

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033122\
 Data File : VX027857.D
 Acq On : 31 Mar 2022 18:51
 Operator : JC/MD
 Sample : N2074-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D2-20220318

Quant Time: Apr 01 04:10:54 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)

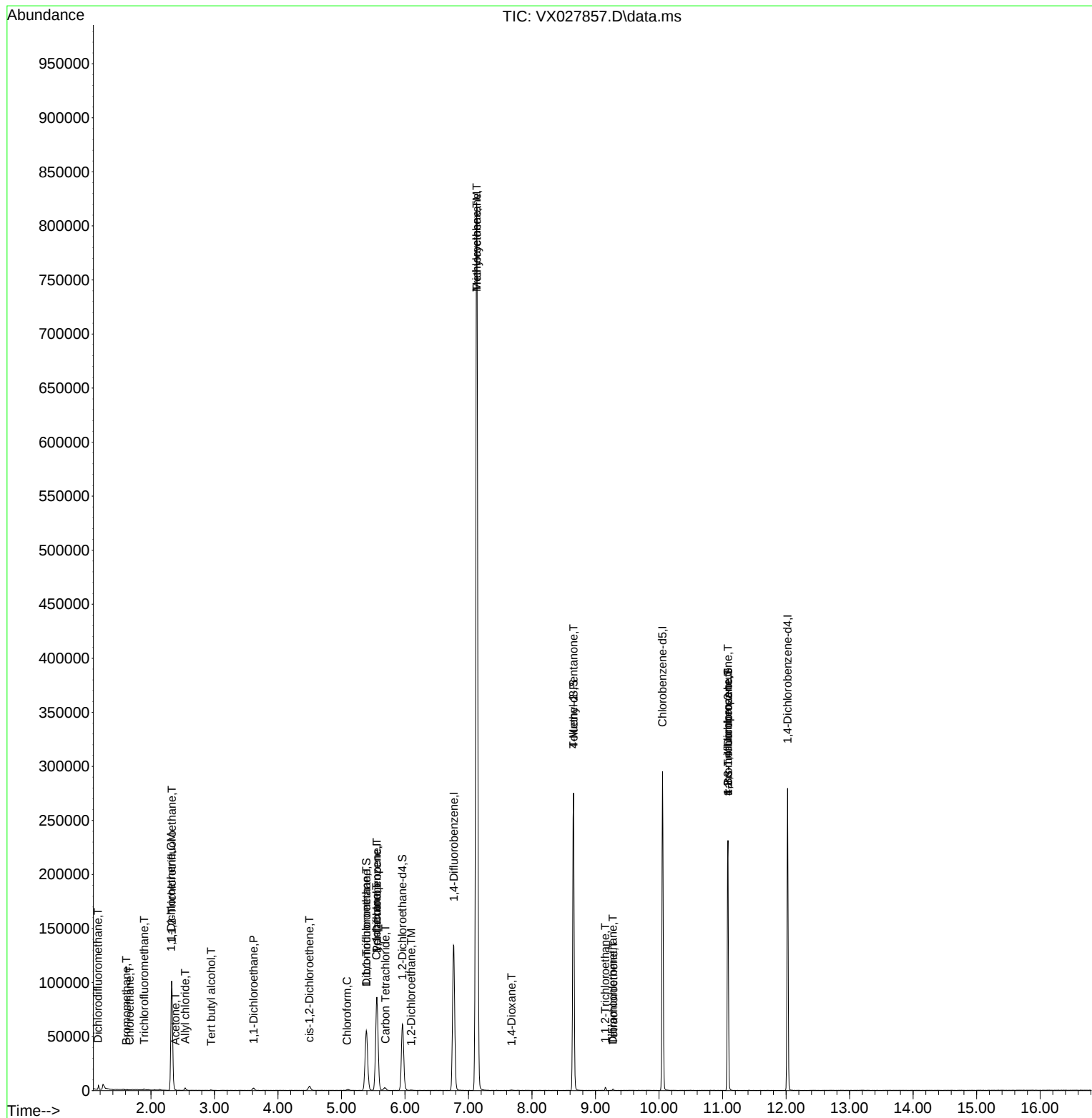
Internal Standards						
1) Pentafluorobenzene	5.556	168	73591	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	130427	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	122739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	62216	65.523	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 131.040%			
35) Dibromofluoromethane	5.391	113	45056	53.519	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.040%			
50) Toluene-d8	8.653	98	155555	52.515	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.040%			
62) 4-Bromofluorobenzene	11.085	95	61493	48.851	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	369	0.553	ug/l	93
5) Bromomethane	1.611	94	71	0.261	ug/l #	3
6) Chloroethane	1.666	64	100	0.245	ug/l #	43
7) Trichlorofluoromethane	1.892	101	508	0.479	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	26444	38.376	ug/l	96
11) Tert butyl alcohol	2.947	59	267	1.464	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	14773	23.366	ug/l	90
14) Allyl chloride	2.538	41	251	0.216	ug/l #	73
16) Acetone	2.386	43	459	1.092	ug/l	92
24) 1,1-Dichloroethane	3.617	63	2705	2.067	ug/l #	81
27) cis-1,2-Dichloroethene	4.495	96	2301	2.781	ug/l	92
30) Chloroform	5.086	83	592	0.407	ug/l #	83
31) Cyclohexane	5.550	56	1916	1.825	ug/l #	28
32) 1,1,1-Trichloroethane	5.391	97	2464	1.958	ug/l	99
36) 1,1-Dichloropropene	5.556	75	6879	6.488	ug/l #	49
38) Carbon Tetrachloride	5.690	117	2291	1.956	ug/l	92
39) Methylcyclohexane	7.129	83	3834	3.073	ug/l #	1
42) 1,2-Dichloroethane	6.098	62	620	0.483	ug/l #	73
44) Trichloroethene	7.129	130	296024	338.987	ug/l	86
49) 1,4-Dioxane	7.677	88	388	17.801	ug/l #	73
51) 4-Methyl-2-Pentanone	8.653	43	799	0.547	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	772	0.860	ug/l #	86
60) Dibromochloromethane	9.275	129	297	0.319	ug/l #	9
64) Tetrachloroethene	9.281	164	259	0.311	ug/l #	73
76) 1,2,3-Trichloropropane	11.085	75	34400	26.414	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	34400	77.358	ug/l #	15

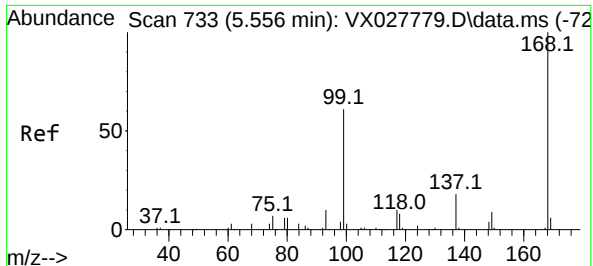
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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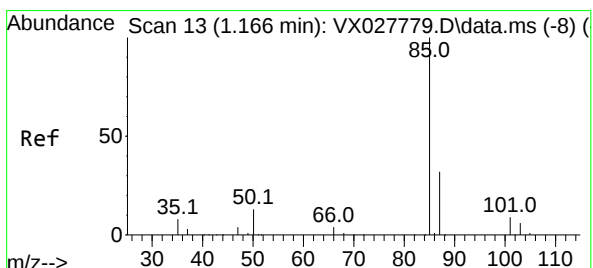
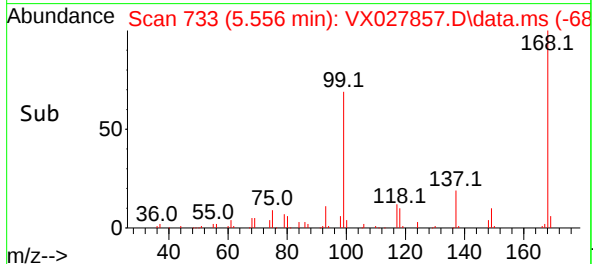
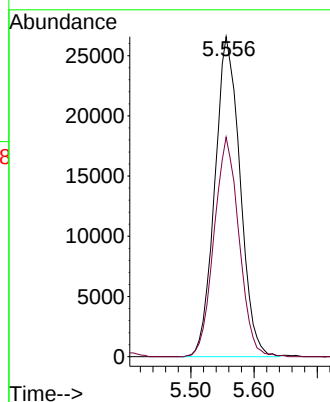
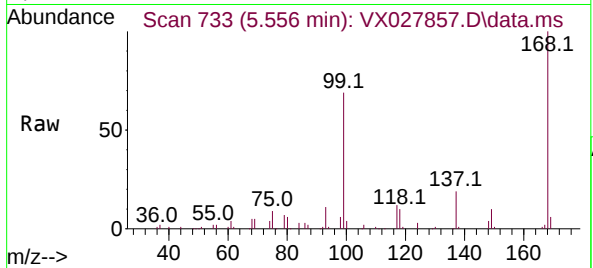




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

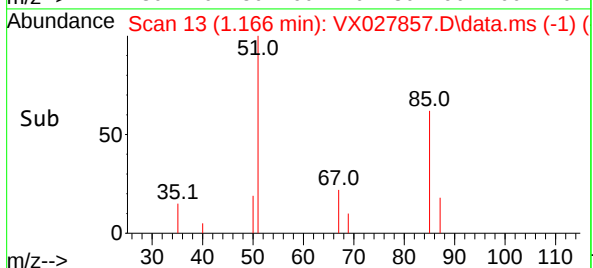
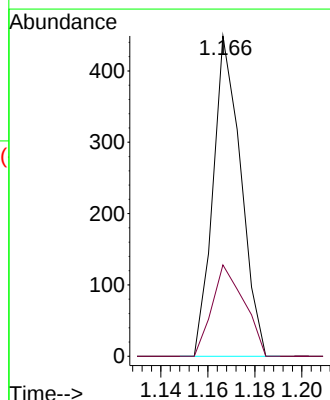
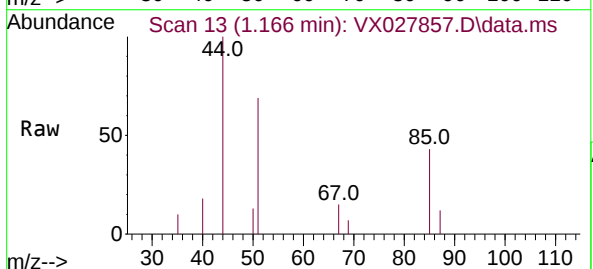
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20220318

