

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033122\
 Data File : VX027856.D
 Acq On : 31 Mar 2022 18:28
 Operator : JC/MD
 Sample : N2074-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D3-20220319

Quant Time: Apr 01 04:10:36 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)

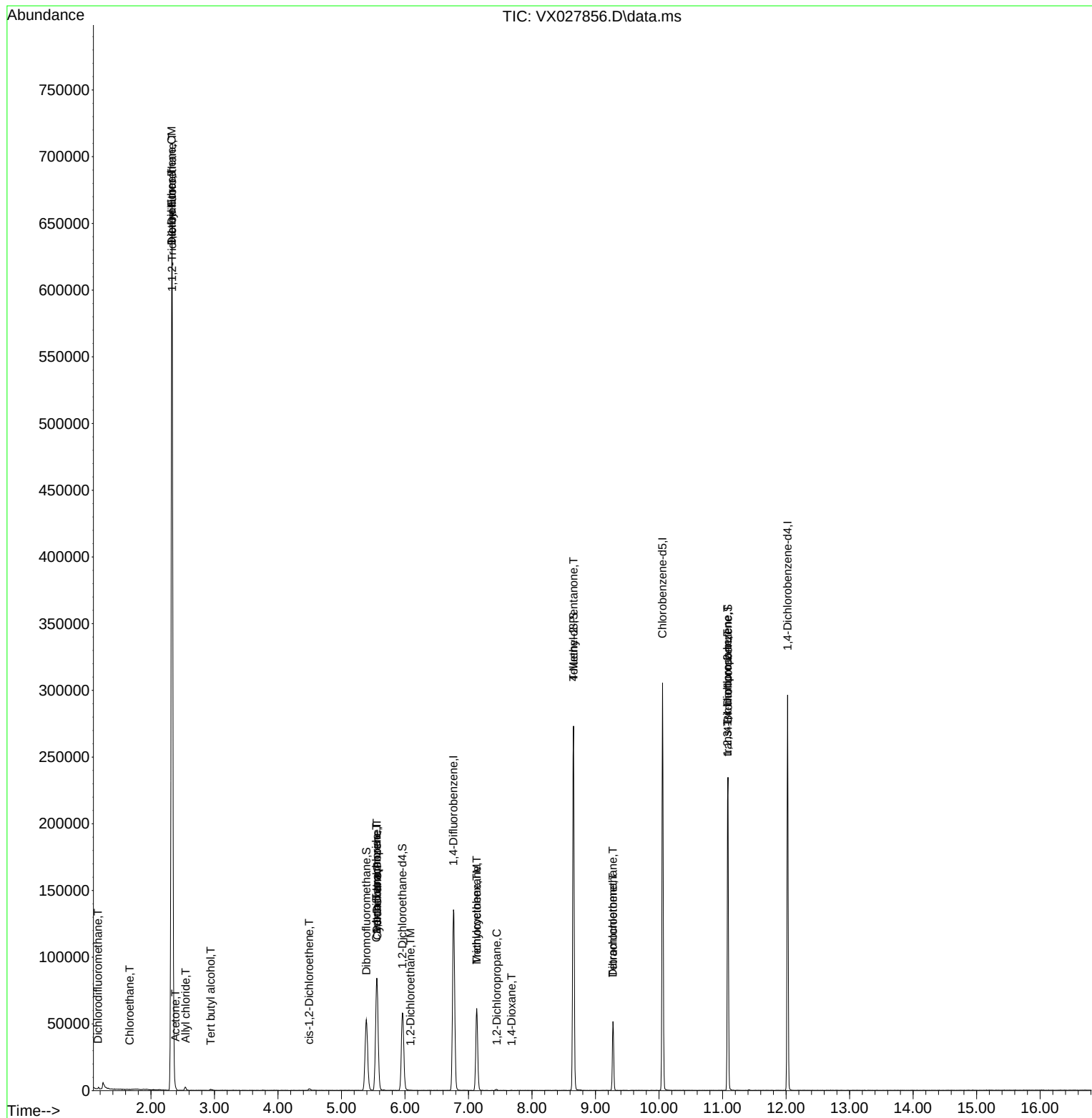
Internal Standards						
1) Pentafluorobenzene	5.556	168	72185	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	129641	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	52665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	61065	65.564	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 131.120%	
35) Dibromofluoromethane	5.391	113	44941	53.706	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 107.420%	
50) Toluene-d8	8.653	98	156760	53.243	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 106.480%	
62) 4-Bromofluorobenzene	11.085	95	62534	49.979	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 99.960%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	236	0.361	ug/l	# 42
6) Chloroethane	1.666	64	146	0.365	ug/l	# 43
8) Diethyl Ether	2.325	74	124	0.332	ug/l	# 7
9) 1,1,2-Trichlorotrifluo...	2.331	101	253671	375.299	ug/l	96
11) Tert butyl alcohol	2.940	59	504	2.817	ug/l	# 72
12) 1,1-Dichloroethene	2.325	96	1836	2.960	ug/l	86
14) Allyl chloride	2.544	41	293	0.257	ug/l	# 74
16) Acetone	2.386	43	751	1.822	ug/l	# 85
27) cis-1,2-Dichloroethene	4.489	96	629	0.775	ug/l	86
31) Cyclohexane	5.562	56	1989	1.932	ug/l	# 54
36) 1,1-Dichloropropene	5.556	75	6603	6.265	ug/l	# 48
38) Carbon Tetrachloride	5.550	117	8540	7.334	ug/l	# 15
39) Methylcyclohexane	7.129	83	268	0.216	ug/l	# 1
42) 1,2-Dichloroethane	6.086	62	370	0.290	ug/l	# 73
44) Trichloroethene	7.129	130	22116	25.479	ug/l	90
45) 1,2-Dichloropropane	7.446	63	420	0.489	ug/l	# 42
49) 1,4-Dioxane	7.677	88	98	4.523	ug/l	# 25
51) 4-Methyl-2-Pentanone	8.653	43	819	0.564	ug/l	# 1
60) Dibromochloromethane	9.275	129	9064	9.797	ug/l	# 9
64) Tetrachloroethene	9.275	164	8634	10.489	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	35245	28.528	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	35245	83.269	ug/l	# 15

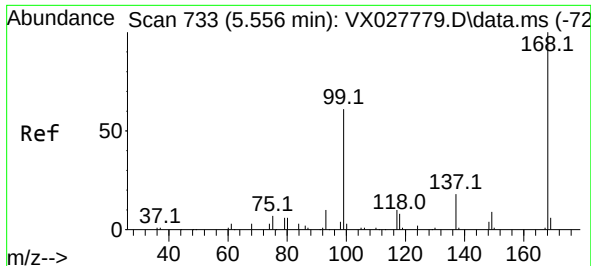
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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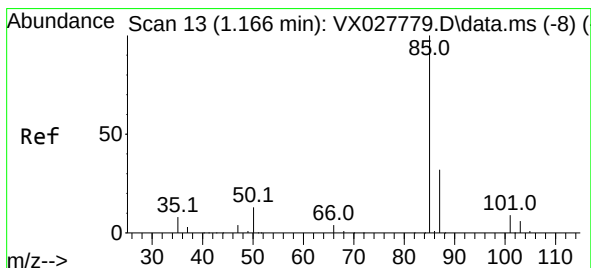
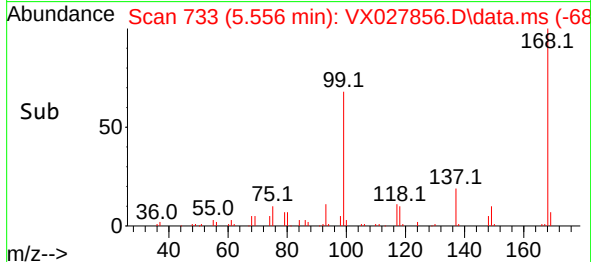
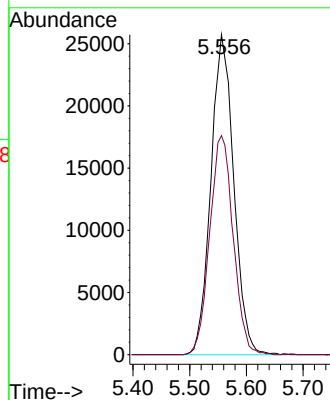
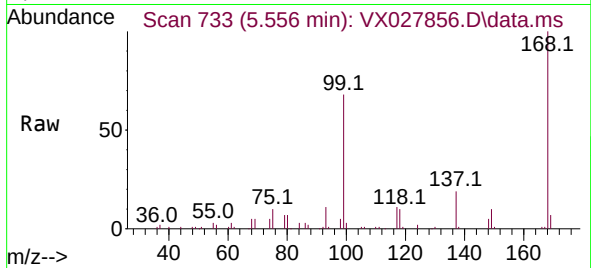




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027856.D
Acq: 31 Mar 2022 18:28

