

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033122\
 Data File : VX027854.D
 Acq On : 31 Mar 2022 17:40
 Operator : JC/MD
 Sample : N2074-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20220319

Quant Time: Apr 01 04:10:00 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)

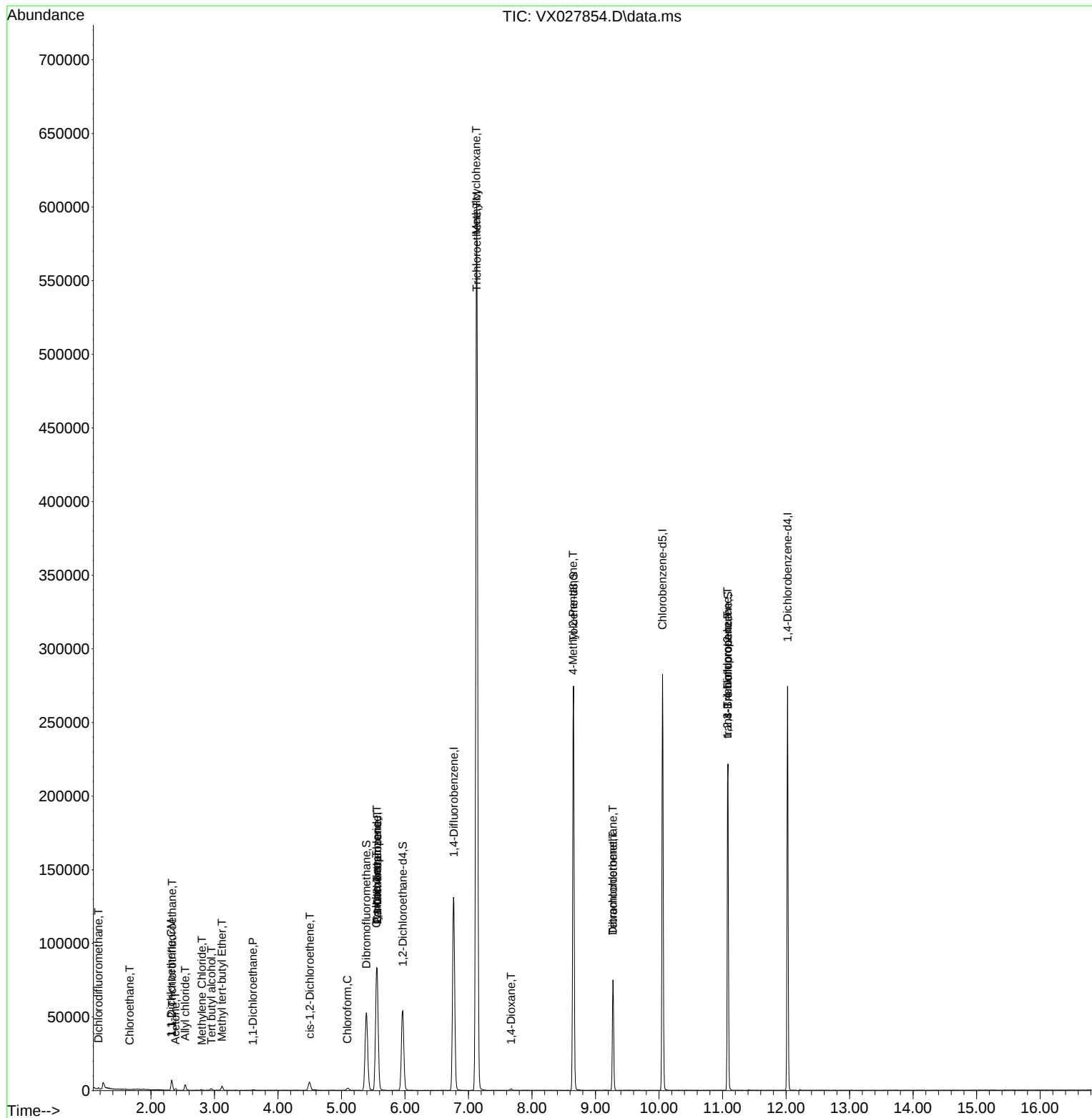
Internal Standards						
1) Pentafluorobenzene	5.562	168	75138	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	135505	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	49191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	55253	56.992	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 113.980%			
35) Dibromofluoromethane	5.391	113	44603	50.995	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.000%			
50) Toluene-d8	8.653	98	157130	51.059	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.120%			
62) 4-Bromofluorobenzene	11.085	95	60182	46.018	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	246	0.361	ug/l	86
6) Chloroethane	1.666	64	229	0.551	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	2287	3.251	ug/l	94
11) Tert butyl alcohol	2.953	59	830	4.457	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	555	0.860	ug/l #	92
14) Allyl chloride	2.538	41	372	0.314	ug/l #	52
16) Acetone	2.386	43	818	1.906	ug/l #	83
19) Methyl tert-butyl Ether	3.117	73	2803	1.140	ug/l	96
20) Methylene Chloride	2.800	84	258	0.334	ug/l #	58
24) 1,1-Dichloroethane	3.605	63	682	0.510	ug/l #	81
27) cis-1,2-Dichloroethene	4.501	96	3573	4.229	ug/l	92
30) Chloroform	5.093	83	1828	1.231	ug/l	84
31) Cyclohexane	5.550	56	1799	1.679	ug/l #	24
36) 1,1-Dichloropropene	5.562	75	6574	5.968	ug/l #	48
38) Carbon Tetrachloride	5.556	117	8666	7.120	ug/l #	14
39) Methylcyclohexane	7.123	83	2421	1.868	ug/l #	1
44) Trichloroethene	7.129	130	216983	239.163	ug/l	90
49) 1,4-Dioxane	7.671	88	770	34.003	ug/l #	96
51) 4-Methyl-2-Pentanone	8.647	43	798	0.526	ug/l #	1
60) Dibromochloromethane	9.275	129	13059	13.504	ug/l #	9
64) Tetrachloroethene	9.275	164	12533	15.598	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	34546	29.937	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	34546	87.208	ug/l #	15

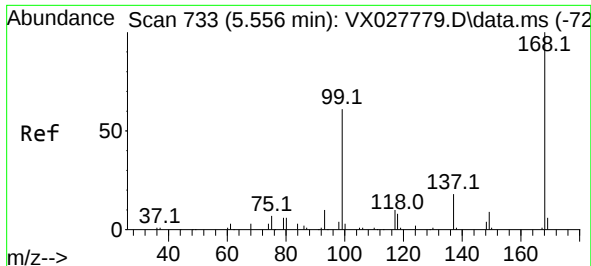
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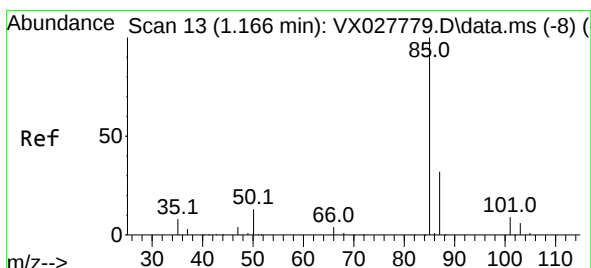
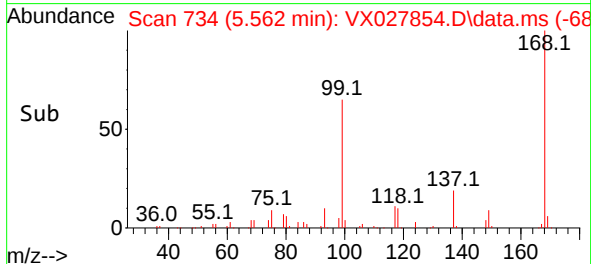
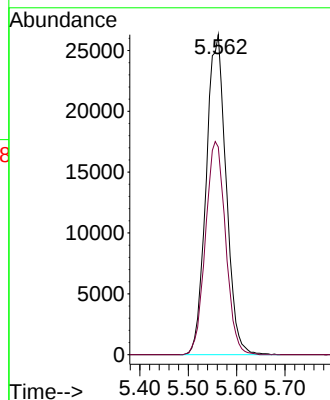
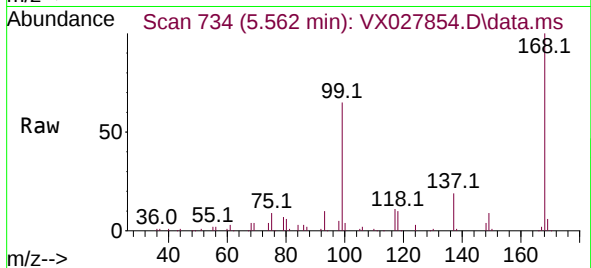




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX027854.D
Acq: 31 Mar 2022 17:40

