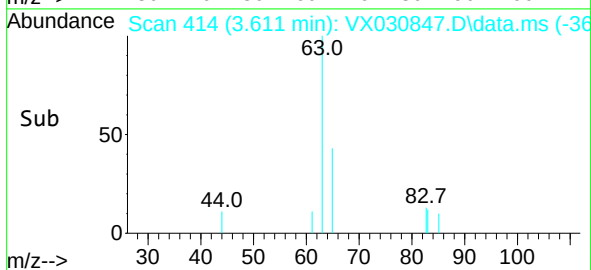
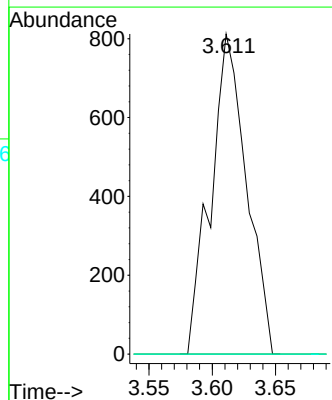
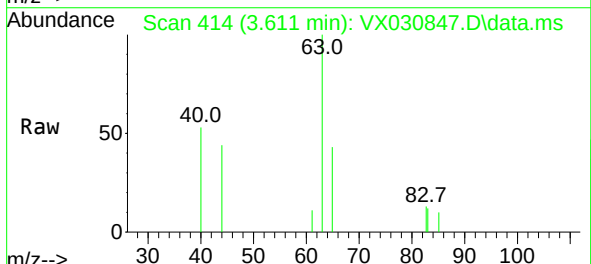
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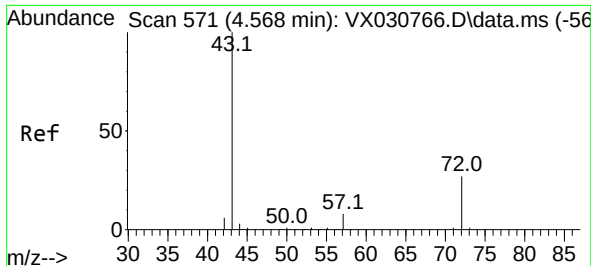
Tgt Ion: 76 Resp: 427
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#24
1,1-Dichloroethane
Concen: 0.366 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX030847.D
Acq: 27 Aug 2022 05:06

Tgt Ion: 63 Resp: 1601
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.5#
100 0.0 2.3 6.9#

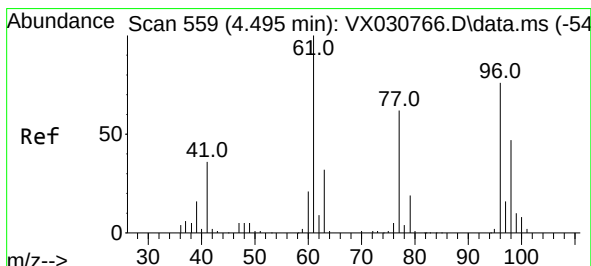
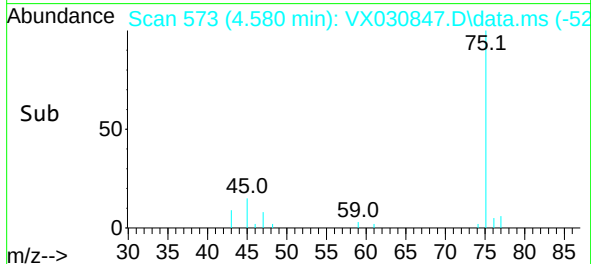
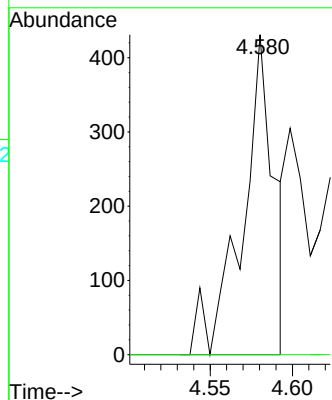
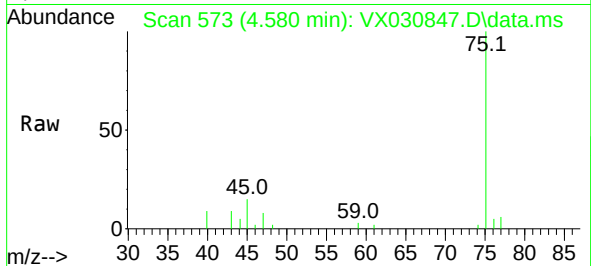




#25
2-Butanone
Concen: 0.289 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX030847.D
Acq: 27 Aug 2022 05:06