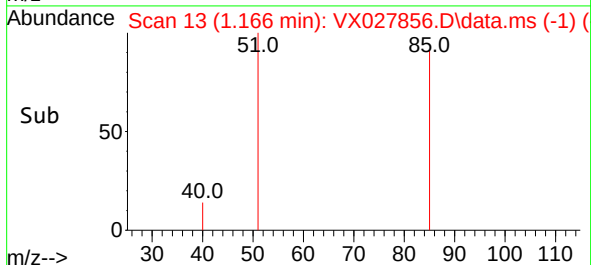
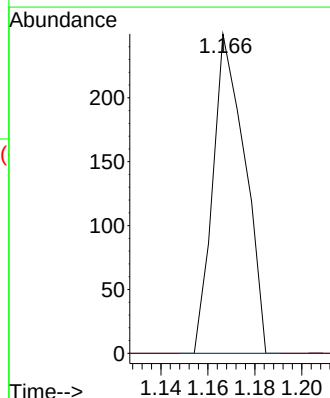
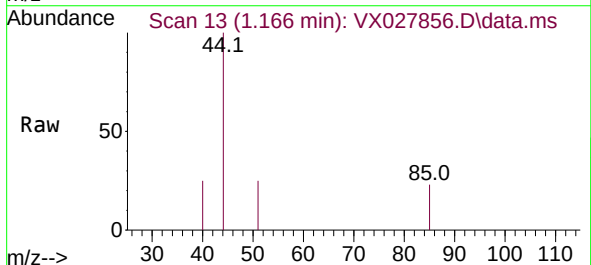
Instrument : MSVOA_X
ClientSampleId : RE131D3-20220319

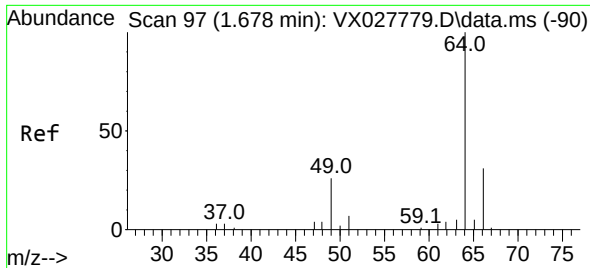
Tgt Ion:168 Resp: 72185
Ion Ratio Lower Upper
168 100
99 68.4 41.7 62.5#



#2
Dichlorodifluoromethane
Concen: 0.361 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX027856.D
Acq: 31 Mar 2022 18:28

Tgt Ion: 85 Resp: 236
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.6#

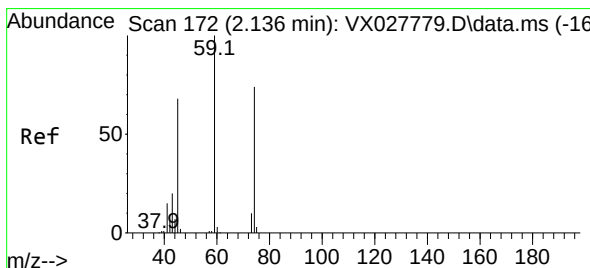
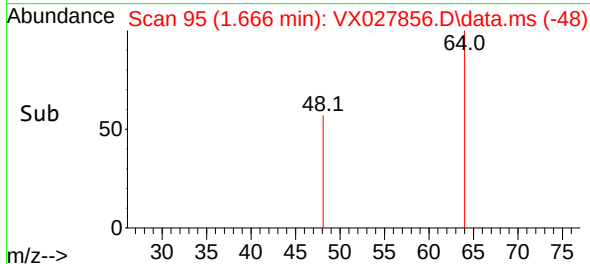
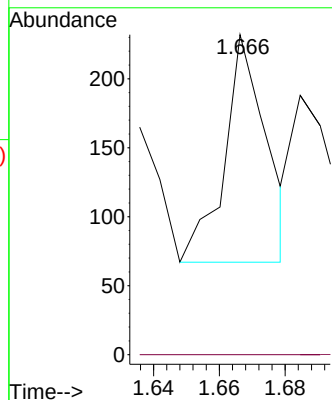
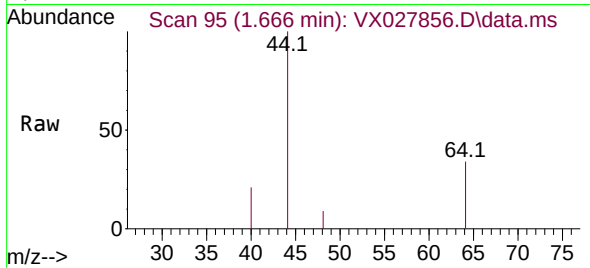




#6
Chloroethane
Concen: 0.365 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.012 min
Lab File: VX027856.D
Acq: 31 Mar 2022 18:28

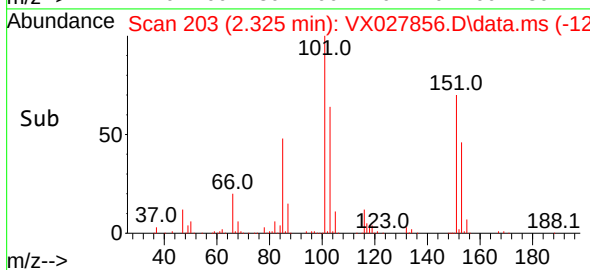
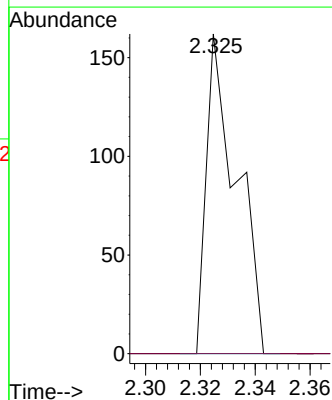
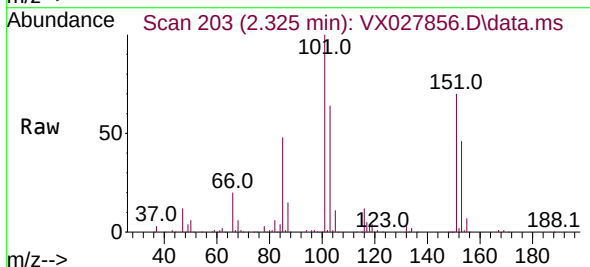
Instrument :
MSVOA_X
ClientSampleId :
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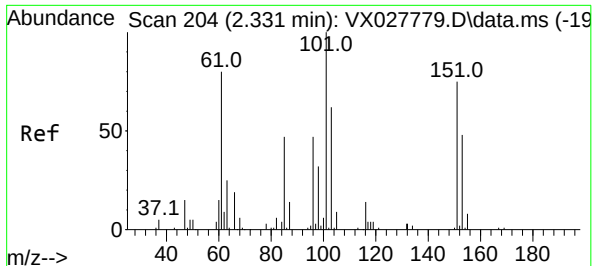
Tgt Ion: 64 Resp: 146
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#8
Diethyl Ether
Concen: 0.332 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.189 min
Lab File: VX027856.D
Acq: 31 Mar 2022 18:28

Tgt Ion: 74 Resp: 124
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#

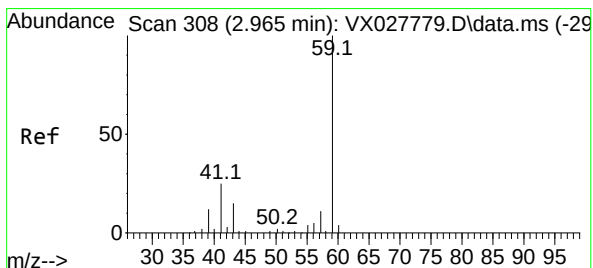
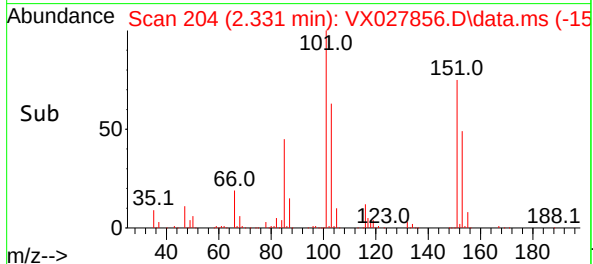
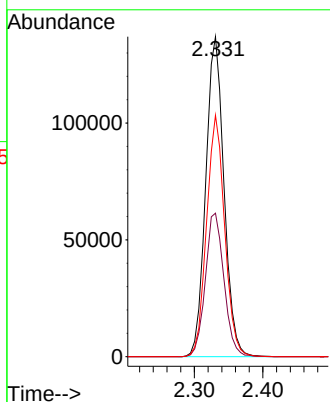
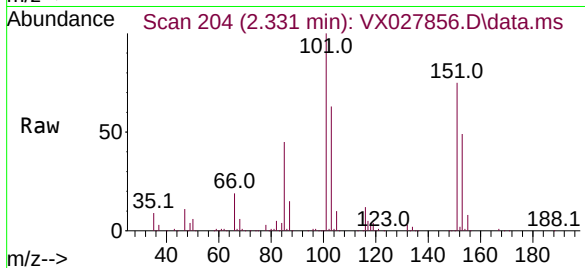




#9
1,1,2-Trichlorotrifluoroethane
Concen: 375.299 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX027856.D
Acq: 31 Mar 2022 18:28

