

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032822\
 Data File : VX027760.D
 Acq On : 28 Mar 2022 19:15
 Operator : JC/MD
 Sample : N2041-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D1-20220316

Quant Time: Mar 29 05:41:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 16:26:59 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

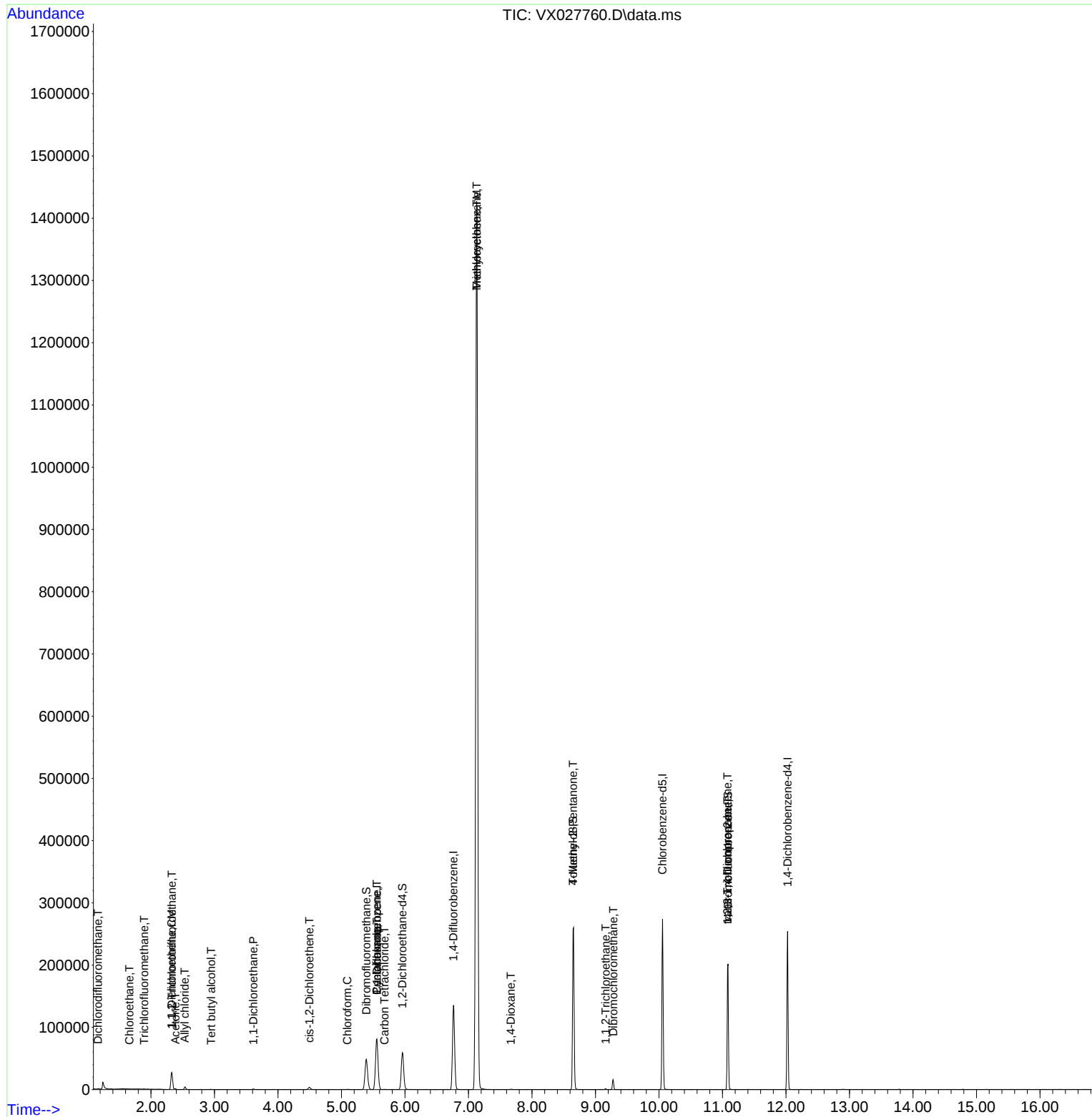
Internal Standards						
1) Pentafluorobenzene	5.556	168	65955	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	118595	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	110547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	42852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	62026	57.338	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 114.680%	
35) Dibromofluoromethane	5.391	113	41010	52.658	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 105.320%	
50) Toluene-d8	8.647	98	148161	49.213	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 98.420%	
62) 4-Bromofluorobenzene	11.085	95	58127	47.583	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 95.160%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	173	0.226	ug/l	# 42
6) Chloroethane	1.660	64	170	0.348	ug/l	# 43
7) Trichlorofluoromethane	1.892	101	248	0.221	ug/l	# 64
9) 1,1,2-Trichlorotrifluo...	2.331	101	7287	9.695	ug/l	91
11) Tert butyl alcohol	2.947	59	279	1.385	ug/l	# 72
12) 1,1-Dichloroethene	2.325	96	3676	5.247	ug/l	# 89
14) Allyl chloride	2.532	41	358	0.270	ug/l	# 27
16) Acetone	2.386	43	1031	2.254	ug/l	93
24) 1,1-Dichloroethane	3.611	63	1210	0.809	ug/l	# 81
27) cis-1,2-Dichloroethene	4.495	96	1976	2.277	ug/l	87
29) Tetrahydrofuran	5.032	42	74	Below Cal	#	50
30) Chloroform	5.093	83	553	0.369	ug/l	85
31) Cyclohexane	5.556	56	2137	1.629	ug/l	# 43
36) 1,1-Dichloropropene	5.556	75	6547	5.322	ug/l	# 49
38) Carbon Tetrachloride	5.678	117	357	0.297	ug/l	# 74
39) Methylcyclohexane	7.129	83	6929	4.897	ug/l	# 1
44) Trichloroethene	7.129	130	466059	530.095	ug/l	81
49) 1,4-Dioxane	7.665	88	517	22.663	ug/l	# 32
51) 4-Methyl-2-Pentanone	8.647	43	868	0.585	ug/l	# 1
55) 1,1,2-Trichloroethane	9.159	97	373	0.432	ug/l	# 83
60) Dibromochloromethane	9.281	129	2883	3.453	ug/l	# 9
76) 1,2,3-Trichloropropane	11.079	75	30775	25.794	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	30775	87.799	ug/l	# 15

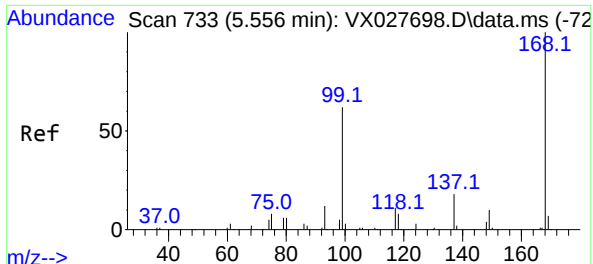
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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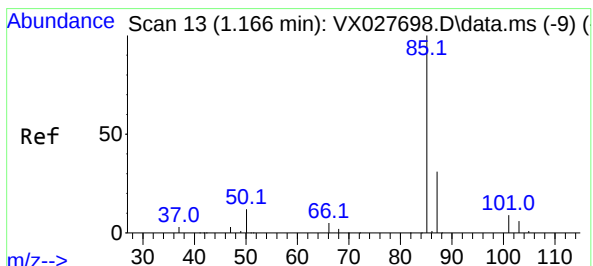
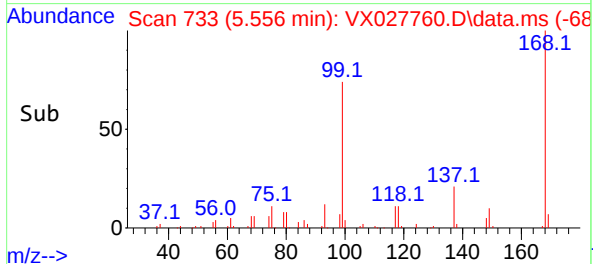
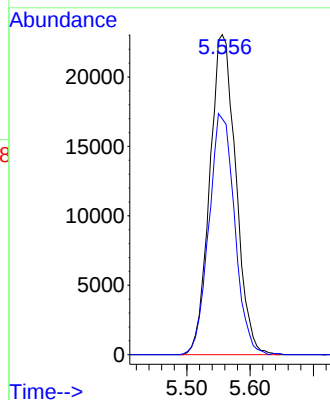
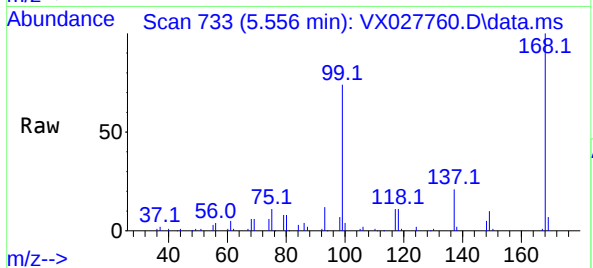




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027760.D
Acq: 28 Mar 2022 19:15