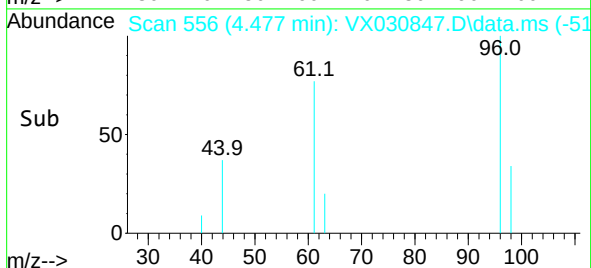
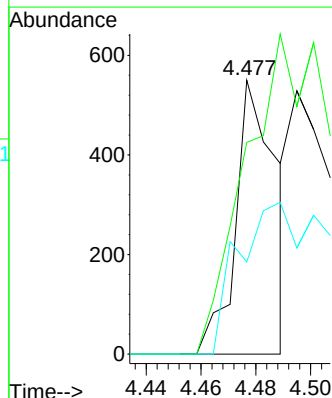
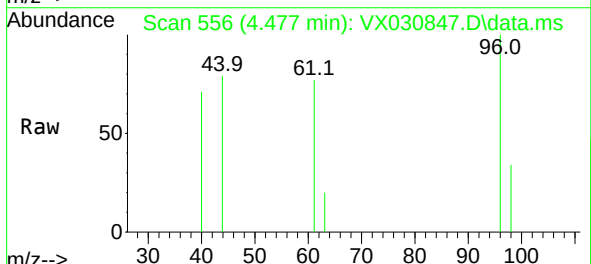
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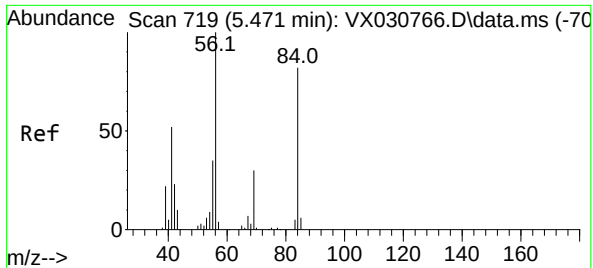
Tgt Ion: 43 Resp: 580
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#27
cis-1,2-Dichloroethene
Concen: 0.205 ug/l
RT: 4.477 min Scan# 556
Delta R.T. -0.018 min
Lab File: VX030847.D
Acq: 27 Aug 2022 05:06

Tgt Ion: 96 Resp: 564
Ion Ratio Lower Upper
96 100
61 337.9 0.0 270.0#
98 78.9 0.0 127.8

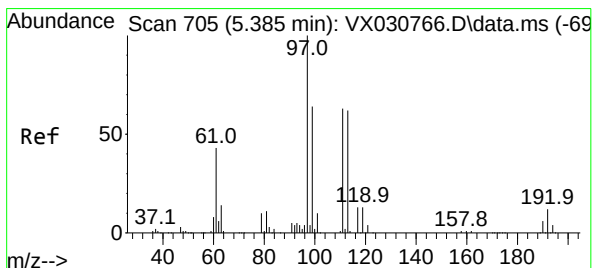
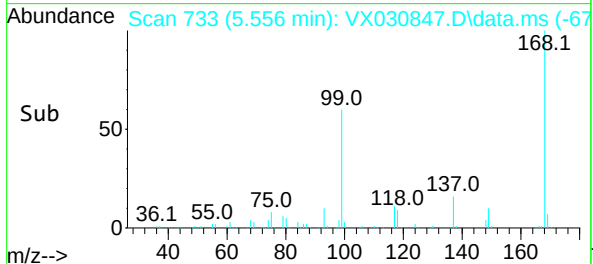
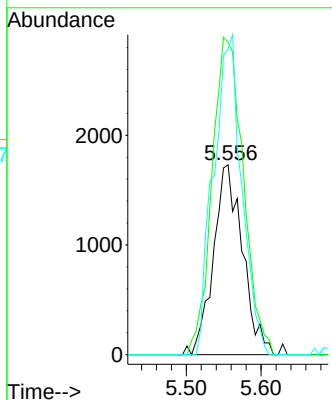
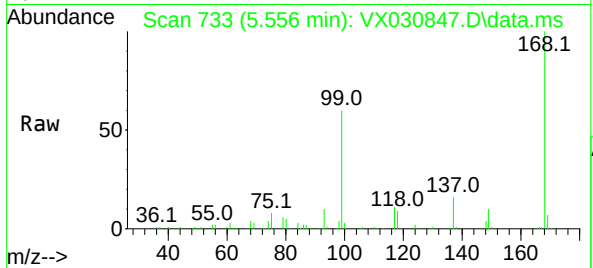




#31
Cyclohexane
Concen: 1.363 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX030847.D
Acq: 27 Aug 2022 05:06

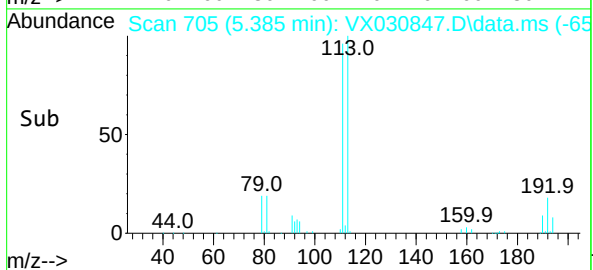
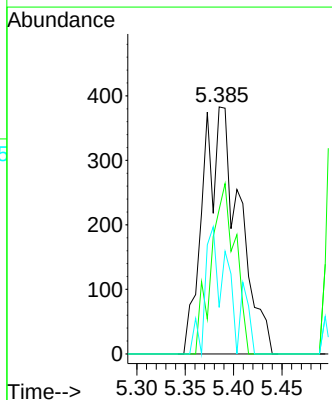
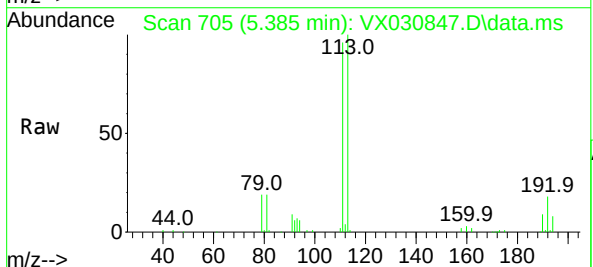
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20220818