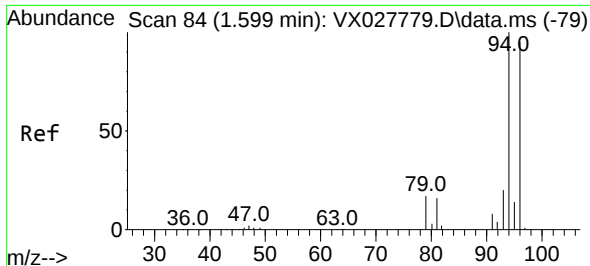
Tgt Ion:168 Resp: 73591
Ion Ratio Lower Upper
168 100
99 68.6 41.7 62.5#



#2
Dichlorodifluoromethane
Concen: 0.553 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

Tgt Ion: 85 Resp: 369
Ion Ratio Lower Upper
85 100
87 28.5 16.2 48.6

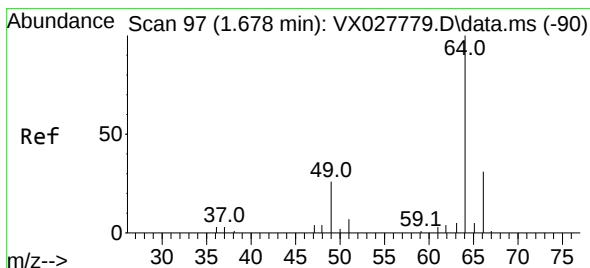
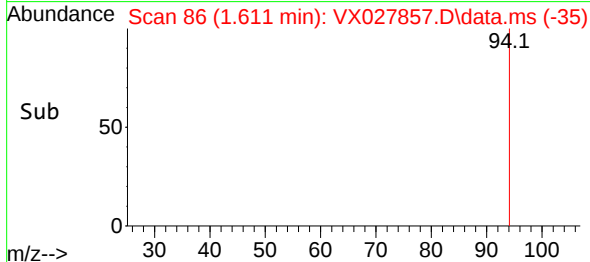
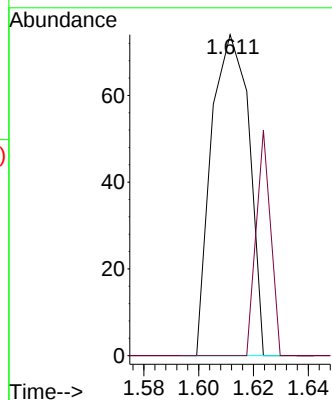
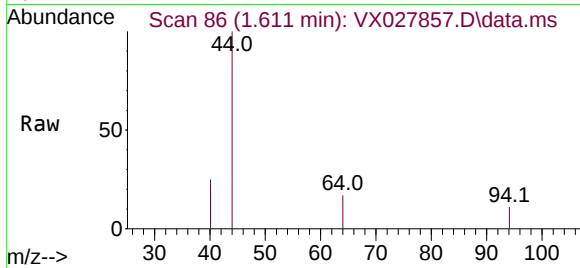




#5
Bromomethane
Concen: 0.261 ug/l
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

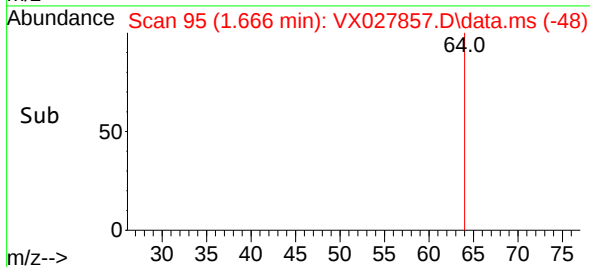
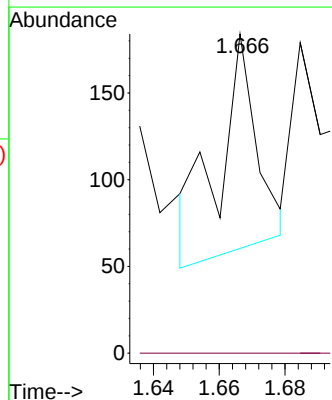
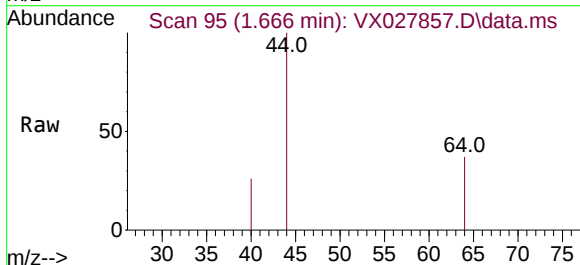
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20220318

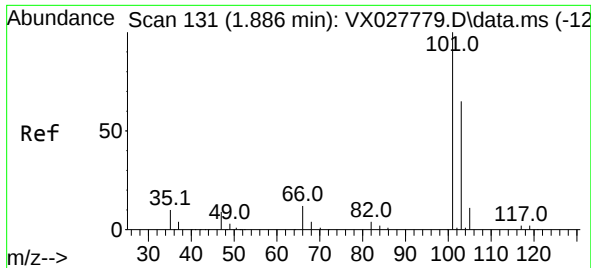
Tgt Ion: 94 Resp: 71
Ion Ratio Lower Upper
94 100
96 0.0 75.3 112.9#



#6
Chloroethane
Concen: 0.245 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.012 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

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

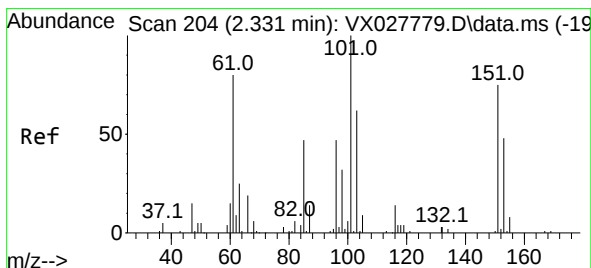
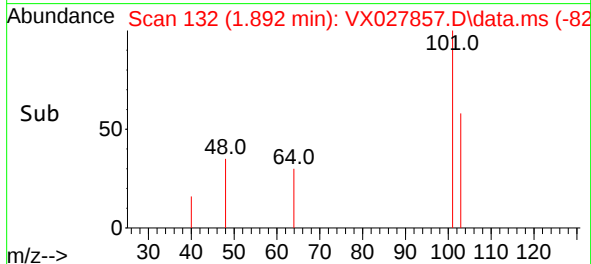
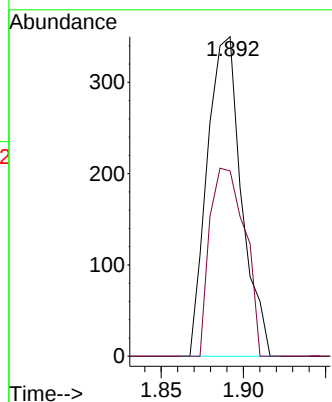
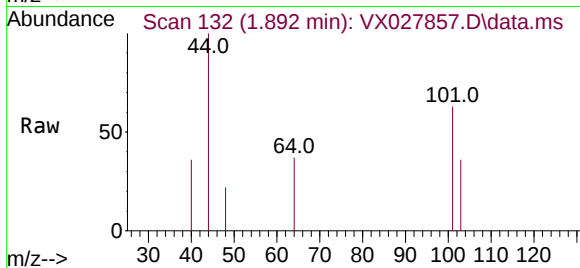




#7
Trichlorofluoromethane
Concen: 0.479 ug/l
RT: 1.892 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

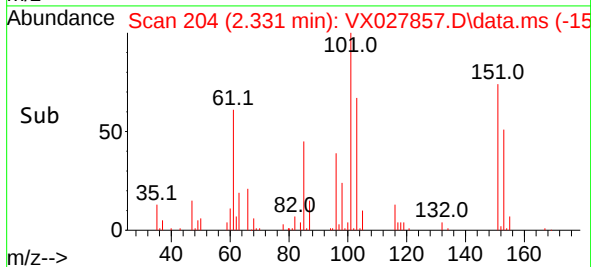
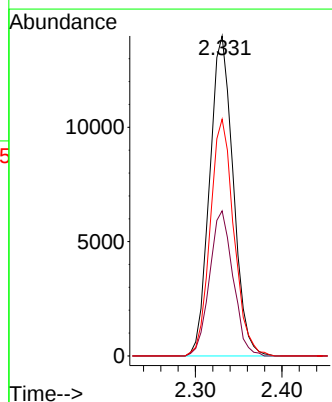
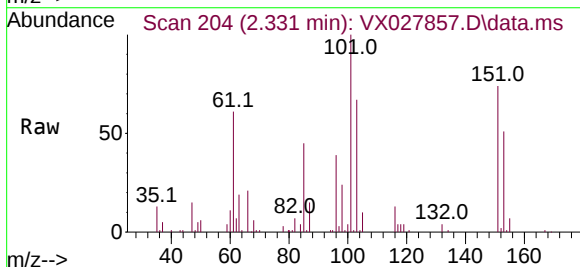
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20220318

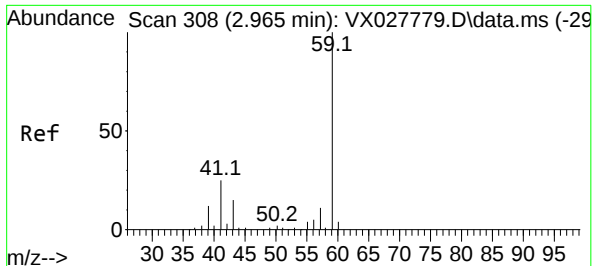
Tgt Ion:101 Resp: 508
Ion Ratio Lower Upper
101 100
103 58.0 50.5 75.7



#9
1,1,2-Trichlorotrifluoroethane
Concen: 38.376 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

Tgt Ion:101 Resp: 26444
Ion Ratio Lower Upper
101 100
85 45.2 33.5 50.3
151 74.5 61.8 92.6

