

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033022\
 Data File : VX027803.D
 Acq On : 30 Mar 2022 12:20
 Operator : JC/MD
 Sample : N2041-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D2-20220317

Quant Time: Mar 31 05:47:14 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)

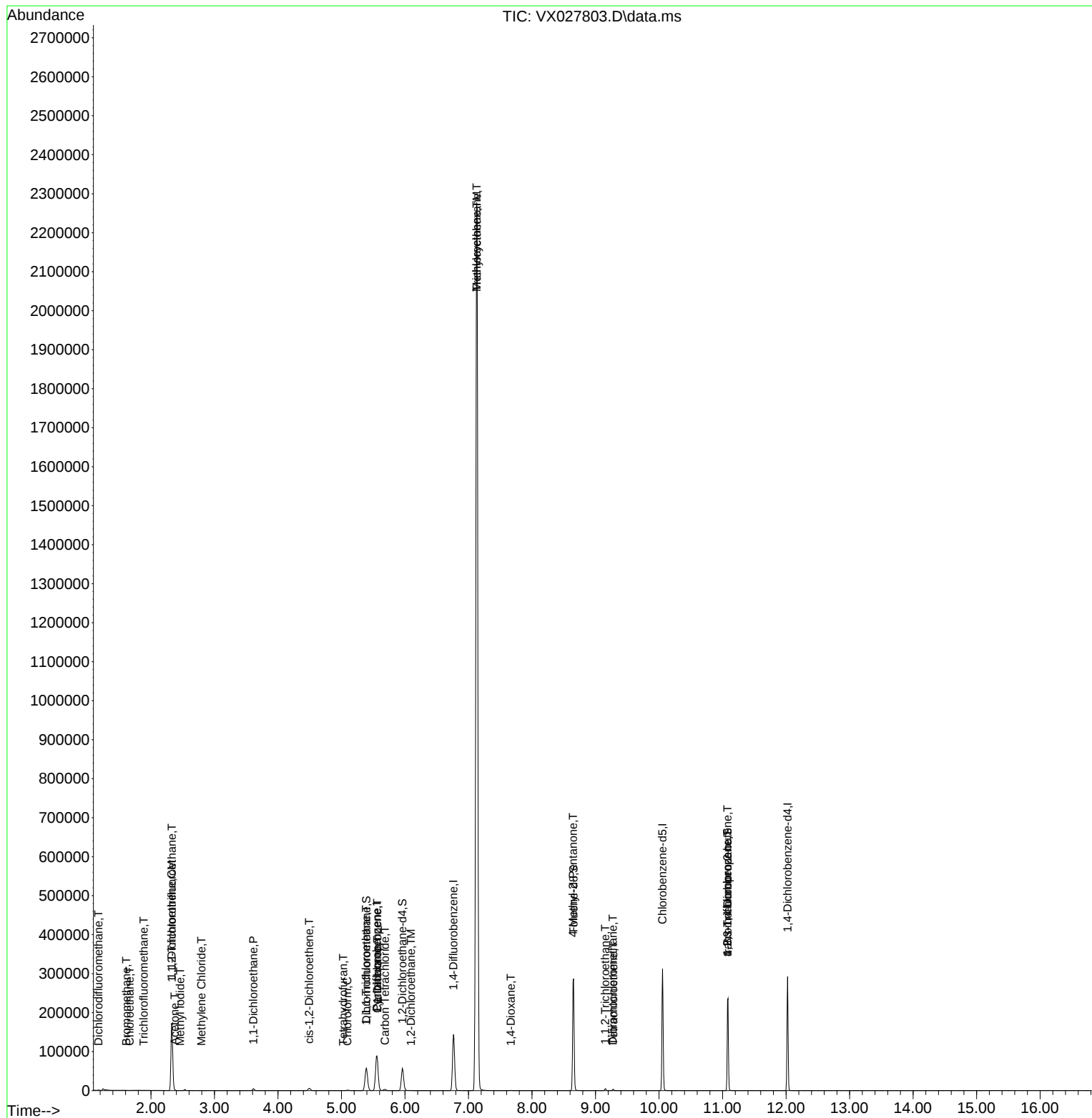
Internal Standards						
1) Pentafluorobenzene	5.556	168	85779	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	148755	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	124800	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	52215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	55603	50.238	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.480%	
35) Dibromofluoromethane	5.391	113	48245	50.246	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 100.500%	
50) Toluene-d8	8.653	98	168274	49.810	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 99.620%	
62) 4-Bromofluorobenzene	11.079	95	64664	45.041	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 90.080%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	339	0.436	ug/l #	69
5) Bromomethane	1.611	94	175	0.551	ug/l #	68
6) Chloroethane	1.666	64	355	0.748	ug/l #	43
7) Trichlorofluoromethane	1.886	101	312	0.252	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	45107	56.159	ug/l	97
10) Methyl Iodide	2.459	142	270	0.289	ug/l #	63
12) 1,1-Dichloroethene	2.325	96	24993	33.914	ug/l	95
16) Acetone	2.374	43	920	1.878	ug/l	88
20) Methylene Chloride	2.794	84	212	0.241	ug/l #	49
24) 1,1-Dichloroethane	3.611	63	5241	3.436	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	4008	4.155	ug/l	90
29) Tetrahydrofuran	5.025	42	259	0.566	ug/l #	47
30) Chloroform	5.093	83	2049	1.208	ug/l #	81
31) Cyclohexane	5.562	56	1771	1.448	ug/l #	18
32) 1,1,1-Trichloroethane	5.385	97	2717	1.852	ug/l	96
36) 1,1-Dichloropropene	5.562	75	6606	5.462	ug/l #	49
38) Carbon Tetrachloride	5.684	117	3203	2.397	ug/l	92
39) Methylcyclohexane	7.129	83	10531	7.400	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	723	0.494	ug/l #	73
44) Trichloroethene	7.129	130	899251	902.885	ug/l	94
49) 1,4-Dioxane	7.665	88	453	18.222	ug/l #	91
51) 4-Methyl-2-Pentanone	8.647	43	879	0.528	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	1353	1.321	ug/l	92
60) Dibromochloromethane	9.275	129	540	0.509	ug/l #	9
64) Tetrachloroethene	9.281	164	622	0.735	ug/l #	83
76) 1,2,3-Trichloropropane	11.079	75	36996	30.204	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	36996	87.953	ug/l #	15

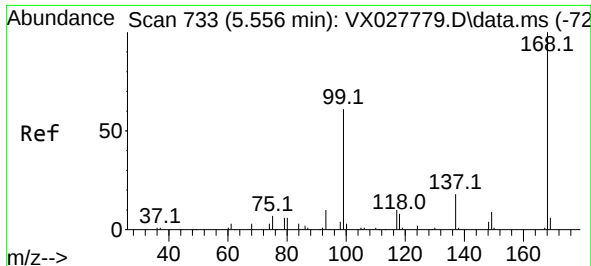
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033022\
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QLast Update : Wed Mar 30 04:39:27 2022
Response via : Initial Calibration

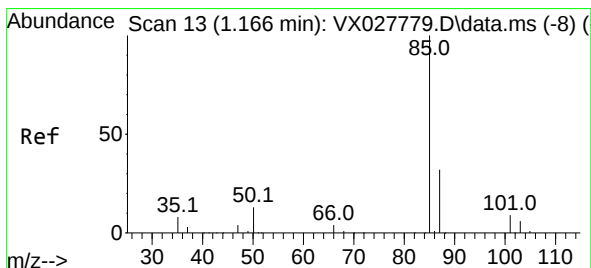
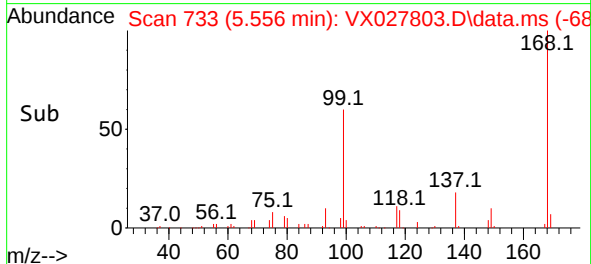
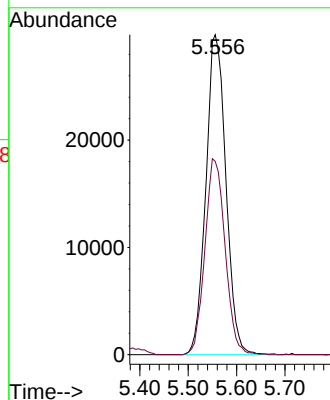
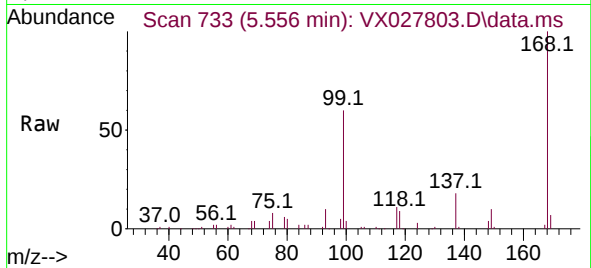




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027803.D
Acq: 30 Mar 2022 12:20

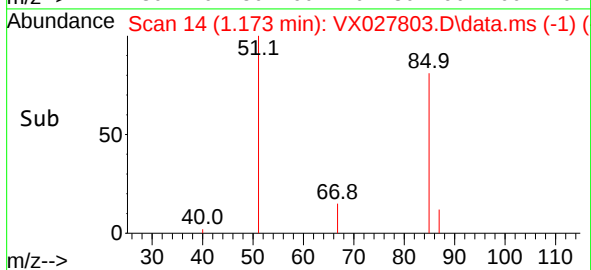
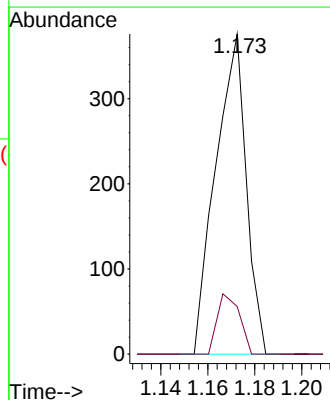
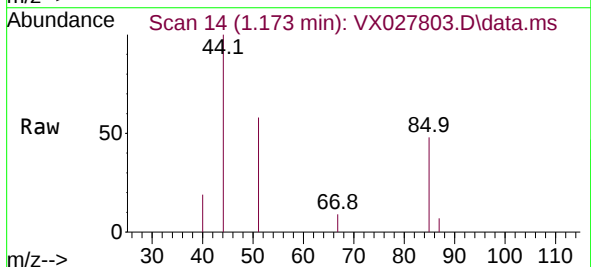
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20220317