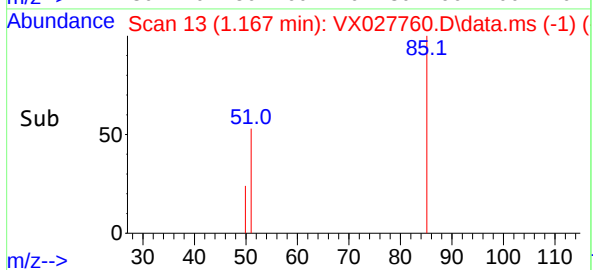
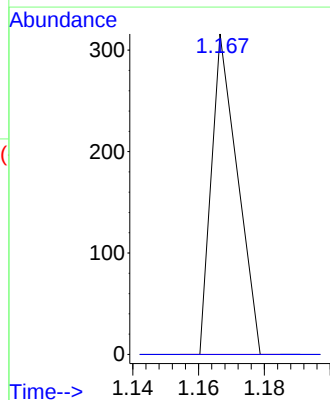
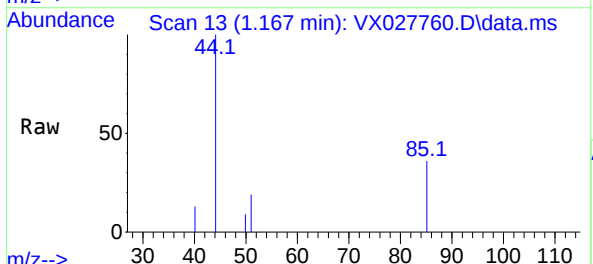
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20220316

Tgt Ion:168 Resp: 65955
Ion Ratio Lower Upper
168 100
99 73.7 41.7 62.5#

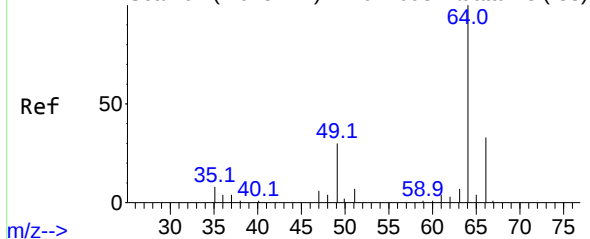


#2
Dichlorodifluoromethane
Concen: 0.226 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.001 min
Lab File: VX027760.D
Acq: 28 Mar 2022 19:15

Tgt Ion: 85 Resp: 173
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.6#

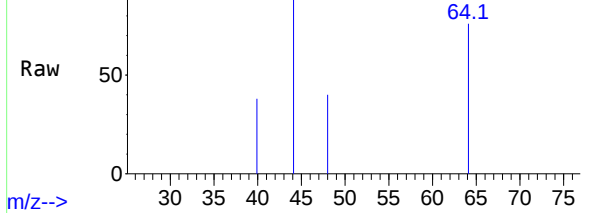


Abundance Scan 97 (1.678 min): VX027698.D\data.ms (-88)



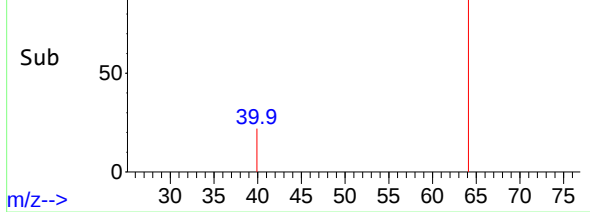
m/z-->

Abundance Scan 94 (1.660 min): VX027760.D\data.ms



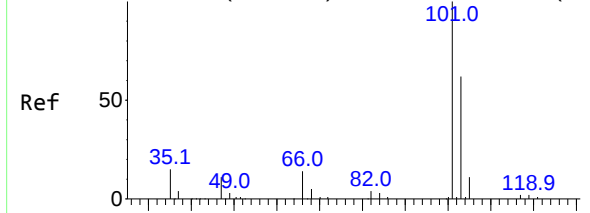
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Abundance Scan 94 (1.660 min): VX027760.D\data.ms (-48)



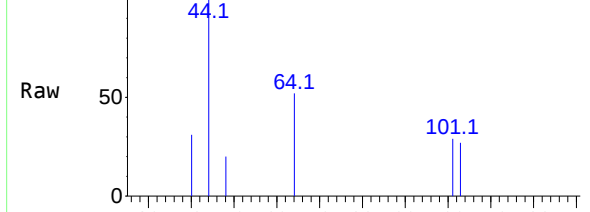
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Abundance Scan 130 (1.880 min): VX027698.D\data.ms (-12)



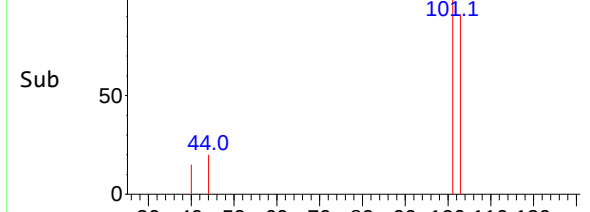
m/z-->

Abundance Scan 132 (1.892 min): VX027760.D\data.ms



m/z-->

Abundance Scan 132 (1.892 min): VX027760.D\data.ms (-81)



m/z-->

#6

Chloroethane

Concen: 0.348 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.018 min

Lab File: VX027760.D

Acq: 28 Mar 2022 19:15

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20220316

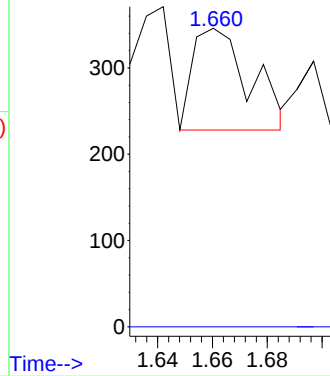
Tgt Ion: 64 Resp: 170

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#

Abundance



Time-->

#7

Trichlorofluoromethane

Concen: 0.221 ug/l

RT: 1.892 min Scan# 132

Delta R.T. 0.012 min

Lab File: VX027760.D

Acq: 28 Mar 2022 19:15

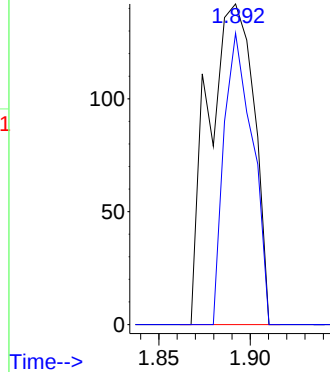
Tgt Ion:101 Resp: 248

Ion Ratio Lower Upper

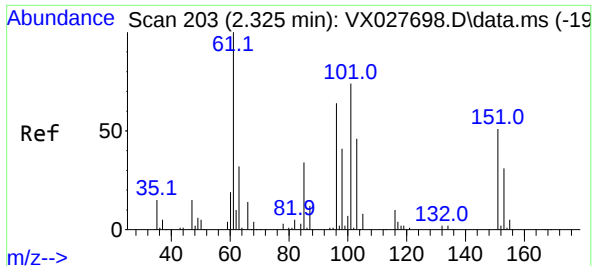
101 100

103 90.8 50.5 75.7#

Abundance



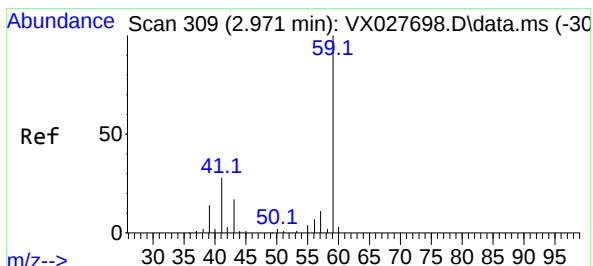
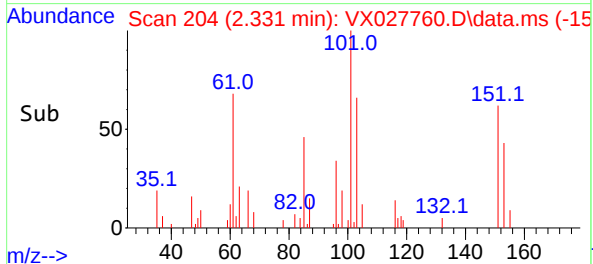
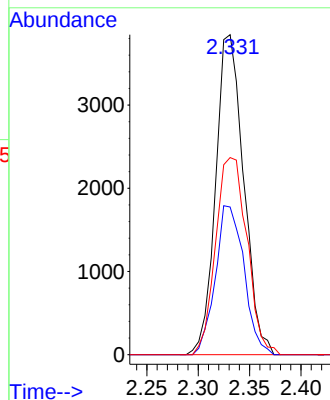
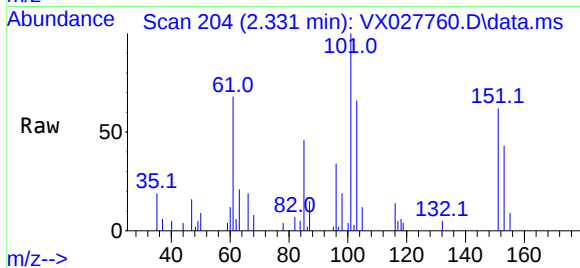
Time-->



#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.695 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX027760.D
Acq: 28 Mar 2022 19:15

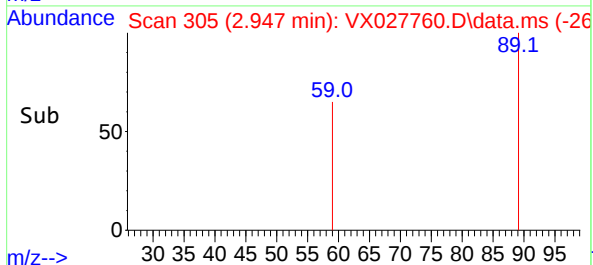
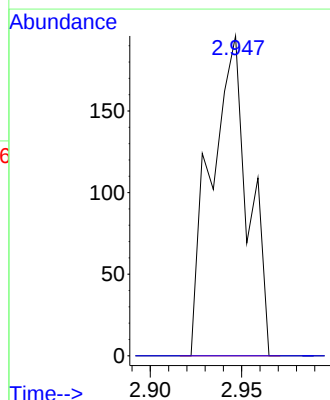
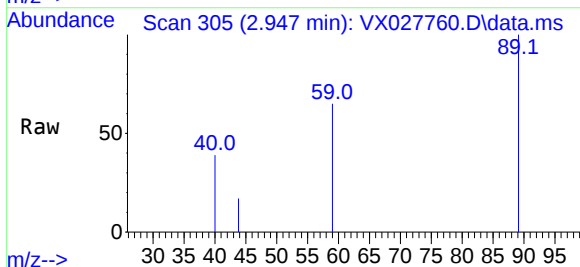
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20220316