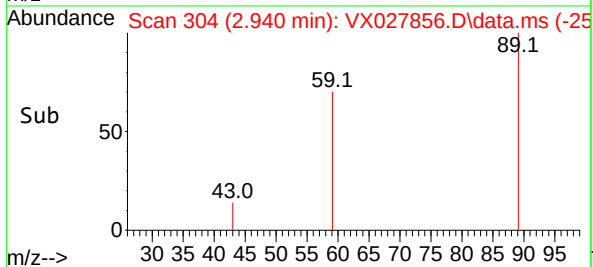
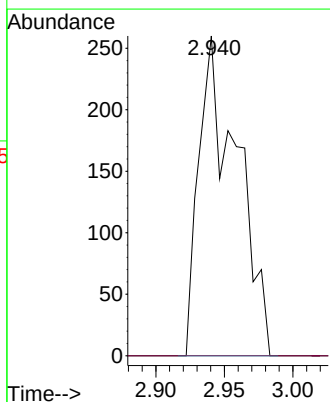
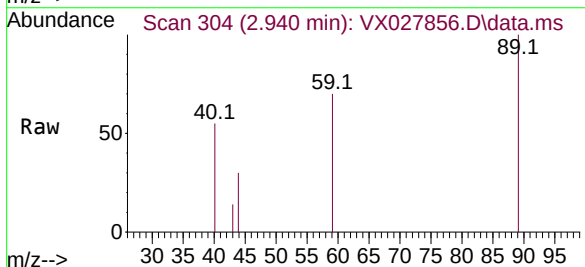
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20220319

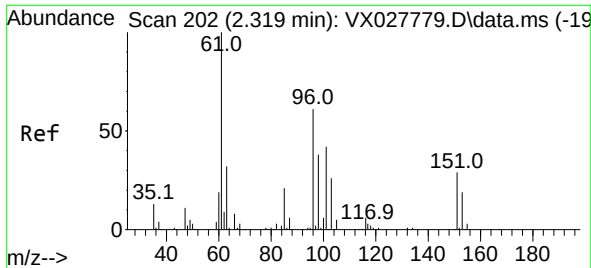
Tgt Ion:101 Resp: 253671
Ion Ratio Lower Upper
101 100
85 45.8 33.5 50.3
151 74.9 61.8 92.6



#11
Tert butyl alcohol
Concen: 2.817 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.025 min
Lab File: VX027856.D
Acq: 31 Mar 2022 18:28

Tgt Ion: 59 Resp: 504
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 2.960 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX027856.D

Acq: 31 Mar 2022 18:28

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20220319

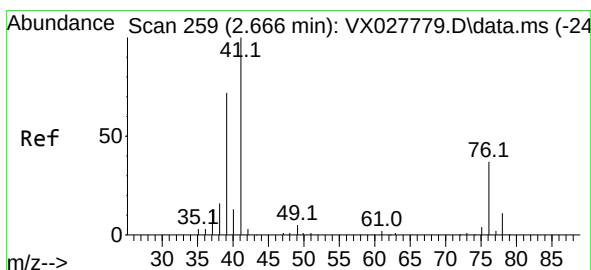
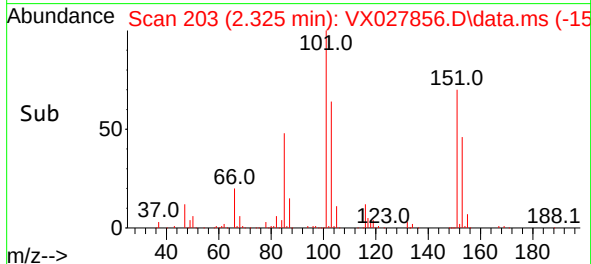
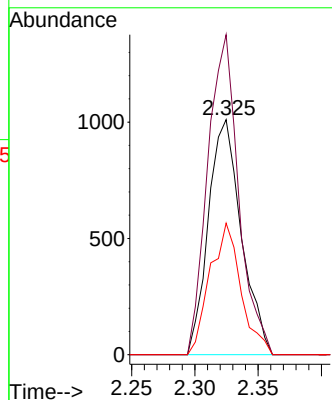
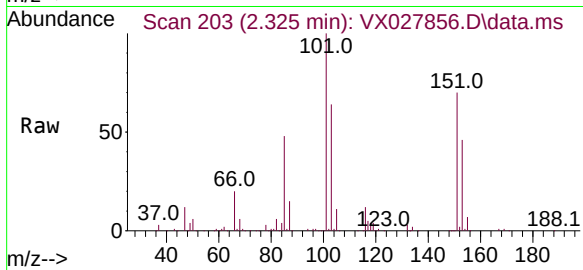
Tgt Ion: 96 Resp: 1836

Ion Ratio Lower Upper

96 100

61 136.1 124.6 187.0

98 56.0 51.0 76.4



#14

Allyl chloride

Concen: 0.257 ug/l

RT: 2.544 min Scan# 239

Delta R.T. -0.122 min

Lab File: VX027856.D

Acq: 31 Mar 2022 18:28

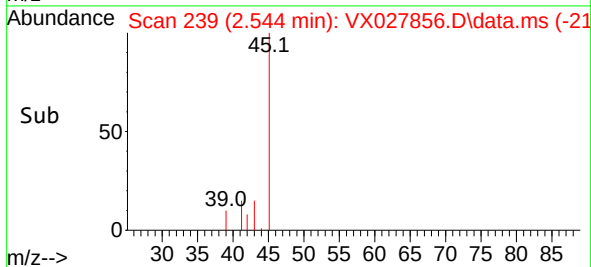
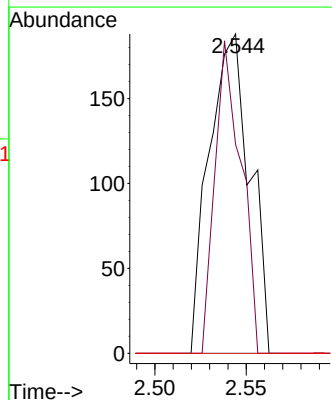
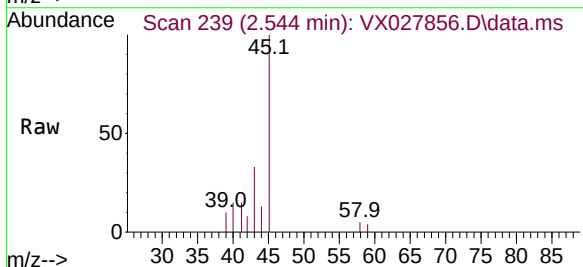
Tgt Ion: 41 Resp: 293

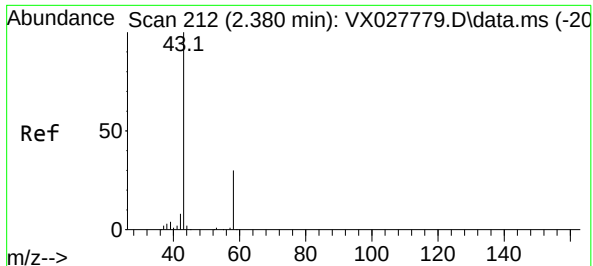
Ion Ratio Lower Upper

41 100

39 62.8 50.4 75.6

76 0.0 32.7 49.1#

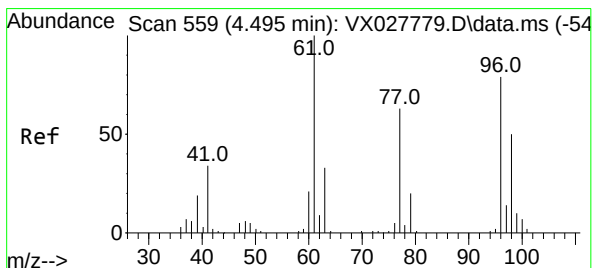
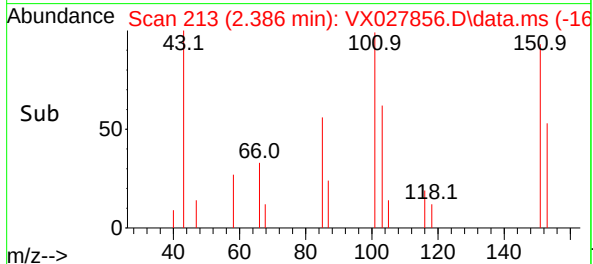
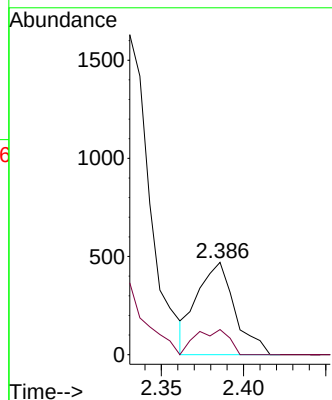
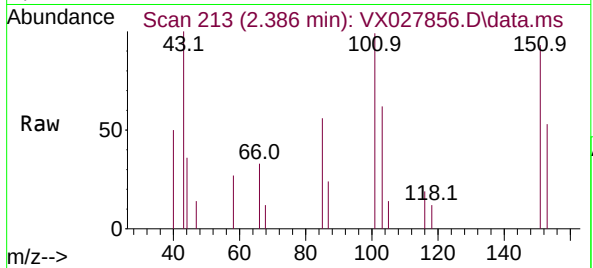




#16
Acetone
Concen: 1.822 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX027856.D
Acq: 31 Mar 2022 18:28

