

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032822\
 Data File : VX027761.D
 Acq On : 28 Mar 2022 19:39
 Operator : JC/MD
 Sample : N2041-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D2-20220316

Quant Time: Mar 29 05:41:45 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)

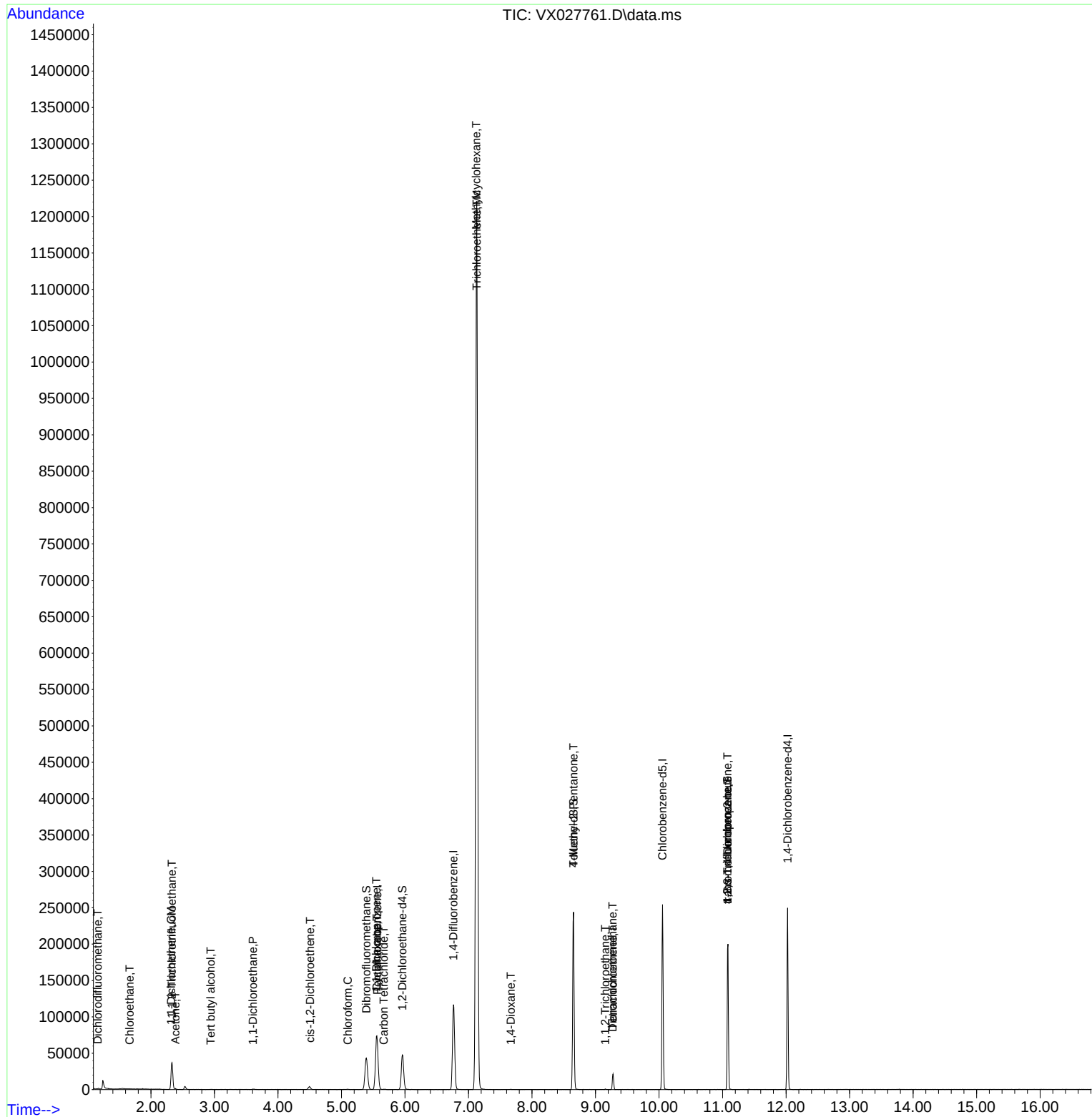
Internal Standards						
1) Pentafluorobenzene	5.562	168	66645	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	118094	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	109132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	46363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	47512	43.467	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	86.940%
35) Dibromofluoromethane	5.391	113	38694	49.895	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.780%
50) Toluene-d8	8.653	98	144336	48.146	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.300%
62) 4-Bromofluorobenzene	11.079	95	56809	46.701	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.400%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.160	85	219	0.283	ug/l	# 42
6) Chloroethane	1.666	64	103	0.209	ug/l	# 43
9) 1,1,2-Trichlorotrifluo...	2.331	101	13059	17.194	ug/l	90
11) Tert butyl alcohol	2.940	59	176	0.865	ug/l	# 72
12) 1,1-Dichloroethene	2.319	96	1798	2.540	ug/l	88
16) Acetone	2.386	43	982	2.124	ug/l	# 74
24) 1,1-Dichloroethane	3.605	63	894	0.591	ug/l	# 81
27) cis-1,2-Dichloroethene	4.507	96	2360	2.691	ug/l	96
29) Tetrahydrofuran	5.031	42	21	Below Cal	#	25
30) Chloroform	5.099	83	567	0.374	ug/l	# 70
31) Cyclohexane	5.556	56	1597	1.205	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	5704	4.657	ug/l	# 50
38) Carbon Tetrachloride	5.666	117	313	0.261	ug/l	# 55
39) Methylcyclohexane	7.123	83	5633	3.998	ug/l	# 1
44) Trichloroethene	7.129	130	438942	501.370	ug/l	88
49) 1,4-Dioxane	7.665	88	279	12.282	ug/l	# 74
51) 4-Methyl-2-Pentanone	8.653	43	601	0.407	ug/l	# 1
55) 1,1,2-Trichloroethane	9.153	97	234	0.272	ug/l	# 63
60) Dibromochloromethane	9.269	129	3852	4.633	ug/l	# 9
64) Tetrachloroethene	9.275	164	4042	2.511	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	30685	23.771	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	30685	80.913	ug/l	# 15