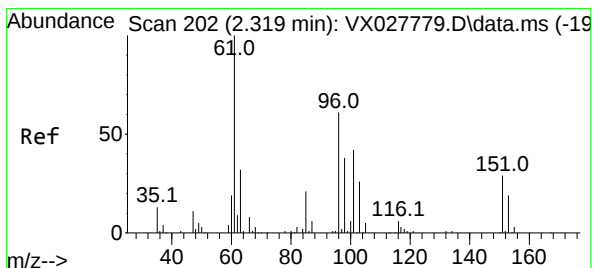
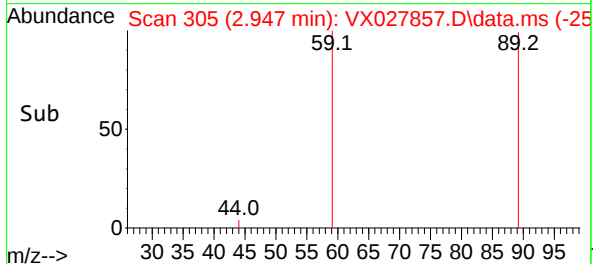
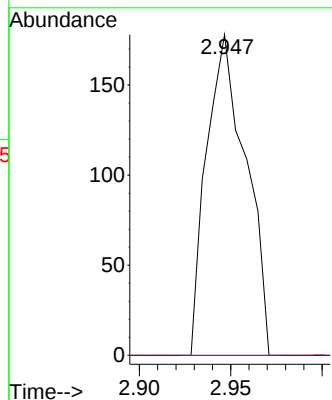
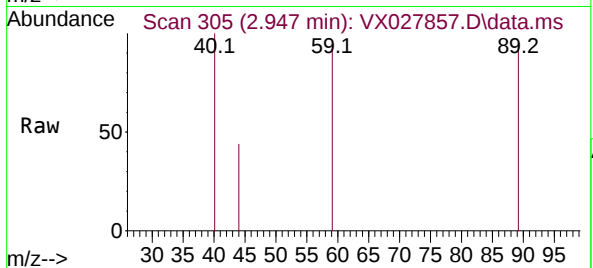




#11
Tert butyl alcohol
Concen: 1.464 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

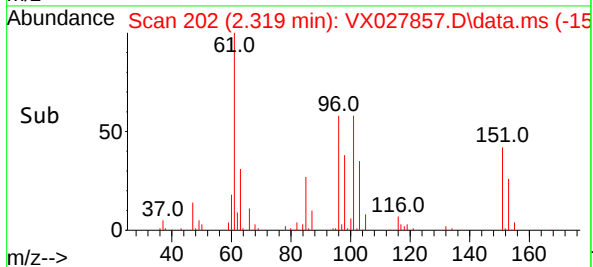
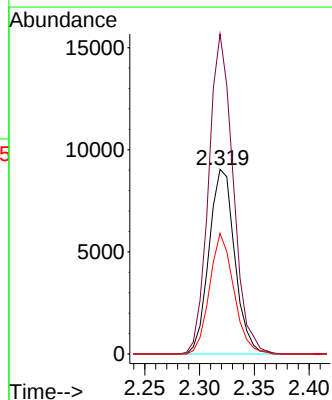
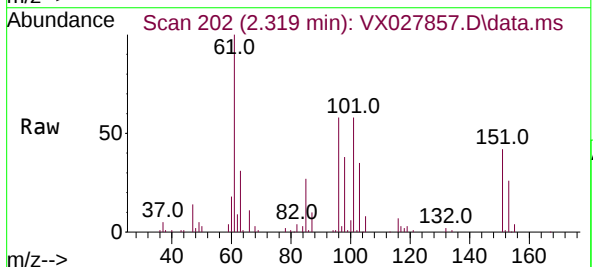
Instrument :
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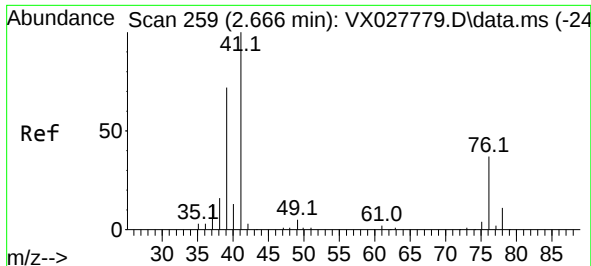
Tgt Ion: 59 Resp: 267
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 23.366 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

Tgt Ion: 96 Resp: 14773
Ion Ratio Lower Upper
96 100
61 173.4 124.6 187.0
98 65.3 51.0 76.4

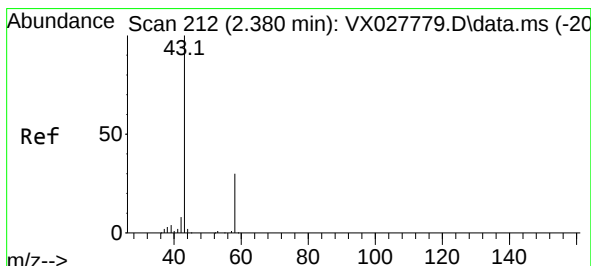
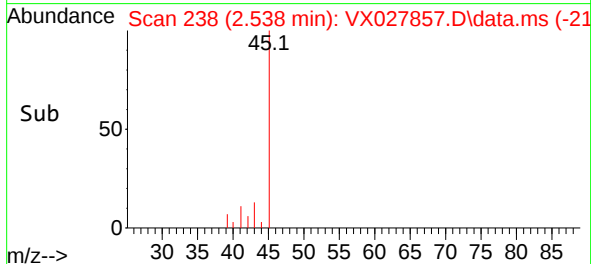
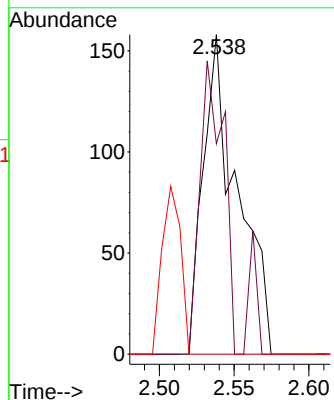
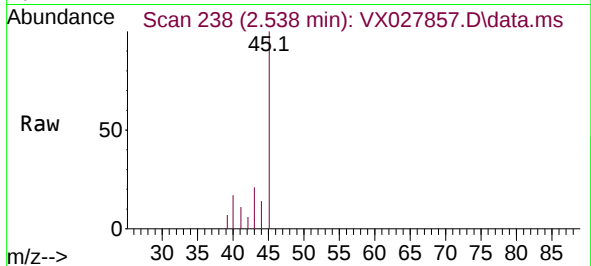




#14
 Allyl chloride
 Concen: 0.216 ug/l
 RT: 2.538 min Scan# 213
 Delta R.T. -0.128 min
 Lab File: VX027857.D
 Acq: 31 Mar 2022 18:51

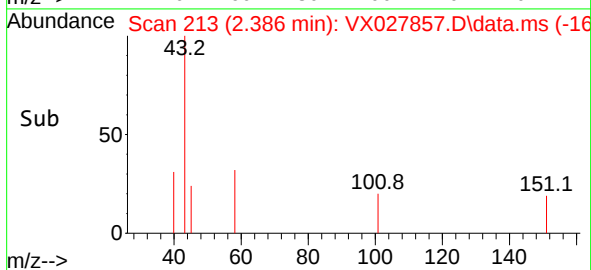
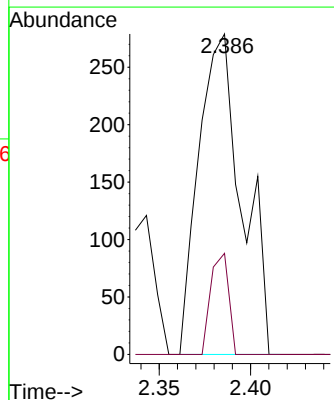
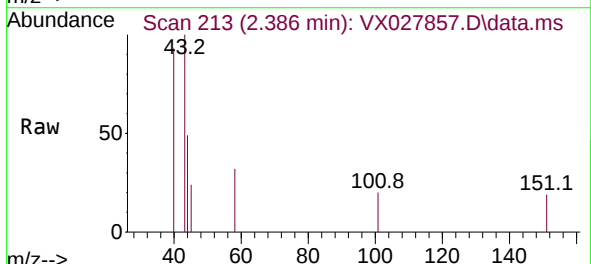
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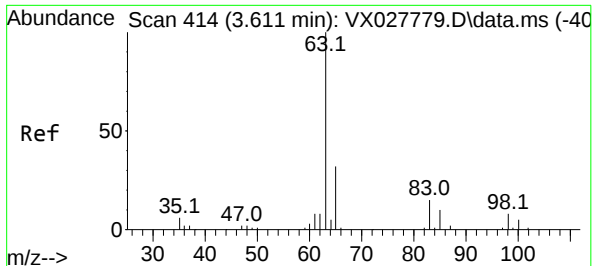
Tgt Ion:	41	Resp:	251
Ion	Ratio	Lower	Upper
41	100		
39	64.1	50.4	75.6
76	0.0	32.7	49.1#



#16
 Acetone
 Concen: 1.092 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. 0.006 min
 Lab File: VX027857.D
 Acq: 31 Mar 2022 18:51

Tgt Ion:	43	Resp:	459
Ion	Ratio	Lower	Upper
43	100		
58	31.5	28.8	43.2

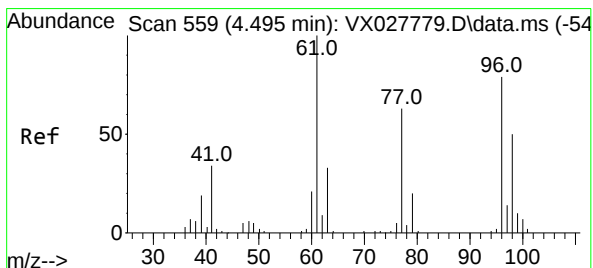
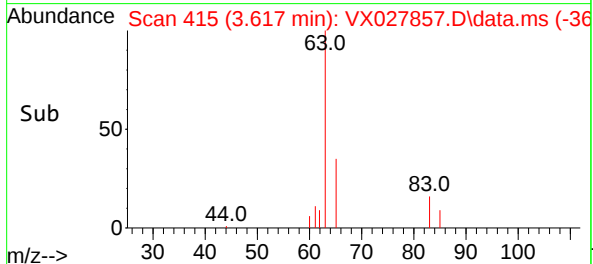
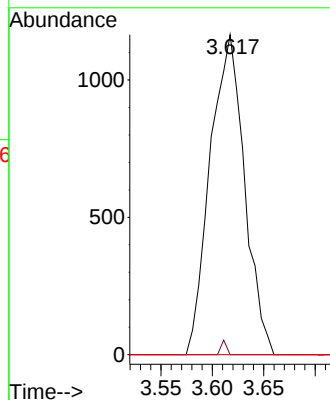
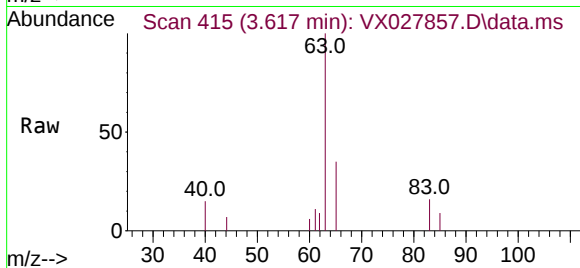