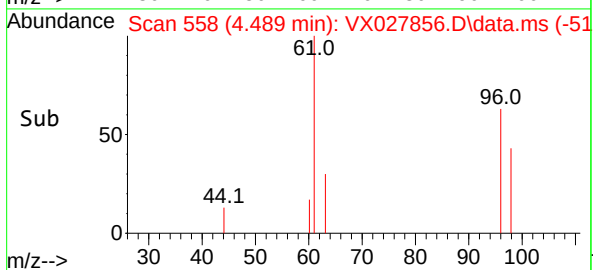
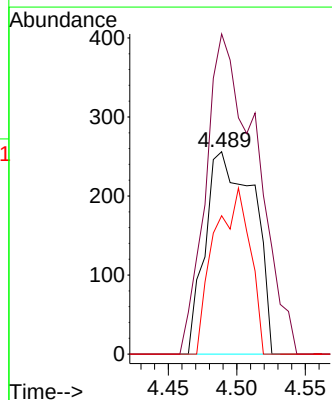
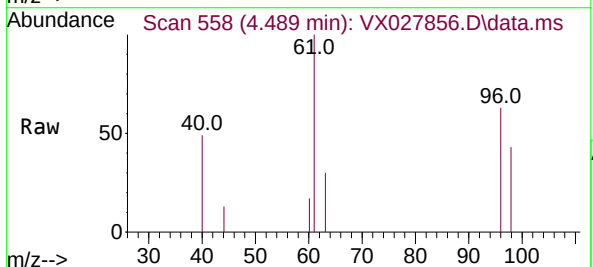
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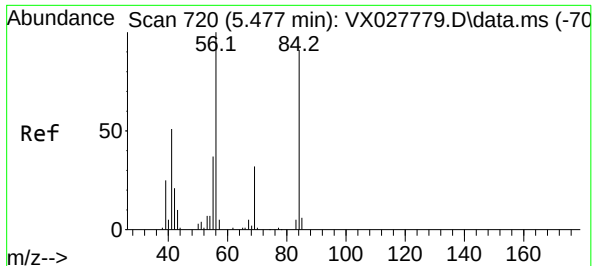
Tgt Ion: 43 Resp: 751
Ion Ratio Lower Upper
43 100
58 27.2 28.8 43.2#



#27
cis-1,2-Dichloroethene
Concen: 0.775 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.006 min
Lab File: VX027856.D
Acq: 31 Mar 2022 18:28

Tgt Ion: 96 Resp: 629
Ion Ratio Lower Upper
96 100
61 164.4 0.0 283.8
98 60.9 0.0 129.8

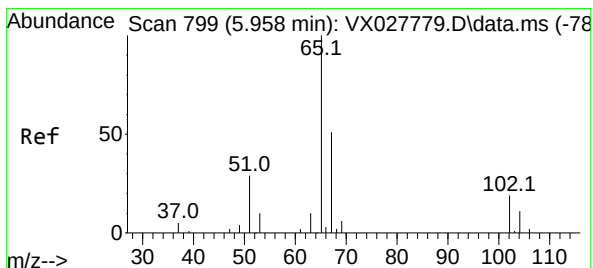
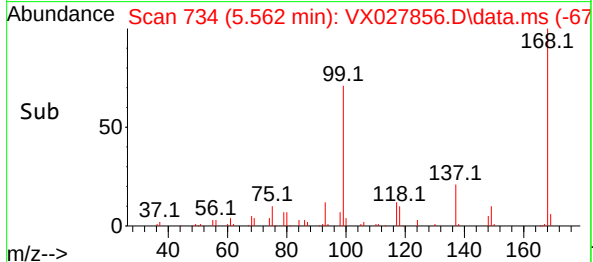
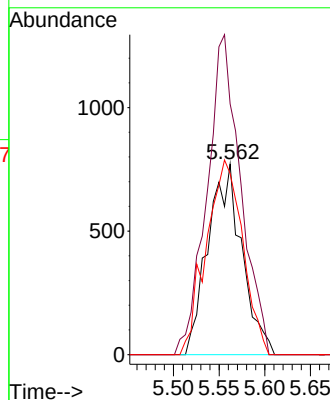
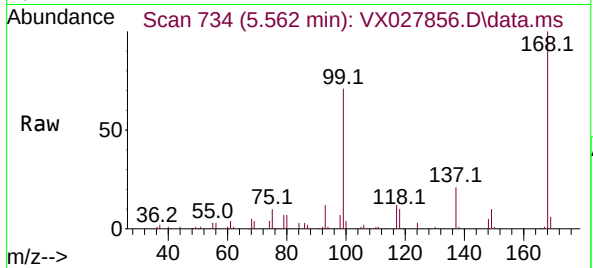




#31
Cyclohexane
Concen: 1.932 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX027856.D
Acq: 31 Mar 2022 18:28

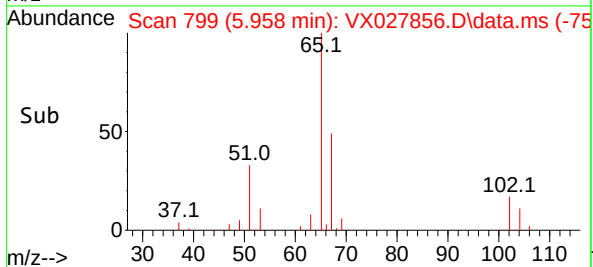
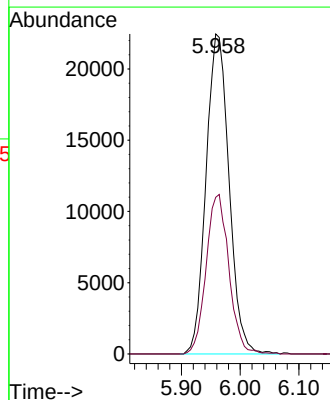
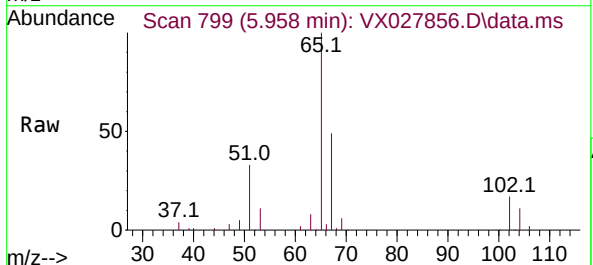
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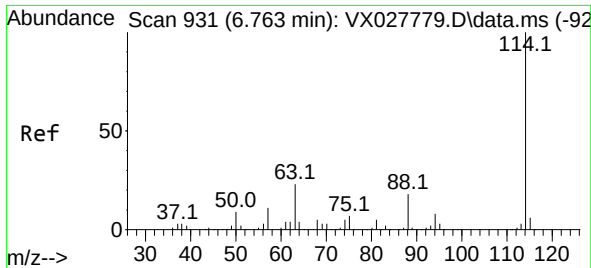
Tgt Ion: 56 Resp: 1989
Ion Ratio Lower Upper
56 100
69 131.6 26.7 40.1#
84 95.1 77.2 115.8



#33
1,2-Dichloroethane-d4
Concen: 65.564 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027856.D
Acq: 31 Mar 2022 18:28

Tgt Ion: 65 Resp: 61065
Ion Ratio Lower Upper
65 100
67 49.4 0.0 107.4

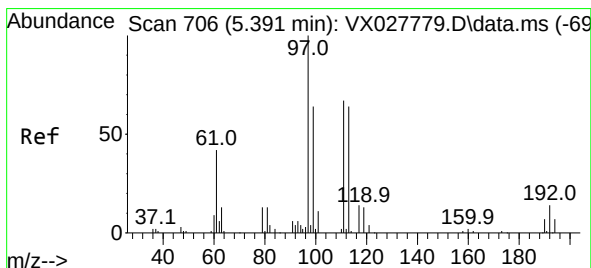
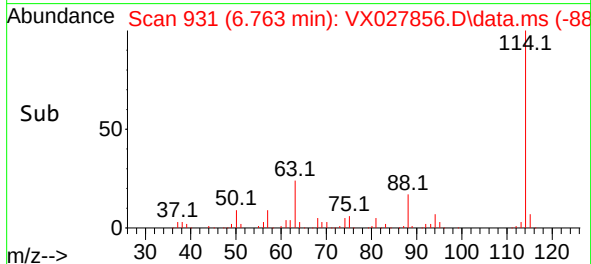
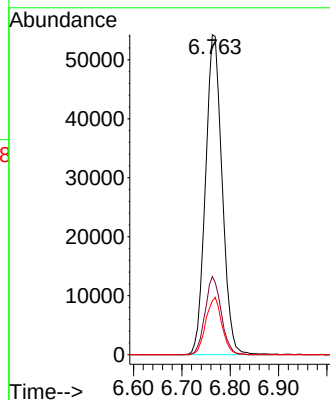
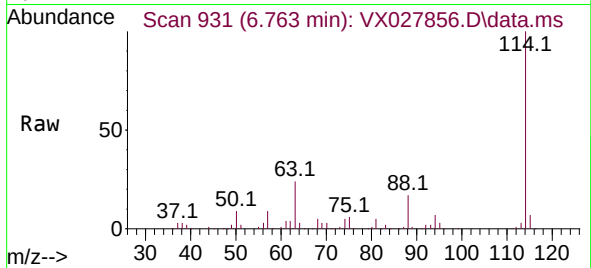




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX027856.D
Acq: 31 Mar 2022 18:28