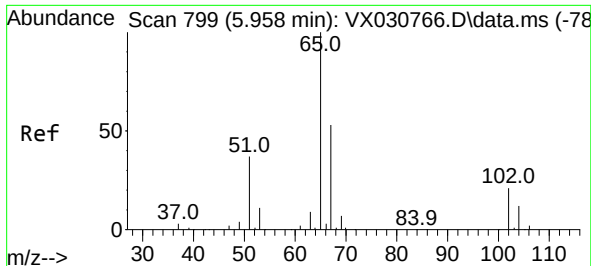
Tgt Ion: 56 Resp: 4691
Ion Ratio Lower Upper
56 100
69 164.5 25.4 38.0#
84 161.1 68.9 103.3#



#32
1,1,1-Trichloroethane
Concen: 0.269 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX030847.D
Acq: 27 Aug 2022 05:06

Tgt Ion: 97 Resp: 1002
Ion Ratio Lower Upper
97 100
99 0.0 51.4 77.0#
61 28.3 35.8 53.8#





#33

1,2-Dichloroethane-d4

Concen: 54.227 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX030847.D

Acq: 27 Aug 2022 05:06

Instrument :

MSVOA_X

ClientSampleId :

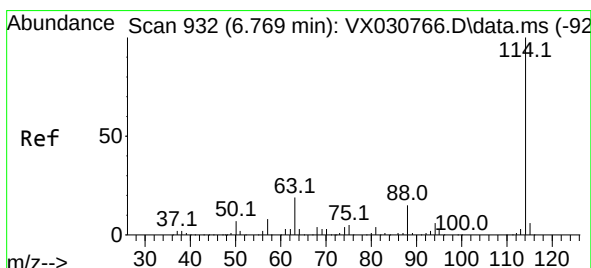
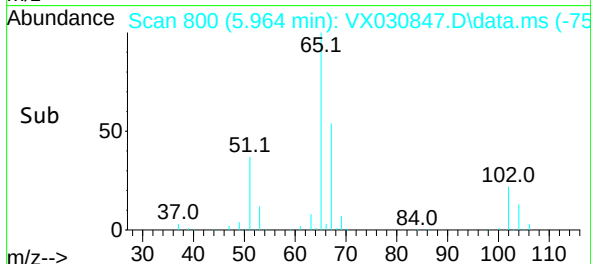
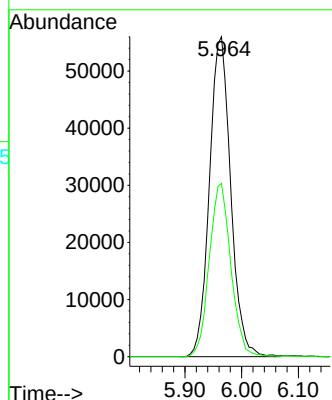
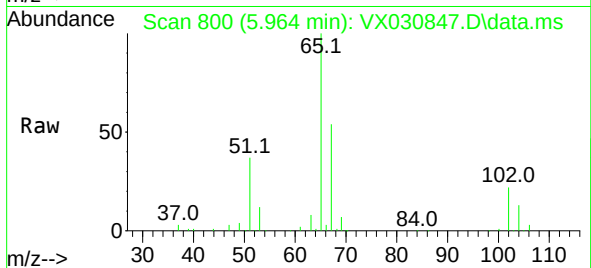
RE115D2-20220818

Tgt Ion: 65 Resp: 145964

Ion Ratio Lower Upper

65 100

67 54.9 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX030847.D

Acq: 27 Aug 2022 05:06

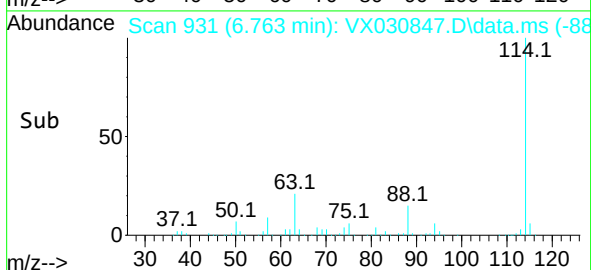
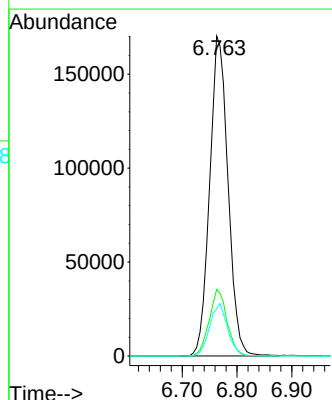
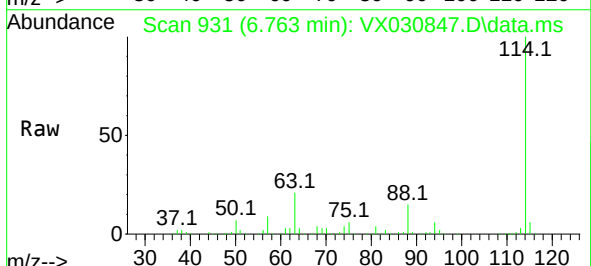
Tgt Ion: 114 Resp: 394473