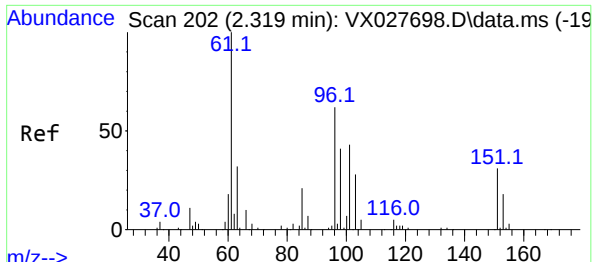
Tgt Ion:101 Resp: 7287
Ion Ratio Lower Upper
101 100
85 47.5 33.5 50.3
151 69.0 61.8 92.6



#11
Tert butyl alcohol
Concen: 1.385 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.024 min
Lab File: VX027760.D
Acq: 28 Mar 2022 19:15

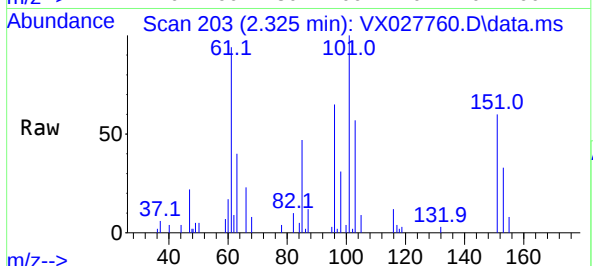
Tgt Ion: 59 Resp: 279
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





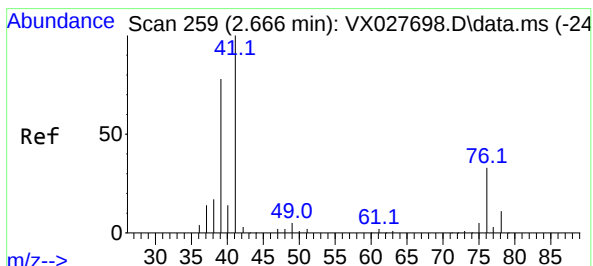
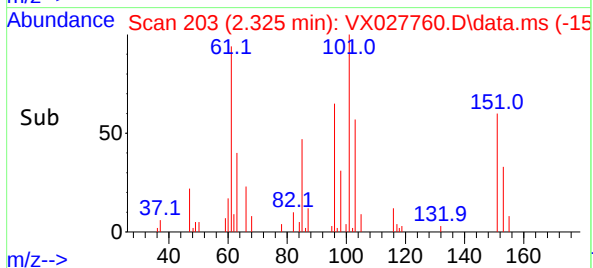
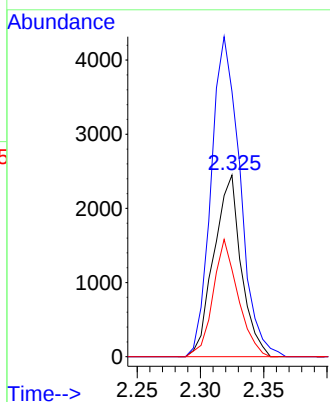
#12
1,1-Dichloroethene
Concen: 5.247 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX027760.D
Acq: 28 Mar 2022 19:15

Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20220316



Tgt Ion: 96 Resp: 3676

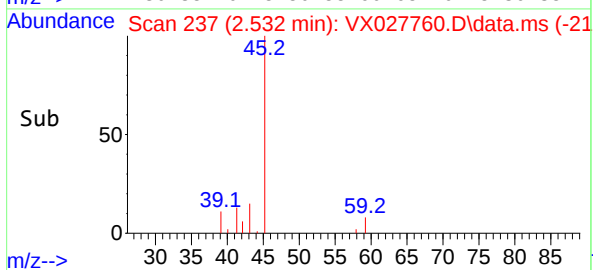
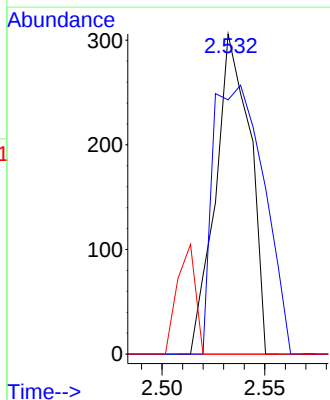
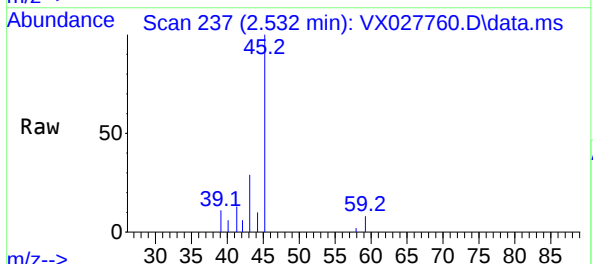
Ion	Ratio	Lower	Upper
96	100		
61	146.1	124.6	187.0
98	48.0	51.0	76.4#

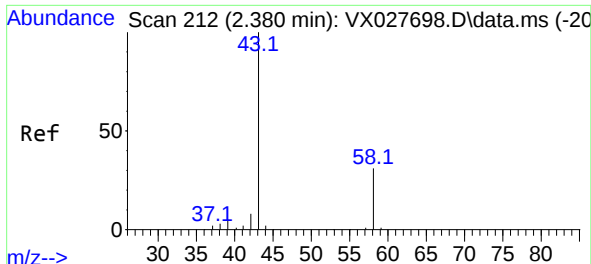


#14
Allyl chloride
Concen: 0.270 ug/l
RT: 2.532 min Scan# 237
Delta R.T. -0.134 min
Lab File: VX027760.D
Acq: 28 Mar 2022 19:15

Tgt Ion: 41 Resp: 358

Ion	Ratio	Lower	Upper
41	100		
39	123.5	50.4	75.6#
76	0.0	32.7	49.1#

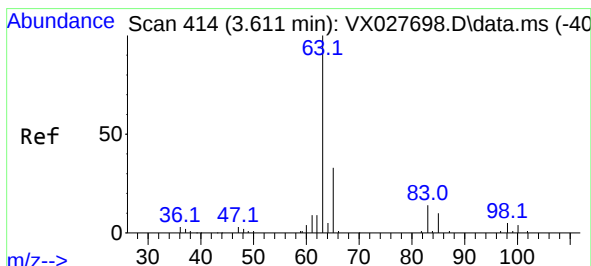
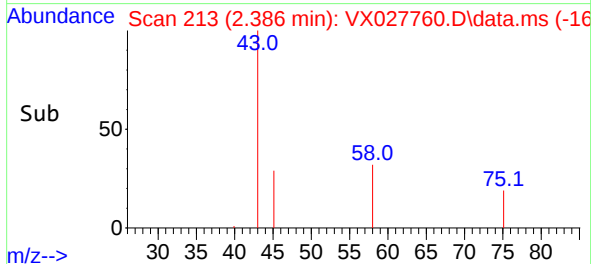
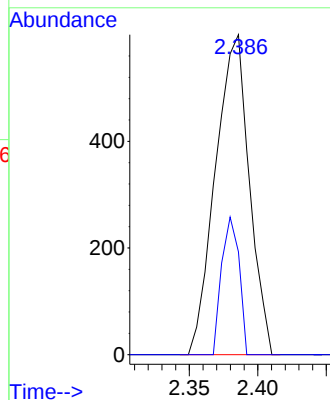
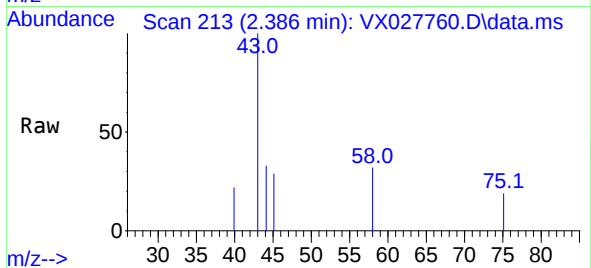




#16
Acetone
Concen: 2.254 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX027760.D
Acq: 28 Mar 2022 19:15

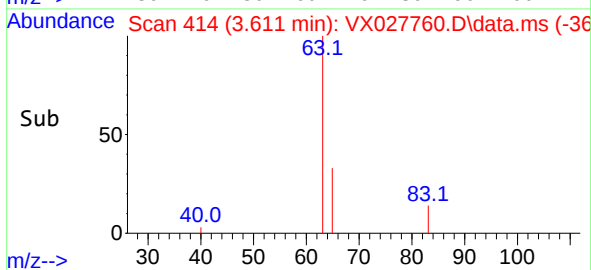
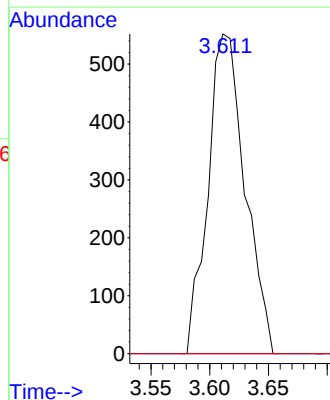
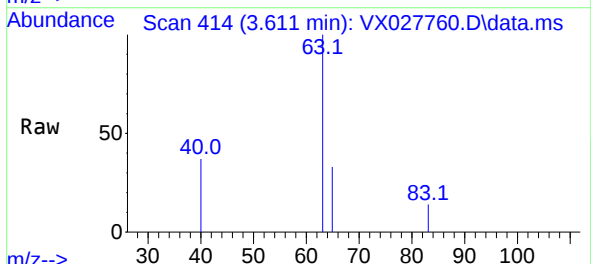
Instrument :
MSVOA_X
ClientSampleId :
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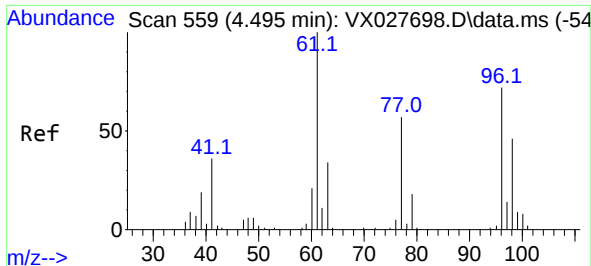
Tgt Ion: 43 Resp: 1031
Ion Ratio Lower Upper
43 100
58 32.2 28.8 43.2