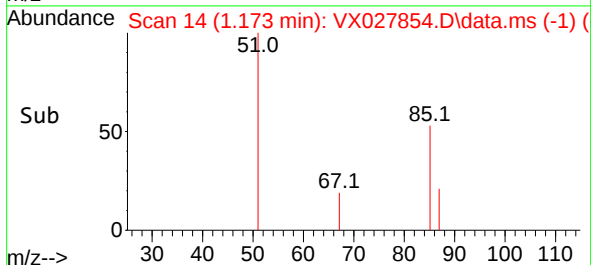
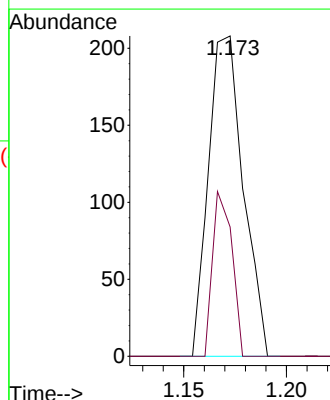
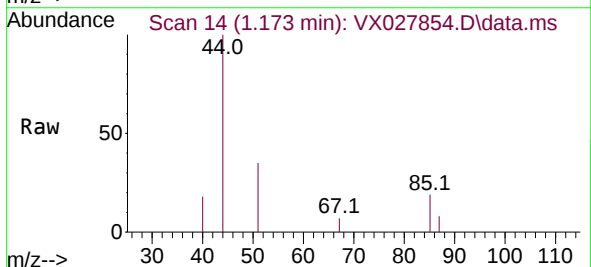
Instrument :
MSVOA_X
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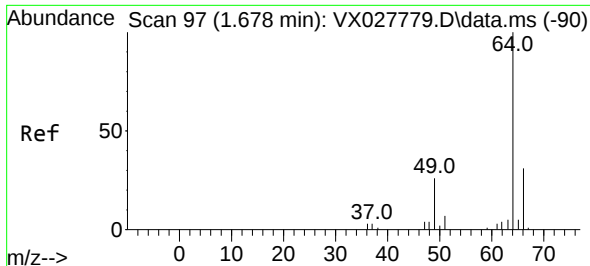
Tgt Ion:168 Resp: 75138
Ion Ratio Lower Upper
168 100
99 64.9 41.7 62.5#



#2
Dichlorodifluoromethane
Concen: 0.361 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.007 min
Lab File: VX027854.D
Acq: 31 Mar 2022 17:40

Tgt Ion: 85 Resp: 246
Ion Ratio Lower Upper
85 100
87 40.4 16.2 48.6

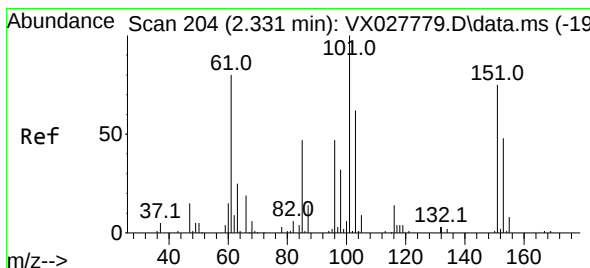
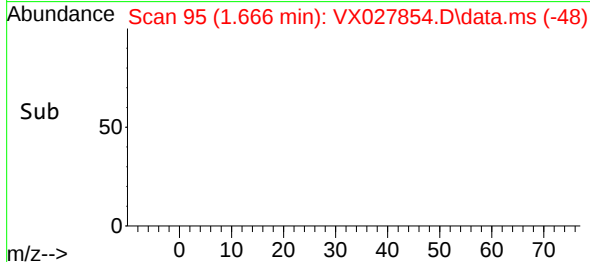
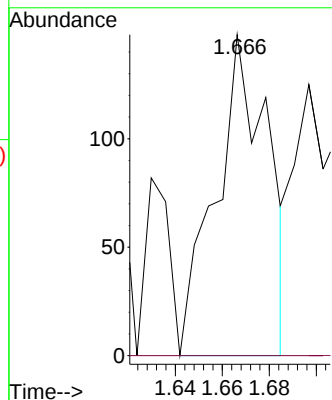
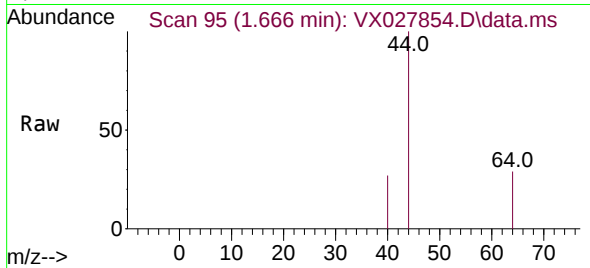




#6
Chloroethane
Concen: 0.551 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.012 min
Lab File: VX027854.D
Acq: 31 Mar 2022 17:40

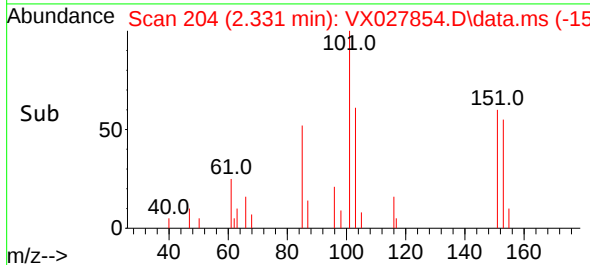
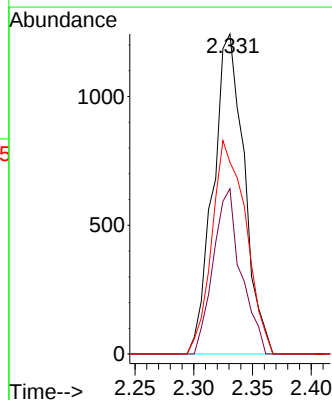
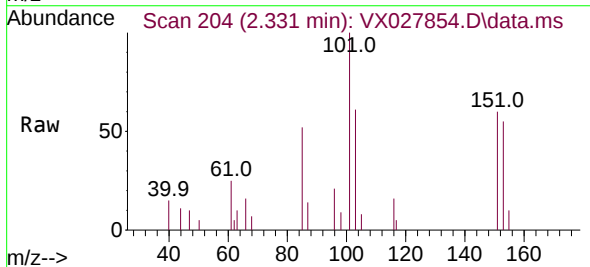
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20220319

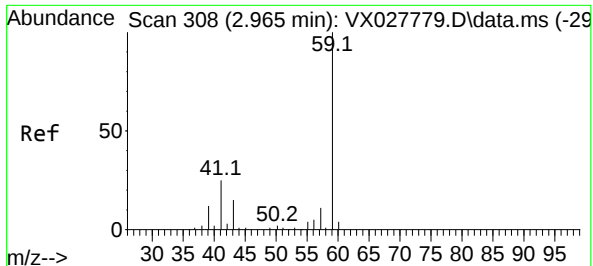
Tgt Ion: 64 Resp: 229
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.251 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX027854.D
Acq: 31 Mar 2022 17:40

Tgt Ion: 101 Resp: 2287
Ion Ratio Lower Upper
101 100
85 46.3 33.5 50.3
151 72.8 61.8 92.6

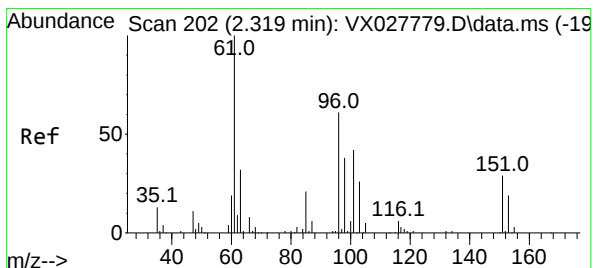
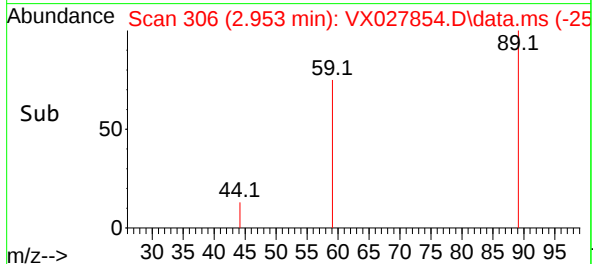
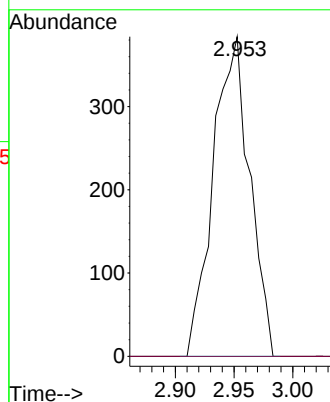
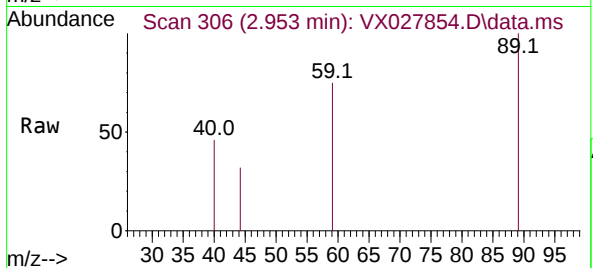




#11
Tert butyl alcohol
Concen: 4.457 ug/l
RT: 2.953 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX027854.D
Acq: 31 Mar 2022 17:40

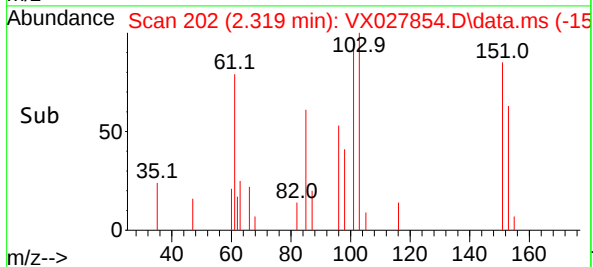
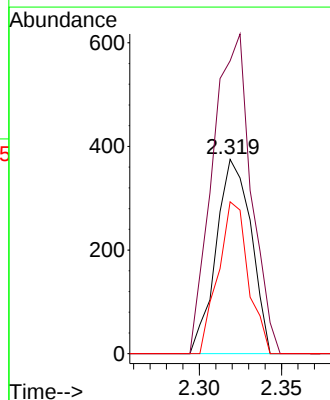
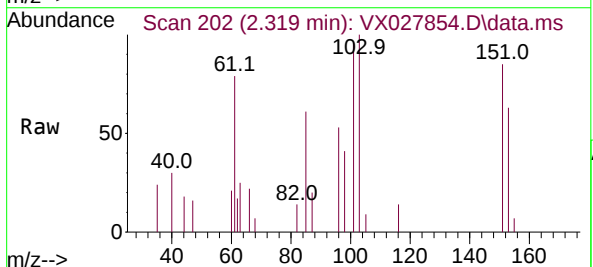
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20220319