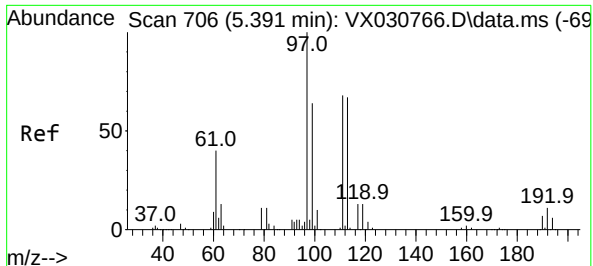
Ion Ratio Lower Upper

114 100

63 20.8 0.0 38.4

88 14.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.768 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030847.D

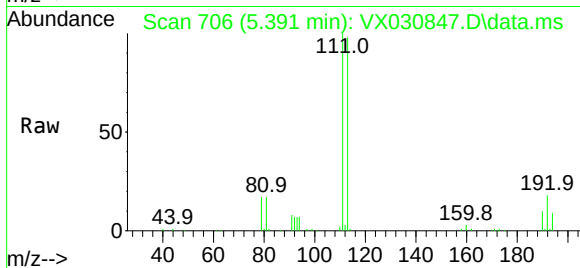
Acq: 27 Aug 2022 05:06

Instrument :

MSVOA_X

ClientSampleId :

RE115D2-20220818



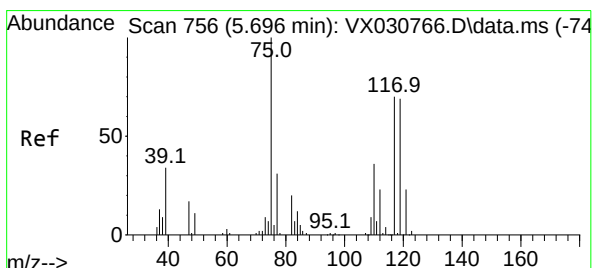
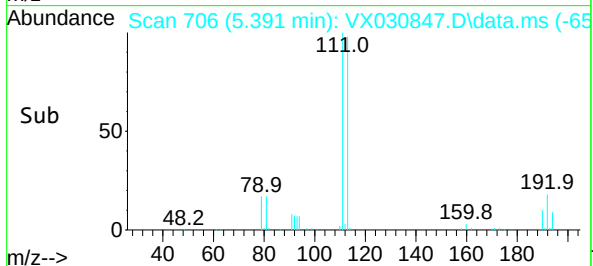
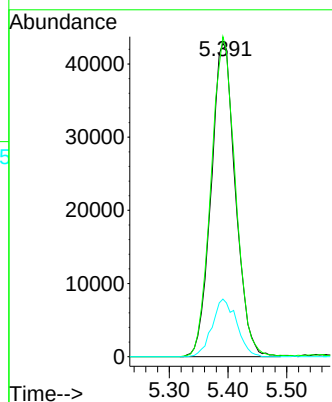
Tgt Ion:113 Resp: 123079

Ion Ratio Lower Upper

113 100

111 102.4 83.2 124.8

192 18.6 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.727 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX030847.D

Acq: 27 Aug 2022 05:06

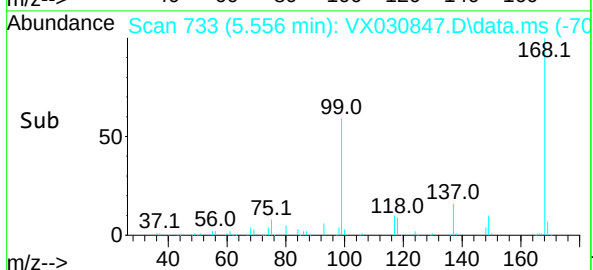
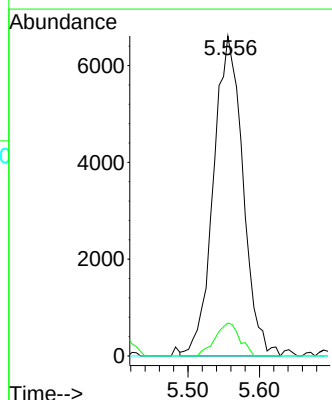
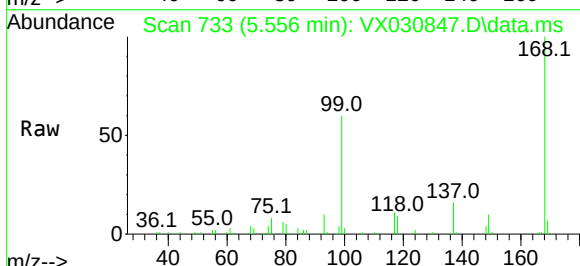
Tgt Ion: 75 Resp: 18908