#24
1,1-Dichloroethane
Concen: 0.809 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX027760.D
Acq: 28 Mar 2022 19:15

Tgt Ion: 63 Resp: 1210
Ion Ratio Lower Upper
63 100
98 0.0 3.9 11.7#
100 0.0 2.4 7.2#



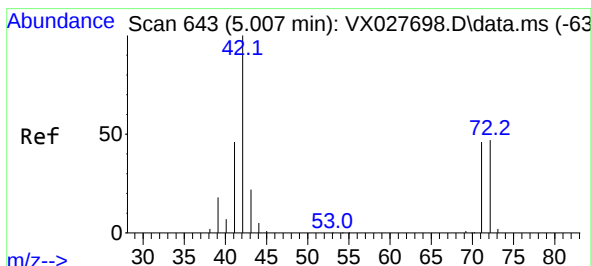
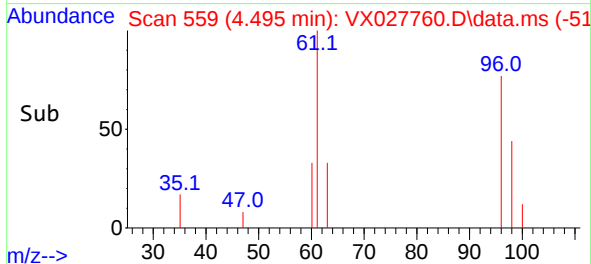
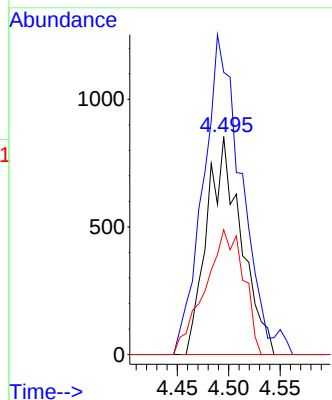
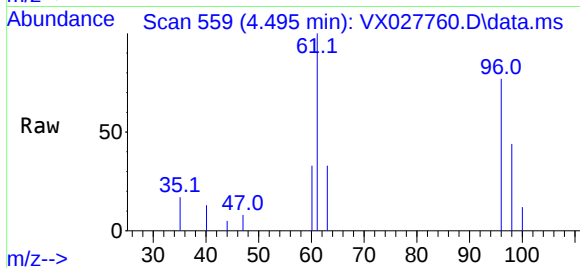


#27
cis-1,2-Dichloroethene
Concen: 2.277 ug/l
RT: 4.495 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX027760.D
Acq: 28 Mar 2022 19:15

Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20220316

Tgt Ion: 96 Resp: 1976

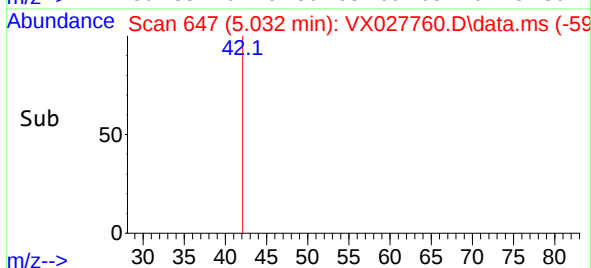
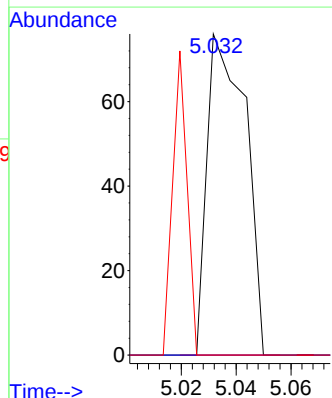
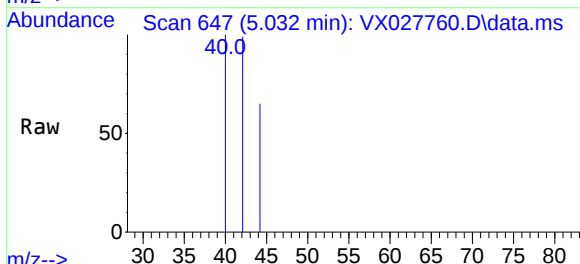
Ion	Ratio	Lower	Upper
96	100		
61	165.6	0.0	283.8
98	64.8	0.0	129.8

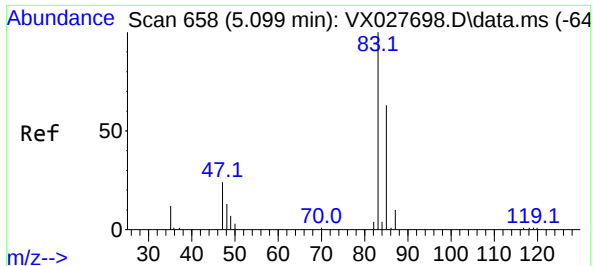


#29
Tetrahydrofuran
Concen: Below Cal
RT: 5.032 min Scan# 647
Delta R.T. 0.025 min
Lab File: VX027760.D
Acq: 28 Mar 2022 19:15

Tgt Ion: 42 Resp: 74

Ion	Ratio	Lower	Upper
42	100		
72	0.0	44.1	66.1#
71	35.1	40.5	60.7#

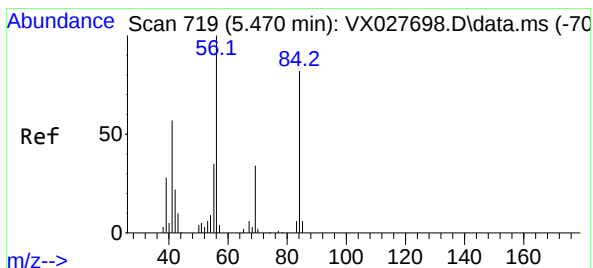
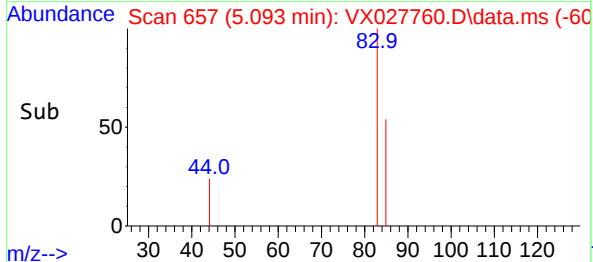
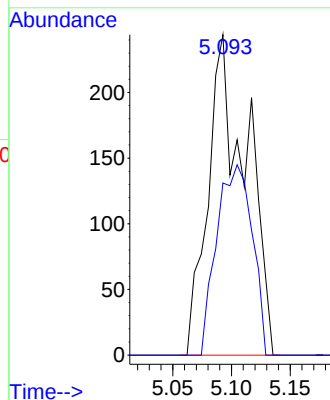
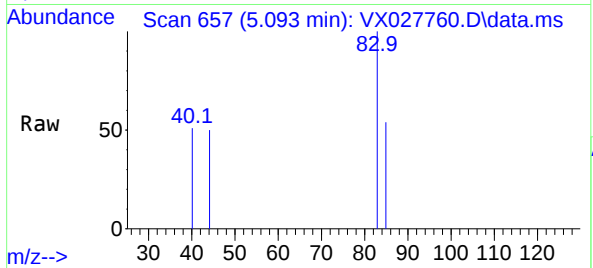




#30
Chloroform
Concen: 0.369 ug/l
RT: 5.093 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX027760.D
Acq: 28 Mar 2022 19:15

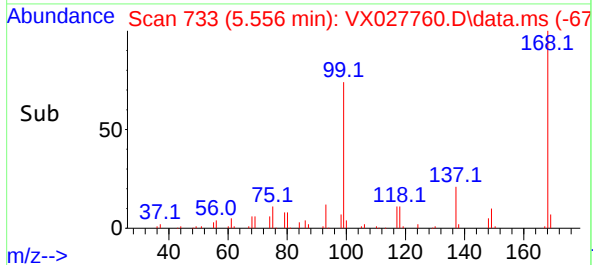
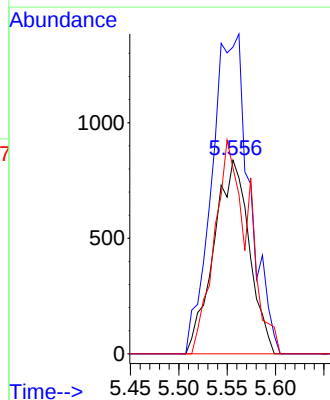
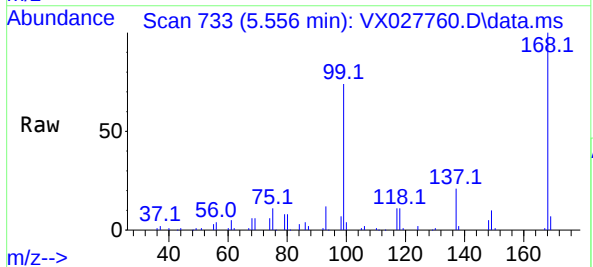
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20220316