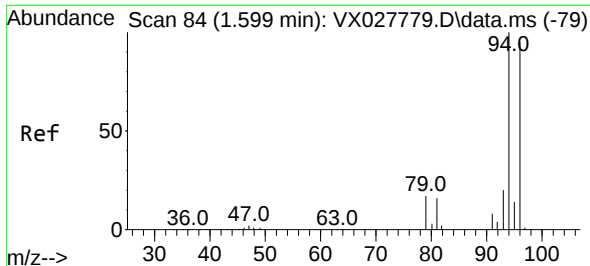
Tgt Ion:168 Resp: 85779
Ion Ratio Lower Upper
168 100
99 60.4 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 0.436 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.007 min
Lab File: VX027803.D
Acq: 30 Mar 2022 12:20

Tgt Ion: 85 Resp: 339
Ion Ratio Lower Upper
85 100
87 14.9 16.2 48.6#

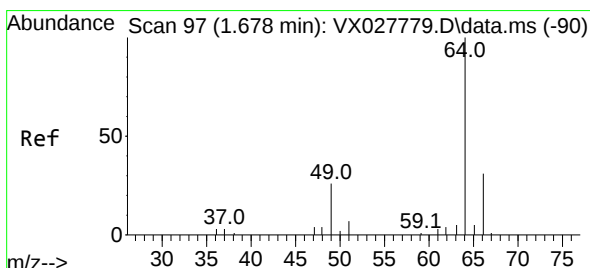
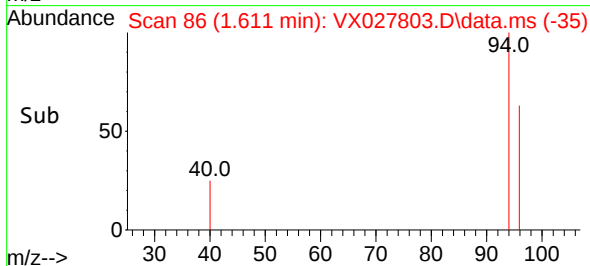
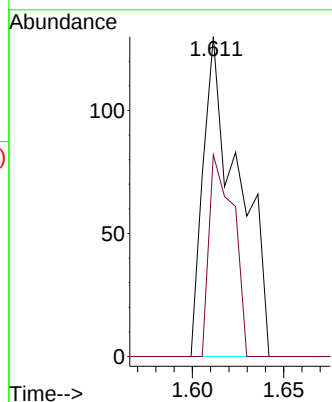
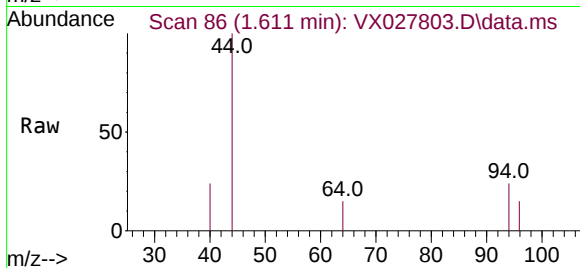




#5
Bromomethane
Concen: 0.551 ug/l
RT: 1.611 min Scan# 84
Delta R.T. 0.012 min
Lab File: VX027803.D
Acq: 30 Mar 2022 12:20

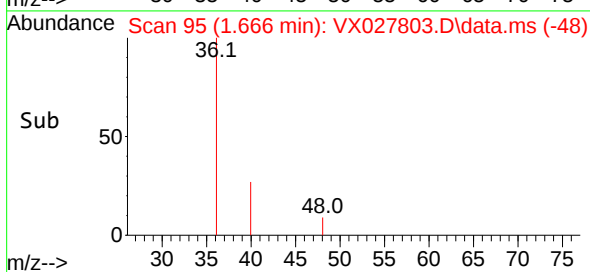
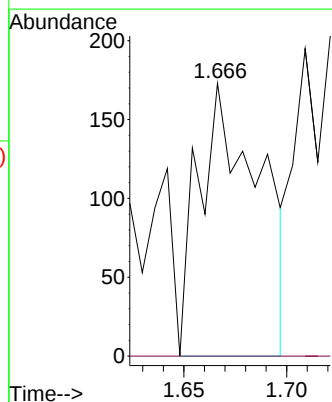
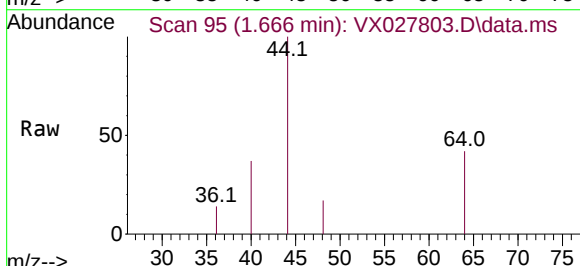
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20220317

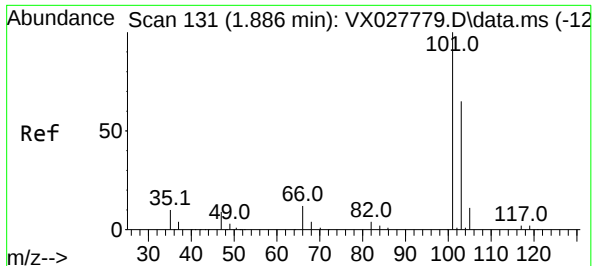
Tgt Ion: 94 Resp: 175
Ion Ratio Lower Upper
94 100
96 63.1 75.3 112.9#



#6
Chloroethane
Concen: 0.748 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.012 min
Lab File: VX027803.D
Acq: 30 Mar 2022 12:20

Tgt Ion: 64 Resp: 355
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

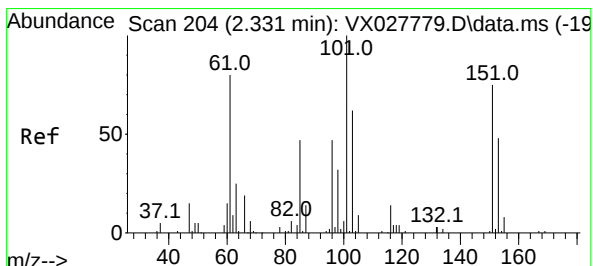
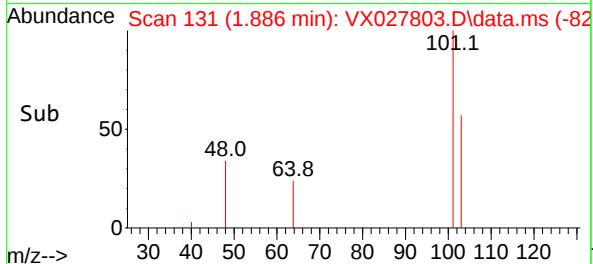
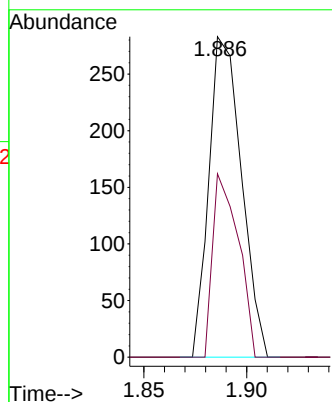
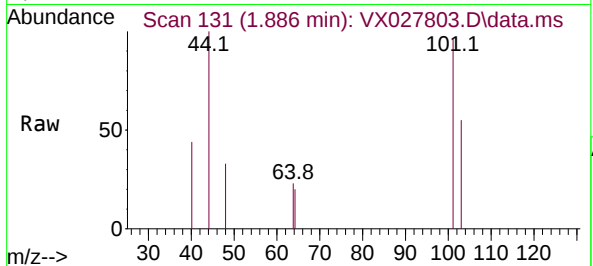




#7
 Trichlorofluoromethane
 Concen: 0.252 ug/l
 RT: 1.886 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX027803.D
 Acq: 30 Mar 2022 12:20

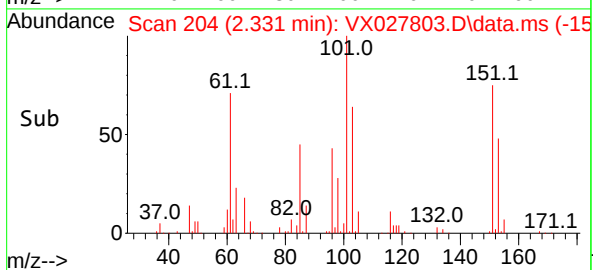
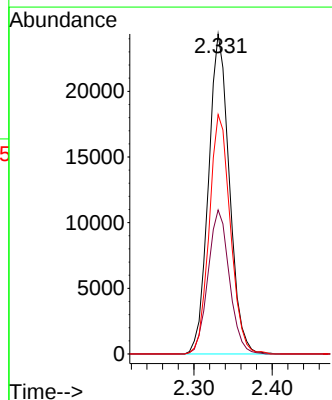
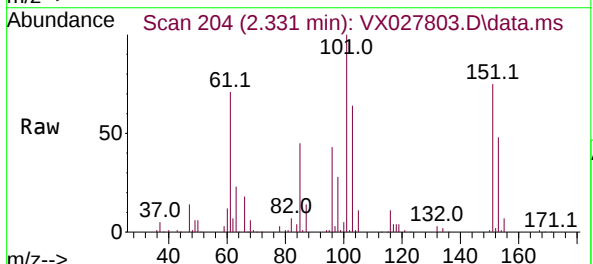
Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D2-20220317

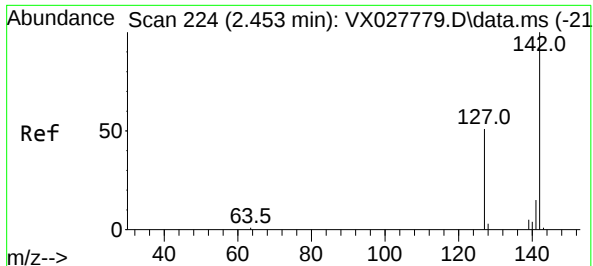
Tgt Ion:101 Resp: 312
 Ion Ratio Lower Upper
 101 100
 103 57.2 50.5 75.7



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 56.159 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. -0.000 min
 Lab File: VX027803.D
 Acq: 30 Mar 2022 12:20

Tgt Ion:101 Resp: 45107
 Ion Ratio Lower Upper
 101 100
 85 45.9 33.5 50.3
 151 75.6 61.8 92.6