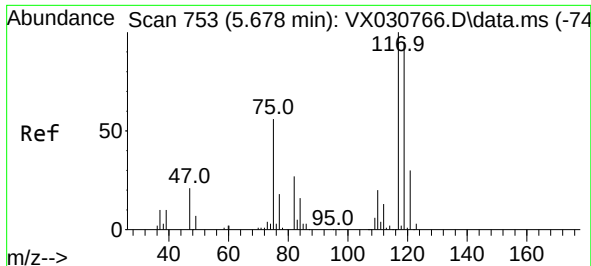
Ion Ratio Lower Upper

75 100

110 8.6 19.3 57.9#

77 0.0 24.4 36.6#

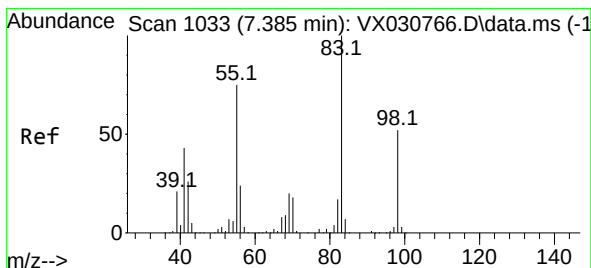
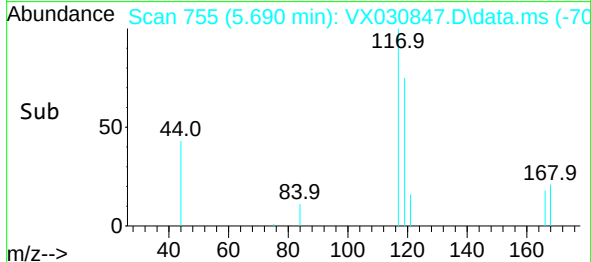
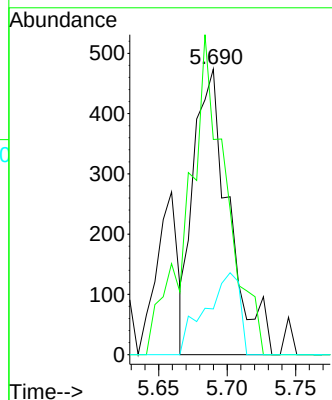
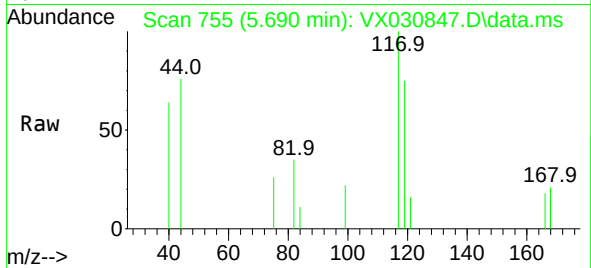




#38
Carbon Tetrachloride
Concen: 0.245 ug/l
RT: 5.690 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX030847.D
Acq: 27 Aug 2022 05:06

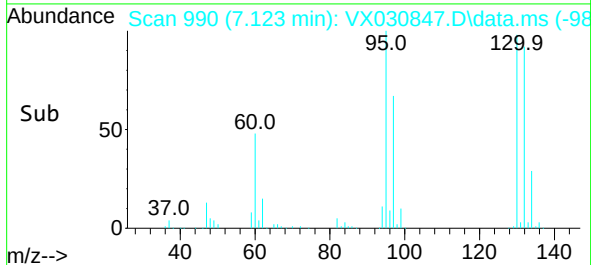
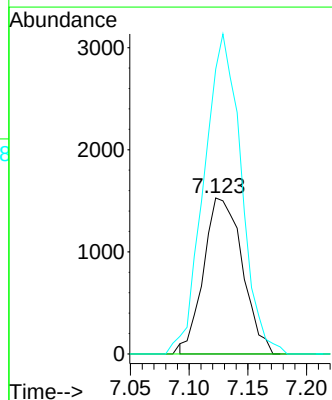
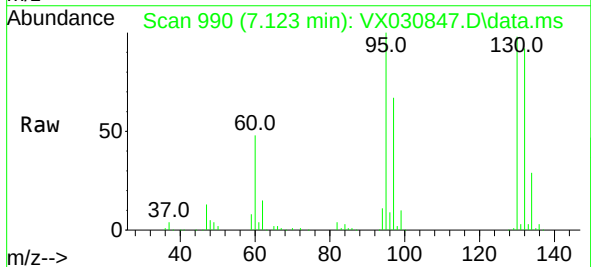
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20220818

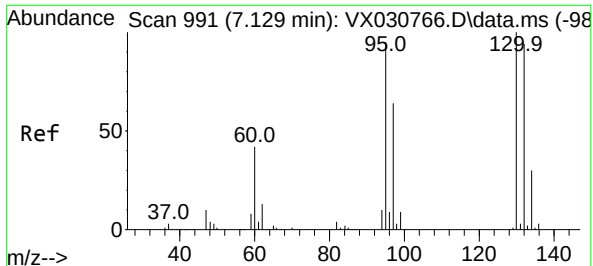
Tgt Ion:117 Resp: 853
Ion Ratio Lower Upper
117 100
119 75.3 74.1 111.1
121 16.0 25.8 38.8#



#39
Methylcyclohexane
Concen: 0.882 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX030847.D
Acq: 27 Aug 2022 05:06

Tgt Ion: 83 Resp: 3483
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 178.1 36.5 54.7#