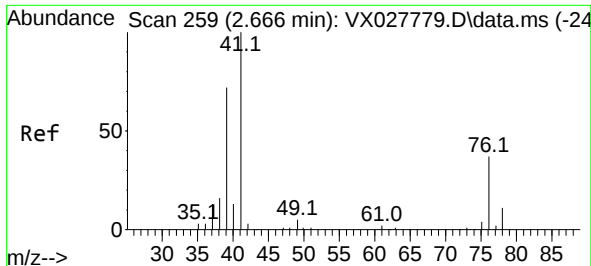
Tgt Ion: 59 Resp: 830
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.860 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX027854.D
Acq: 31 Mar 2022 17:40

Tgt Ion: 96 Resp: 555
Ion Ratio Lower Upper
96 100
61 150.7 124.6 187.0
98 78.1 51.0 76.4#

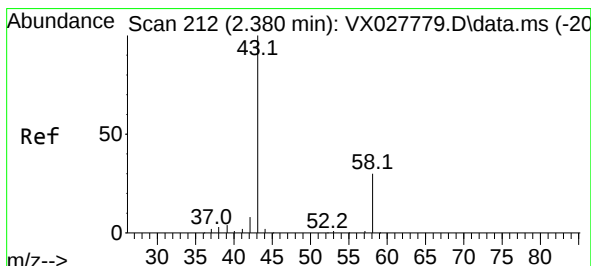
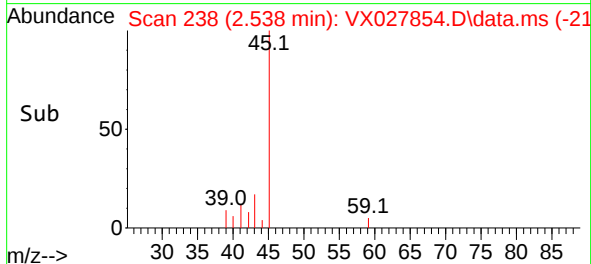
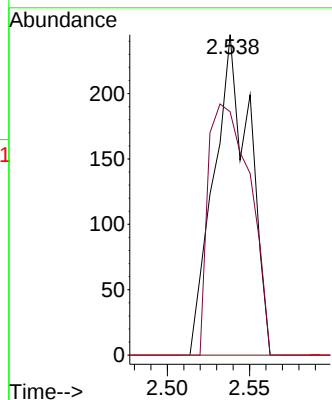
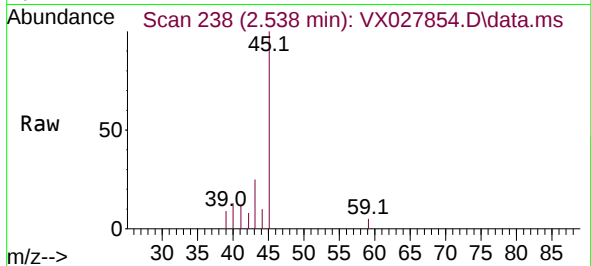




#14
 Allyl chloride
 Concen: 0.314 ug/l
 RT: 2.538 min Scan# 21
 Delta R.T. -0.128 min
 Lab File: VX027854.D
 Acq: 31 Mar 2022 17:40

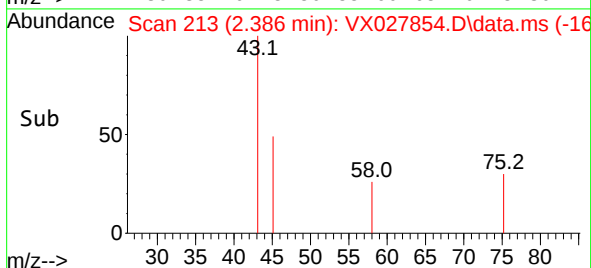
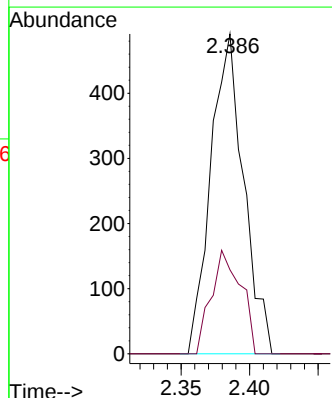
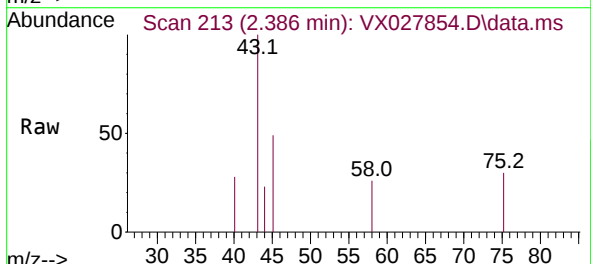
Instrument :
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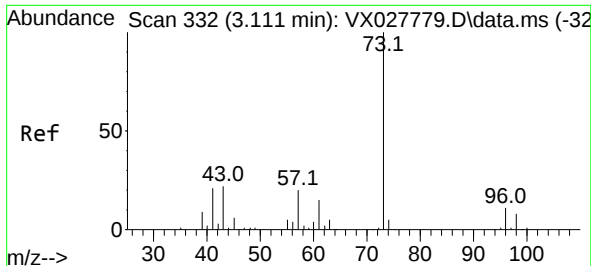
Tgt Ion: 41 Resp: 372
 Ion Ratio Lower Upper
 41 100
 39 91.1 50.4 75.6#
 76 0.0 32.7 49.1#



#16
 Acetone
 Concen: 1.906 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. 0.006 min
 Lab File: VX027854.D
 Acq: 31 Mar 2022 17:40

Tgt Ion: 43 Resp: 818
 Ion Ratio Lower Upper
 43 100
 58 26.3 28.8 43.2#

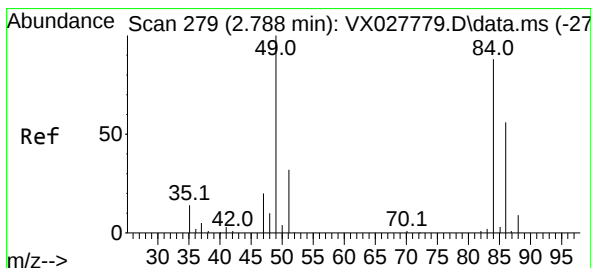
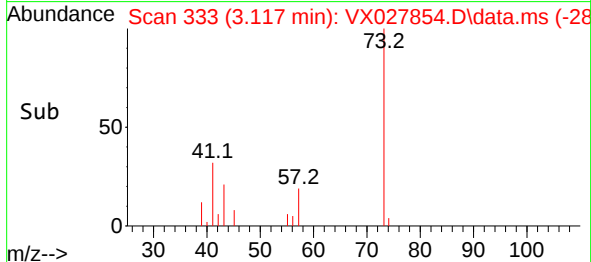
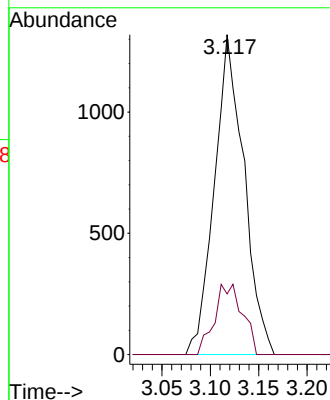
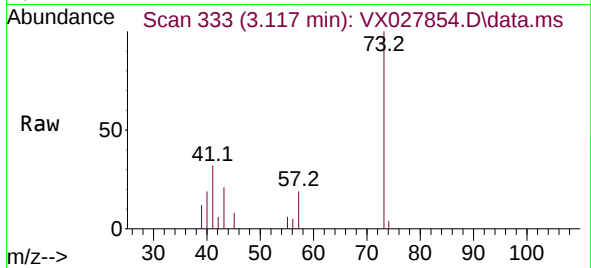




#19
Methyl tert-butyl Ether
Concen: 1.140 ug/l
RT: 3.117 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX027854.D
Acq: 31 Mar 2022 17:40

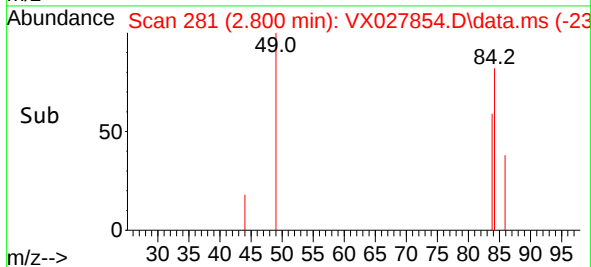
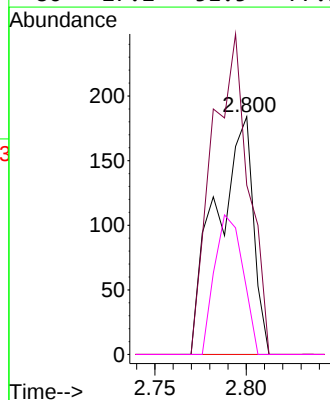
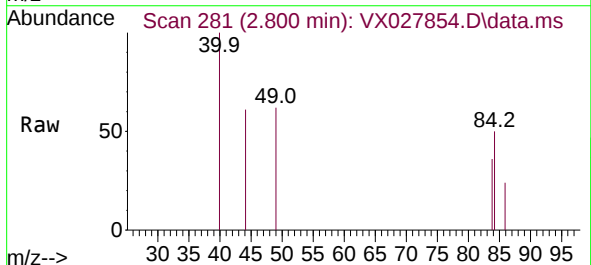
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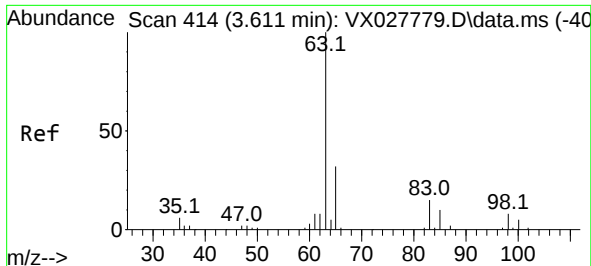
Tgt Ion: 73 Resp: 2803
Ion Ratio Lower Upper
73 100
57 19.0 16.8 25.2