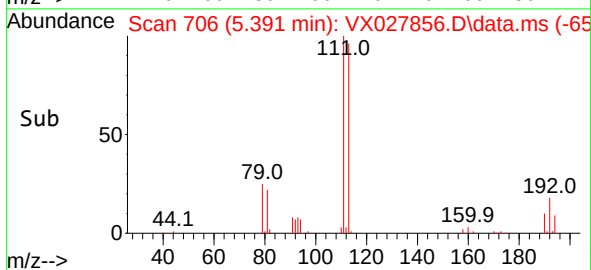
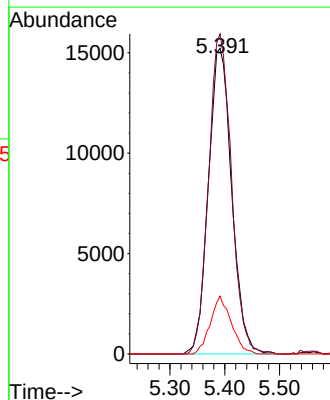
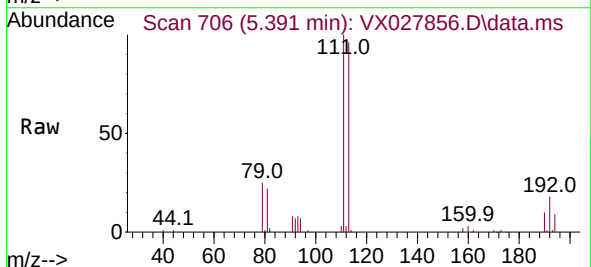
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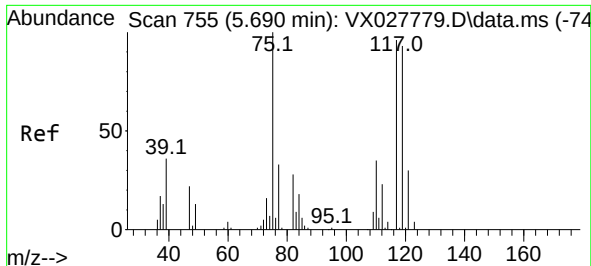
Tgt Ion:114 Resp: 129641
Ion Ratio Lower Upper
114 100
63 24.4 0.0 36.8
88 16.8 0.0 32.4



#35
Dibromofluoromethane
Concen: 53.706 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027856.D
Acq: 31 Mar 2022 18:28

Tgt Ion:113 Resp: 44941
Ion Ratio Lower Upper
113 100
111 102.4 82.8 124.2
192 17.0 16.9 25.3





#36

1,1-Dichloropropene

Concen: 6.265 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX027856.D

Acq: 31 Mar 2022 18:28

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20220319

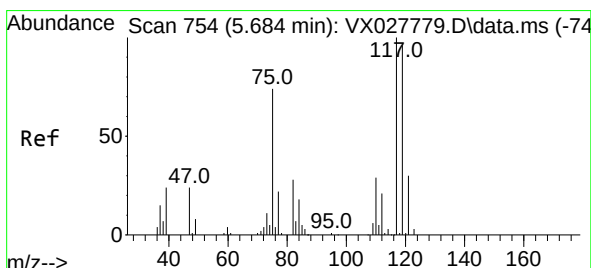
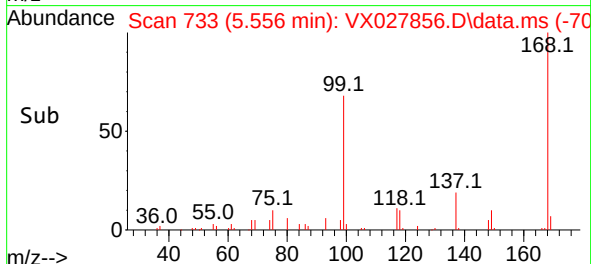
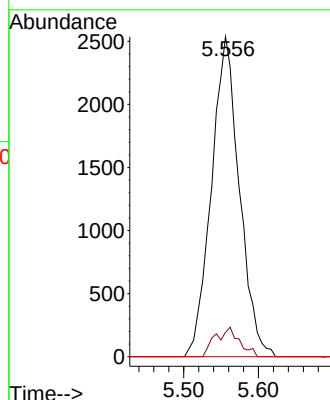
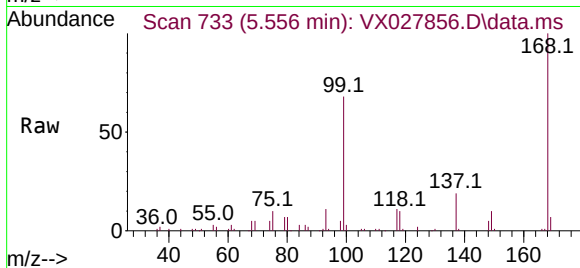
Tgt Ion: 75 Resp: 6603

Ion Ratio Lower Upper

75 100

110 7.9 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.334 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX027856.D

Acq: 31 Mar 2022 18:28

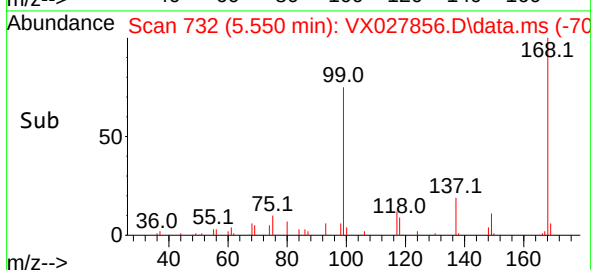
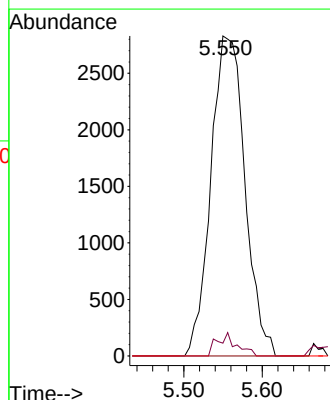
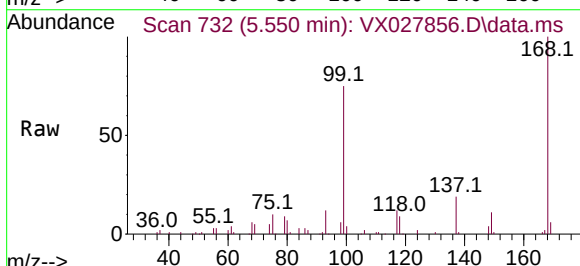
Tgt Ion: 117 Resp: 8540

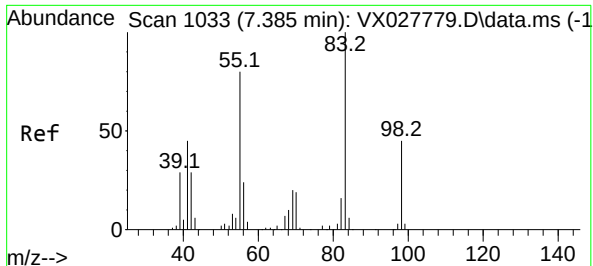
Ion Ratio Lower Upper

117 100

119 4.0 77.3 115.9#

121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.216 ug/l

RT: 7.129 min Scan# 91

Delta R.T. -0.256 min

Lab File: VX027856.D

Acq: 31 Mar 2022 18:28

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20220319

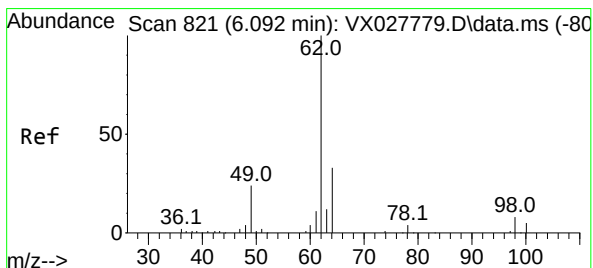
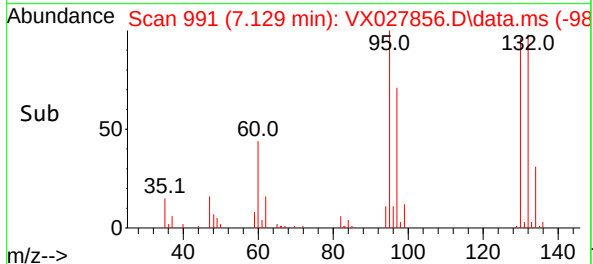
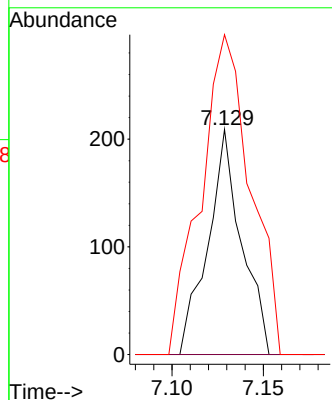
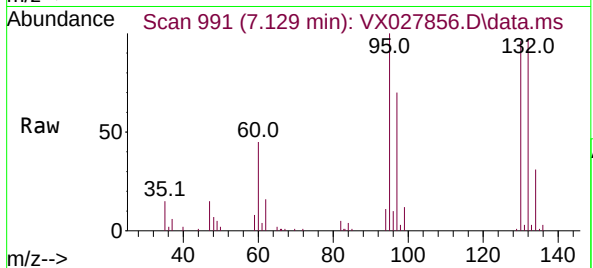
Tgt Ion: 83 Resp: 268