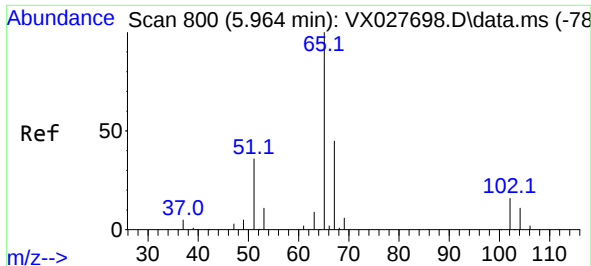
Tgt Ion: 83 Resp: 553
Ion Ratio Lower Upper
83 100
85 53.7 52.7 79.1



#31
Cyclohexane
Concen: 1.629 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX027760.D
Acq: 28 Mar 2022 19:15

Tgt Ion: 56 Resp: 2137
Ion Ratio Lower Upper
56 100
69 158.4 26.7 40.1#
84 95.8 77.2 115.8





#33

1,2-Dichloroethane-d4

Concen: 57.338 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX027760.D

Acq: 28 Mar 2022 19:15

Instrument :

MSVOA_X

ClientSampleId :

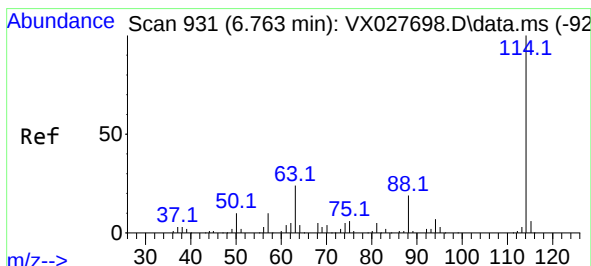
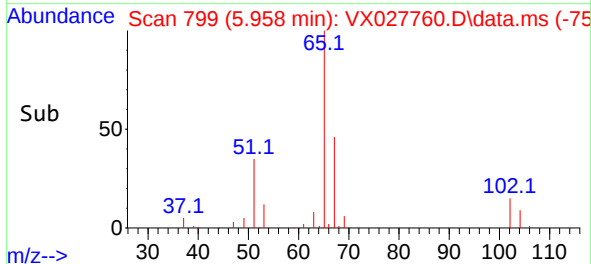
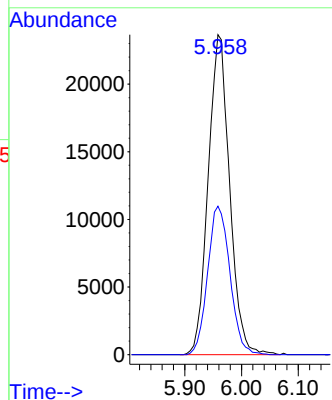
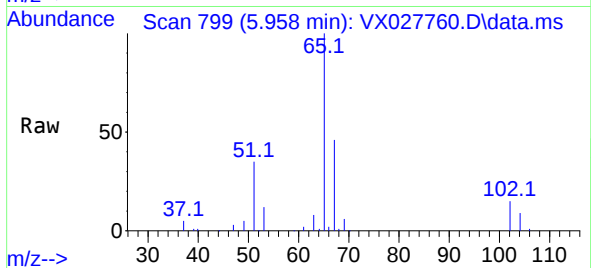
RE120D1-20220316

Tgt Ion: 65 Resp: 62026

Ion Ratio Lower Upper

65 100

67 48.3 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX027760.D

Acq: 28 Mar 2022 19:15

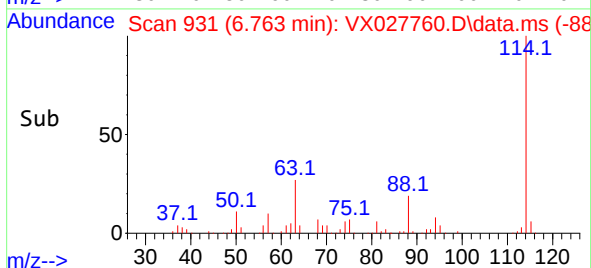
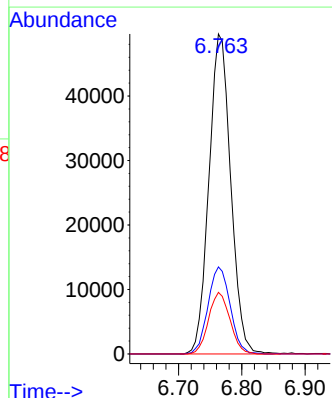
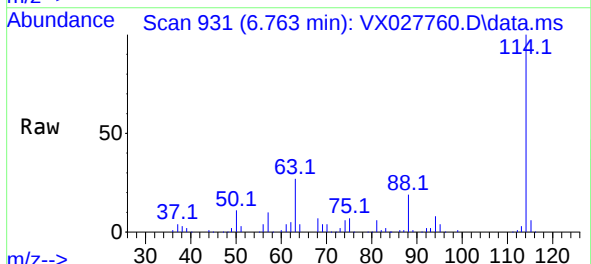
Tgt Ion:114 Resp: 118595

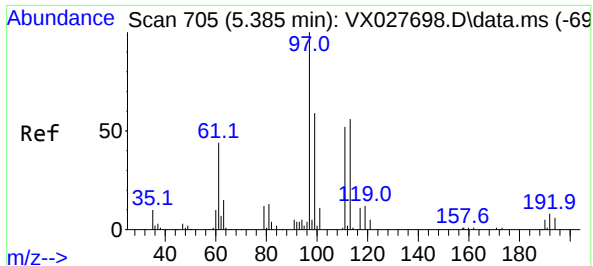
Ion Ratio Lower Upper

114 100

63 27.2 0.0 36.8

88 19.3 0.0 32.4





#35

Dibromofluoromethane

Concen: 52.658 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX027760.D

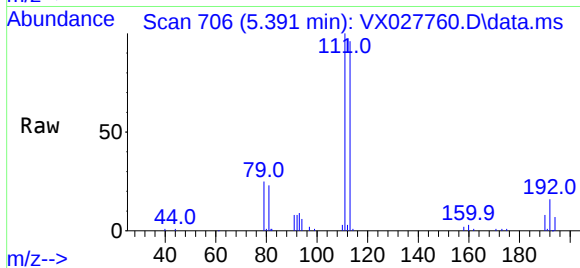
Acq: 28 Mar 2022 19:15

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20220316



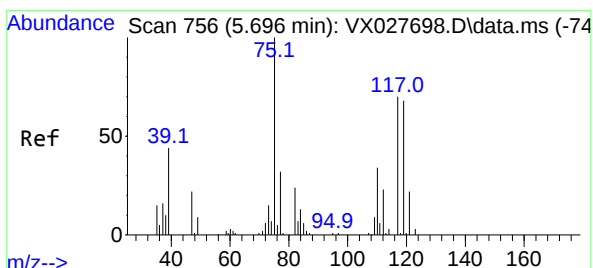
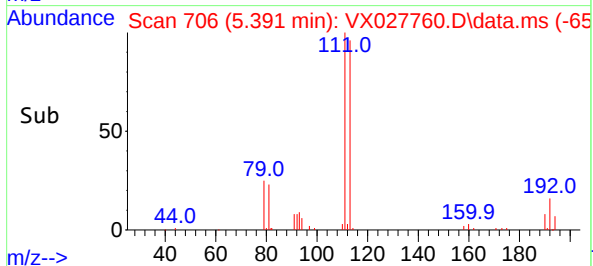
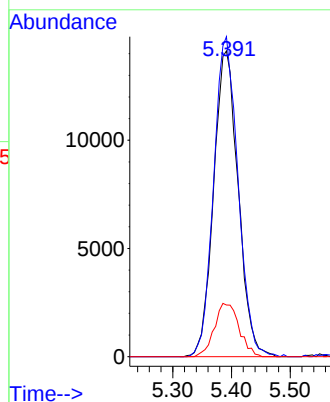
Tgt Ion:113 Resp: 41010

Ion Ratio Lower Upper

113 100

111 103.8 82.8 124.2

192 17.6 16.9 25.3



#36

1,1-Dichloropropene

Concen: 5.322 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX027760.D

Acq: 28 Mar 2022 19:15

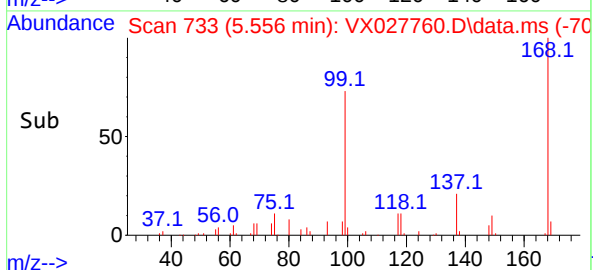
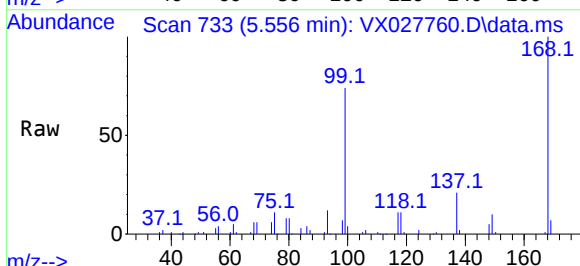
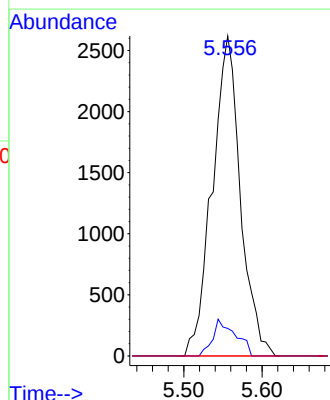
Tgt Ion: 75 Resp: 6547