#24
1,1-Dichloroethane
Concen: 2.067 ug/l
RT: 3.617 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

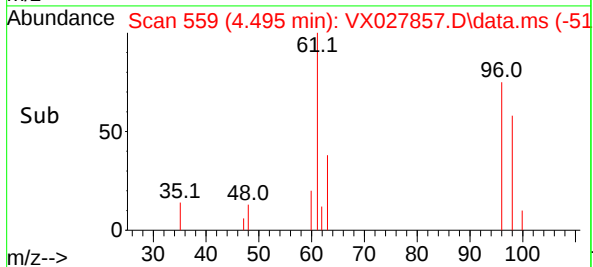
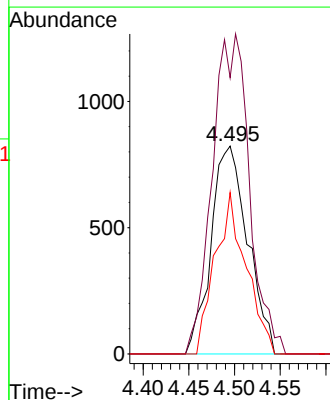
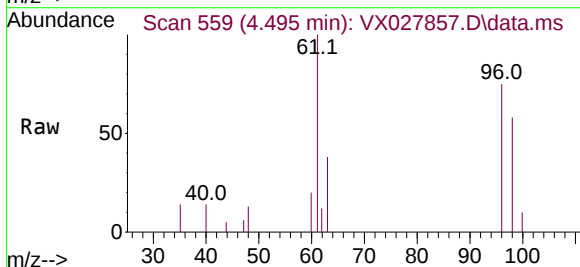
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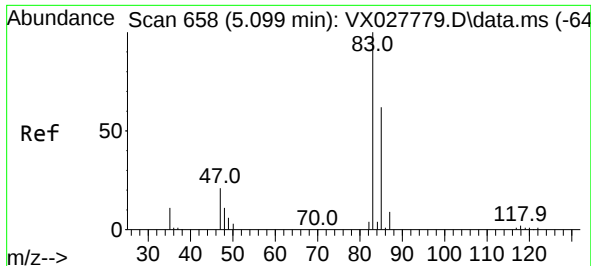
Tgt Ion: 63 Resp: 2705
Ion Ratio Lower Upper
63 100
98 0.0 3.9 11.7#
100 0.0 2.4 7.2#



#27
cis-1,2-Dichloroethene
Concen: 2.781 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

Tgt Ion: 96 Resp: 2301
Ion Ratio Lower Upper
96 100
61 155.8 0.0 283.8
98 65.5 0.0 129.8





#30

Chloroform

Concen: 0.407 ug/l

RT: 5.086 min Scan# 61

Delta R.T. -0.013 min

Lab File: VX027857.D

Acq: 31 Mar 2022 18:51

Instrument :

MSVOA_X

ClientSampleId :

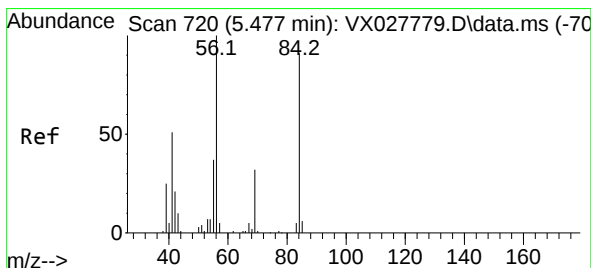
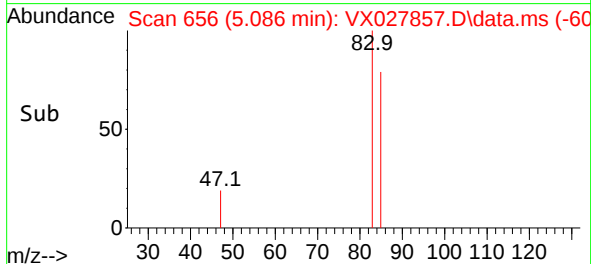
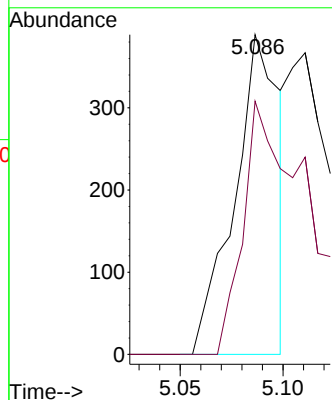
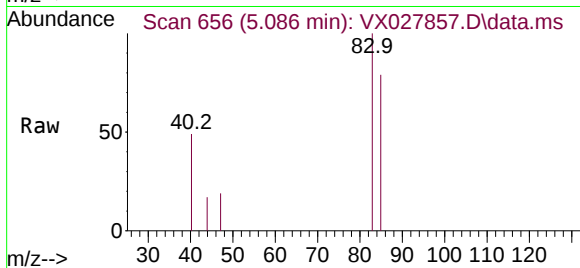
TT180D2-20220318

Tgt Ion: 83 Resp: 592

Ion Ratio Lower Upper

83 100

85 79.2 52.7 79.1#



#31

Cyclohexane

Concen: 1.825 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX027857.D

Acq: 31 Mar 2022 18:51

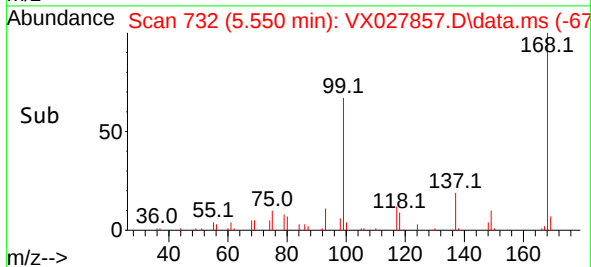
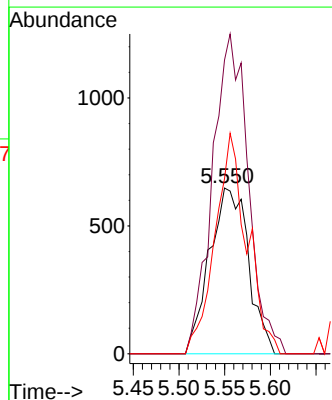
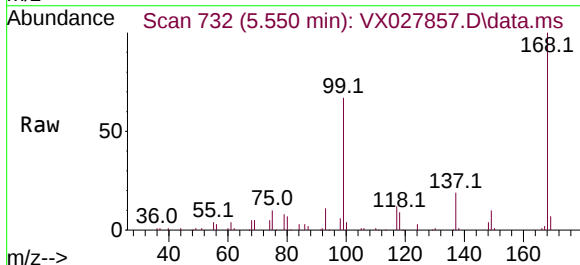
Tgt Ion: 56 Resp: 1916

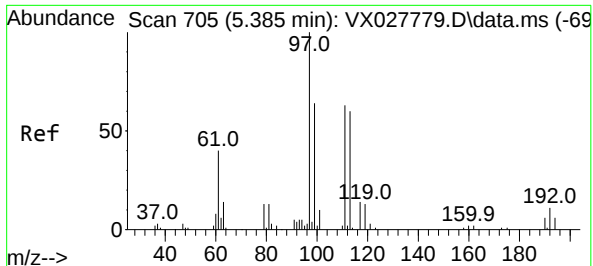
Ion Ratio Lower Upper

56 100

69 177.2 26.7 40.1#

84 105.6 77.2 115.8

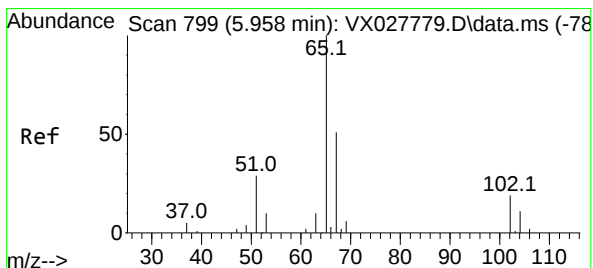
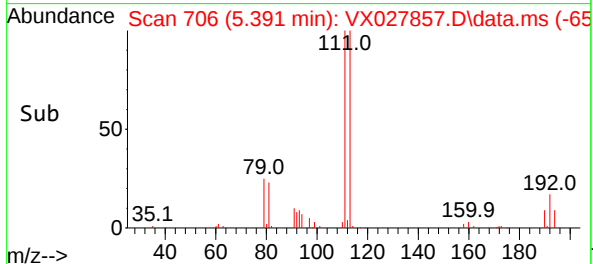
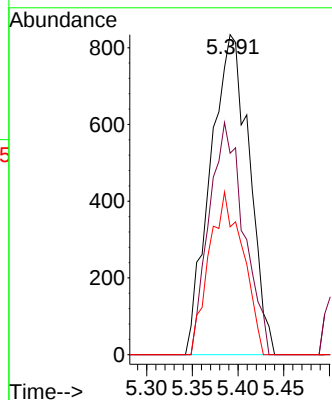
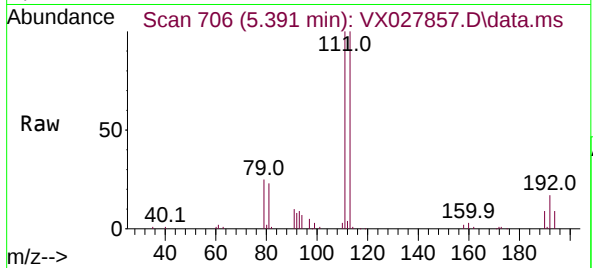




#32
1,1,1-Trichloroethane
Concen: 1.958 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