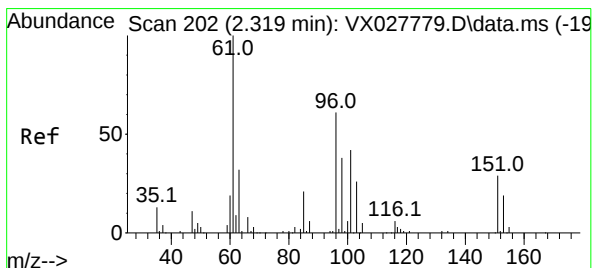
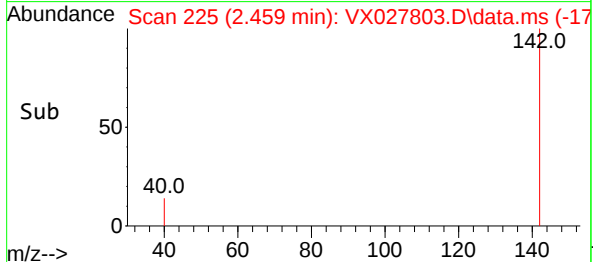
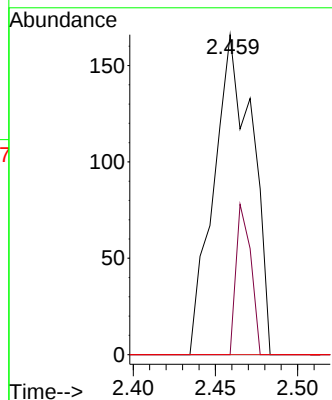
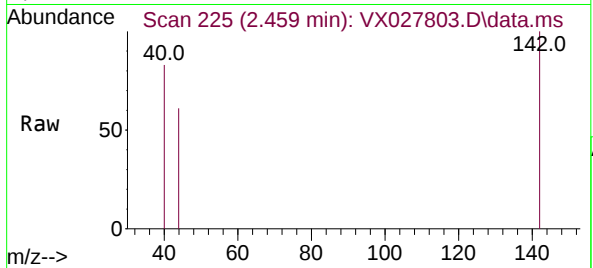




#10
Methyl Iodide
Concen: 0.289 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX027803.D
Acq: 30 Mar 2022 12:20

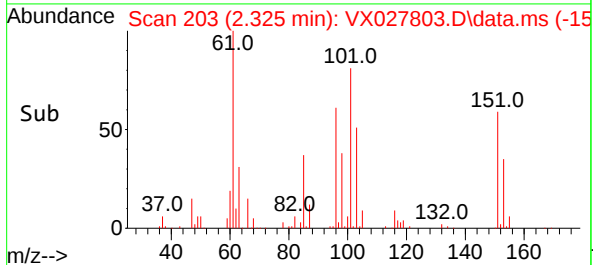
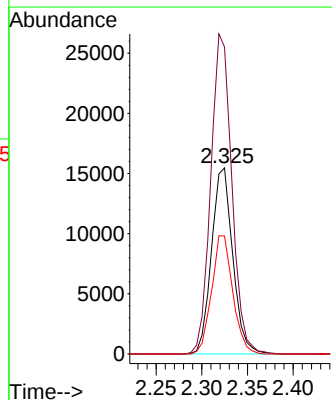
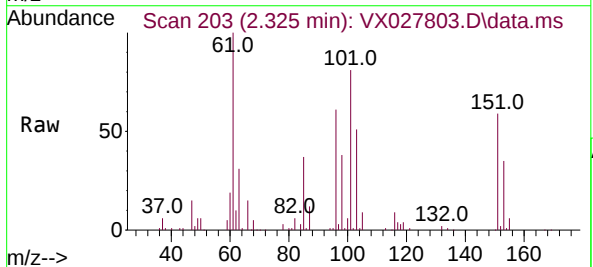
Instrument :
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ClientSampleId :
RE115D2-20220317

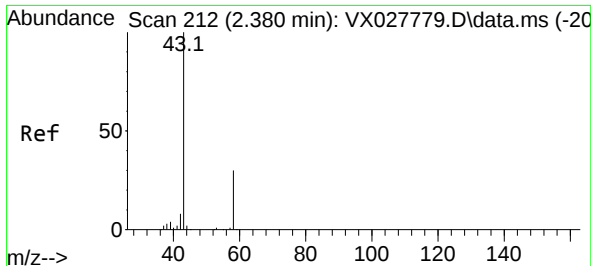
Tgt Ion:142 Resp: 270
Ion Ratio Lower Upper
142 100
127 18.1 33.9 50.9#
141 0.0 11.4 17.2#



#12
1,1-Dichloroethene
Concen: 33.914 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX027803.D
Acq: 30 Mar 2022 12:20

Tgt Ion: 96 Resp: 24993
Ion Ratio Lower Upper
96 100
61 165.0 124.6 187.0
98 63.4 51.0 76.4





#16

Acetone

Concen: 1.878 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.006 min

Lab File: VX027803.D

Acq: 30 Mar 2022 12:20

Instrument :

MSVOA_X

ClientSampleId :

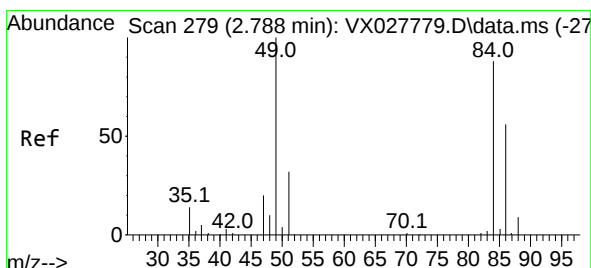
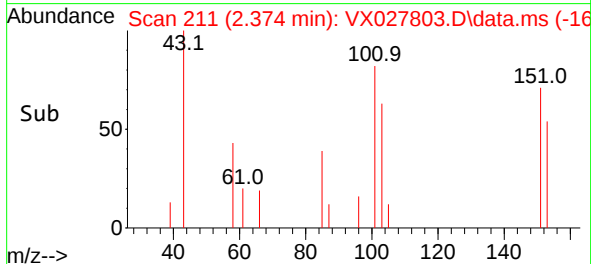
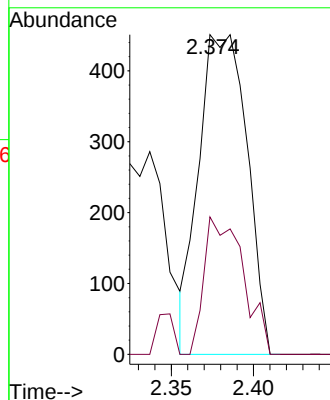
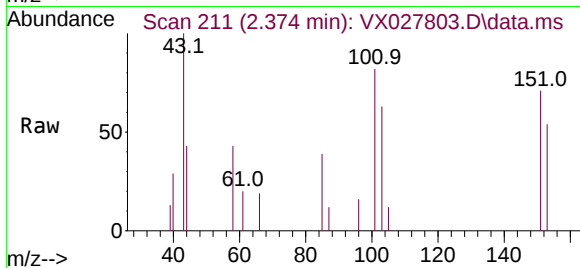
RE115D2-20220317

Tgt Ion: 43 Resp: 920

Ion Ratio Lower Upper

43 100

58 43.0 28.8 43.2



#20

Methylene Chloride

Concen: 0.241 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX027803.D

Acq: 30 Mar 2022 12:20

Tgt Ion: 84 Resp: 212

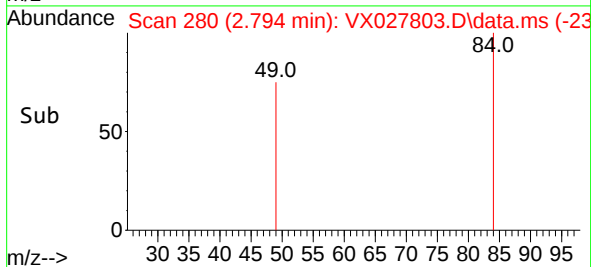
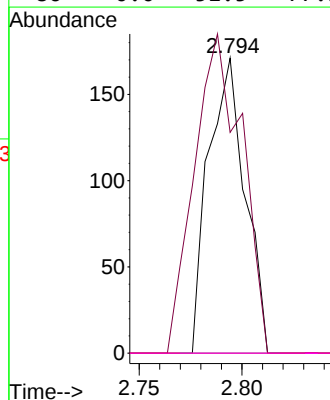
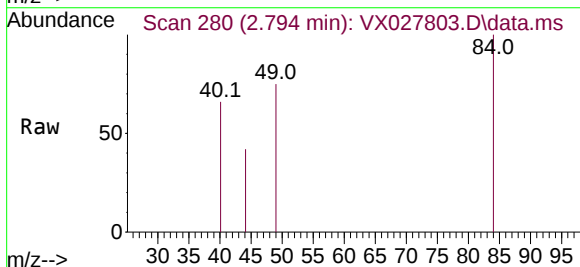
Ion Ratio Lower Upper

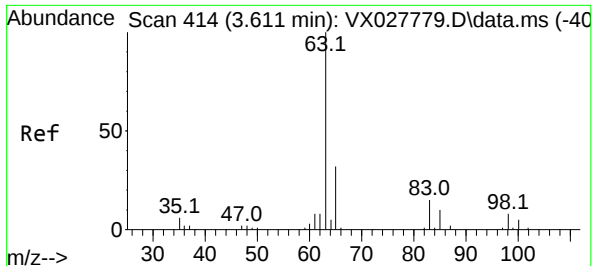
84 100

49 74.9 85.5 128.3#

51 0.0 26.6 39.8#

86 0.0 51.5 77.3#

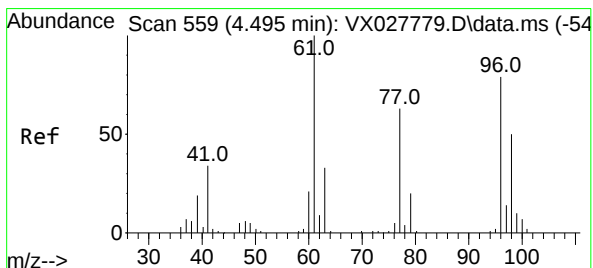
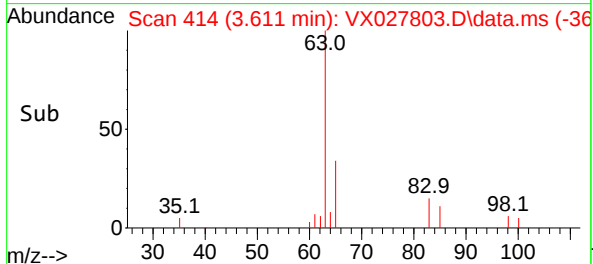
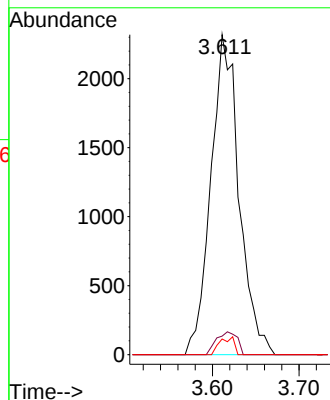
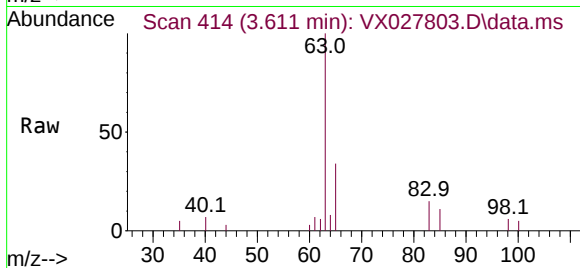




#24
 1,1-Dichloroethane
 Concen: 3.436 ug/l
 RT: 3.611 min Scan# 414
 Delta R.T. 0.000 min
 Lab File: VX027803.D
 Acq: 30 Mar 2022 12:20