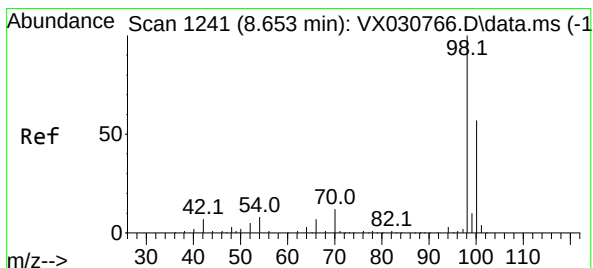
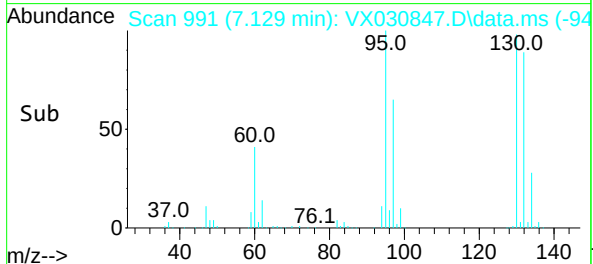
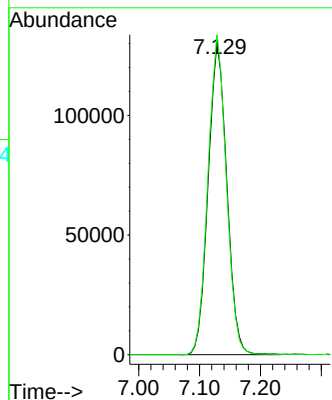
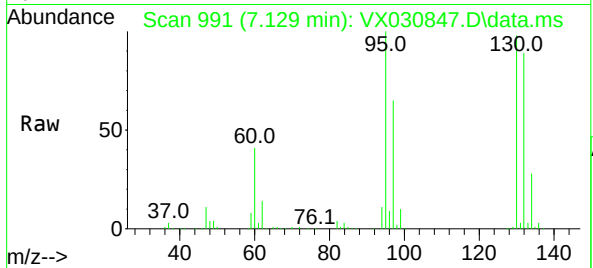




#44
Trichloroethene
Concen: 97.383 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030847.D
Acq: 27 Aug 2022 05:06

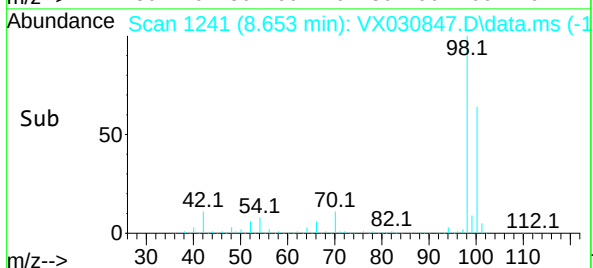
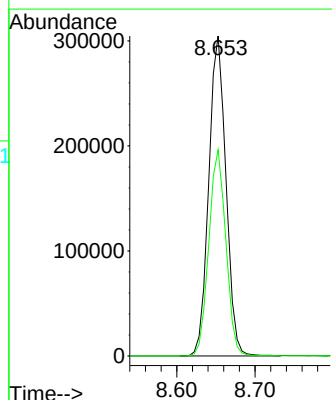
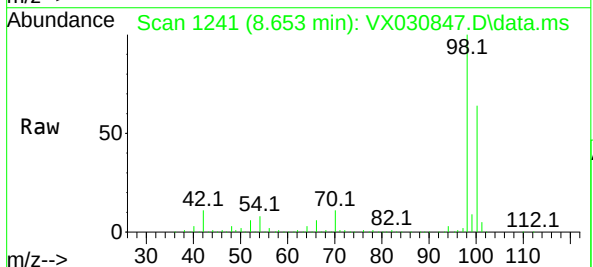
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20220818

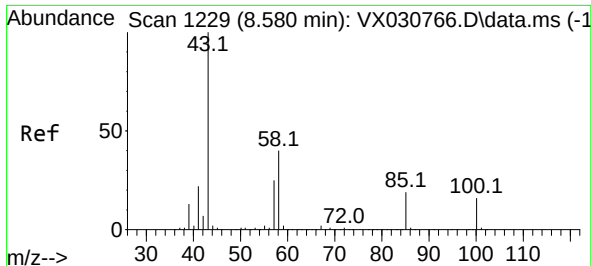
Tgt Ion:130 Resp: 277885
Ion Ratio Lower Upper
130 100
95 102.4 0.0 194.8



#50
Toluene-d8
Concen: 54.889 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX030847.D
Acq: 27 Aug 2022 05:06

Tgt Ion: 98 Resp: 463710
Ion Ratio Lower Upper
98 100
100 64.0 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 0.457 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX030847.D

Acq: 27 Aug 2022 05:06

Instrument :

MSVOA_X

ClientSampleId :

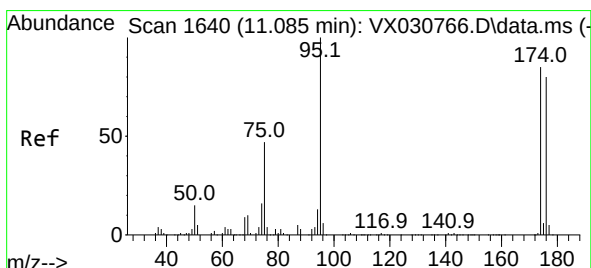
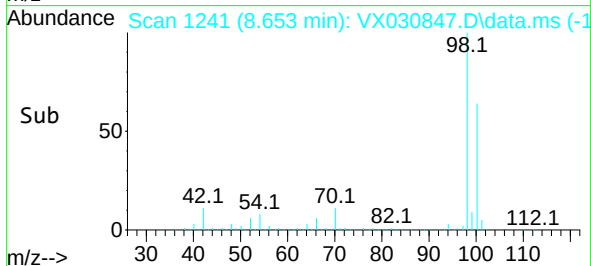
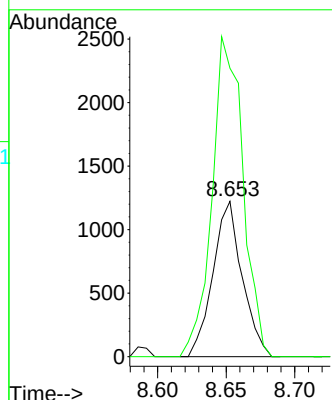
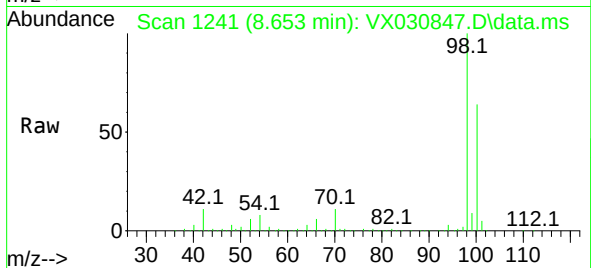
RE115D2-20220818