#20
Methylene Chloride
Concen: 0.334 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX027854.D
Acq: 31 Mar 2022 17:40

Tgt Ion: 84 Resp: 258
Ion Ratio Lower Upper
84 100
49 71.2 85.5 128.3#
51 0.0 26.6 39.8#
86 27.2 51.5 77.3#

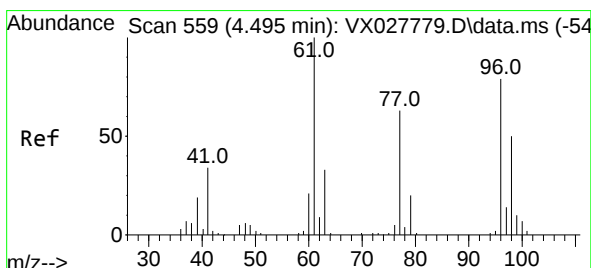
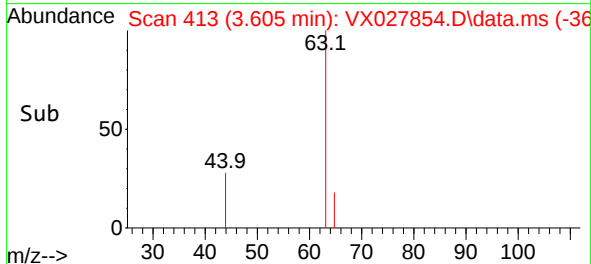
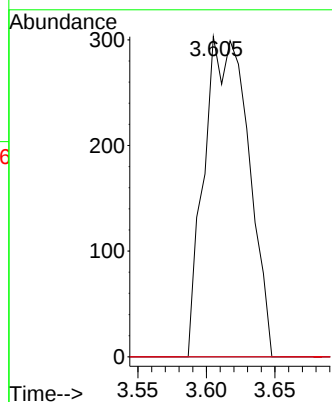
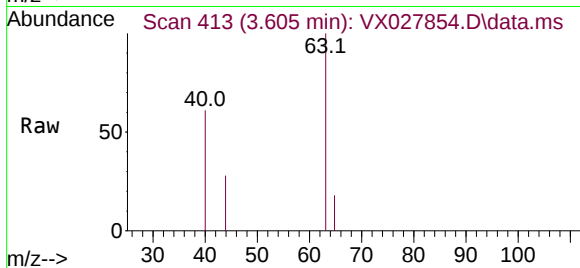




#24
1,1-Dichloroethane
Concen: 0.510 ug/l
RT: 3.605 min Scan# 41
Delta R.T. -0.006 min
Lab File: VX027854.D
Acq: 31 Mar 2022 17:40

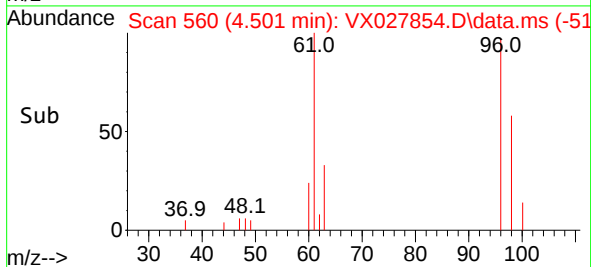
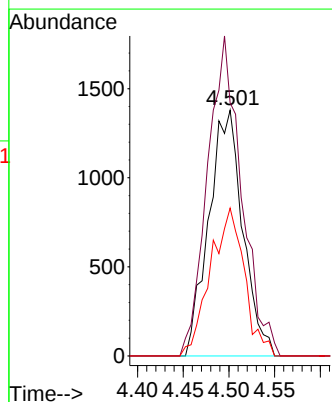
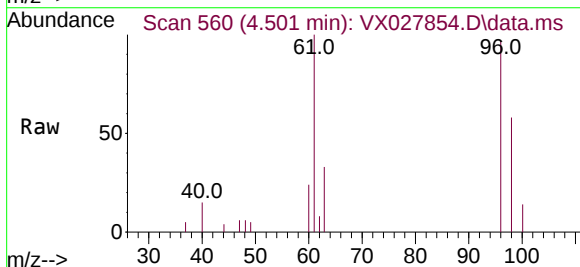
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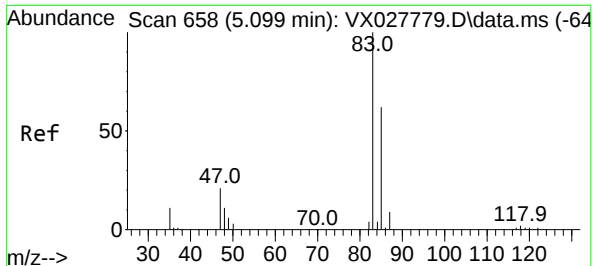
Tgt Ion: 63 Resp: 682
Ion Ratio Lower Upper
63 100
98 0.0 3.9 11.7#
100 0.0 2.4 7.2#



#27
cis-1,2-Dichloroethene
Concen: 4.229 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX027854.D
Acq: 31 Mar 2022 17:40

Tgt Ion: 96 Resp: 3573
Ion Ratio Lower Upper
96 100
61 130.2 0.0 283.8
98 60.3 0.0 129.8





#30

Chloroform

Concen: 1.231 ug/l

RT: 5.093 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX027854.D

Acq: 31 Mar 2022 17:40

Instrument :

MSVOA_X

ClientSampleId :

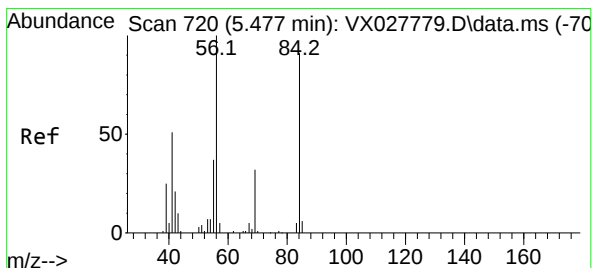
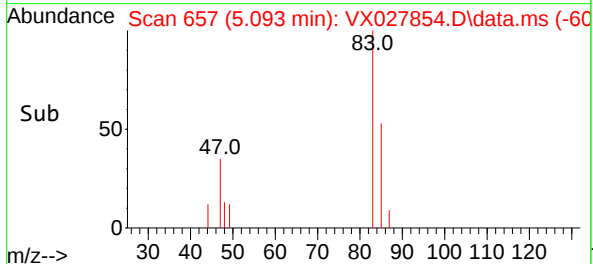
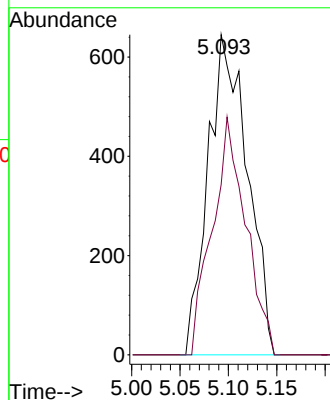
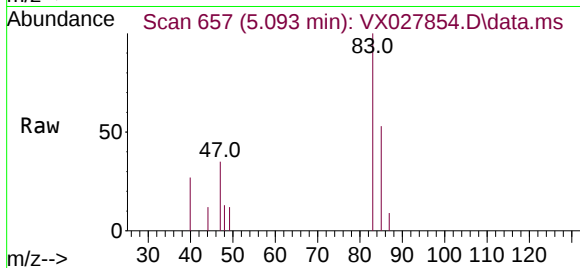
RE131D1-20220319

Tgt Ion: 83 Resp: 1828

Ion Ratio Lower Upper

83 100

85 53.2 52.7 79.1



#31

Cyclohexane

Concen: 1.679 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX027854.D

Acq: 31 Mar 2022 17:40

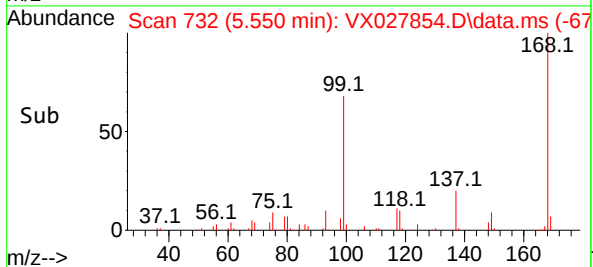
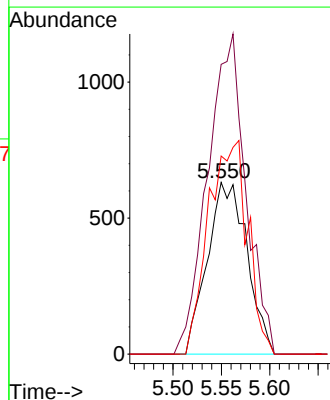
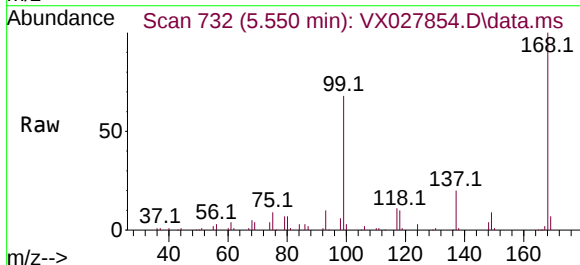
Tgt Ion: 56 Resp: 1799