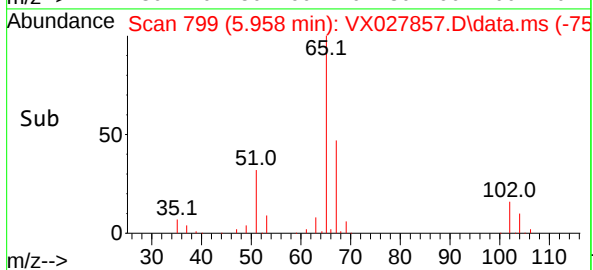
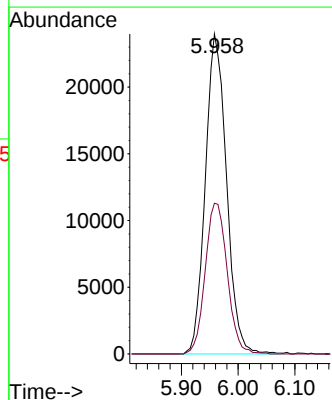
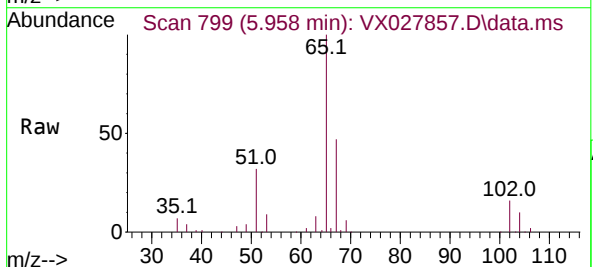
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20220318

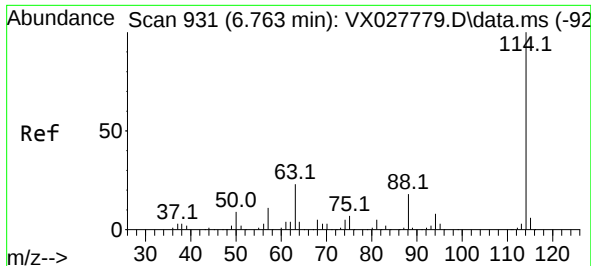
Tgt Ion: 97 Resp: 2464
Ion Ratio Lower Upper
97 100
99 65.1 51.8 77.6
61 44.4 34.0 51.0



#33
1,2-Dichloroethane-d4
Concen: 65.523 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

Tgt Ion: 65 Resp: 62216
Ion Ratio Lower Upper
65 100
67 49.0 0.0 107.4

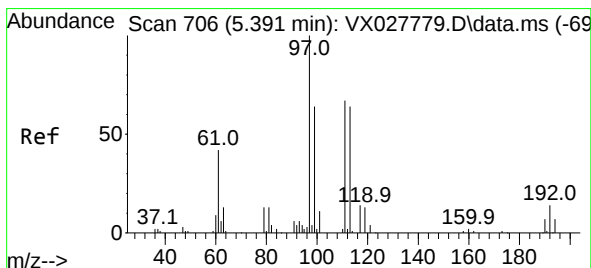
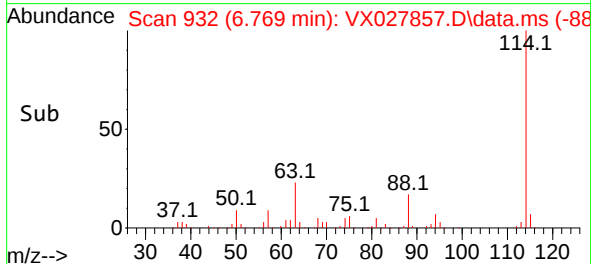
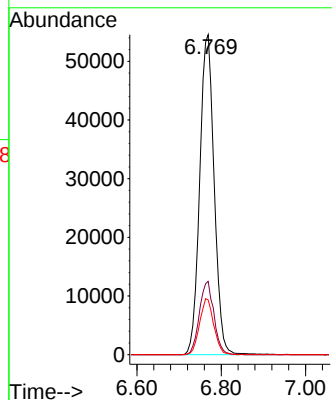
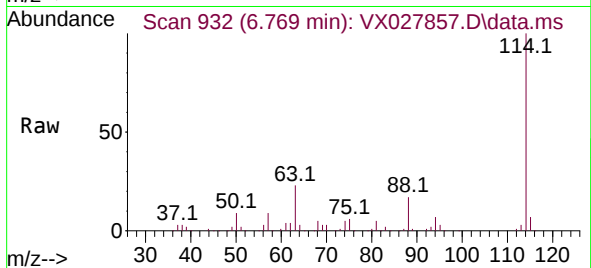




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

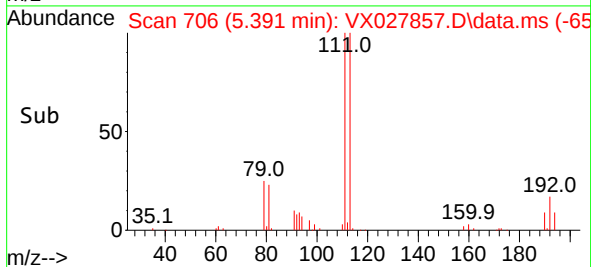
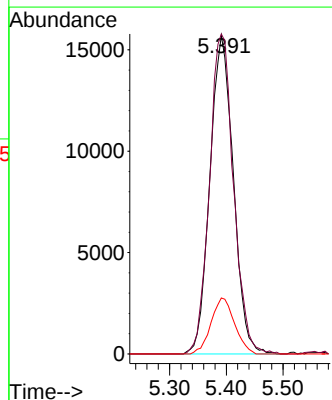
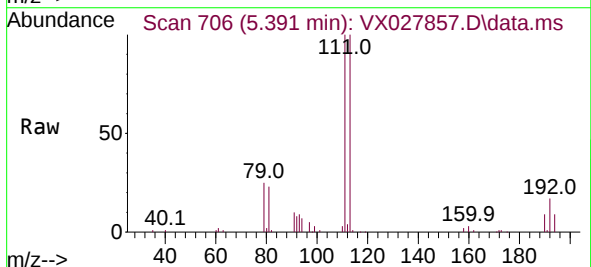
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20220318

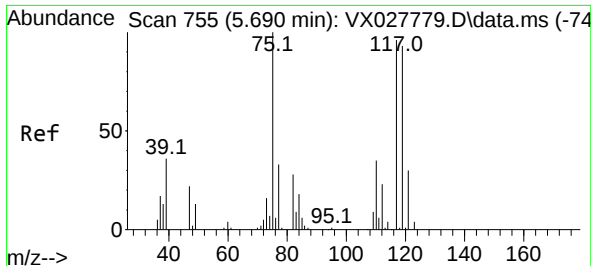
Tgt Ion:114 Resp: 130427
Ion Ratio Lower Upper
114 100
63 22.9 0.0 36.8
88 17.1 0.0 32.4



#35
Dibromofluoromethane
Concen: 53.519 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

Tgt Ion:113 Resp: 45056
Ion Ratio Lower Upper
113 100
111 103.0 82.8 124.2
192 17.7 16.9 25.3





#36

1,1-Dichloropropene

Concen: 6.488 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX027857.D

Acq: 31 Mar 2022 18:51

Instrument :

MSVOA_X

ClientSampleId :

TT180D2-20220318

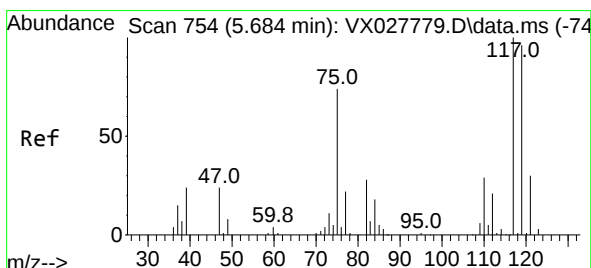
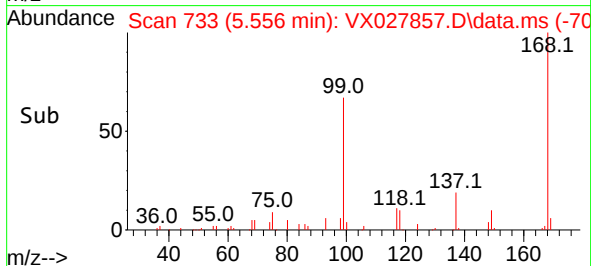
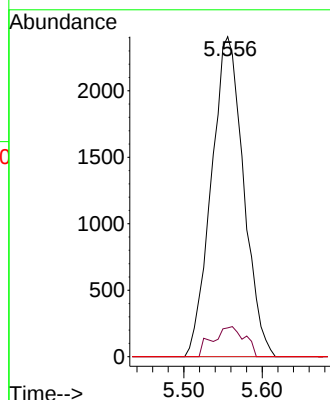
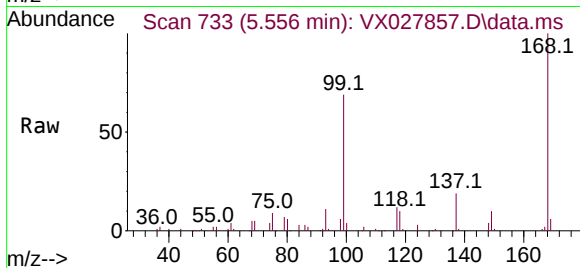
Tgt Ion: 75 Resp: 6879

Ion Ratio Lower Upper

75 100

110 9.3 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 1.956 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.006 min

Lab File: VX027857.D

Acq: 31 Mar 2022 18:51

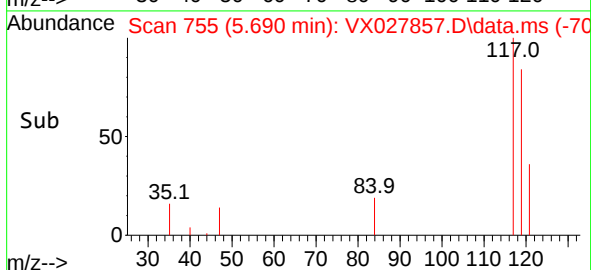
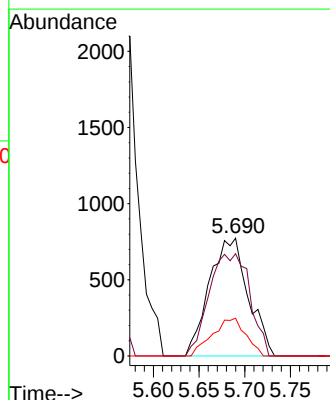
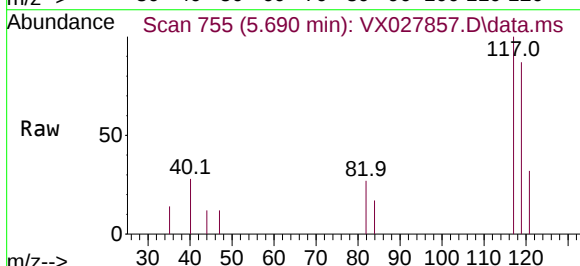
Tgt Ion: 117 Resp: 2291