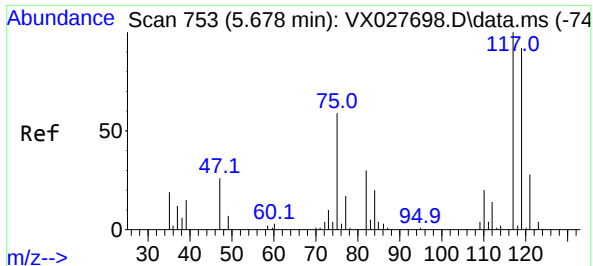
Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.8#

77 0.0 24.8 37.2#

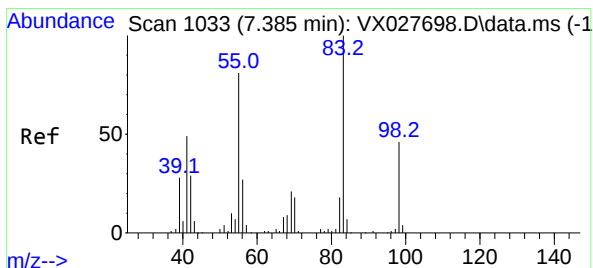
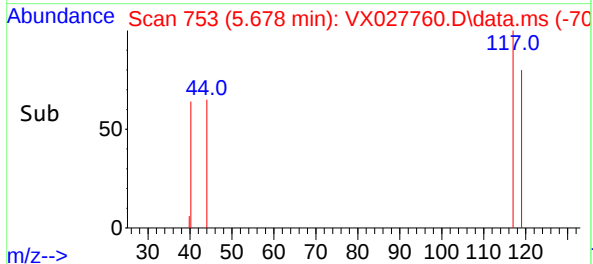
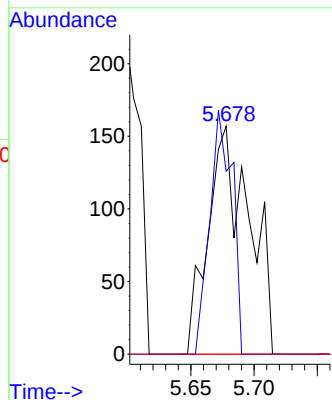
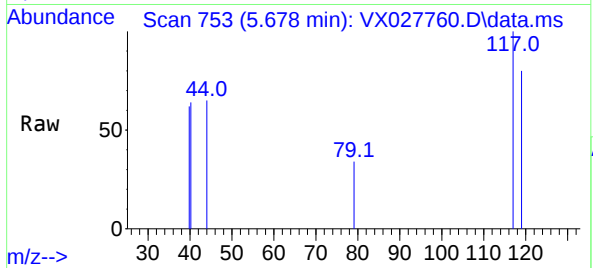




#38
Carbon Tetrachloride
Concen: 0.297 ug/l
RT: 5.678 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027760.D
Acq: 28 Mar 2022 19:15

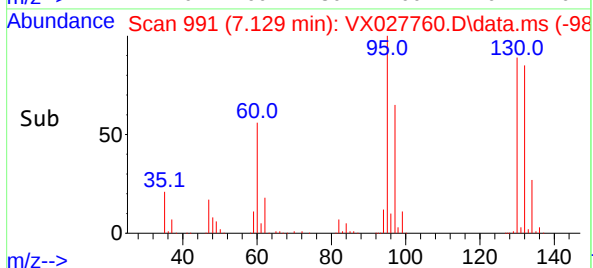
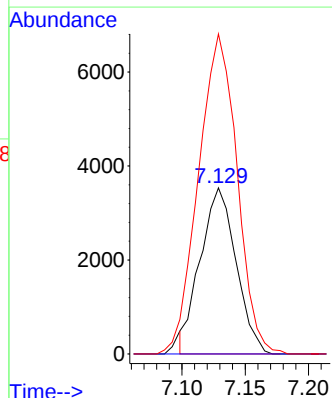
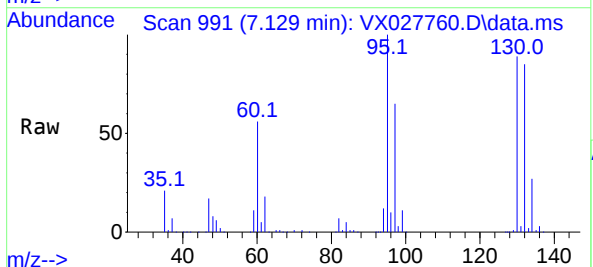
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20220316

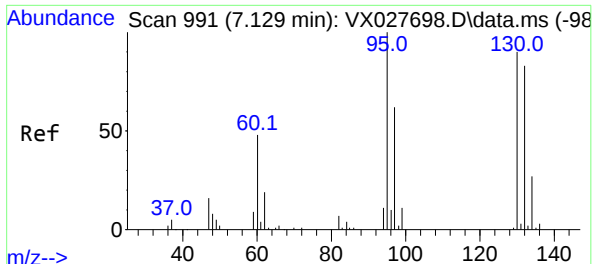
Tgt Ion:117 Resp: 357
Ion Ratio Lower Upper
117 100
119 80.3 77.3 115.9
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 4.897 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX027760.D
Acq: 28 Mar 2022 19:15

Tgt Ion: 83 Resp: 6929
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 190.6 37.4 56.2#

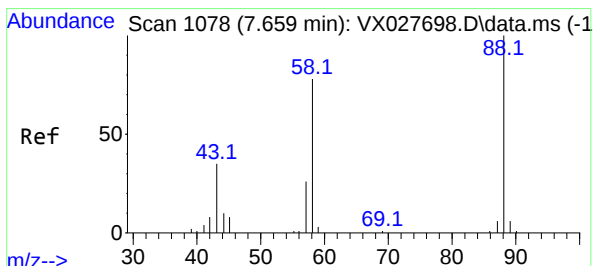
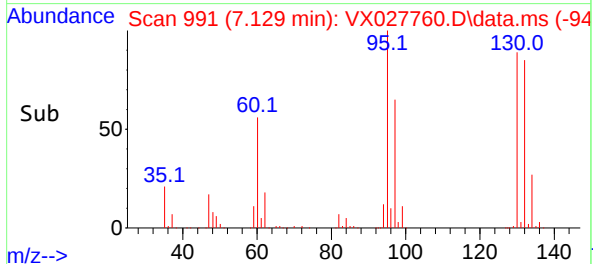
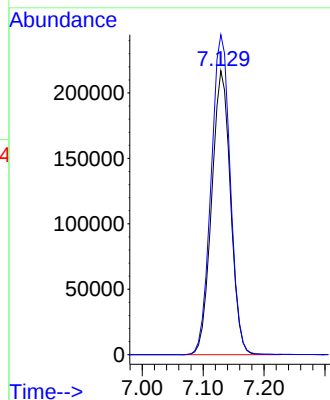
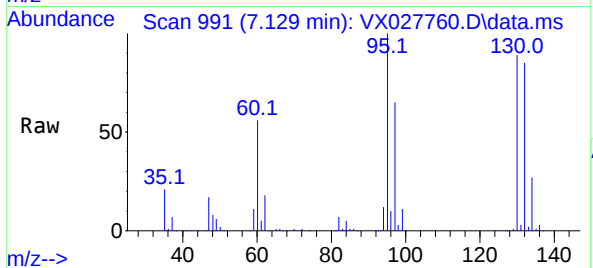




#44
Trichloroethene
Concen: 530.095 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX027760.D
Acq: 28 Mar 2022 19:15

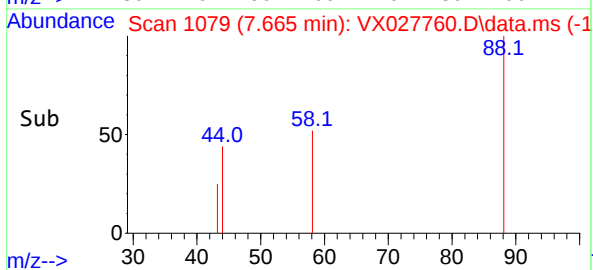
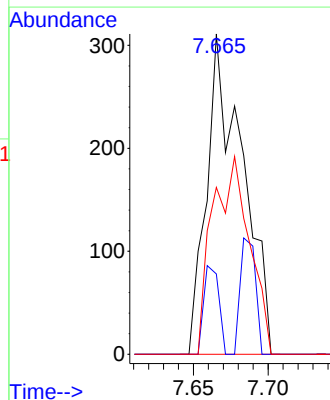
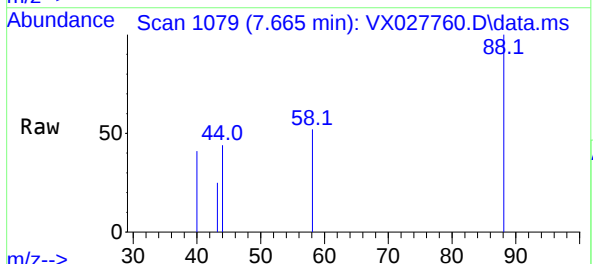
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20220316

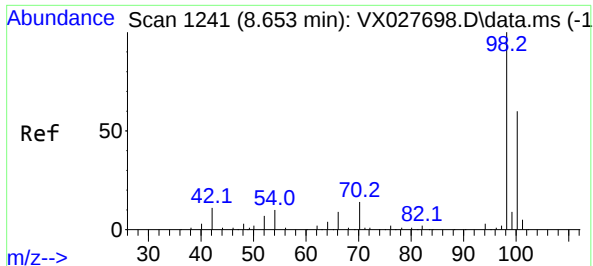
Tgt Ion:130 Resp: 466059
Ion Ratio Lower Upper
130 100
95 112.6 0.0 188.8