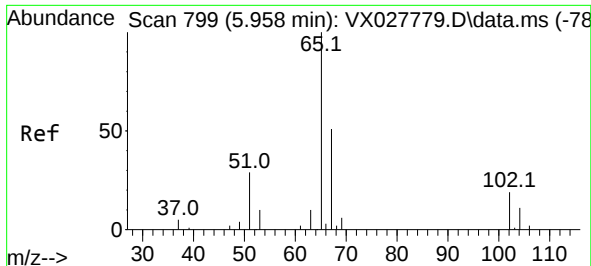
Ion Ratio Lower Upper

56 100

69 168.8 26.7 40.1#

84 115.4 77.2 115.8





#33

1,2-Dichloroethane-d4

Concen: 56.992 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX027854.D

Acq: 31 Mar 2022 17:40

Instrument :

MSVOA_X

ClientSampleId :

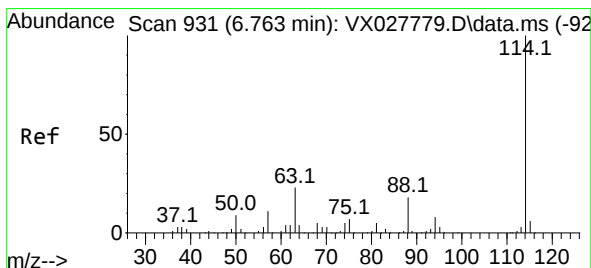
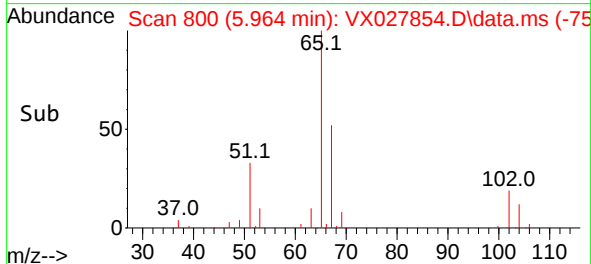
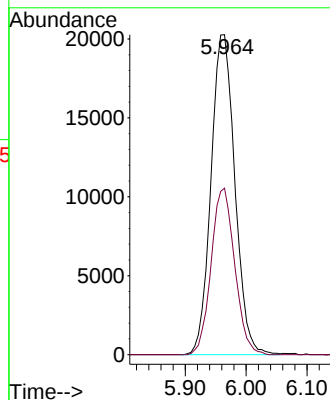
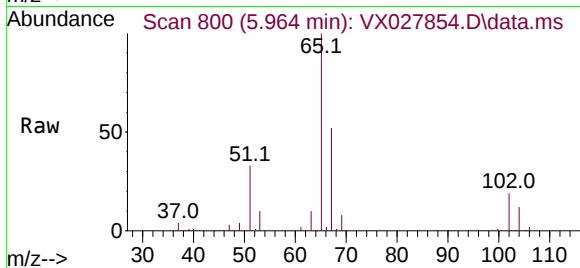
RE131D1-20220319

Tgt Ion: 65 Resp: 55253

Ion Ratio Lower Upper

65 100

67 51.3 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX027854.D

Acq: 31 Mar 2022 17:40

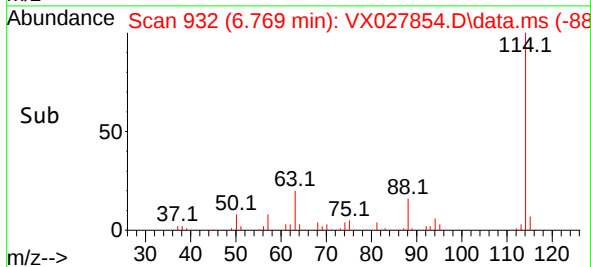
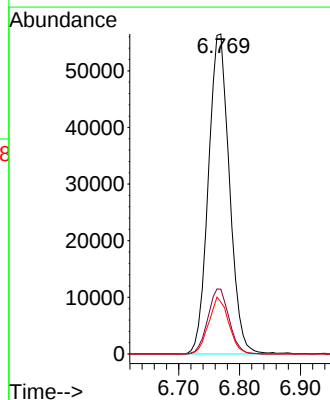
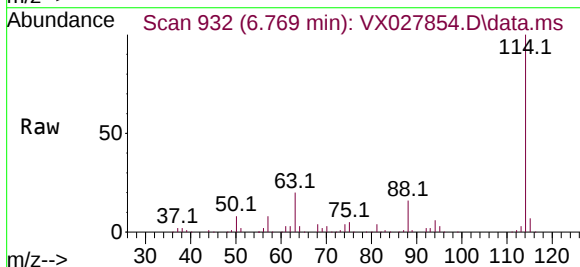
Tgt Ion: 114 Resp: 135505

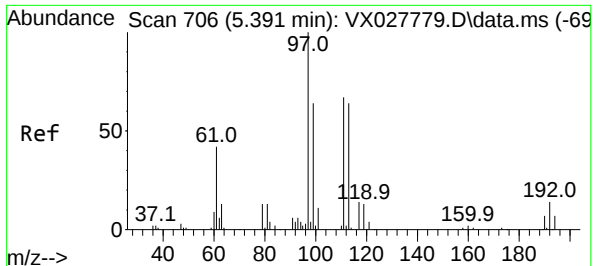
Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.8

88 16.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.995 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027854.D

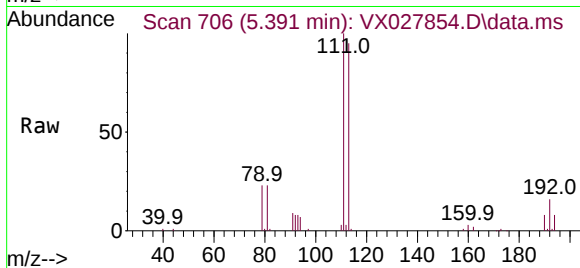
Acq: 31 Mar 2022 17:40

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20220319



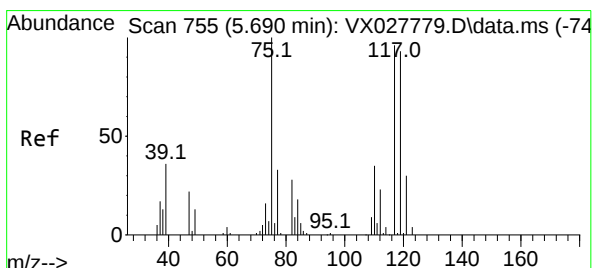
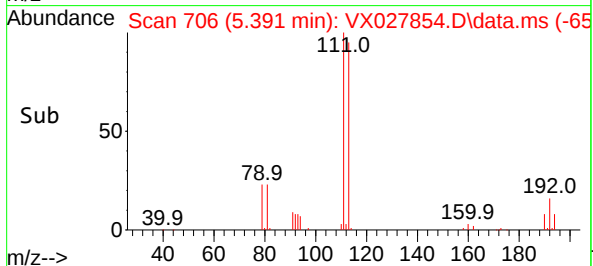
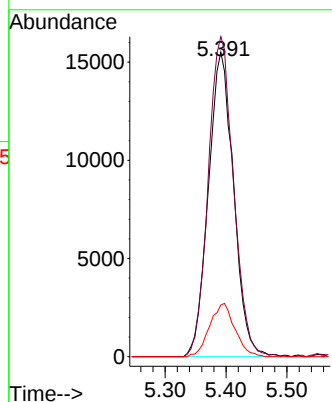
Tgt Ion:113 Resp: 44603

Ion Ratio Lower Upper

113 100

111 105.4 82.8 124.2

192 17.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 5.968 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX027854.D

Acq: 31 Mar 2022 17:40

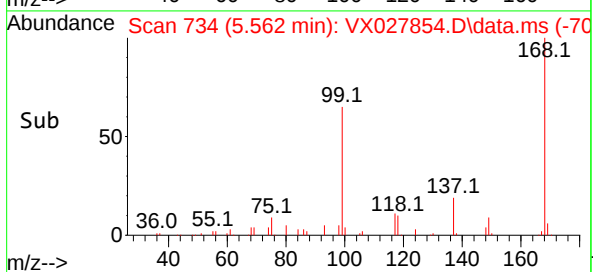
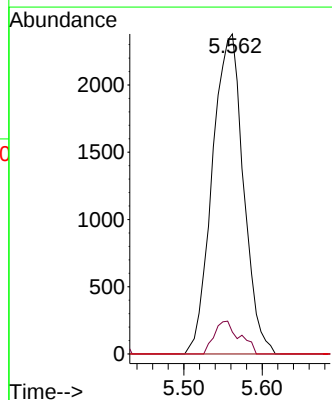
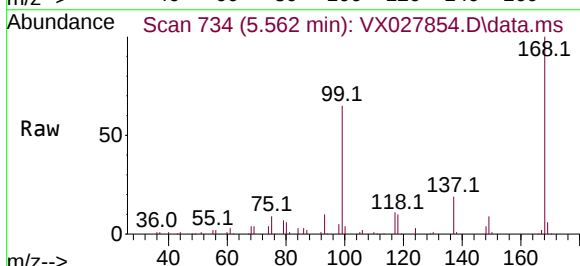
Tgt Ion: 75 Resp: 6574