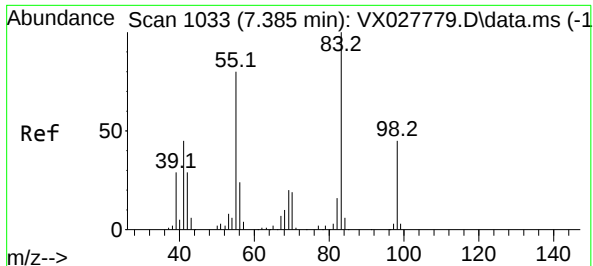
Ion Ratio Lower Upper

117 100

119 86.8 77.3 115.9

121 32.1 24.2 36.2





#39

Methylcyclohexane

Concen: 3.073 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX027857.D

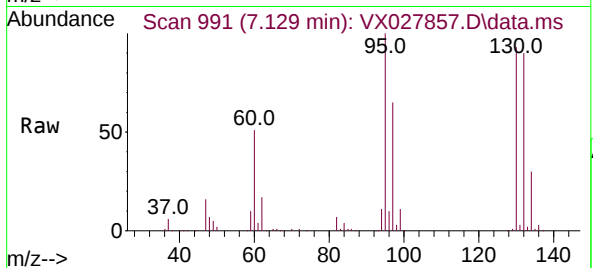
Acq: 31 Mar 2022 18:51

Instrument :

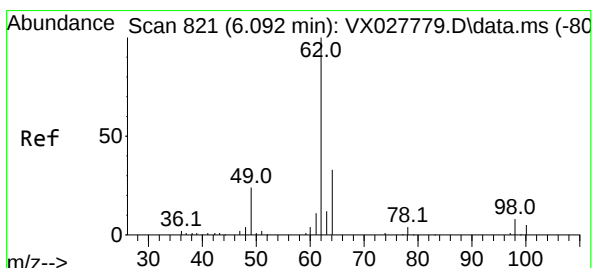
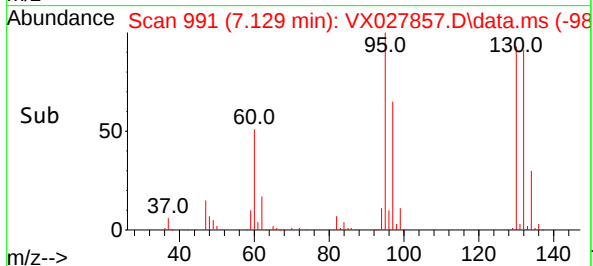
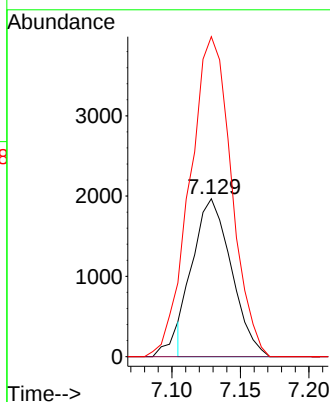
MSVOA_X

ClientSampleId :

TT180D2-20220318



Tgt Ion:	83	Resp:	3834
Ion	Ratio	Lower	Upper
83	100		
55	0.0	54.6	81.8#
98	202.6	37.4	56.2#



#42

1,2-Dichloroethane

Concen: 0.483 ug/l

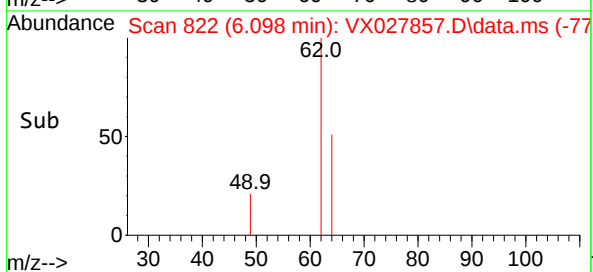
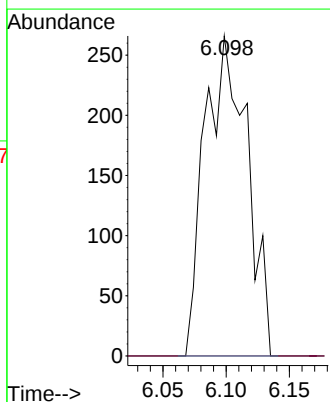
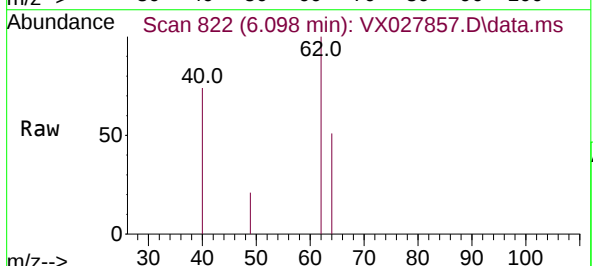
RT: 6.098 min Scan# 822

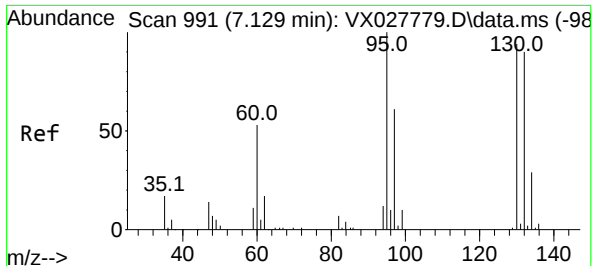
Delta R.T. 0.006 min

Lab File: VX027857.D

Acq: 31 Mar 2022 18:51

Tgt Ion:	62	Resp:	620
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.4

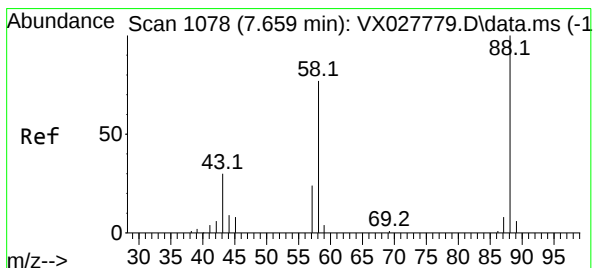
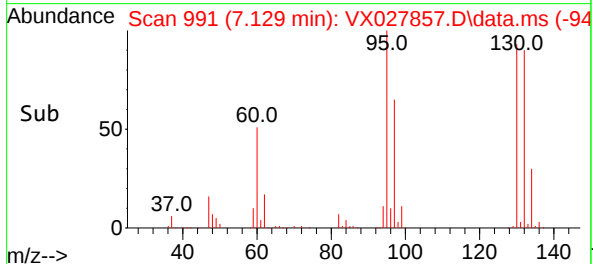
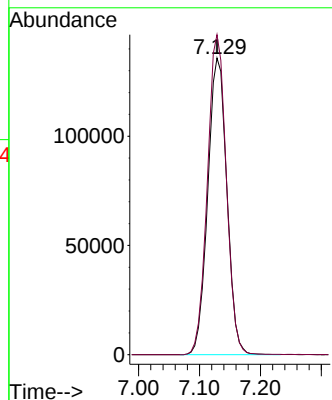
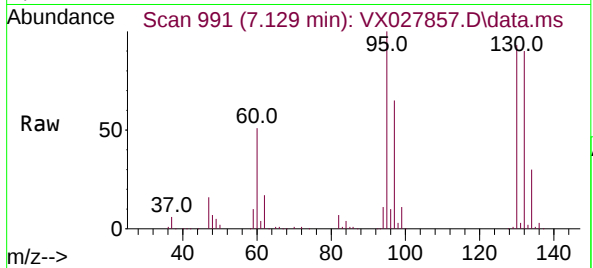




#44
Trichloroethene
Concen: 338.987 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

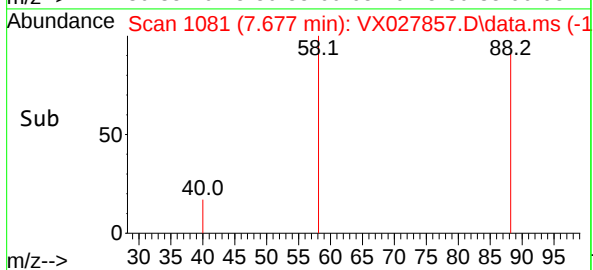
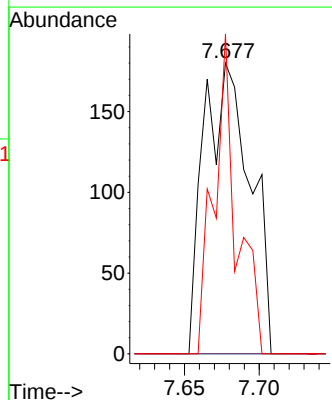
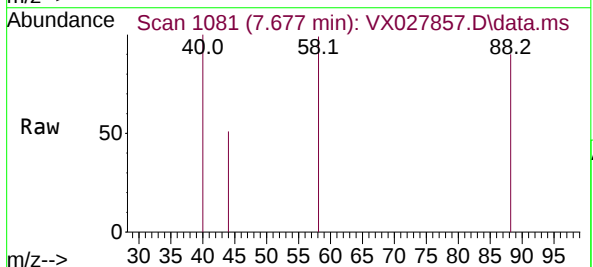
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20220318

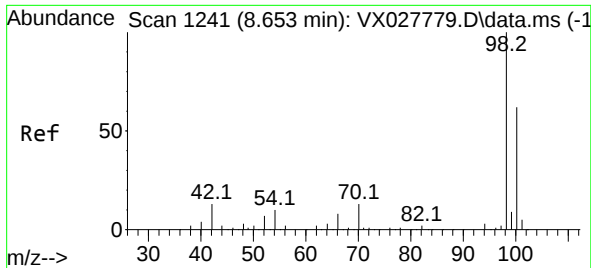
Tgt Ion:130 Resp: 296024
Ion Ratio Lower Upper
130 100
95 107.9 0.0 188.8



#49
1,4-Dioxane
Concen: 17.801 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.018 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