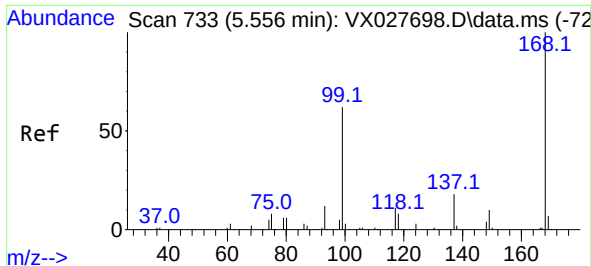
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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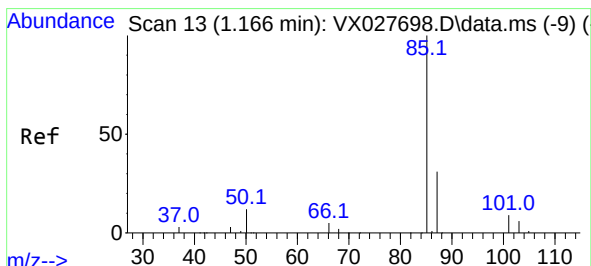
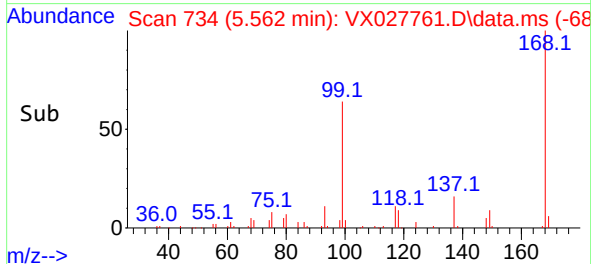
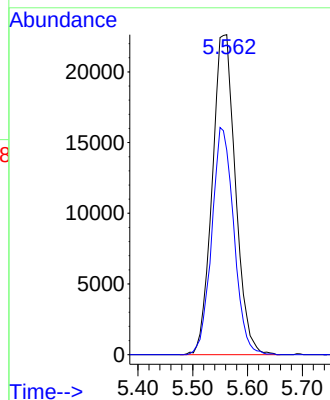
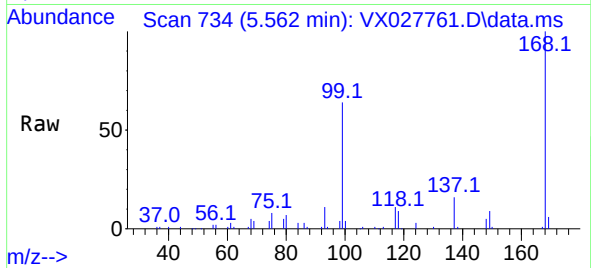




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX027761.D
Acq: 28 Mar 2022 19:39