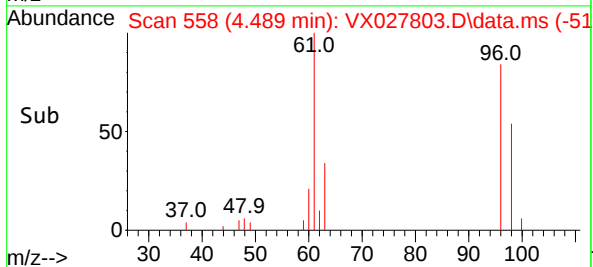
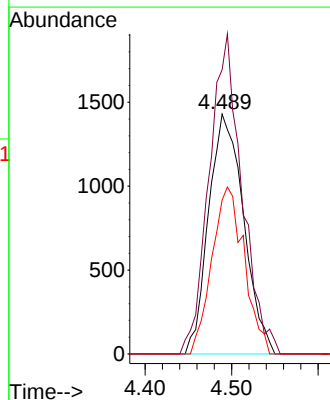
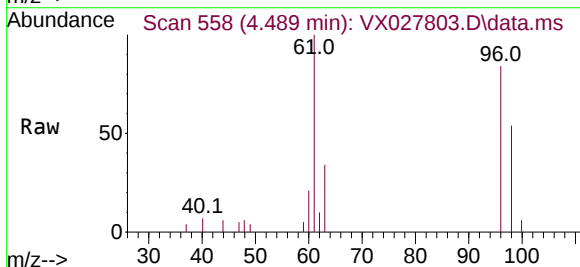
Instrument :
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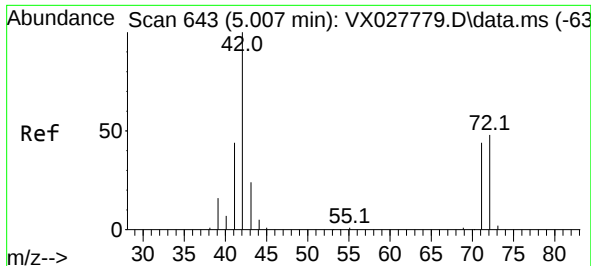
Tgt Ion: 63 Resp: 5241
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.9 11.7
 100 4.9 2.4 7.2



#27
 cis-1,2-Dichloroethene
 Concen: 4.155 ug/l
 RT: 4.489 min Scan# 558
 Delta R.T. -0.006 min
 Lab File: VX027803.D
 Acq: 30 Mar 2022 12:20

Tgt Ion: 96 Resp: 4008
 Ion Ratio Lower Upper
 96 100
 61 125.0 0.0 283.8
 98 64.3 0.0 129.8





#29

Tetrahydrofuran

Concen: 0.566 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX027803.D

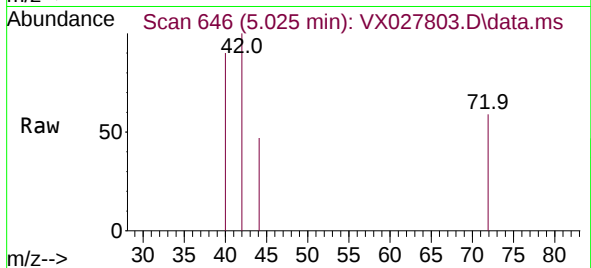
Acq: 30 Mar 2022 12:20

Instrument :

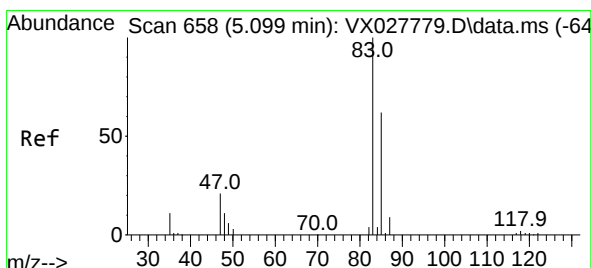
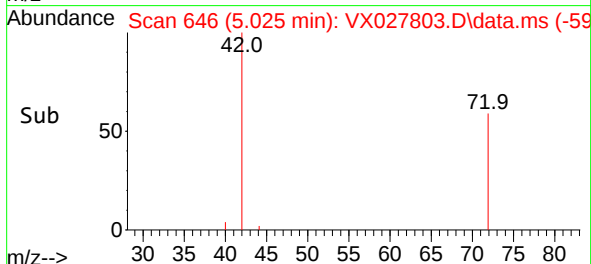
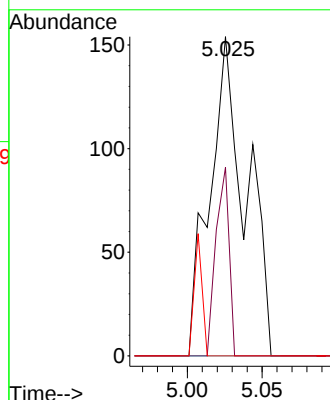
MSVOA_X

ClientSampleId :

RE115D2-20220317



Tgt Ion:	42	Resp:	259
Ion	Ratio	Lower	Upper
42	100		
72	21.6	44.1	66.1#
71	8.5	40.5	60.7#



#30

Chloroform

Concen: 1.208 ug/l

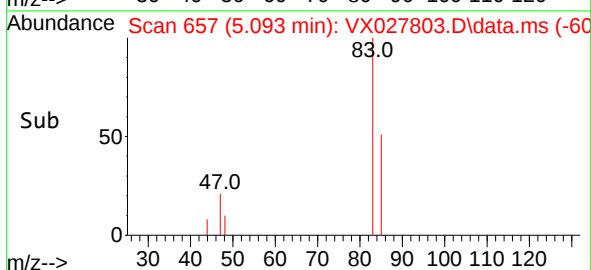
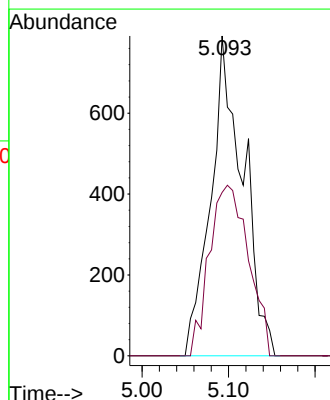
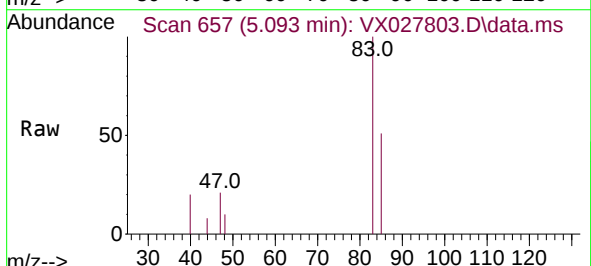
RT: 5.093 min Scan# 657

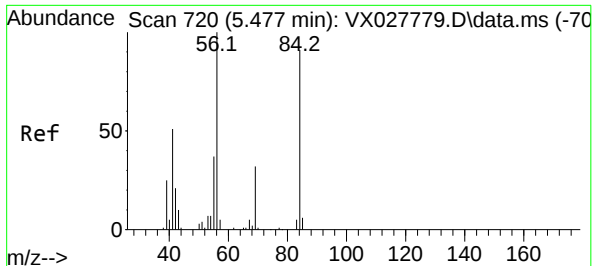
Delta R.T. -0.006 min

Lab File: VX027803.D

Acq: 30 Mar 2022 12:20

Tgt Ion:	83	Resp:	2049
Ion	Ratio	Lower	Upper
83	100		
85	51.1	52.7	79.1#

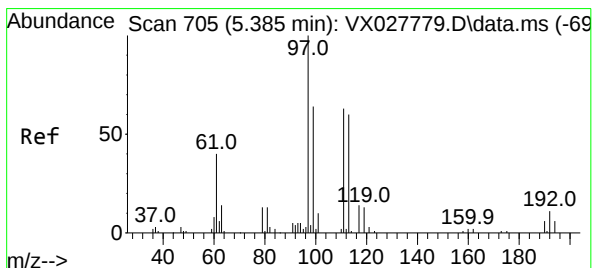
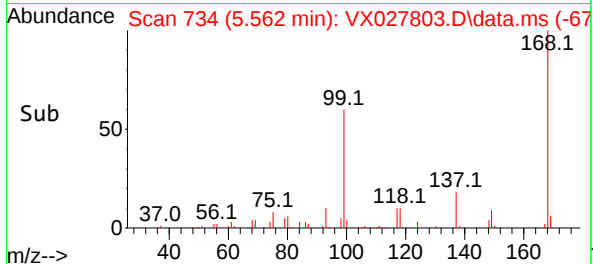
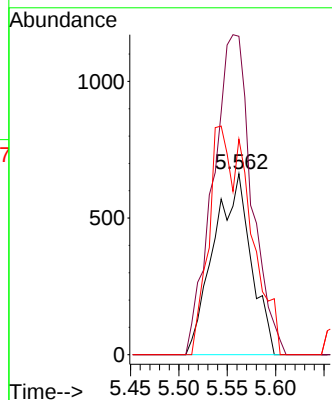
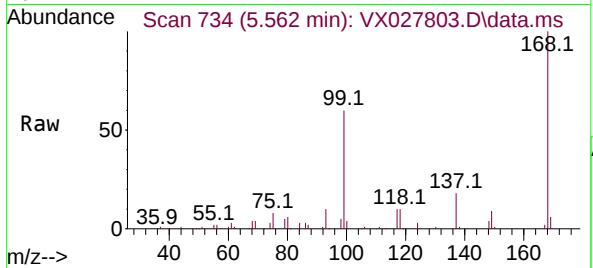




#31
Cyclohexane
Concen: 1.448 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.085 min
Lab File: VX027803.D
Acq: 30 Mar 2022 12:20

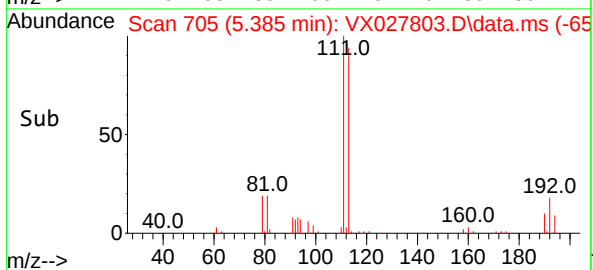
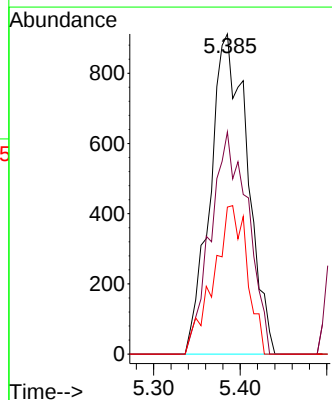
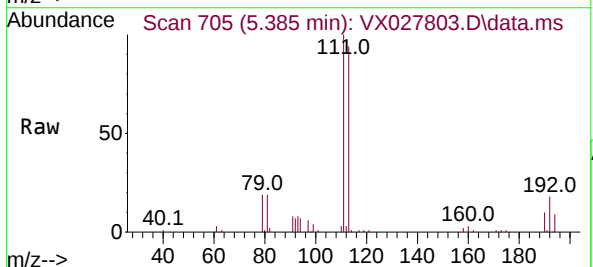
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20220317