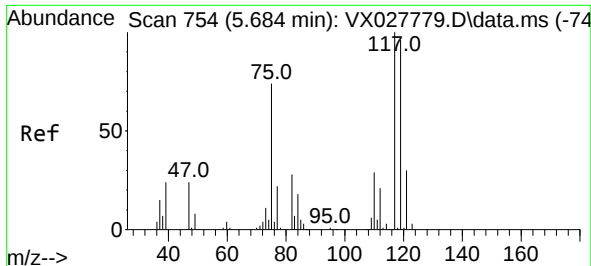
Ion Ratio Lower Upper

75 100

110 8.3 18.3 54.8#

77 0.0 24.8 37.2#

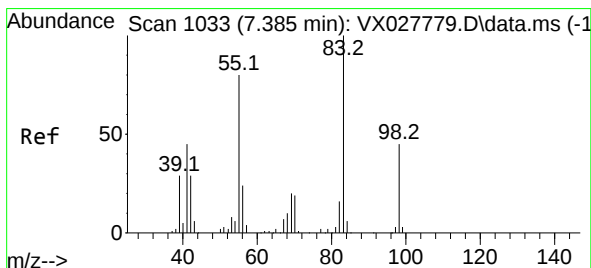
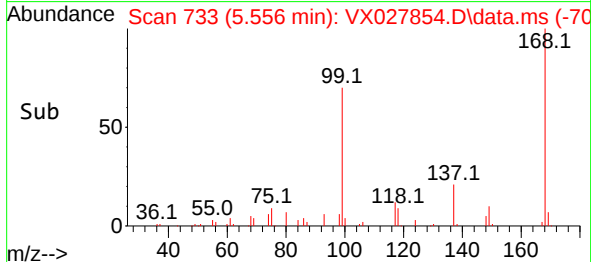
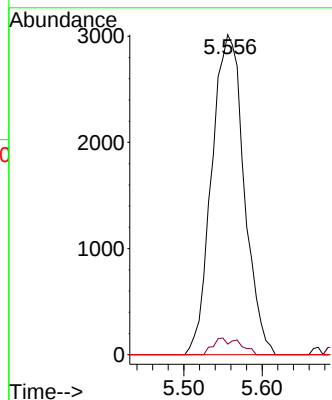
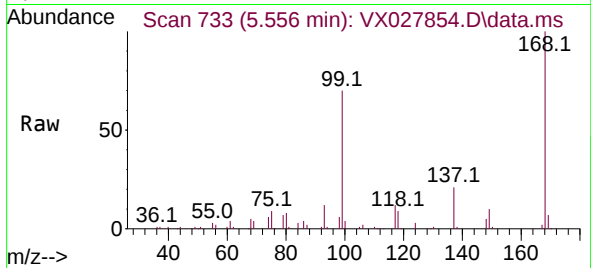




#38
Carbon Tetrachloride
Concen: 7.120 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX027854.D
Acq: 31 Mar 2022 17:40

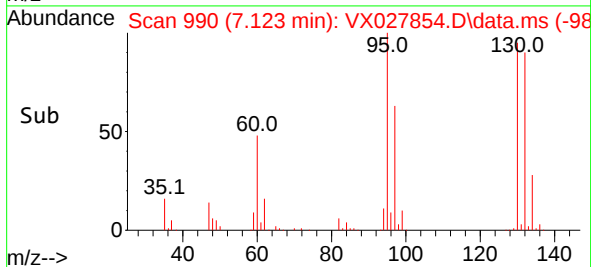
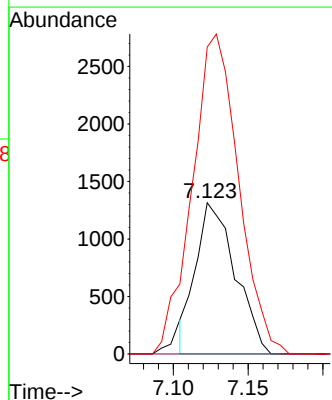
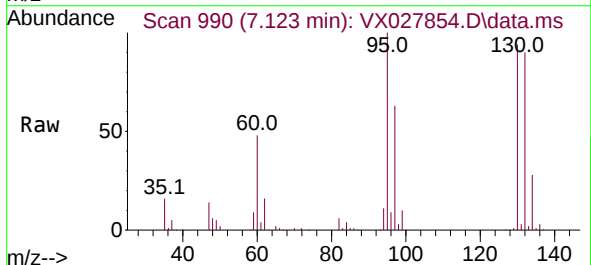
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20220319

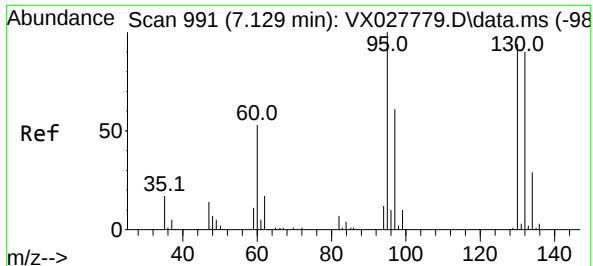
Tgt Ion:117 Resp: 8666
Ion Ratio Lower Upper
117 100
119 3.3 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 1.868 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX027854.D
Acq: 31 Mar 2022 17:40

Tgt Ion: 83 Resp: 2421
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 197.0 37.4 56.2#

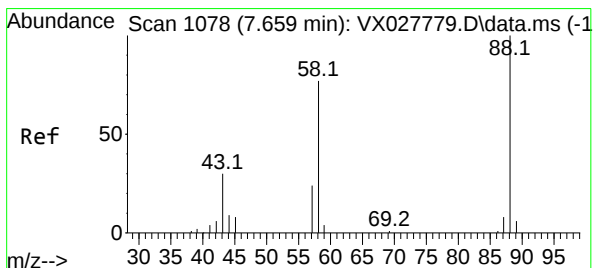
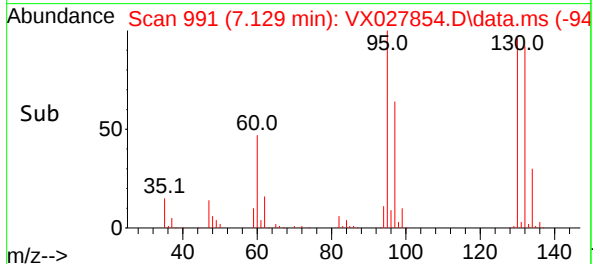
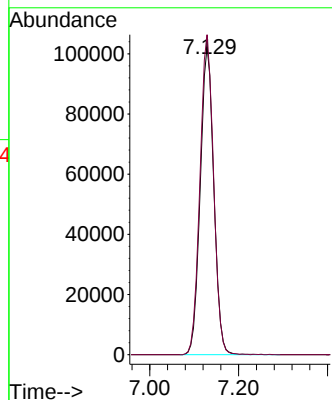
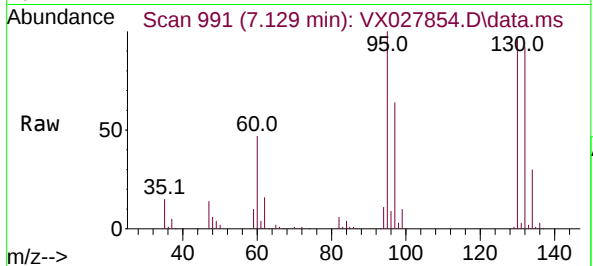




#44
Trichloroethene
Concen: 239.163 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX027854.D
Acq: 31 Mar 2022 17:40

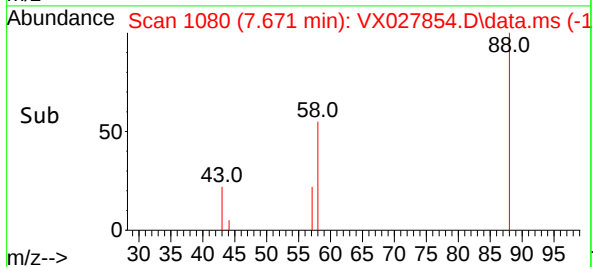
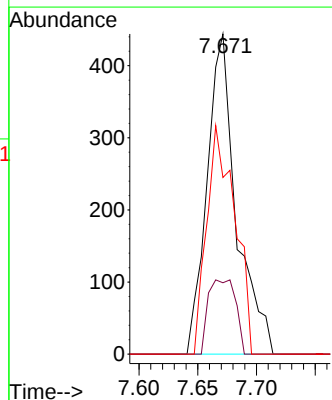
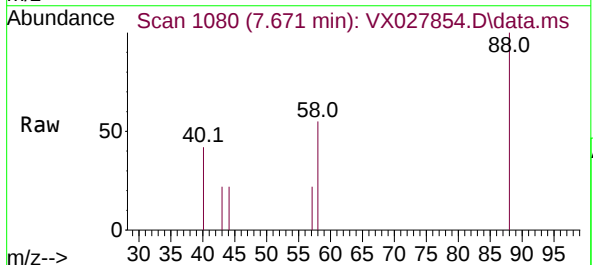
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20220319

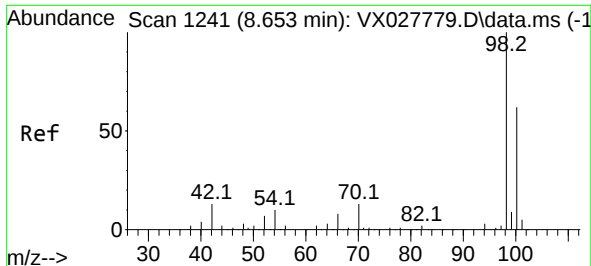
Tgt Ion:130 Resp: 216983
Ion Ratio Lower Upper
130 100
95 103.9 0.0 188.8