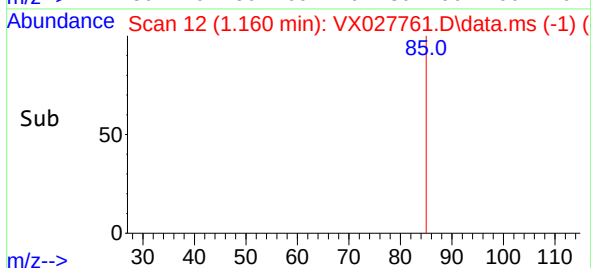
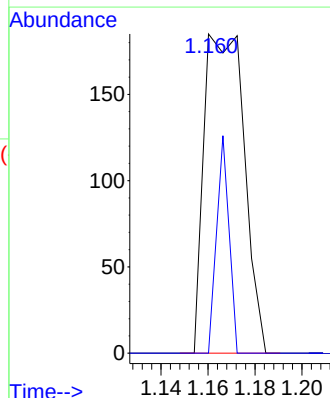
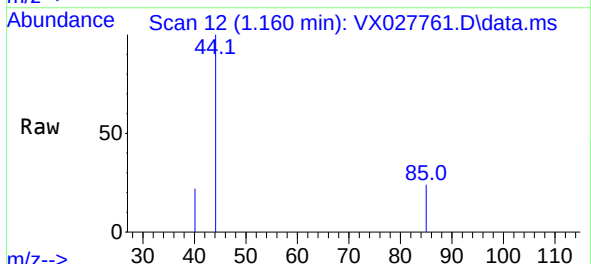
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20220316

Tgt Ion:168 Resp: 66645
Ion Ratio Lower Upper
168 100
99 63.9 41.7 62.5#

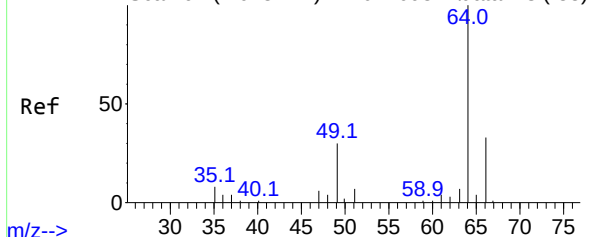


#2
Dichlorodifluoromethane
Concen: 0.283 ug/l
RT: 1.160 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX027761.D
Acq: 28 Mar 2022 19:39

Tgt Ion: 85 Resp: 219
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.6#

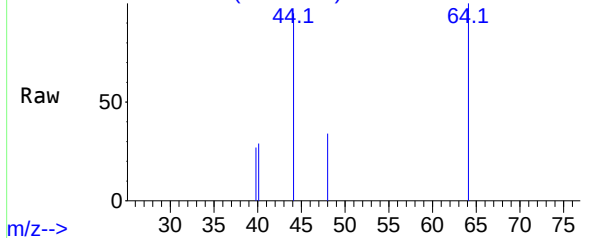


Abundance Scan 97 (1.678 min): VX027698.D\data.ms (-88)



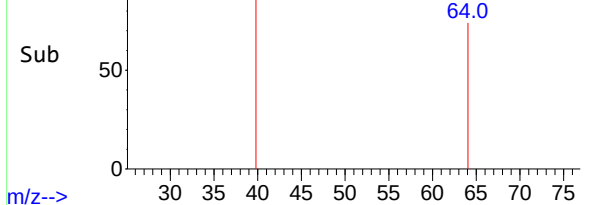
m/z-->

Abundance Scan 95 (1.666 min): VX027761.D\data.ms



m/z-->

Abundance Scan 95 (1.666 min): VX027761.D\data.ms (-48)

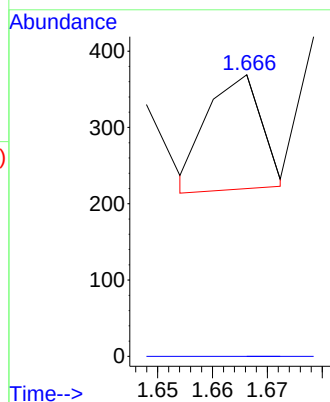


m/z-->

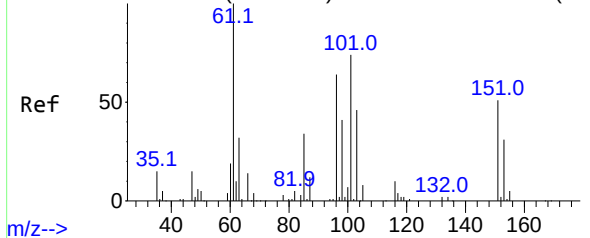
#6
Chloroethane
Concen: 0.209 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.012 min
Lab File: VX027761.D
Acq: 28 Mar 2022 19:39