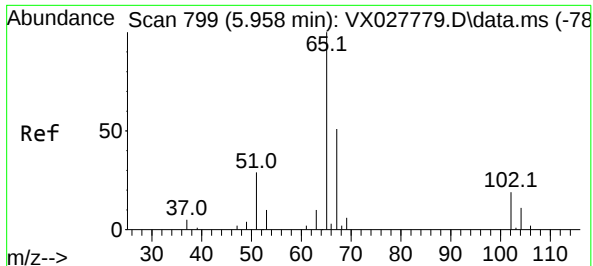
Tgt Ion: 56 Resp: 1771
Ion Ratio Lower Upper
56 100
69 176.0 26.7 40.1#
84 119.2 77.2 115.8#



#32
1,1,1-Trichloroethane
Concen: 1.852 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX027803.D
Acq: 30 Mar 2022 12:20

Tgt Ion: 97 Resp: 2717
Ion Ratio Lower Upper
97 100
99 69.7 51.8 77.6
61 42.2 34.0 51.0





#33

1,2-Dichloroethane-d4

Concen: 50.238 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027803.D

Acq: 30 Mar 2022 12:20

Instrument :

MSVOA_X

ClientSampleId :

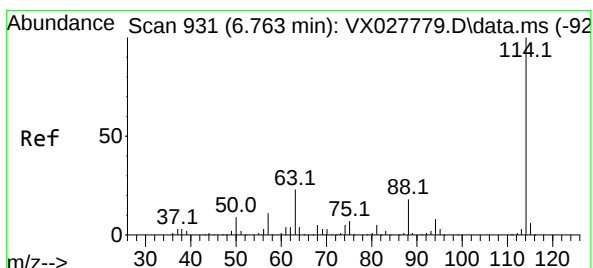
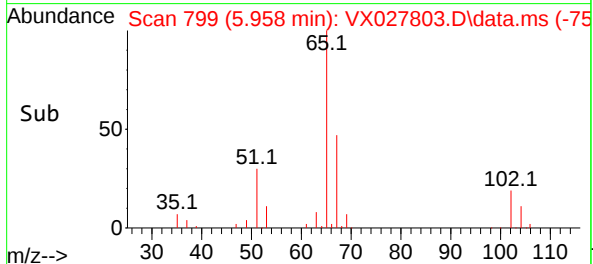
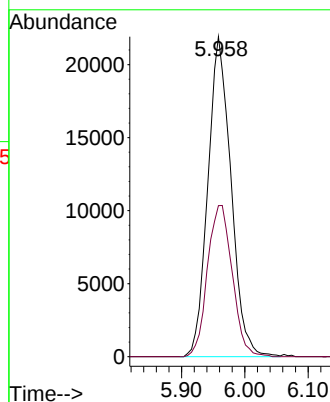
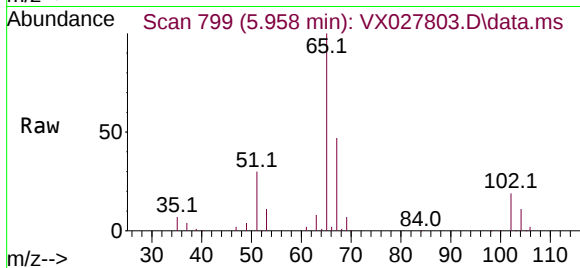
RE115D2-20220317

Tgt Ion: 65 Resp: 55603

Ion Ratio Lower Upper

65 100

67 50.6 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX027803.D

Acq: 30 Mar 2022 12:20

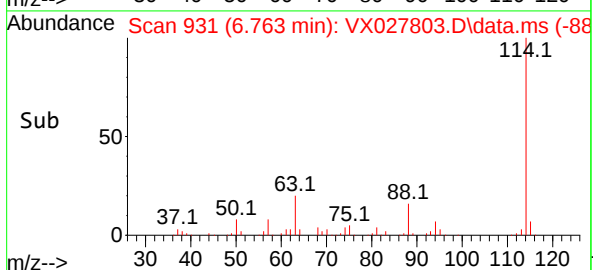
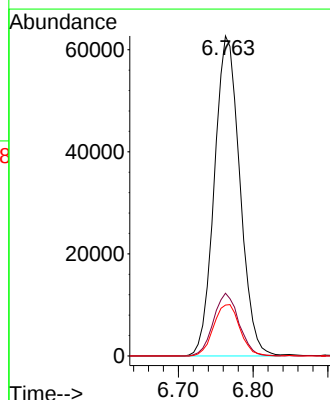
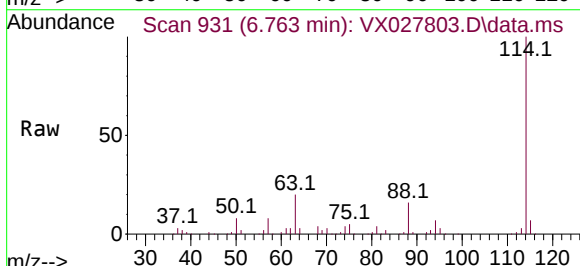
Tgt Ion: 114 Resp: 148755

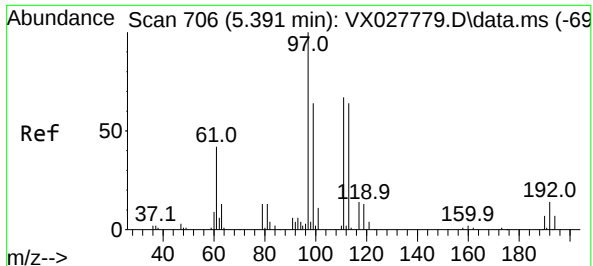
Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.8

88 15.9 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.246 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027803.D

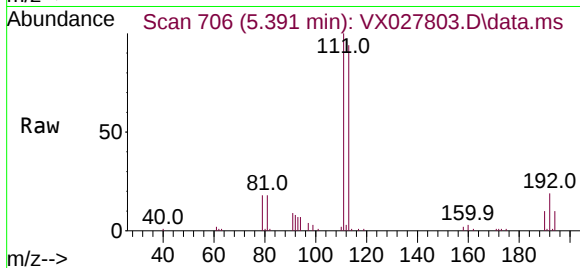
Acq: 30 Mar 2022 12:20

Instrument :

MSVOA_X

ClientSampleId :

RE115D2-20220317



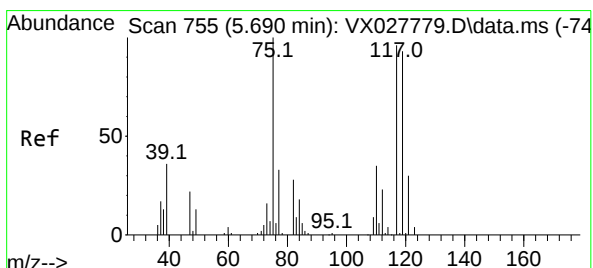
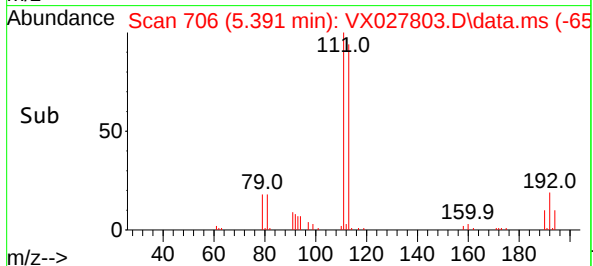
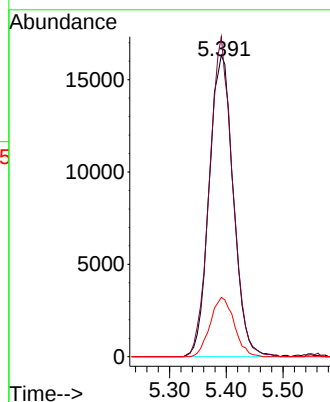
Tgt Ion:113 Resp: 48245

Ion Ratio Lower Upper

113 100

111 102.1 82.8 124.2

192 19.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 5.462 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX027803.D

Acq: 30 Mar 2022 12:20

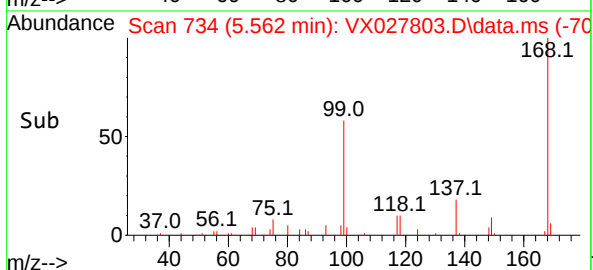
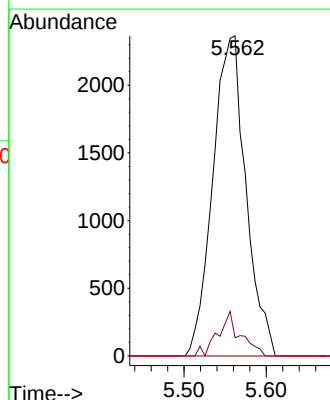
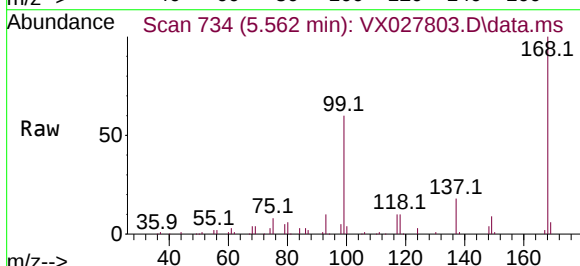
Tgt Ion: 75 Resp: 6606