#49
1,4-Dioxane
Concen: 34.003 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX027854.D
Acq: 31 Mar 2022 17:40

Tgt Ion: 88 Resp: 770
Ion Ratio Lower Upper
88 100
43 21.7 21.9 32.9#
58 68.6 53.7 80.5

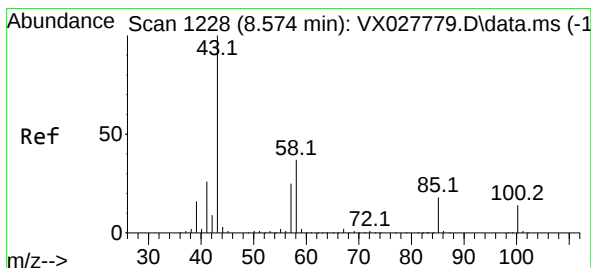
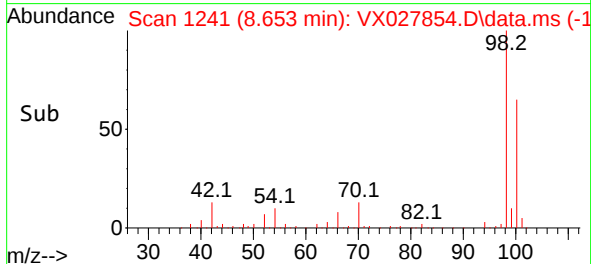
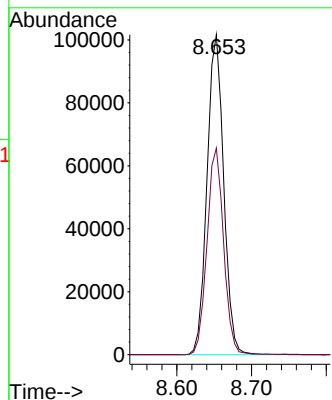
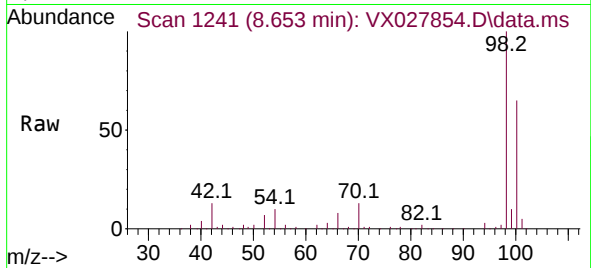




#50
Toluene-d8
Concen: 51.059 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027854.D
Acq: 31 Mar 2022 17:40

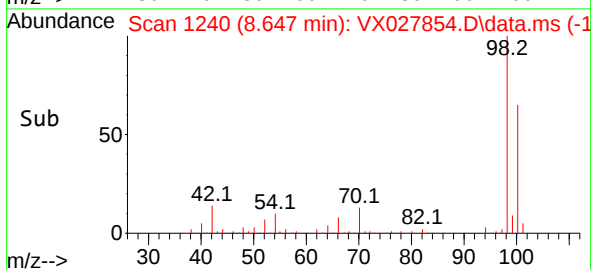
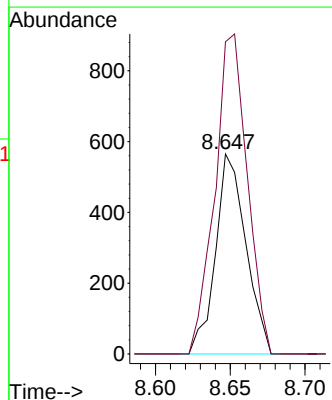
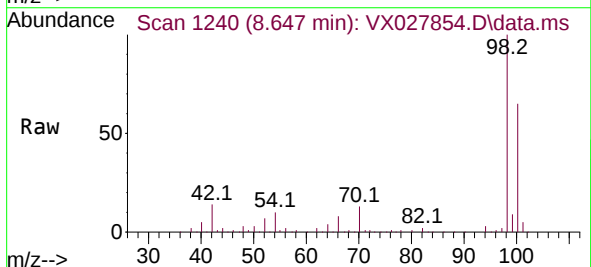
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20220319

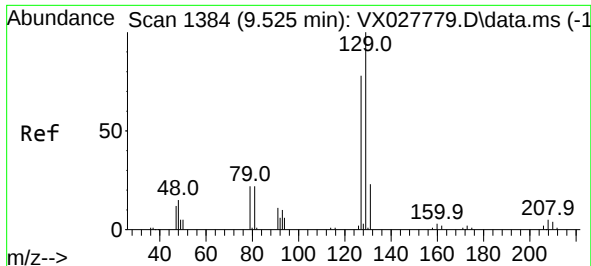
Tgt Ion: 98 Resp: 157130
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.526 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX027854.D
Acq: 31 Mar 2022 17:40

Tgt Ion: 43 Resp: 798
Ion Ratio Lower Upper
43 100
58 170.9 36.1 54.1#

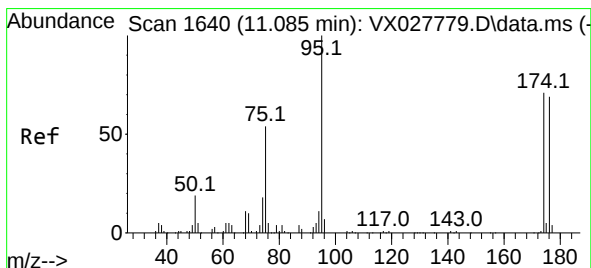
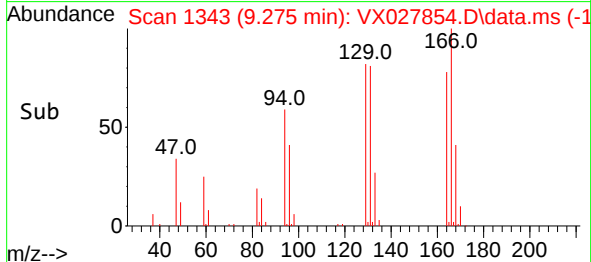
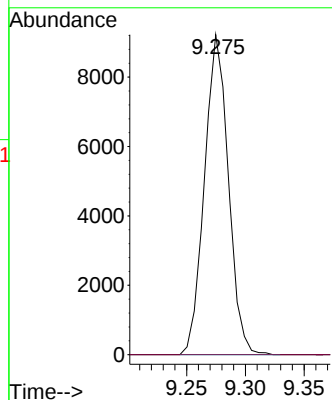
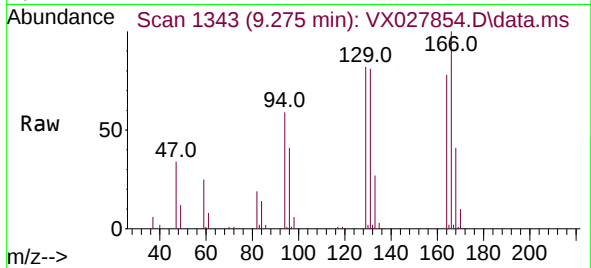




#60
Dibromochloromethane
Concen: 13.504 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX027854.D
Acq: 31 Mar 2022 17:40

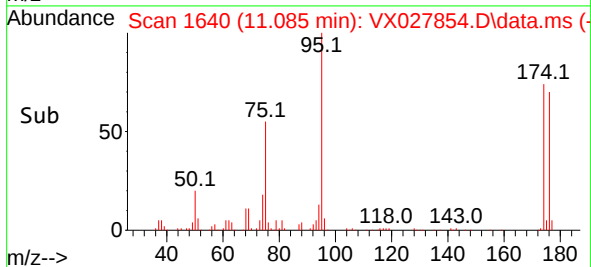
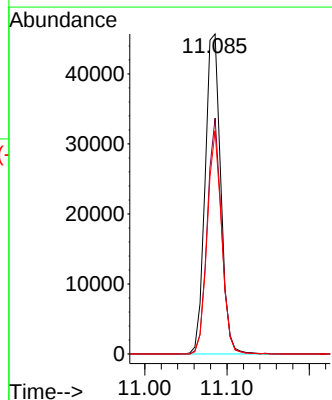
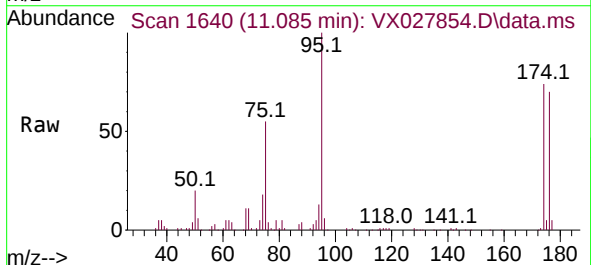
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20220319

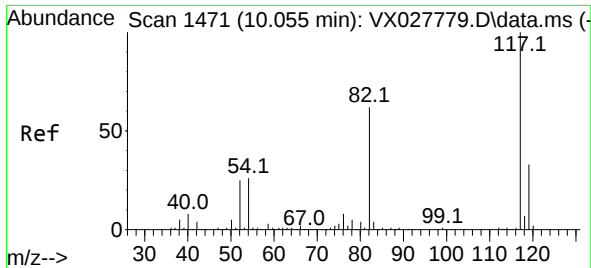
Tgt Ion:129 Resp: 13059
Ion Ratio Lower Upper
129 100
127 0.0 40.3 120.8#