Tgt Ion	Ratio	Lower	Upper
64	100		
66	0.0	25.3	37.9

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20220316

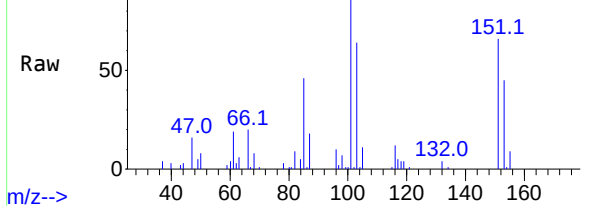


Abundance Scan 203 (2.325 min): VX027698.D\data.ms (-19)



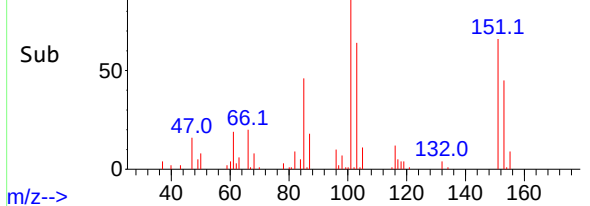
m/z-->

Abundance Scan 204 (2.331 min): VX027761.D\data.ms



m/z-->

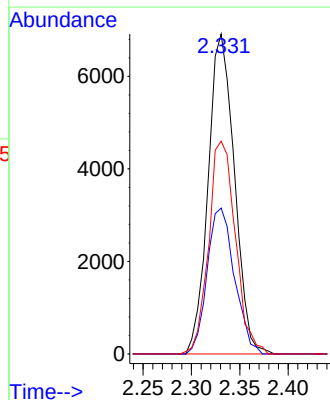
Abundance Scan 204 (2.331 min): VX027761.D\data.ms (-15)

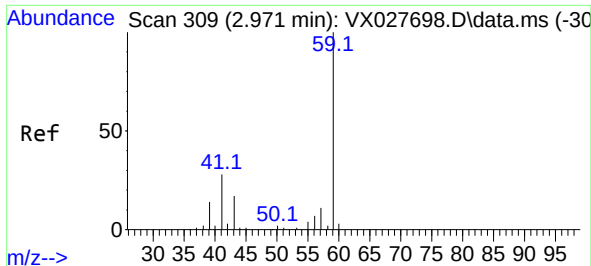


m/z-->

#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.194 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX027761.D
Acq: 28 Mar 2022 19:39

Tgt Ion	Ratio	Lower	Upper
101	100		
85	47.4	33.5	50.3
151	67.8	61.8	92.6





#11

Tert butyl alcohol

Concen: 0.865 ug/l

RT: 2.940 min Scan# 309

Delta R.T. -0.031 min

Lab File: VX027761.D

Acq: 28 Mar 2022 19:39

Instrument :

MSVOA_X

ClientSampleId :

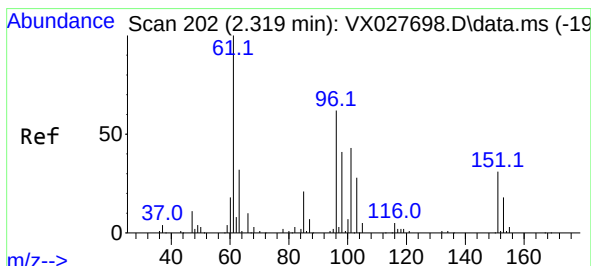
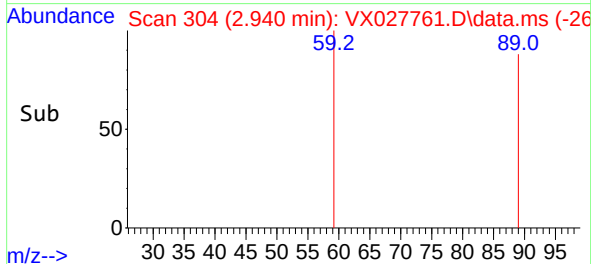
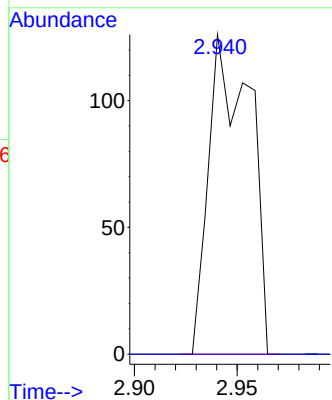
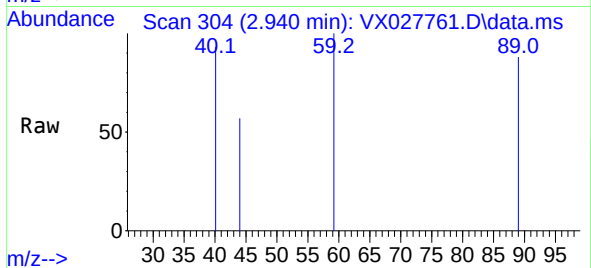
RE120D2-20220316