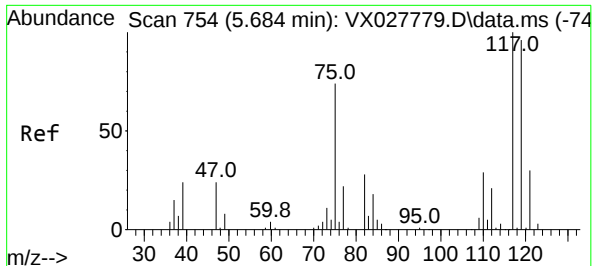
Ion Ratio Lower Upper

75 100

110 9.4 18.3 54.8#

77 0.0 24.8 37.2#

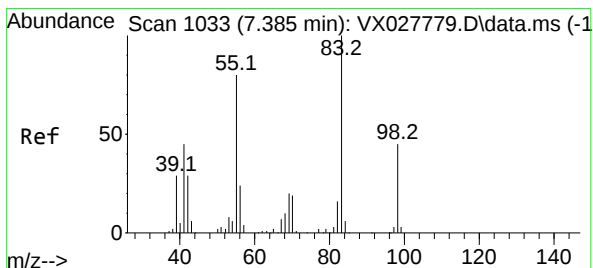
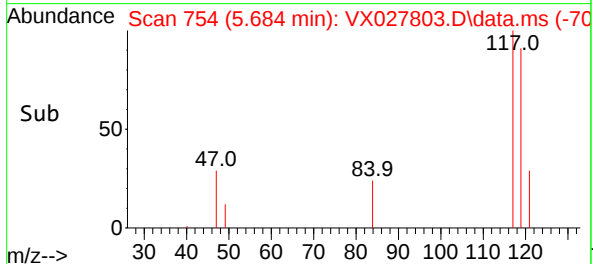
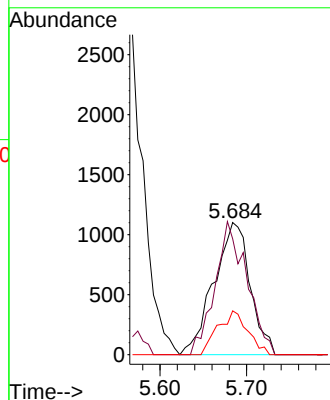
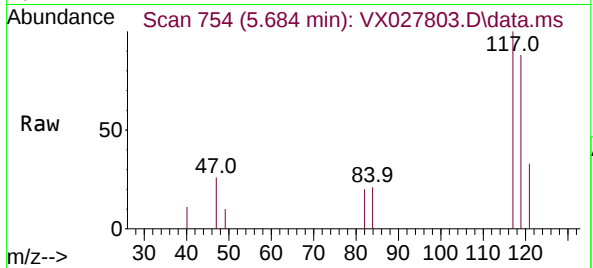




#38
Carbon Tetrachloride
Concen: 2.397 ug/l
RT: 5.684 min Scan# 711
Delta R.T. -0.000 min
Lab File: VX027803.D
Acq: 30 Mar 2022 12:20

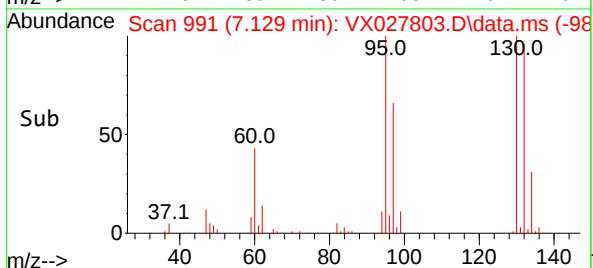
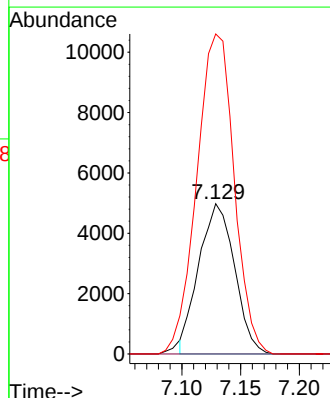
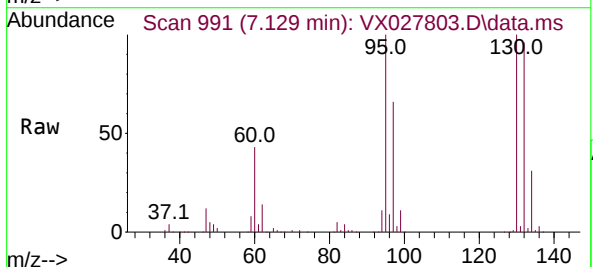
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20220317

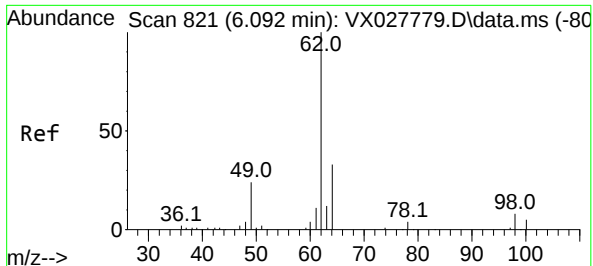
Tgt Ion:117 Resp: 3203
Ion Ratio Lower Upper
117 100
119 87.6 77.3 115.9
121 33.2 24.2 36.2



#39
Methylcyclohexane
Concen: 7.400 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX027803.D
Acq: 30 Mar 2022 12:20

Tgt Ion: 83 Resp: 10531
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 212.9 37.4 56.2#





#42

1,2-Dichloroethane

Concen: 0.494 ug/l

RT: 6.092 min Scan# 821

Delta R.T. 0.000 min

Lab File: VX027803.D

Acq: 30 Mar 2022 12:20

Instrument :

MSVOA_X

ClientSampleId :

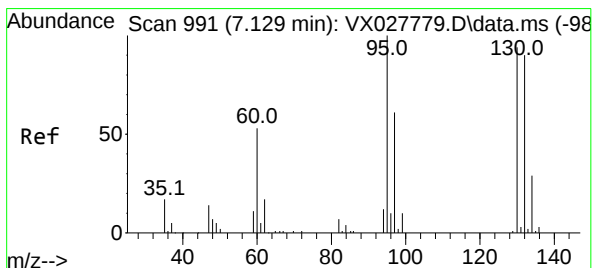
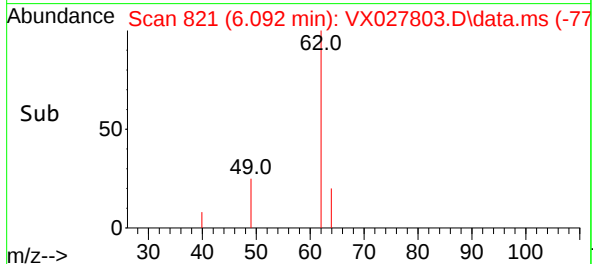
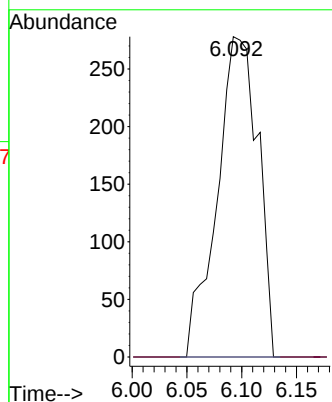
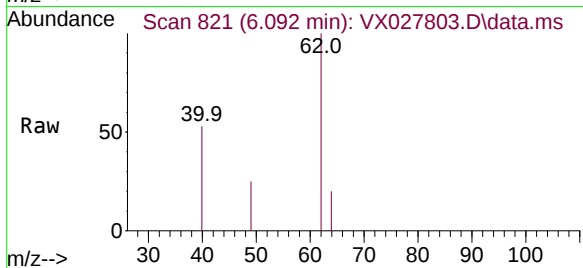
RE115D2-20220317

Tgt Ion: 62 Resp: 723

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4



#44

Trichloroethene

Concen: 902.885 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX027803.D

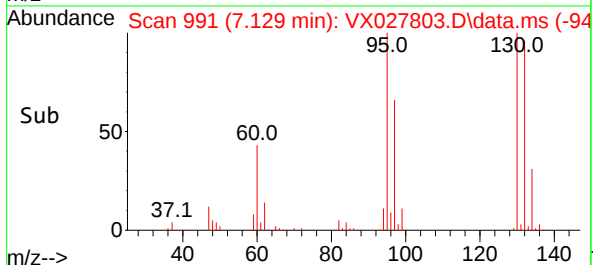
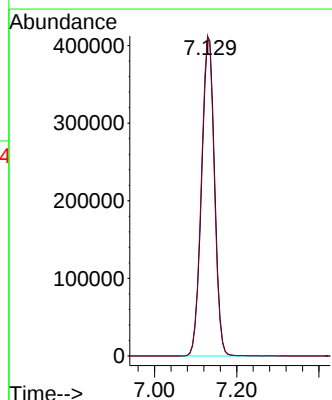
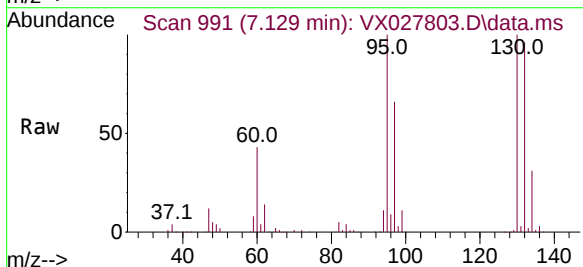
Acq: 30 Mar 2022 12:20

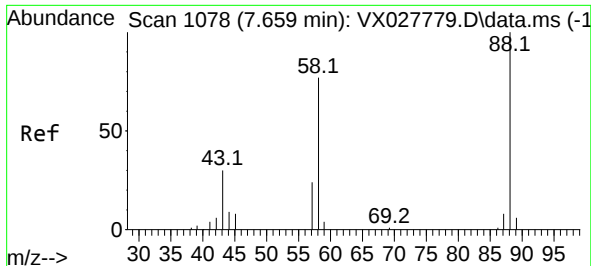
Tgt Ion:130 Resp: 899251

Ion Ratio Lower Upper

130 100

95 100.2 0.0 188.8





#49

1,4-Dioxane

Concen: 18.222 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX027803.D

Acq: 30 Mar 2022 12:20

Instrument :

MSVOA_X

ClientSampleId :

RE115D2-20220317

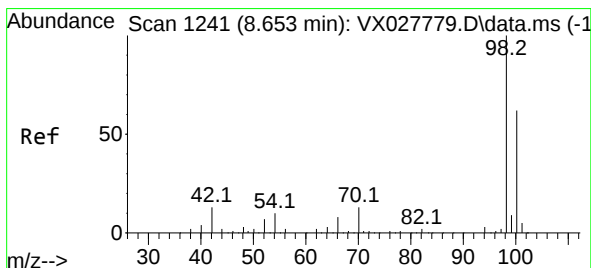
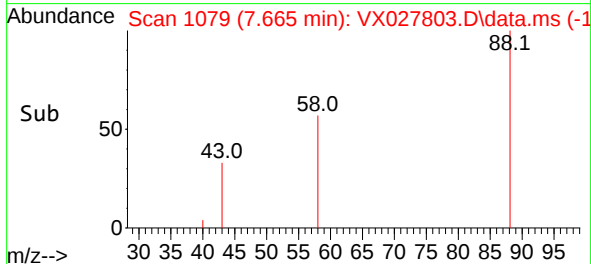
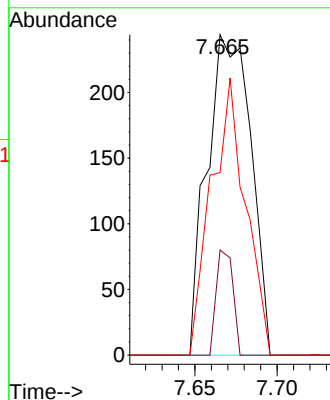
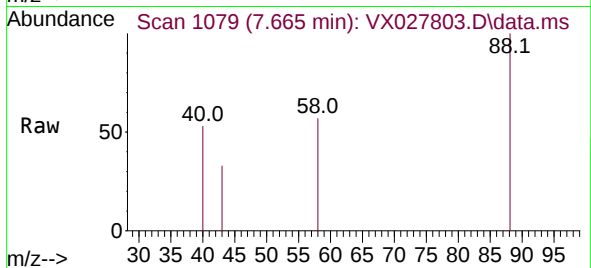
Tgt Ion: 88 Resp: 453