Ion Ratio Lower Upper

83 100

55 0.0 54.6 81.8#

98 142.1 37.4 56.2#



#42

1,2-Dichloroethane

Concen: 0.290 ug/l

RT: 6.086 min Scan# 820

Delta R.T. -0.006 min

Lab File: VX027856.D

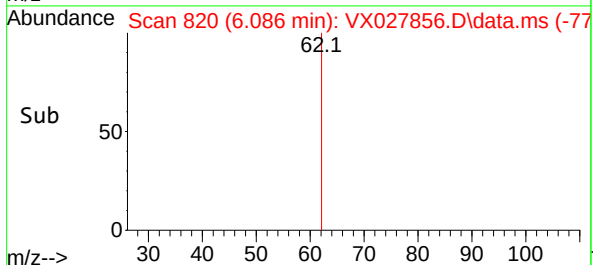
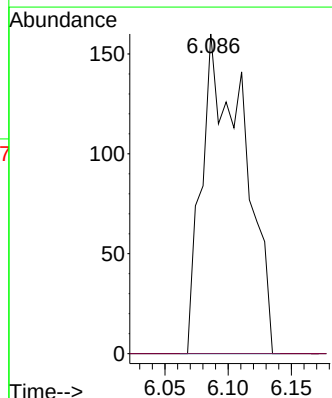
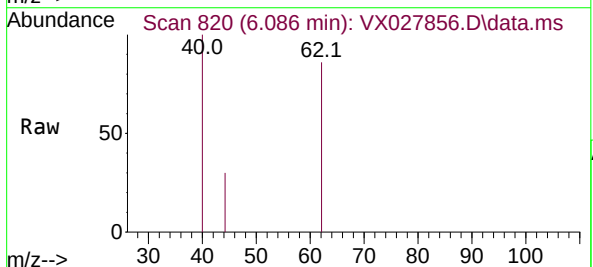
Acq: 31 Mar 2022 18:28

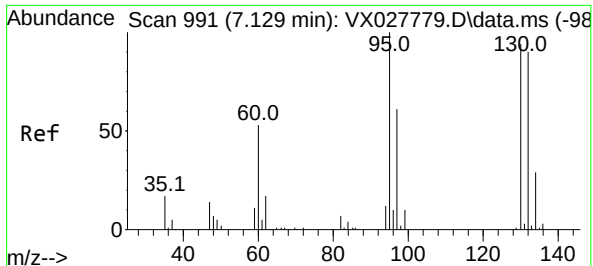
Tgt Ion: 62 Resp: 370

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4

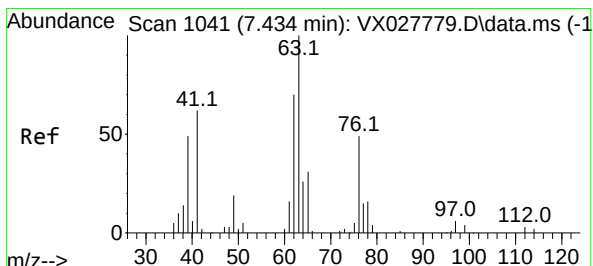
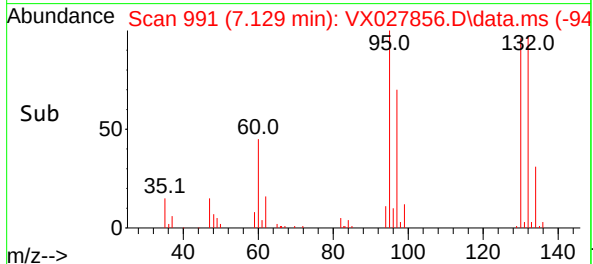
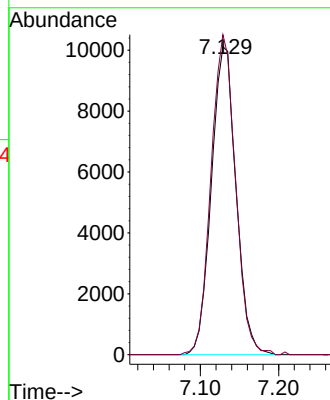
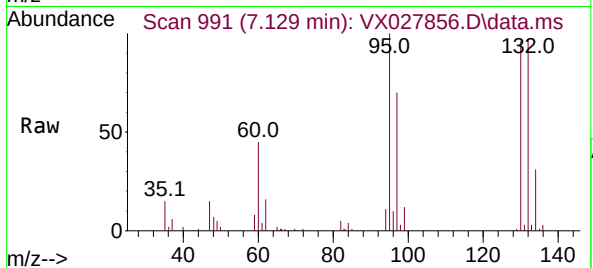




#44
Trichloroethene
Concen: 25.479 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX027856.D
Acq: 31 Mar 2022 18:28

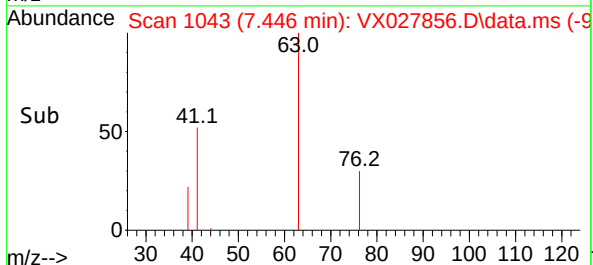
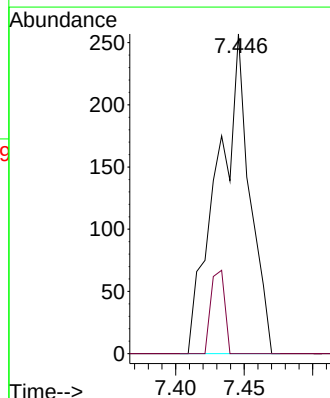
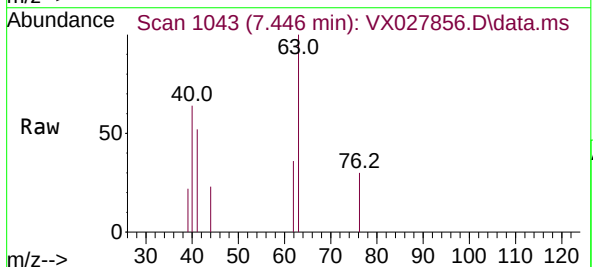
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20220319

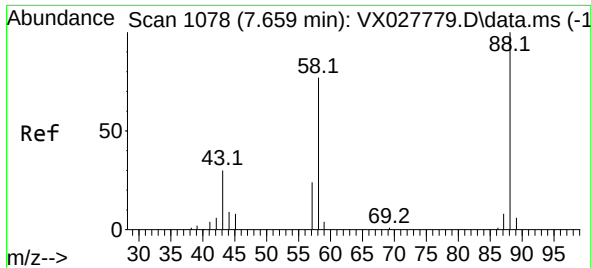
Tgt Ion:130 Resp: 22116
Ion Ratio Lower Upper
130 100
95 103.9 0.0 188.8



#45
1,2-Dichloropropane
Concen: 0.489 ug/l
RT: 7.446 min Scan# 1043
Delta R.T. 0.012 min
Lab File: VX027856.D
Acq: 31 Mar 2022 18:28

Tgt Ion: 63 Resp: 420
Ion Ratio Lower Upper
63 100
65 0.0 25.8 38.6#





#49

1,4-Dioxane

Concen: 4.523 ug/l

RT: 7.677 min Scan# 1081

Delta R.T. 0.018 min

Lab File: VX027856.D

Acq: 31 Mar 2022 18:28

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20220319

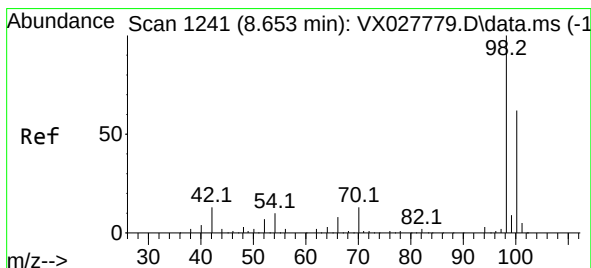
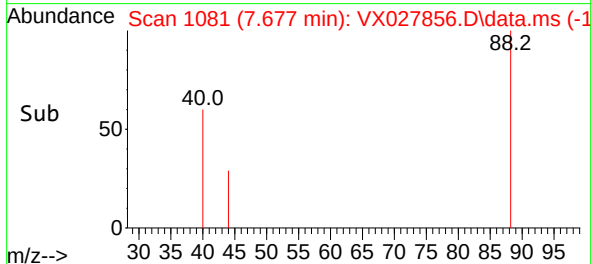
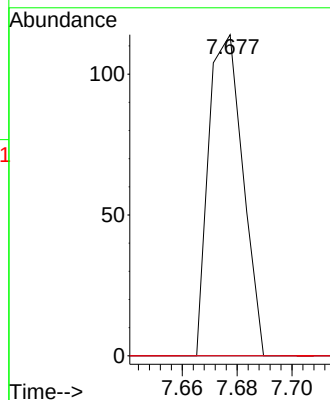
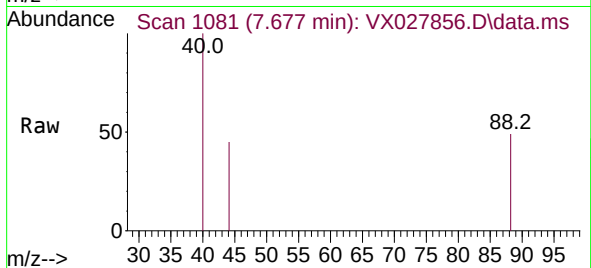
Tgt Ion: 88 Resp: 98