#49
1,4-Dioxane
Concen: 22.663 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX027760.D
Acq: 28 Mar 2022 19:15

Tgt Ion: 88 Resp: 517
Ion Ratio Lower Upper
88 100
43 11.6 21.9 32.9#
58 0.0 53.7 80.5#





#50

Toluene-d8

Concen: 49.213 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX027760.D

Acq: 28 Mar 2022 19:15

Instrument :

MSVOA_X

ClientSampleId :

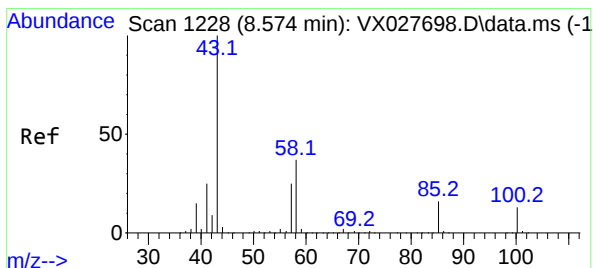
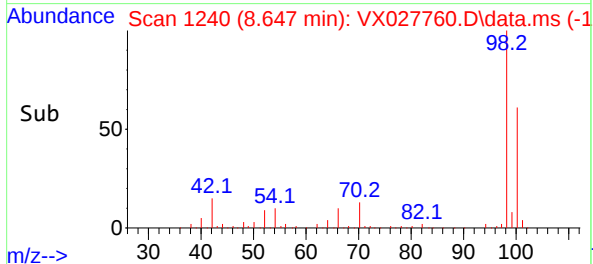
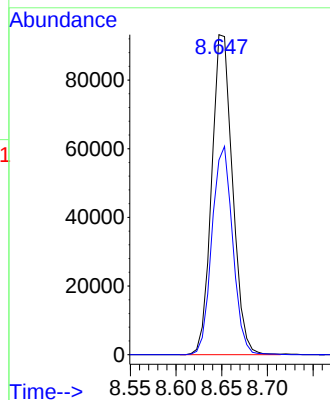
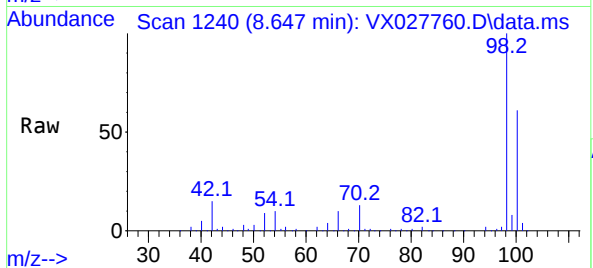
RE120D1-20220316

Tgt Ion: 98 Resp: 148161

Ion Ratio Lower Upper

98 100

100 64.7 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 0.585 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX027760.D

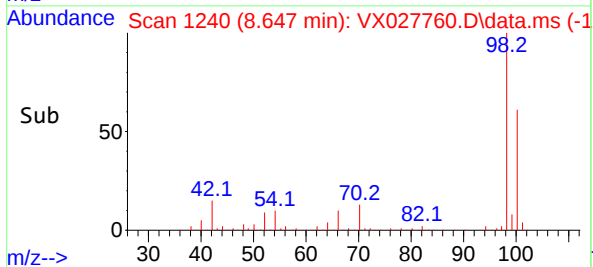
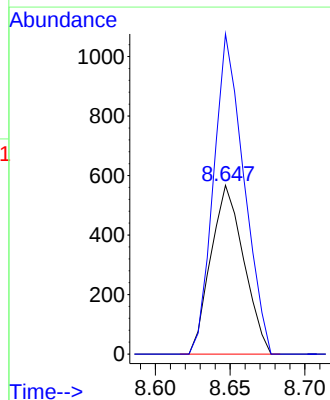
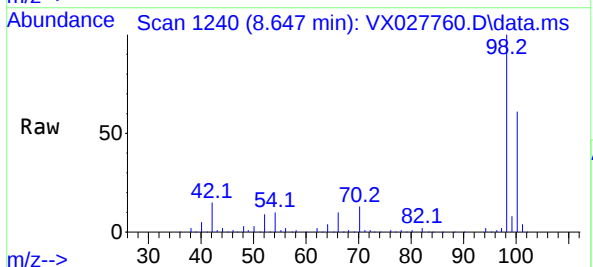
Acq: 28 Mar 2022 19:15

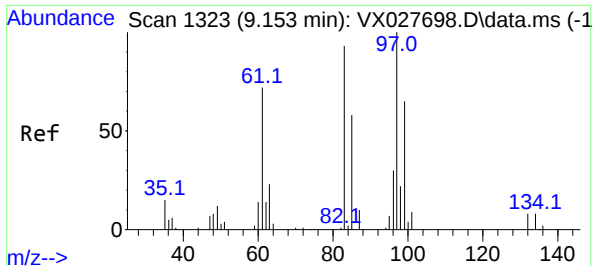
Tgt Ion: 43 Resp: 868

Ion Ratio Lower Upper

43 100

58 174.8 36.1 54.1#



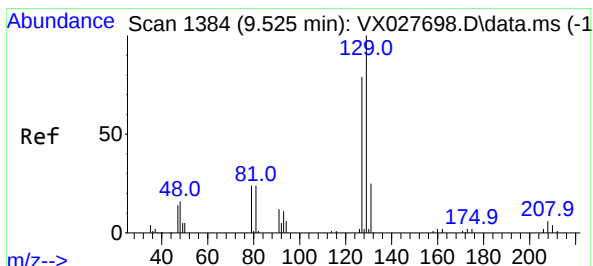
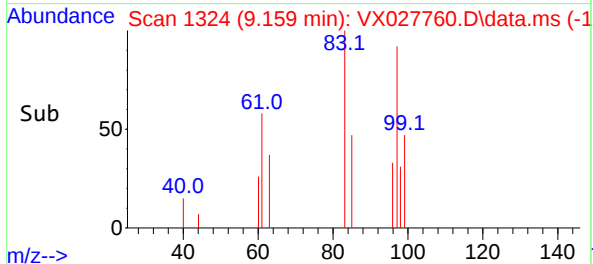
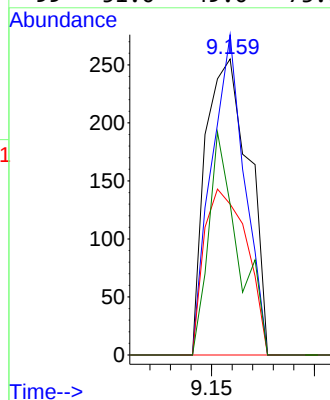
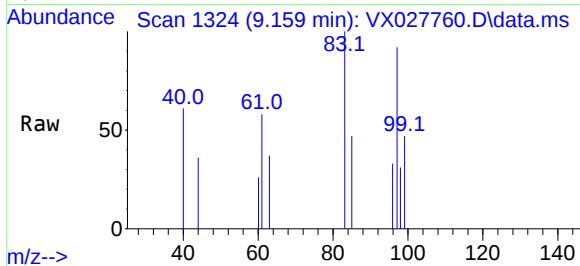


#55
1,1,2-Trichloroethane
Concen: 0.432 ug/l
RT: 9.159 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX027760.D
Acq: 28 Mar 2022 19:15

Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20220316

Tgt Ion: 97 Resp: 373

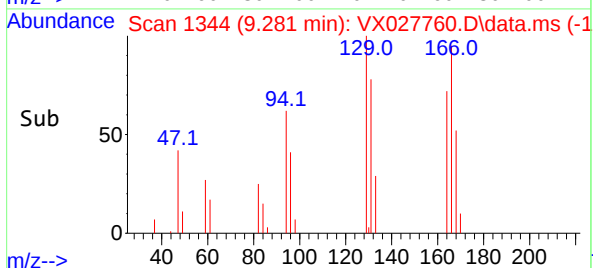
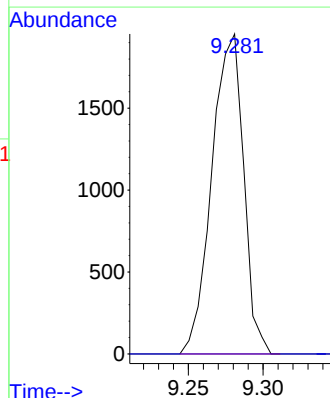
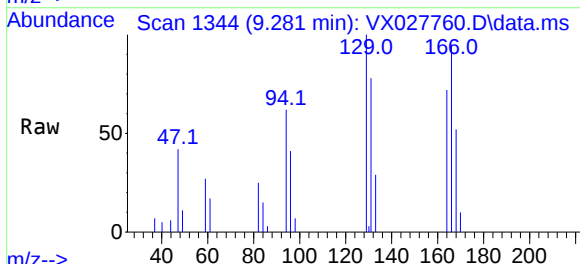
Ion	Ratio	Lower	Upper
97	100		
83	108.2	66.2	99.4#
85	51.0	42.9	64.3
99	51.0	49.0	73.6

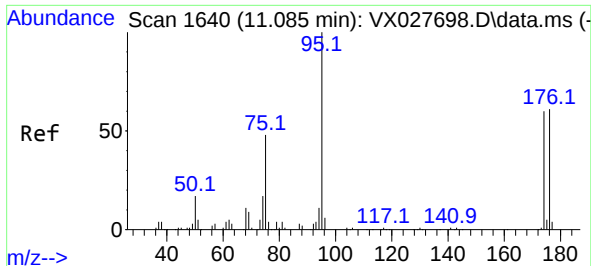


#60
Dibromochloromethane
Concen: 3.453 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX027760.D
Acq: 28 Mar 2022 19:15