Ion Ratio Lower Upper

88 100

43 12.4 21.9 32.9#

58 67.3 53.7 80.5



#50

Toluene-d8

Concen: 49.810 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX027803.D

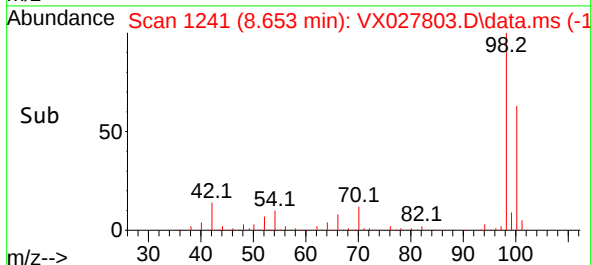
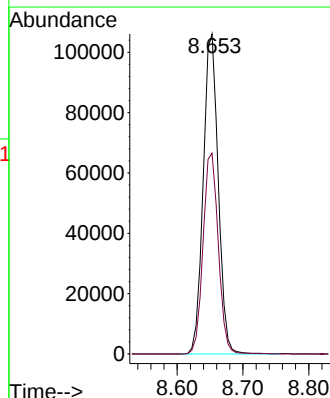
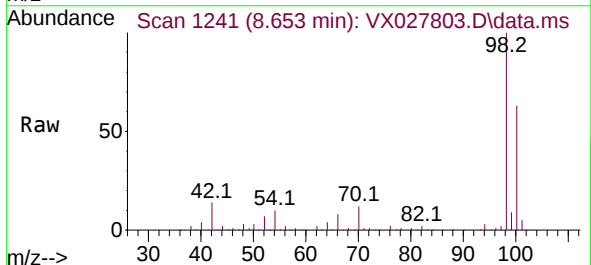
Acq: 30 Mar 2022 12:20

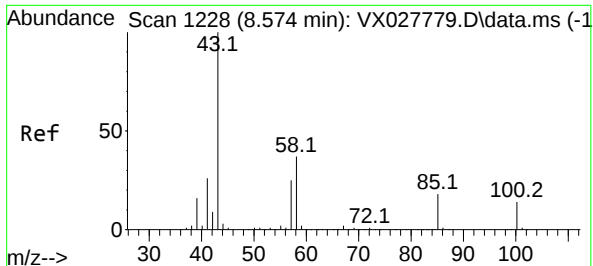
Tgt Ion: 98 Resp: 168274

Ion Ratio Lower Upper

98 100

100 63.7 52.6 78.8

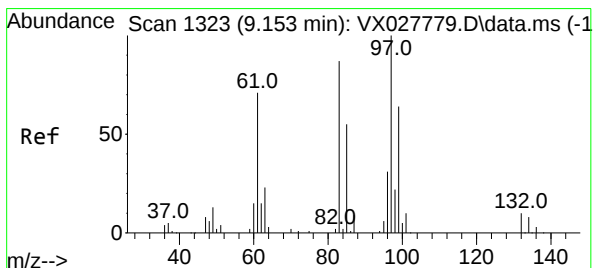
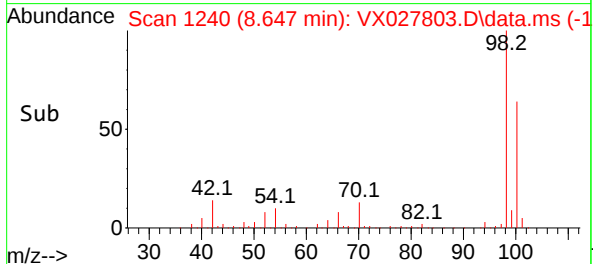
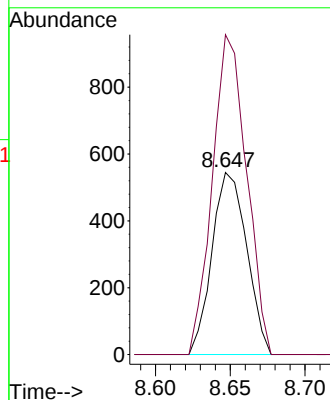
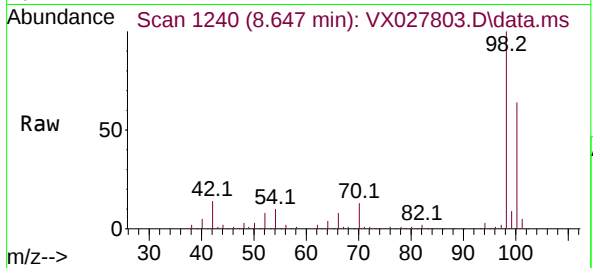




#51
4-Methyl-2-Pentanone
Concen: 0.528 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX027803.D
Acq: 30 Mar 2022 12:20

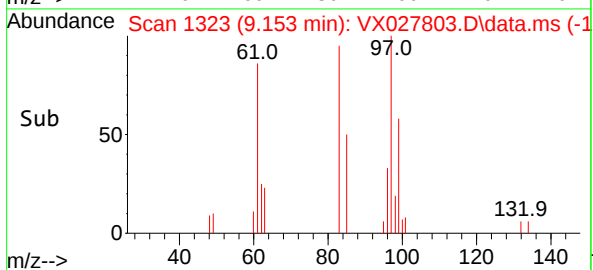
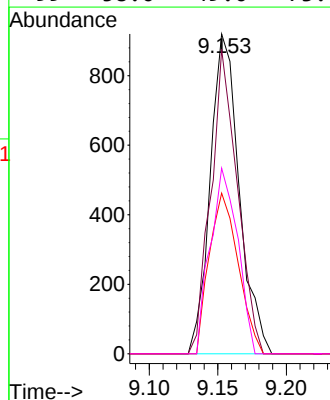
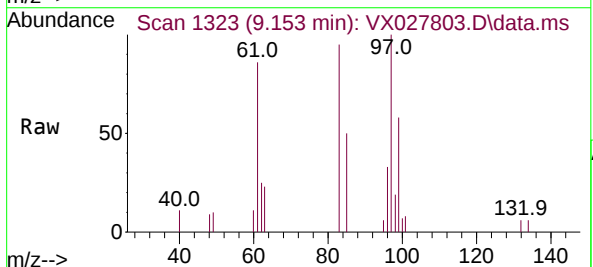
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20220317

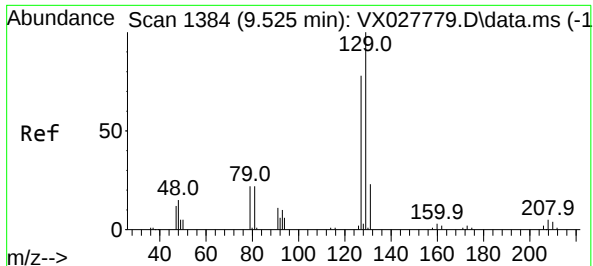
Tgt Ion: 43 Resp: 879
Ion Ratio Lower Upper
43 100
58 173.2 36.1 54.1#



#55
1,1,2-Trichloroethane
Concen: 1.321 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. -0.000 min
Lab File: VX027803.D
Acq: 30 Mar 2022 12:20

Tgt Ion: 97 Resp: 1353
Ion Ratio Lower Upper
97 100
83 95.2 66.2 99.4
85 50.2 42.9 64.3
99 58.0 49.0 73.6

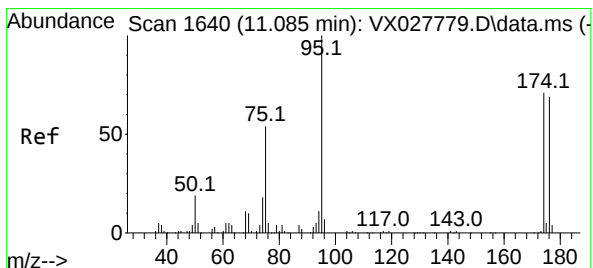
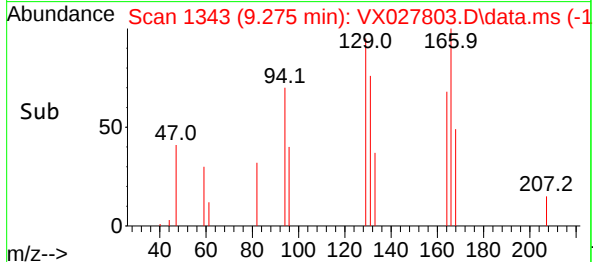
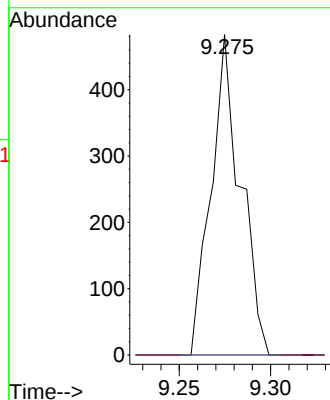
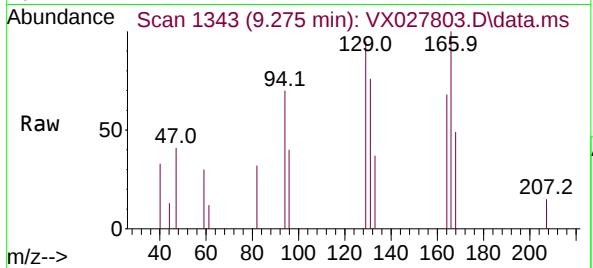




#60
Dibromochloromethane
Concen: 0.509 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX027803.D
Acq: 30 Mar 2022 12:20

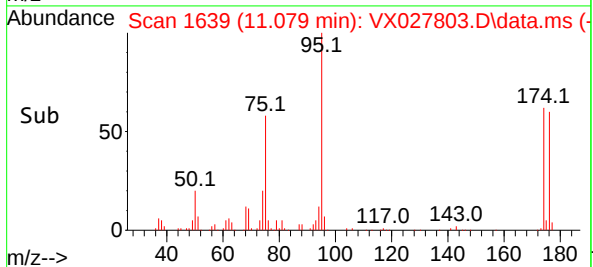
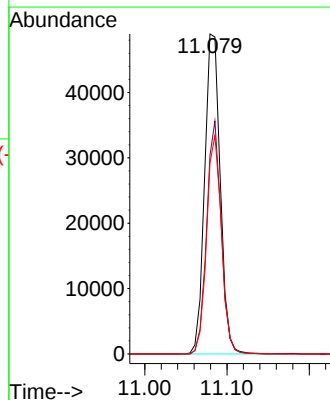
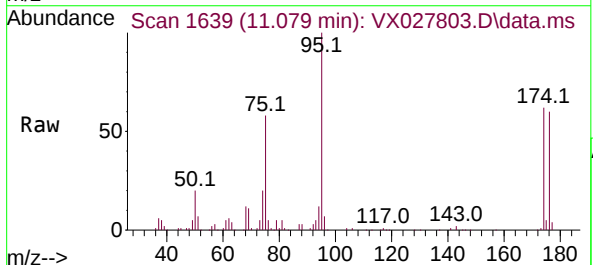
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20220317