Tgt Ion: 43 Resp: 1815

Ion Ratio Lower Upper

43 100

58 217.7 31.4 47.2#



#62

4-Bromofluorobenzene

Concen: 49.937 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX030847.D

Acq: 27 Aug 2022 05:06

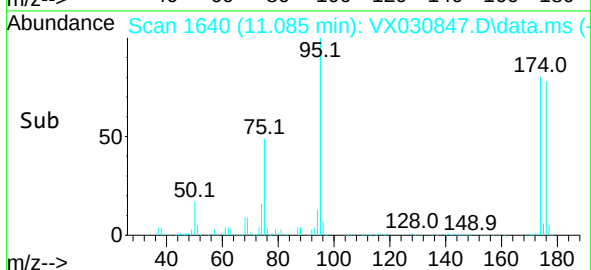
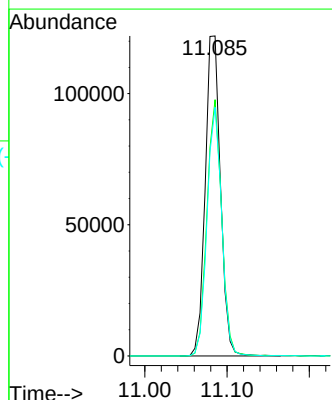
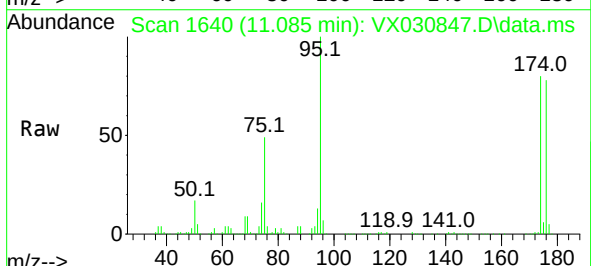
Tgt Ion: 95 Resp: 157062

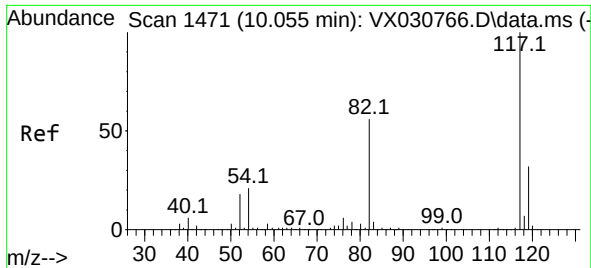
Ion Ratio Lower Upper

95 100

174 77.6 0.0 149.0

176 74.9 0.0 146.0

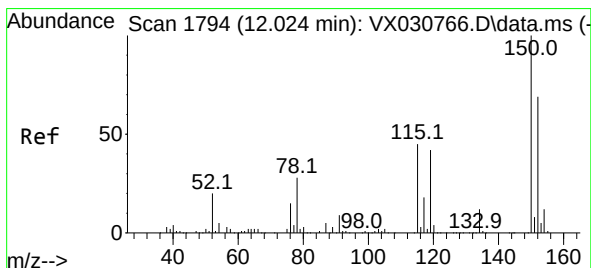
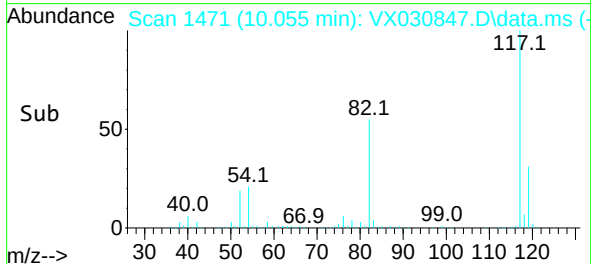
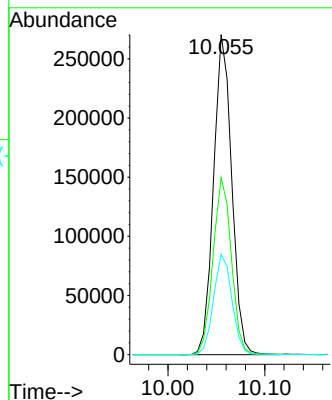
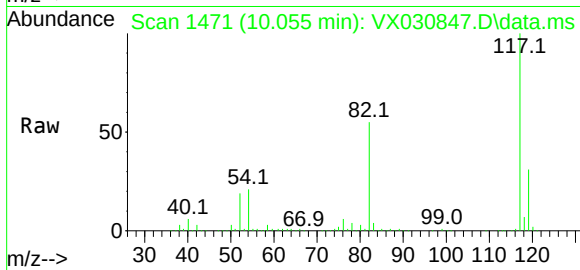