Tgt Ion: 88 Resp: 388
Ion Ratio Lower Upper
88 100
43 0.0 21.9 32.9#
58 53.9 53.7 80.5

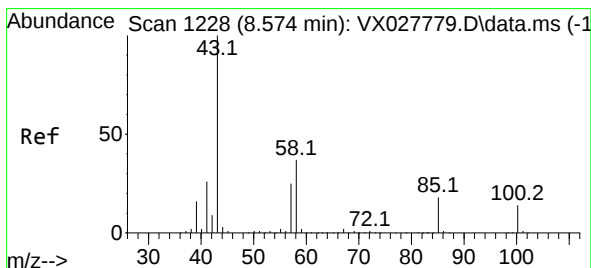
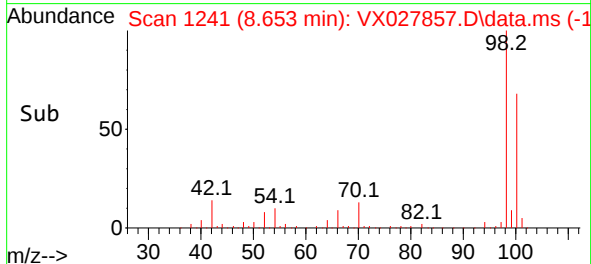
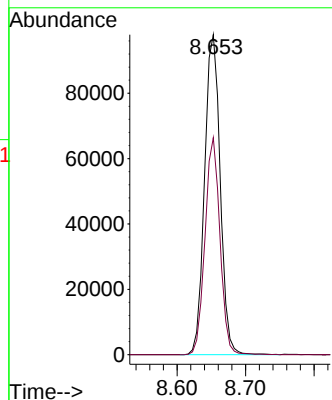
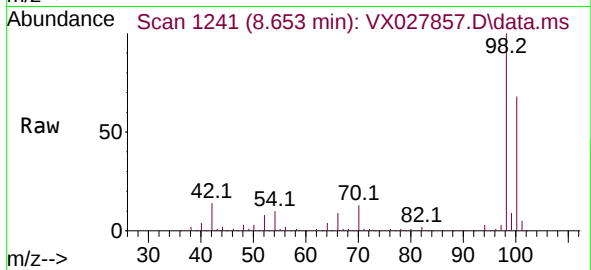




#50
Toluene-d8
Concen: 52.515 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

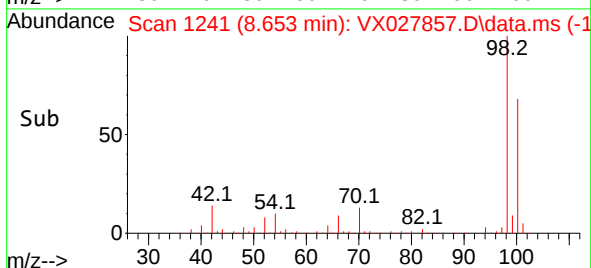
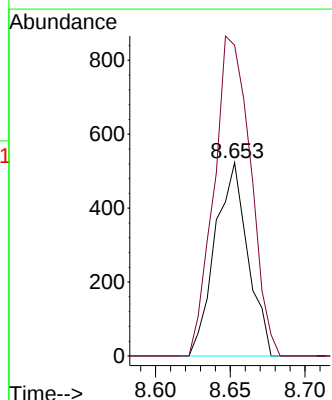
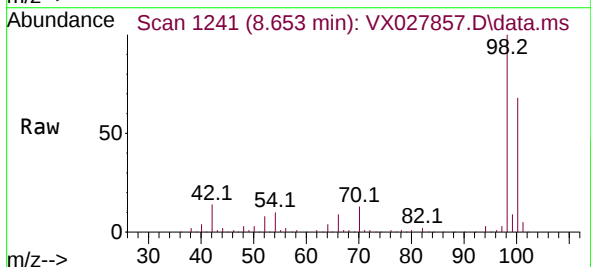
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20220318

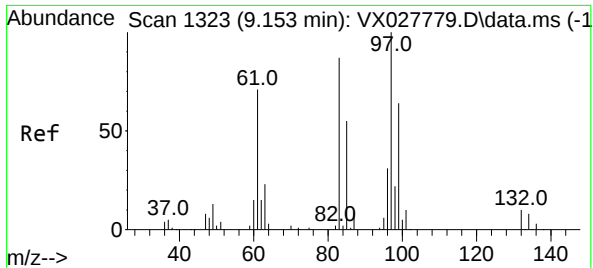
Tgt Ion: 98 Resp: 155555
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.547 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

Tgt Ion: 43 Resp: 799
Ion Ratio Lower Upper
43 100
58 184.1 36.1 54.1#

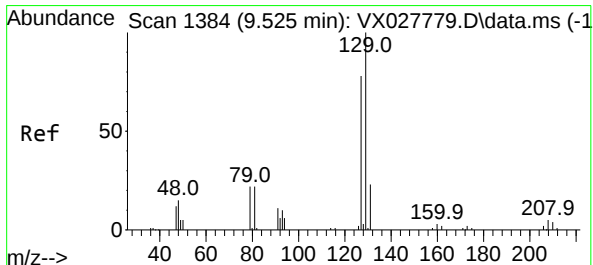
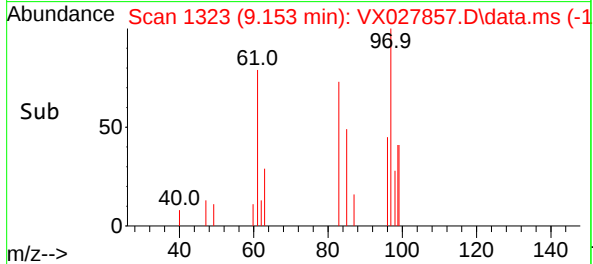
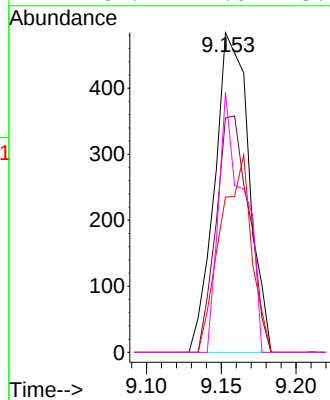
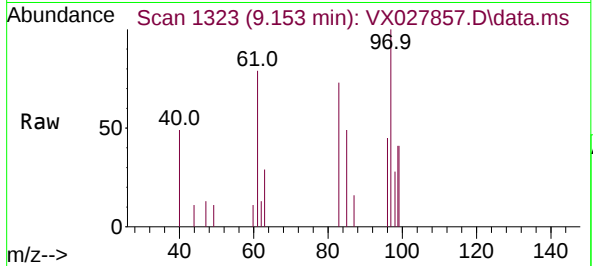




#55
1,1,2-Trichloroethane
Concen: 0.860 ug/l
RT: 9.153 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

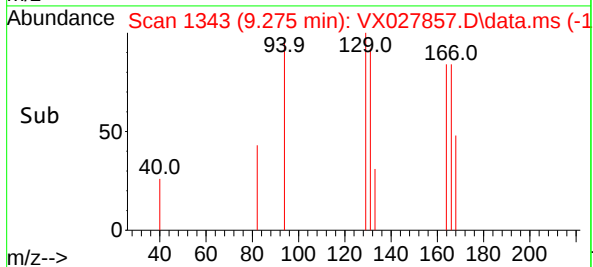
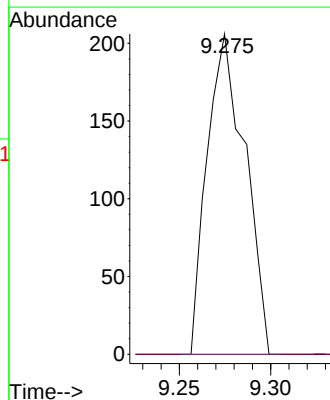
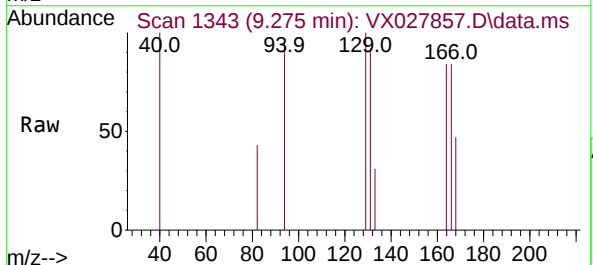
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20220318

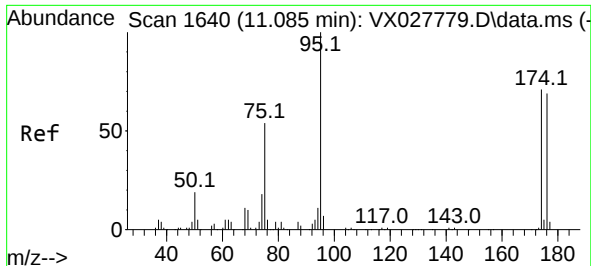
Tgt Ion: 97	Resp:	772	
Ion	Ratio	Lower	Upper
97	100		
83	73.3	66.2	99.4
85	48.6	42.9	64.3
99	81.4	49.0	73.6#



#60
Dibromochloromethane
Concen: 0.319 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

Tgt Ion:129	Resp:	297	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	40.3	120.8#

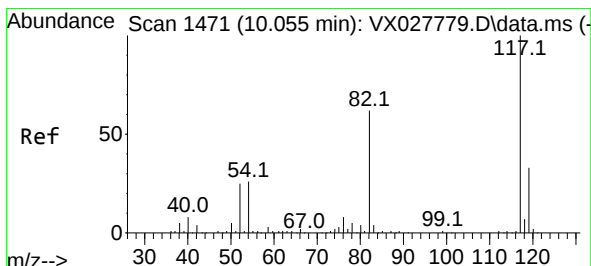
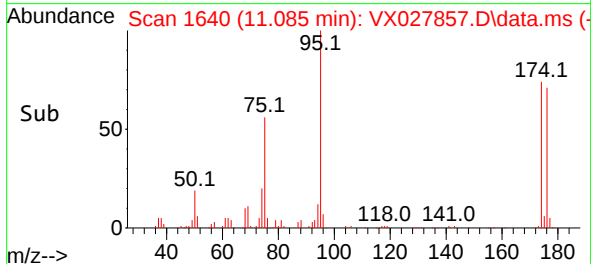
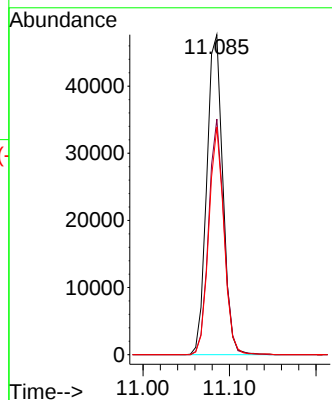
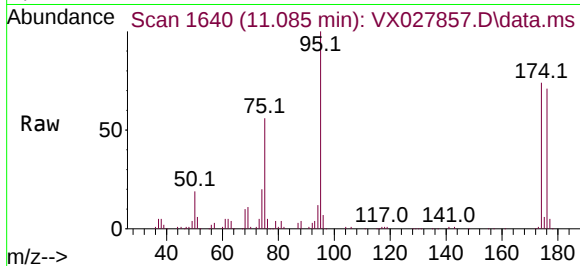