Ion Ratio Lower Upper

88 100

43 0.0 21.9 32.9#

58 0.0 53.7 80.5#



#50

Toluene-d8

Concen: 53.243 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX027856.D

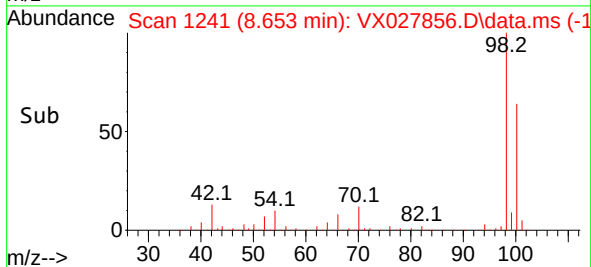
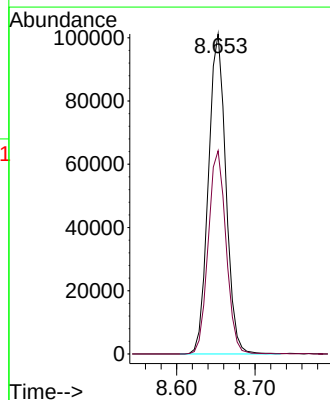
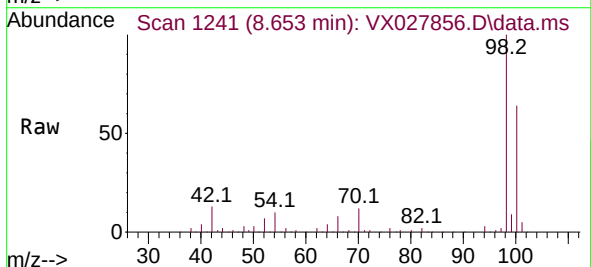
Acq: 31 Mar 2022 18:28

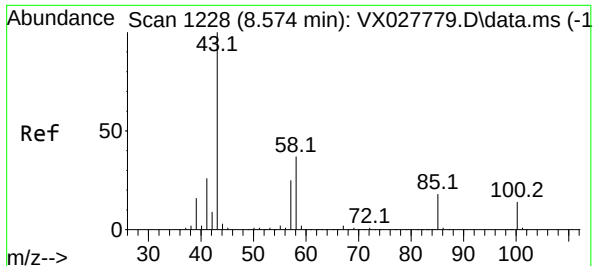
Tgt Ion: 98 Resp: 156760

Ion Ratio Lower Upper

98 100

100 64.5 52.6 78.8

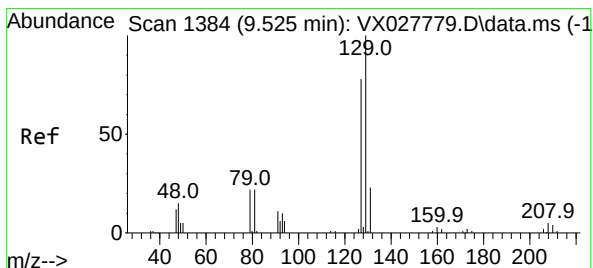
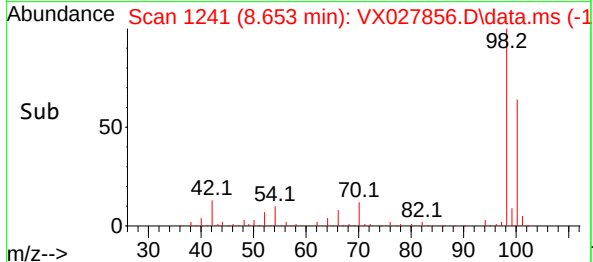
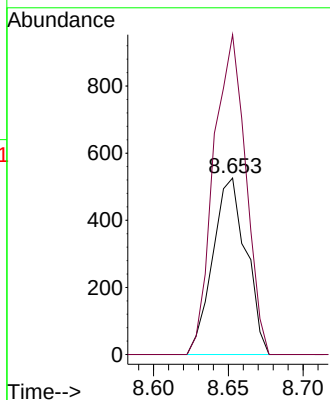
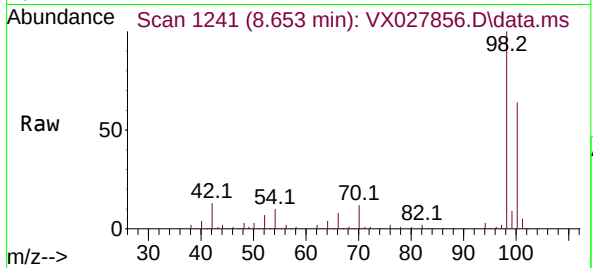




#51
4-Methyl-2-Pentanone
Concen: 0.564 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX027856.D
Acq: 31 Mar 2022 18:28

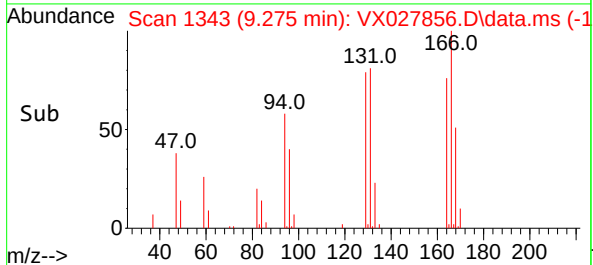
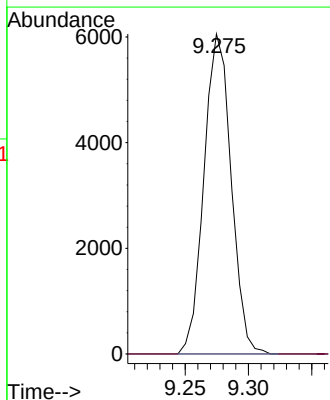
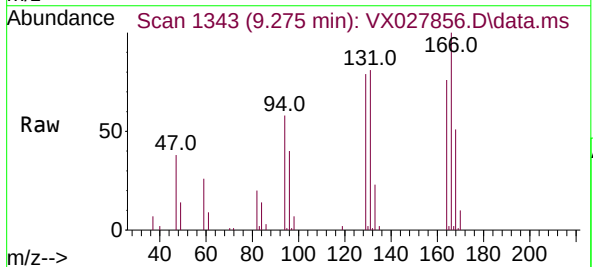
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20220319

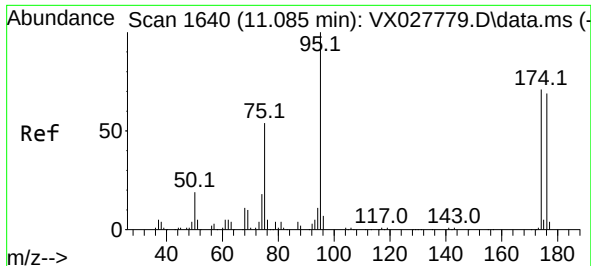
Tgt Ion: 43 Resp: 819
Ion Ratio Lower Upper
43 100
58 173.3 36.1 54.1#



#60
Dibromochloromethane
Concen: 9.797 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX027856.D
Acq: 31 Mar 2022 18:28

Tgt Ion: 129 Resp: 9064
Ion Ratio Lower Upper
129 100
127 0.0 40.3 120.8#

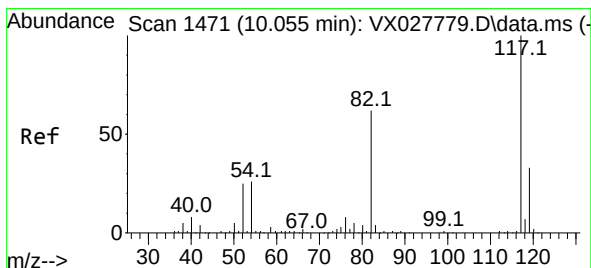
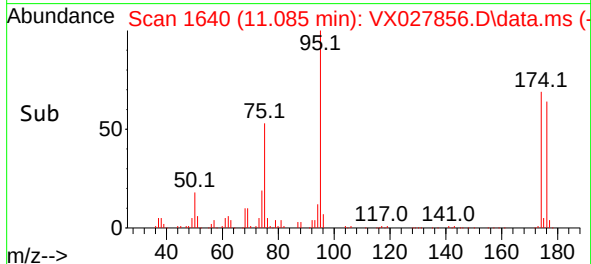
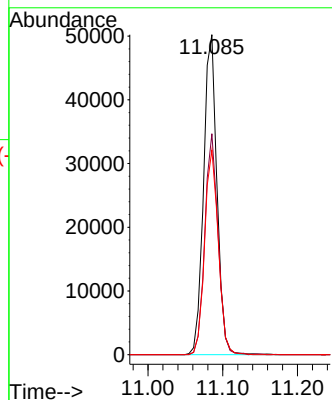
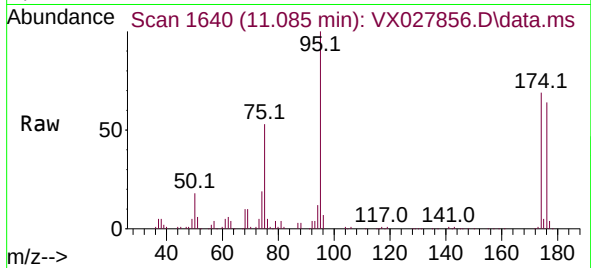




#62
4-Bromofluorobenzene
Concen: 49.979 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX027856.D
Acq: 31 Mar 2022 18:28