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030847.D
Acq: 27 Aug 2022 05:06

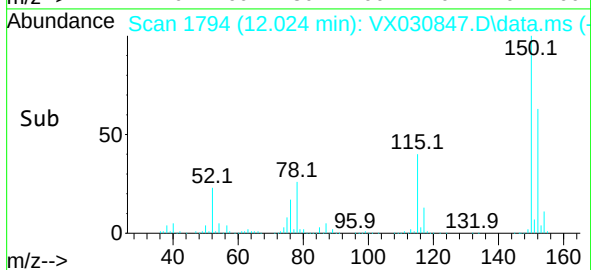
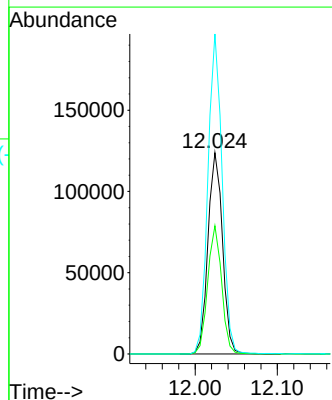
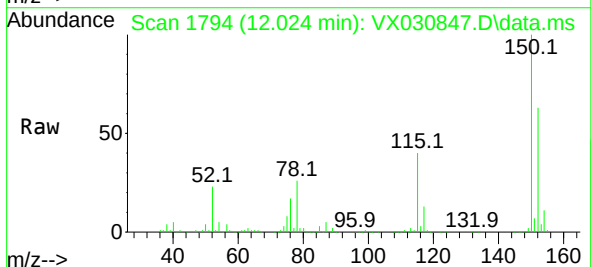
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20220818

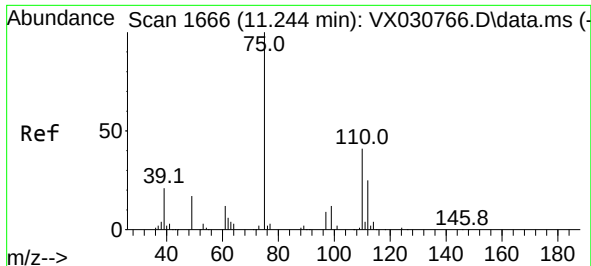
Tgt Ion:117 Resp: 353159
Ion Ratio Lower Upper
117 100
82 55.4 42.7 64.1
119 31.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030847.D
Acq: 27 Aug 2022 05:06

Tgt Ion:152 Resp: 152449
Ion Ratio Lower Upper
152 100
115 61.0 40.5 121.5
150 154.8 0.0 347.0

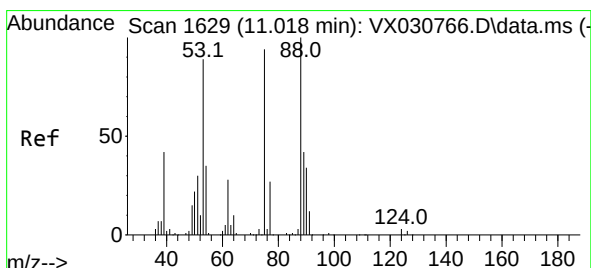
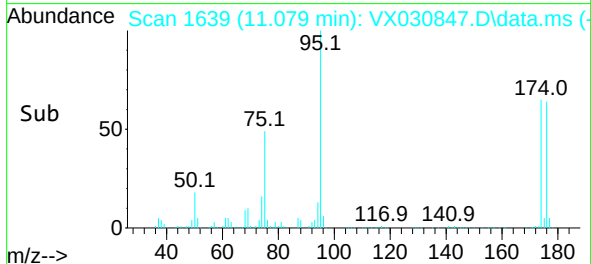
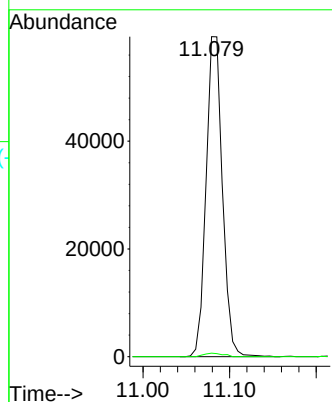
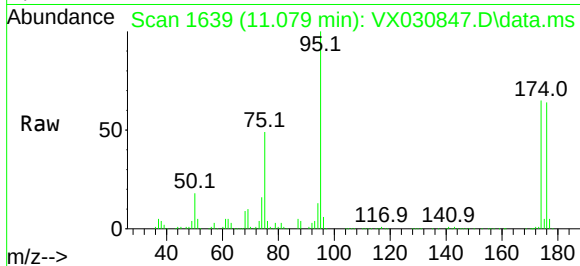




#76
1,2,3-Trichloropropane
Concen: 23.291 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX030847.D
Acq: 27 Aug 2022 05:06

Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20220818

Tgt Ion: 75 Resp: 77790
Ion Ratio Lower Upper
75 100
77 1.3 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.146 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX030847.D
Acq: 27 Aug 2022 05:06

Tgt Ion: 75 Resp: 77790
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.1 34.8 52.2#