#62
4-Bromofluorobenzene
Concen: 46.018 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX027854.D
Acq: 31 Mar 2022 17:40

Tgt Ion: 95 Resp: 60182
Ion Ratio Lower Upper
95 100
174 67.5 0.0 163.0
176 64.6 0.0 155.0

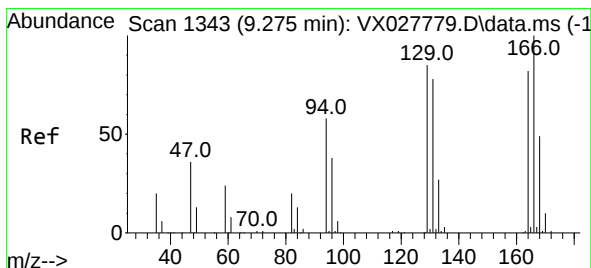
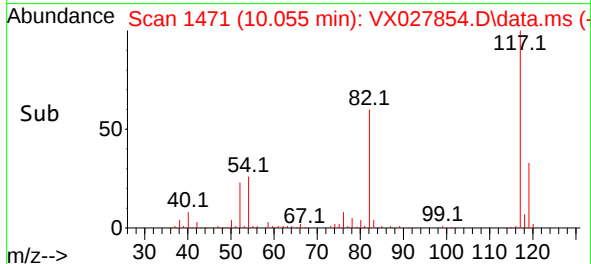
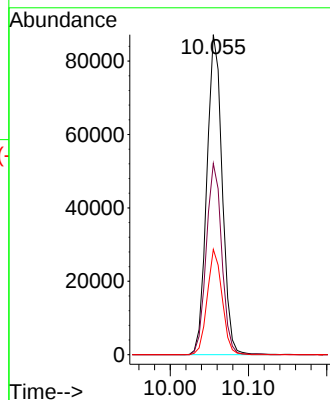
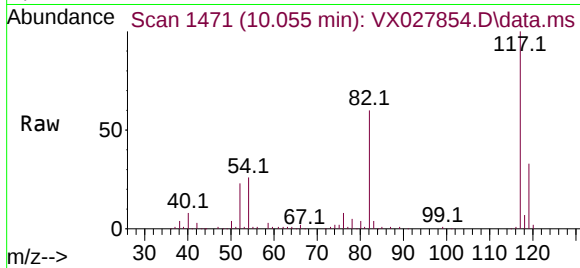




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027854.D
Acq: 31 Mar 2022 17:40

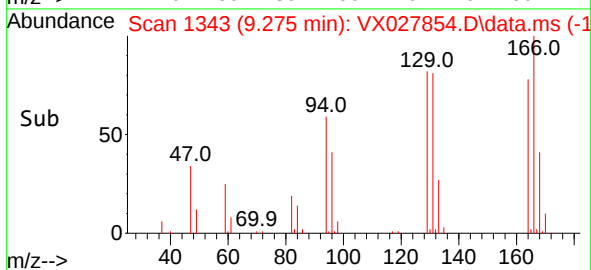
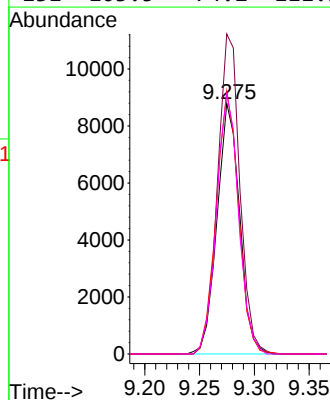
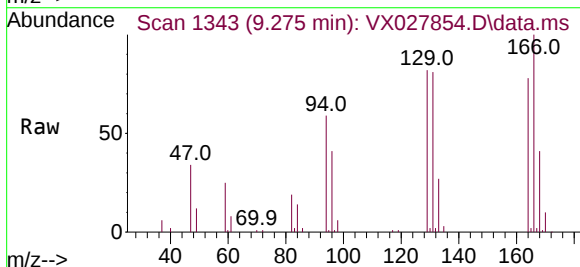
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20220319

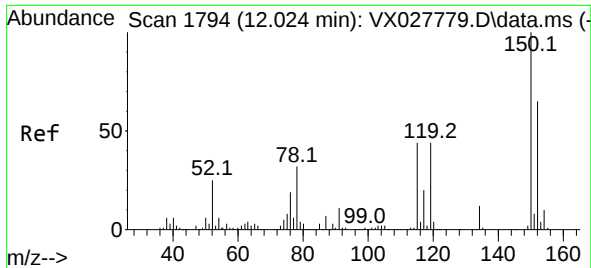
Tgt Ion:117 Resp: 118504
Ion Ratio Lower Upper
117 100
82 59.7 41.8 62.8
119 32.9 24.8 37.2



#64
Tetrachloroethene
Concen: 15.598 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX027854.D
Acq: 31 Mar 2022 17:40

Tgt Ion:164 Resp: 12533
Ion Ratio Lower Upper
164 100
166 127.7 101.2 151.8
129 104.9 73.0 109.4
131 103.5 74.2 111.2

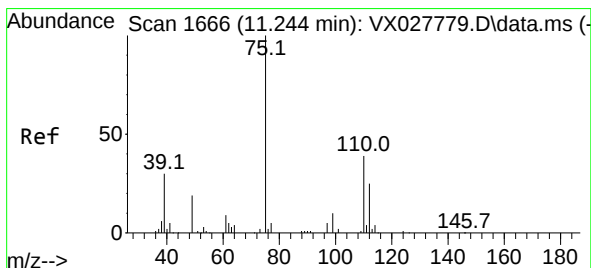
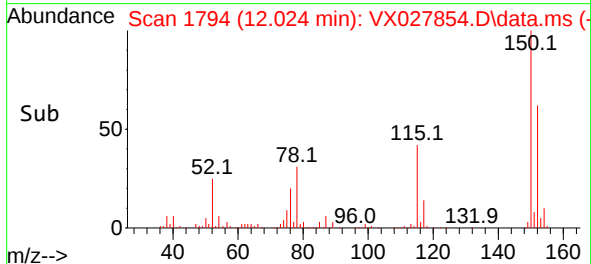
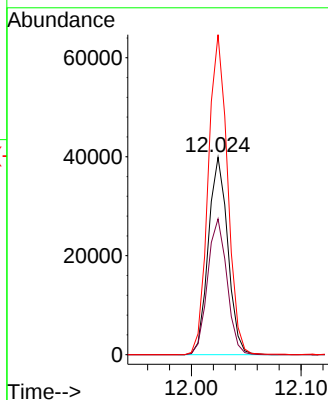
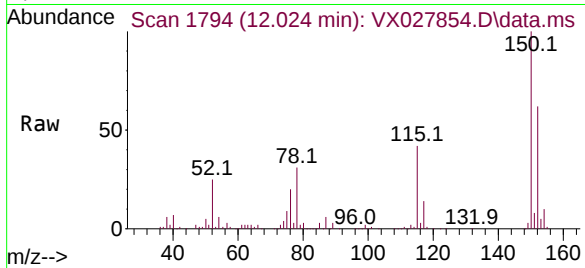




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX027854.D
 Acq: 31 Mar 2022 17:40

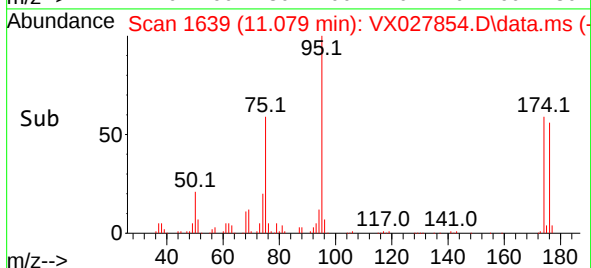
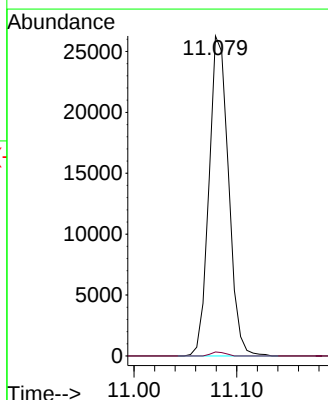
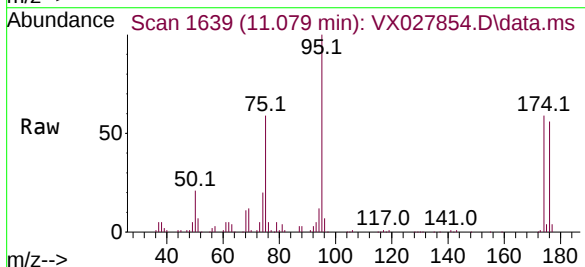
Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20220319

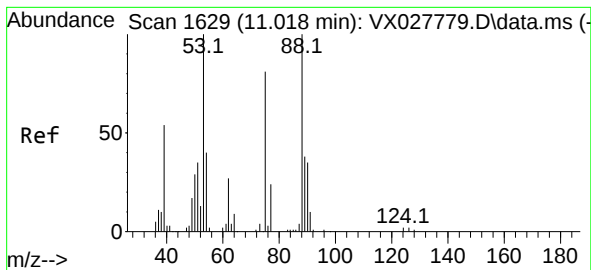
Tgt Ion:152 Resp: 49191
 Ion Ratio Lower Upper
 152 100
 115 68.4 37.5 112.7
 150 161.1 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 29.937 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX027854.D
 Acq: 31 Mar 2022 17:40

Tgt Ion: 75 Resp: 34546
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.208 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX027854.D
 Acq: 31 Mar 2022 17:40

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20220319

Tgt Ion: 75 Resp: 34546
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.1 37.0 55.6#