Tgt Ion: 129 Resp: 2883

Ion	Ratio	Lower	Upper
129	100		
127	0.0	40.3	120.8#

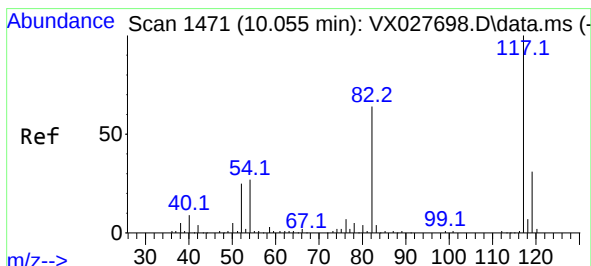
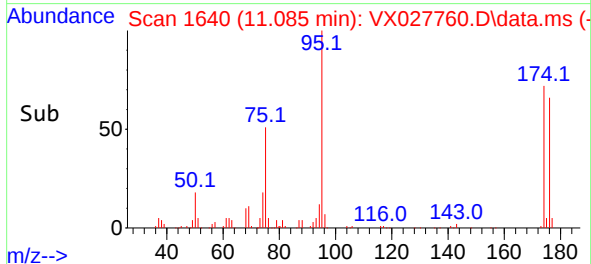
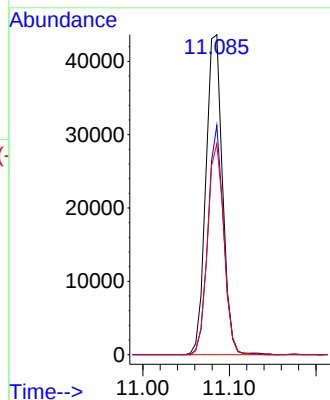
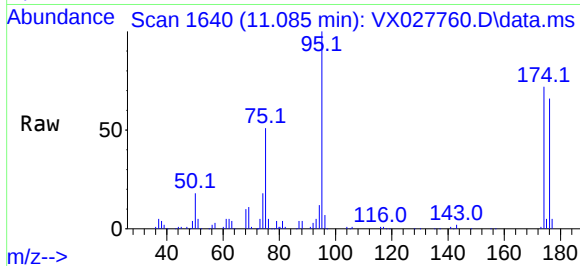




#62
4-Bromofluorobenzene
Concen: 47.583 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX027760.D
Acq: 28 Mar 2022 19:15

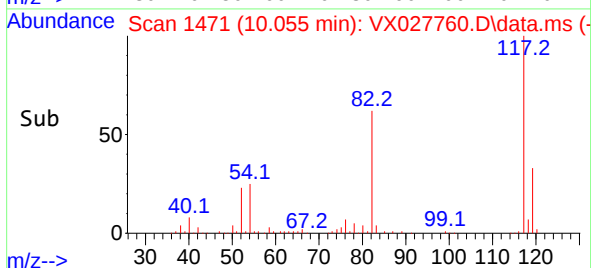
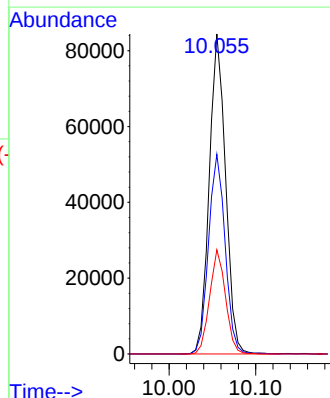
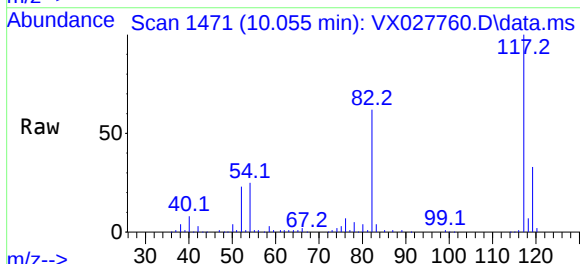
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20220316

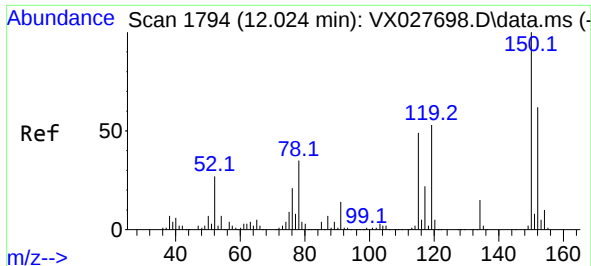
Tgt Ion: 95 Resp: 58127
Ion Ratio Lower Upper
95 100
174 67.2 0.0 163.0
176 64.9 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027760.D
Acq: 28 Mar 2022 19:15

Tgt Ion: 117 Resp: 110547
Ion Ratio Lower Upper
117 100
82 62.4 41.8 62.8
119 32.6 24.8 37.2

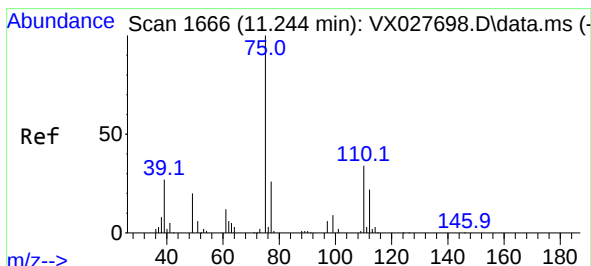
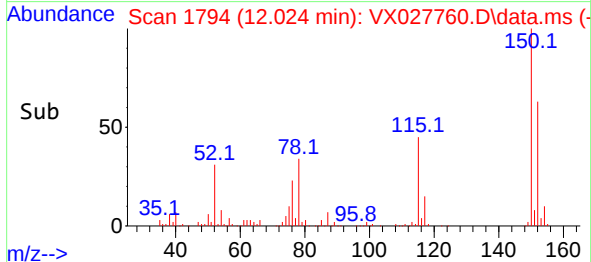
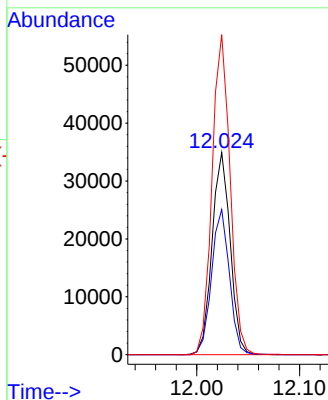
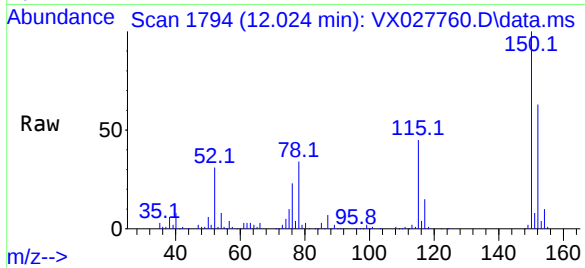




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027760.D
Acq: 28 Mar 2022 19:15

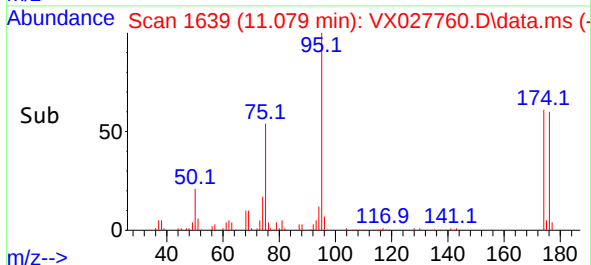
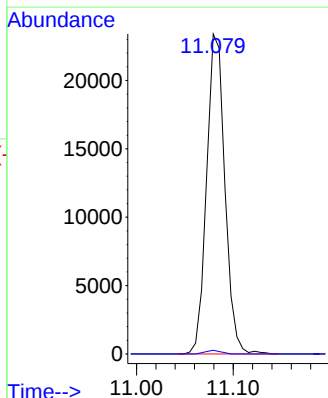
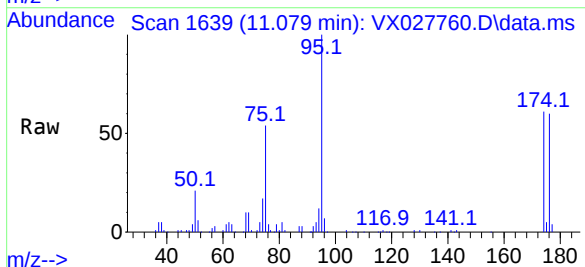
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20220316

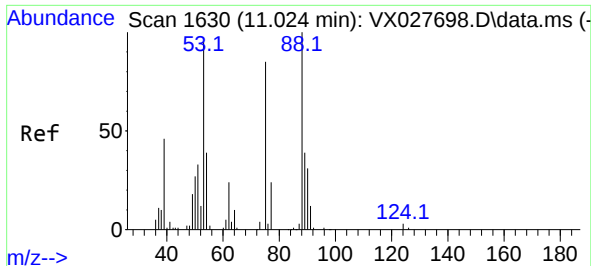
Tgt Ion:152 Resp: 42852
Ion Ratio Lower Upper
152 100
115 70.9 37.5 112.7
150 157.4 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 25.794 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027760.D
Acq: 28 Mar 2022 19:15

Tgt Ion: 75 Resp: 30775
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.799 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.055 min
 Lab File: VX027760.D
 Acq: 28 Mar 2022 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D1-20220316

Tgt Ion: 75 Resp: 30775
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.1 37.0 55.6#