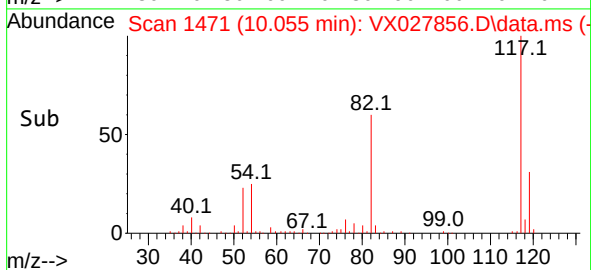
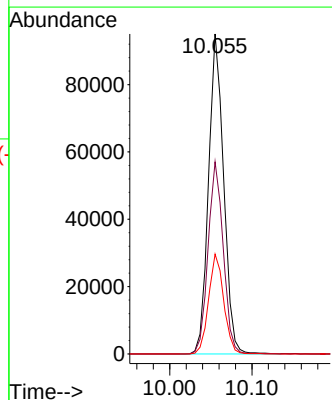
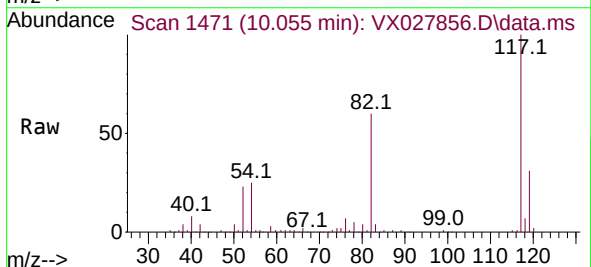
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20220319

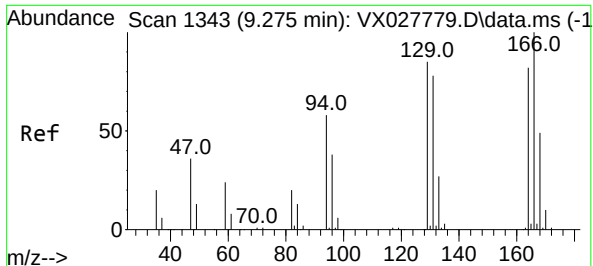
Tgt Ion: 95 Resp: 62534
Ion Ratio Lower Upper
95 100
174 67.9 0.0 163.0
176 65.1 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027856.D
Acq: 31 Mar 2022 18:28

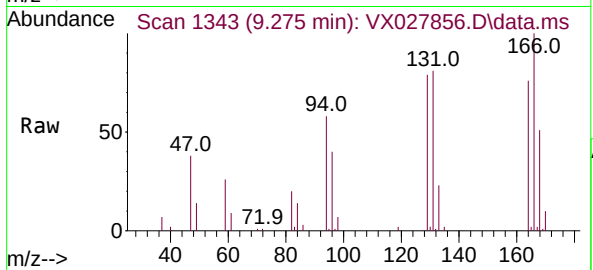
Tgt Ion: 117 Resp: 121400
Ion Ratio Lower Upper
117 100
82 60.1 41.8 62.8
119 31.2 24.8 37.2





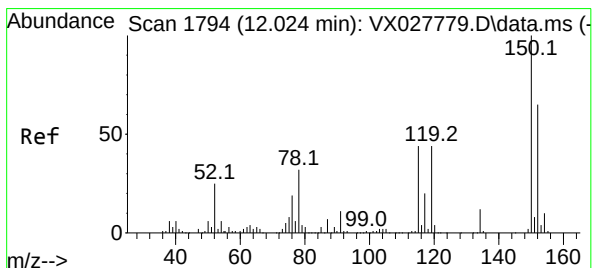
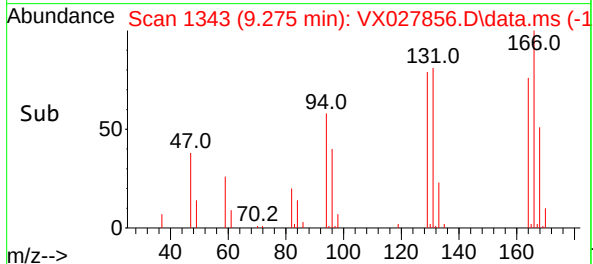
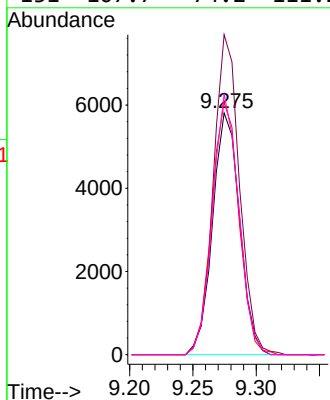
#64
Tetrachloroethene
Concen: 10.489 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027856.D
Acq: 31 Mar 2022 18:28

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20220319



Tgt Ion:164 Resp: 8634

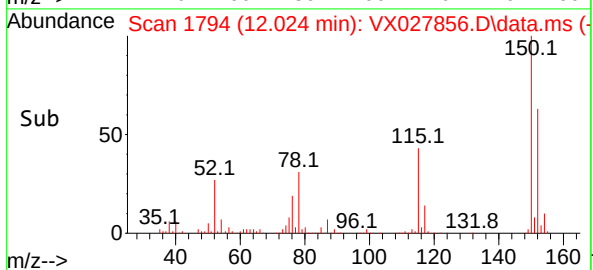
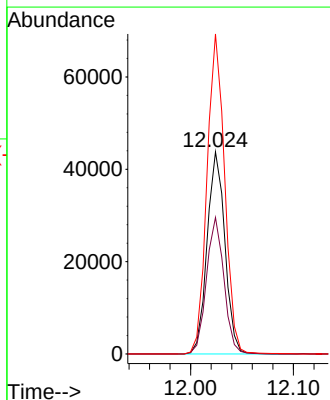
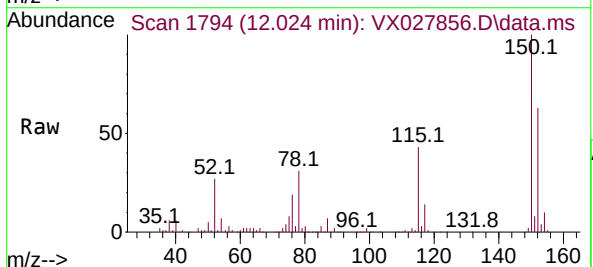
Ion	Ratio	Lower	Upper
164	100		
166	132.4	101.2	151.8
129	104.3	73.0	109.4
131	107.7	74.2	111.2

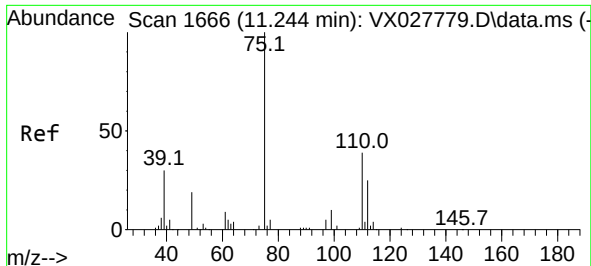


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027856.D
Acq: 31 Mar 2022 18:28

Tgt Ion:152 Resp: 52665

Ion	Ratio	Lower	Upper
152	100		
115	66.4	37.5	112.7
150	157.3	0.0	338.2

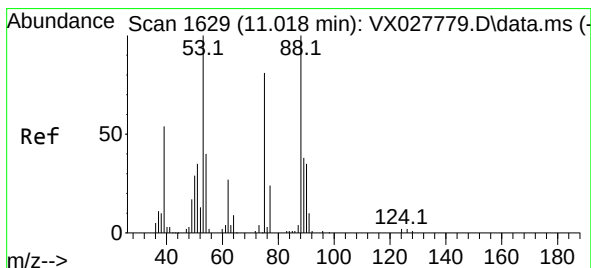
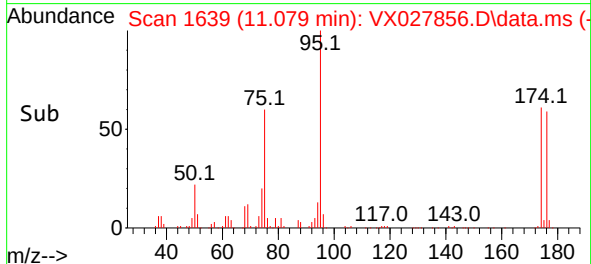
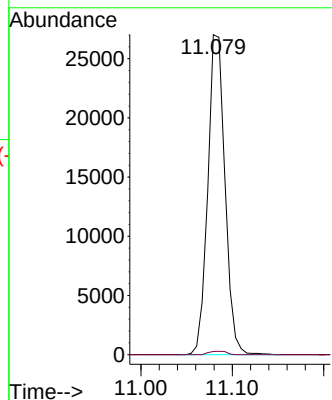
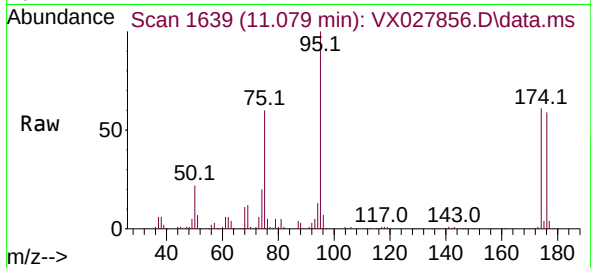




#76
1,2,3-Trichloropropane
Concen: 28.528 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027856.D
Acq: 31 Mar 2022 18:28

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20220319

Tgt Ion: 75 Resp: 35245
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.269 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027856.D
Acq: 31 Mar 2022 18:28

Tgt Ion: 75 Resp: 35245
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