#62
4-Bromofluorobenzene
Concen: 48.851 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

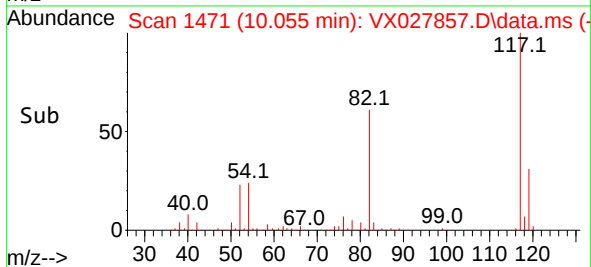
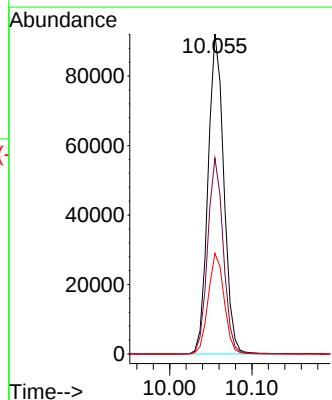
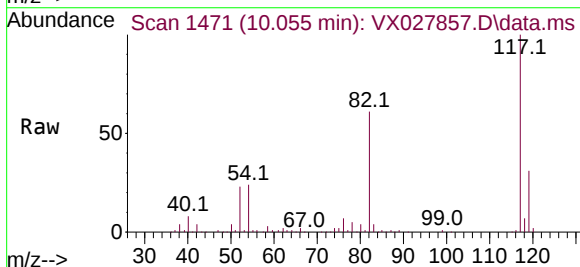
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20220318

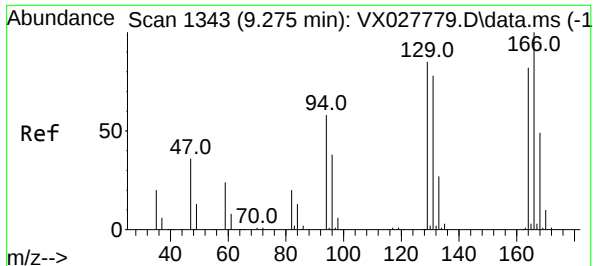
Tgt Ion: 95 Resp: 61493
Ion Ratio Lower Upper
95 100
174 70.4 0.0 163.0
176 67.3 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

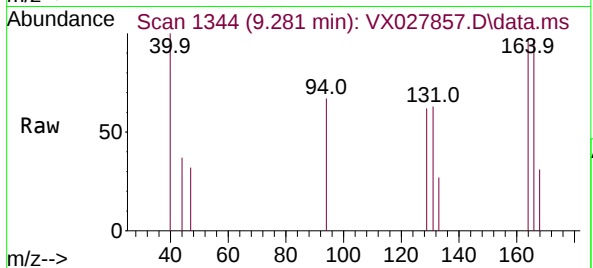
Tgt Ion: 117 Resp: 122739
Ion Ratio Lower Upper
117 100
82 61.2 41.8 62.8
119 31.4 24.8 37.2



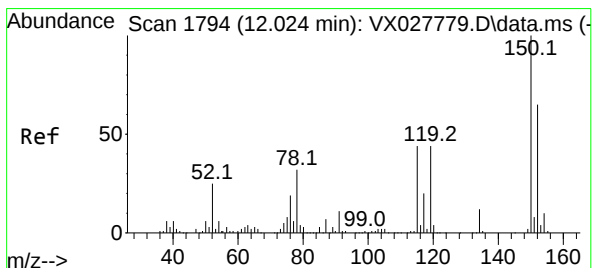
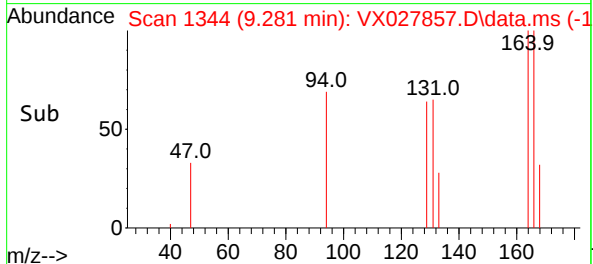
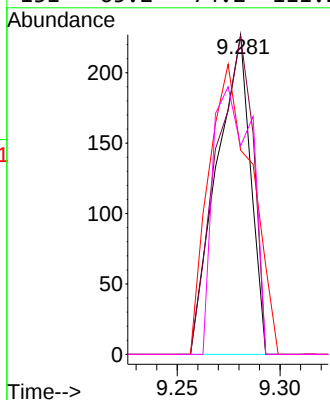


#64
Tetrachloroethene
Concen: 0.311 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20220318

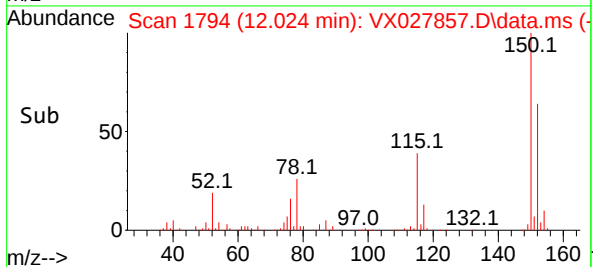
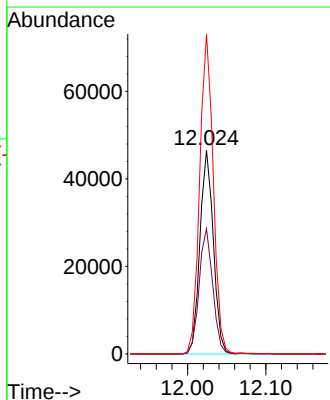
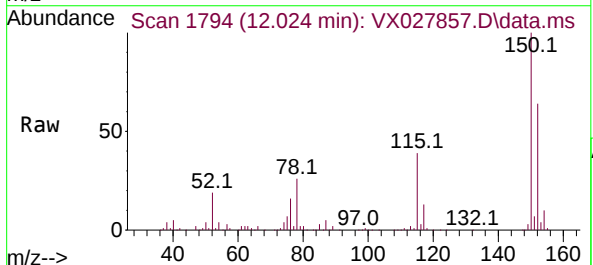


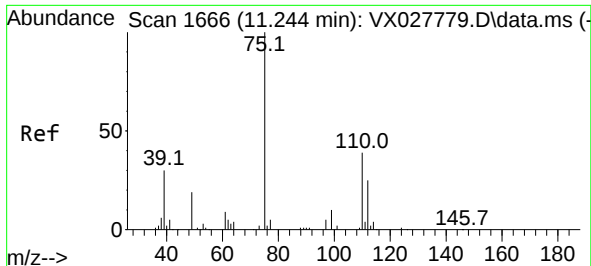
Tgt Ion:164 Resp: 259
Ion Ratio Lower Upper
164 100
166 99.6 101.2 151.8#
129 63.9 73.0 109.4#
131 65.2 74.2 111.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

Tgt Ion:152 Resp: 55516
Ion Ratio Lower Upper
152 100
115 62.2 37.5 112.7
150 158.6 0.0 338.2

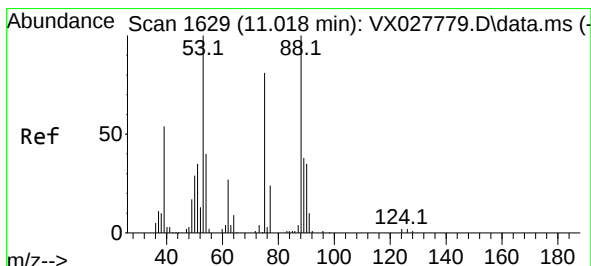
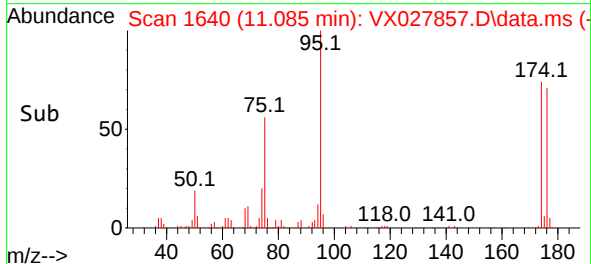
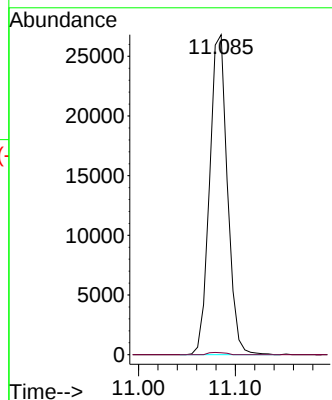
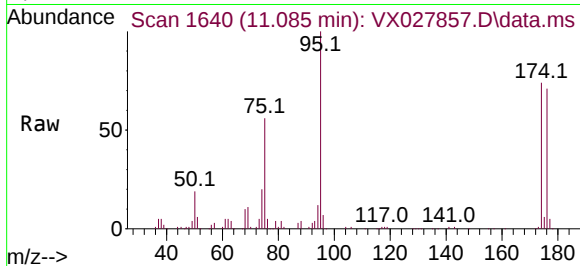




#76
1,2,3-Trichloropropane
Concen: 26.414 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20220318

Tgt Ion: 75 Resp: 34400
Ion Ratio Lower Upper
75 100
77 0.7 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.358 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX027857.D
Acq: 31 Mar 2022 18:51

Tgt Ion: 75 Resp: 34400
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