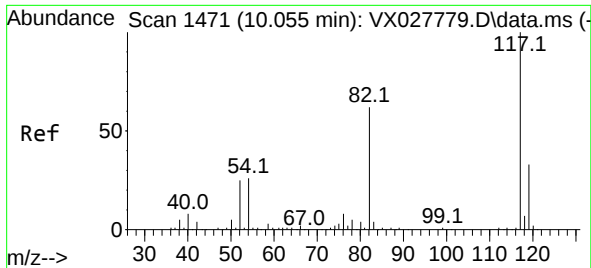
Tgt Ion:129 Resp: 540
Ion Ratio Lower Upper
129 100
127 0.0 40.3 120.8#



#62
4-Bromofluorobenzene
Concen: 45.041 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX027803.D
Acq: 30 Mar 2022 12:20

Tgt Ion: 95 Resp: 64664
Ion Ratio Lower Upper
95 100
174 67.6 0.0 163.0
176 64.9 0.0 155.0

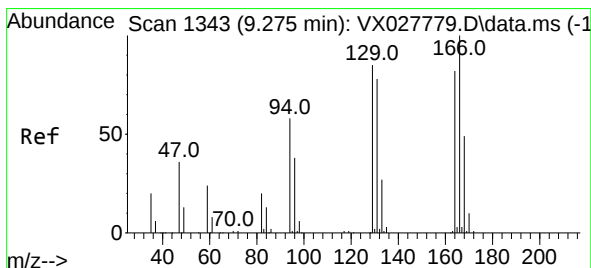
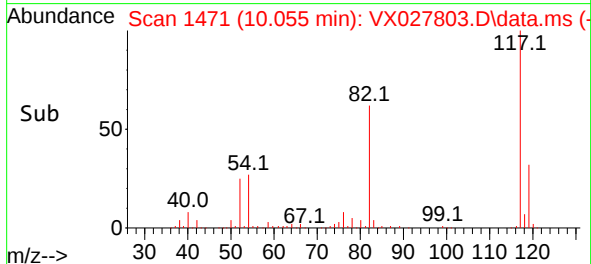
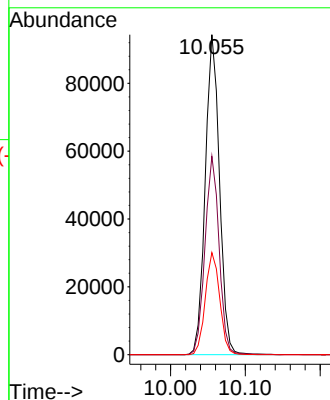
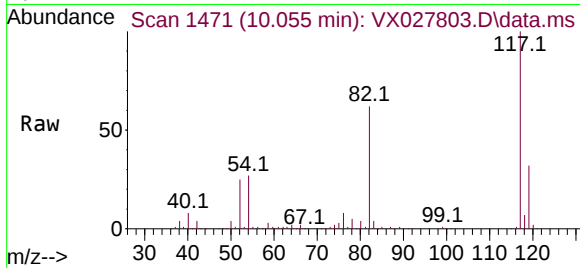




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027803.D
Acq: 30 Mar 2022 12:20

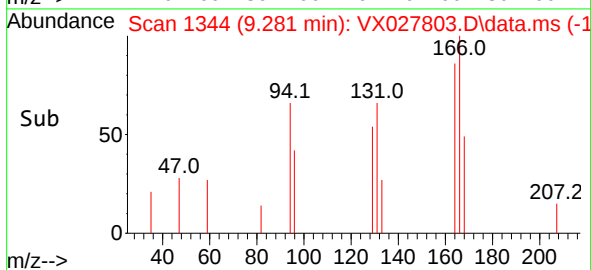
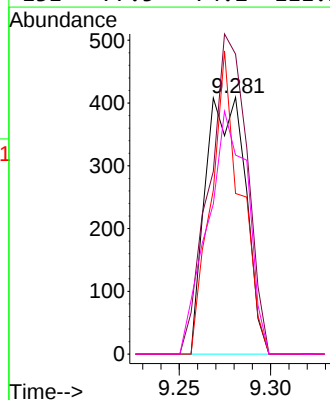
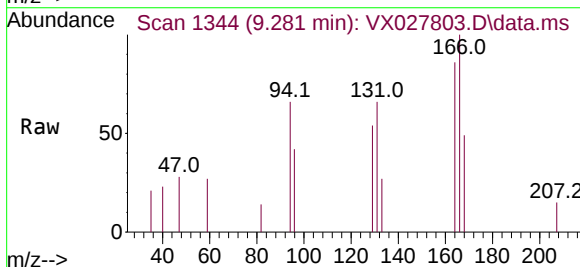
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20220317

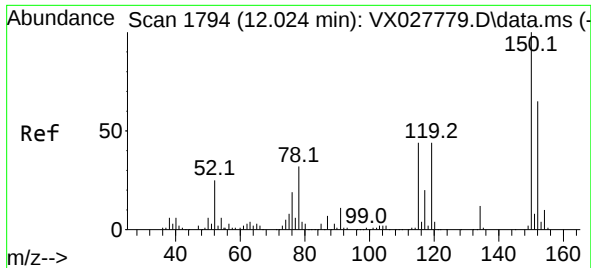
Tgt Ion:117 Resp: 124800
Ion Ratio Lower Upper
117 100
82 62.0 41.8 62.8
119 31.9 24.8 37.2



#64
Tetrachloroethene
Concen: 0.735 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX027803.D
Acq: 30 Mar 2022 12:20

Tgt Ion:164 Resp: 622
Ion Ratio Lower Upper
164 100
166 116.9 101.2 151.8
129 62.6 73.0 109.4#
131 77.5 74.2 111.2

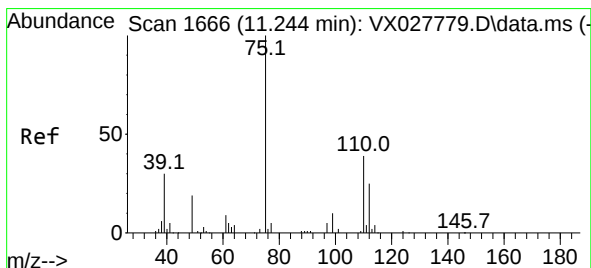
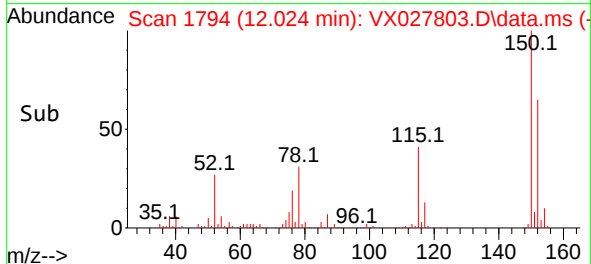
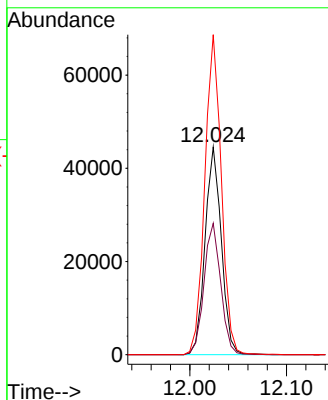
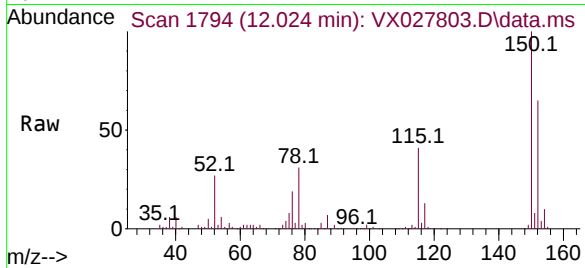




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX027803.D
 Acq: 30 Mar 2022 12:20

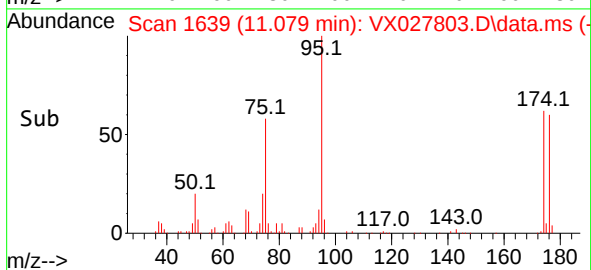
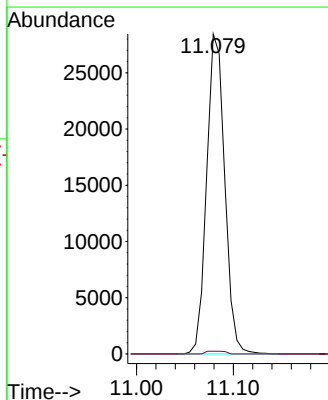
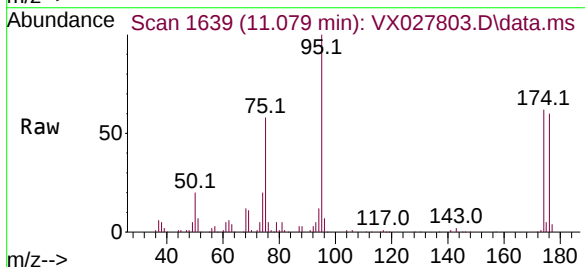
Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D2-20220317

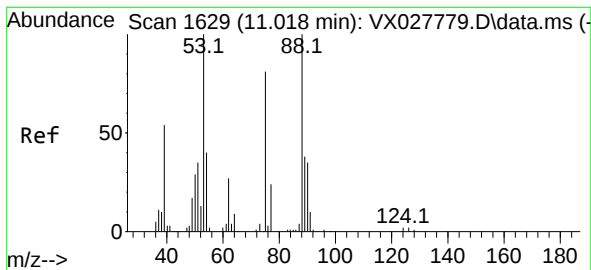
Tgt Ion:152 Resp: 52215
 Ion Ratio Lower Upper
 152 100
 115 65.0 37.5 112.7
 150 156.4 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 30.204 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX027803.D
 Acq: 30 Mar 2022 12:20

Tgt Ion: 75 Resp: 36996
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.953 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX027803.D
 Acq: 30 Mar 2022 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D2-20220317

Tgt Ion: 75 Resp: 36996
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.1 37.0 55.6#