Tgt Ion: 59 Resp: 176

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 2.540 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX027761.D

Acq: 28 Mar 2022 19:39

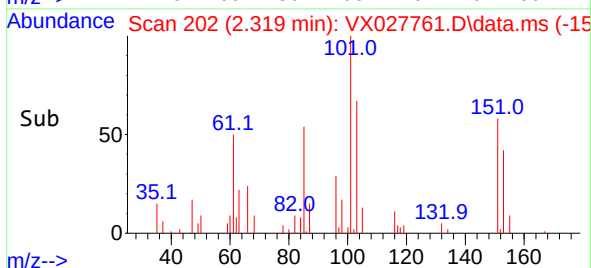
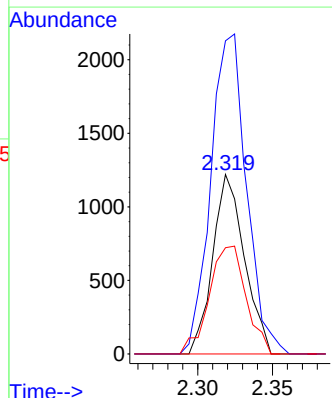
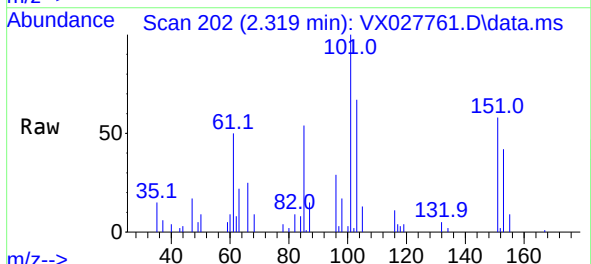
Tgt Ion: 96 Resp: 1798

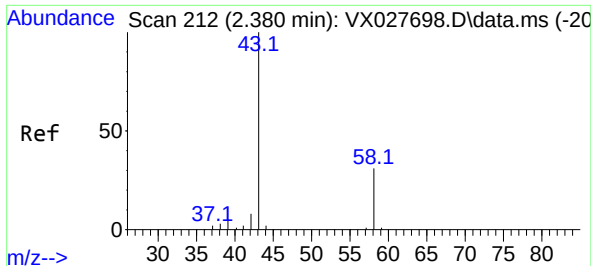
Ion Ratio Lower Upper

96 100

61 174.4 124.6 187.0

98 59.2 51.0 76.4

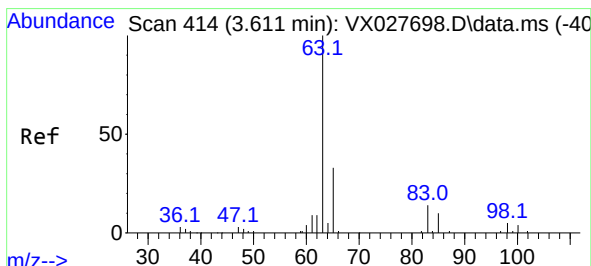
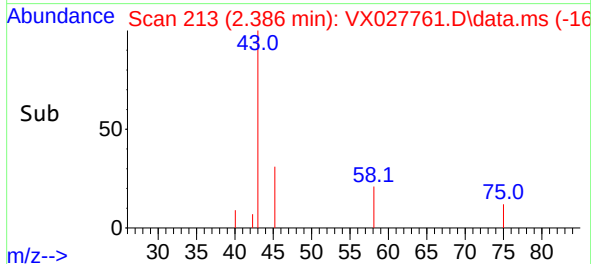
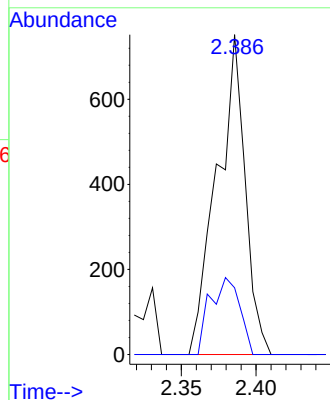
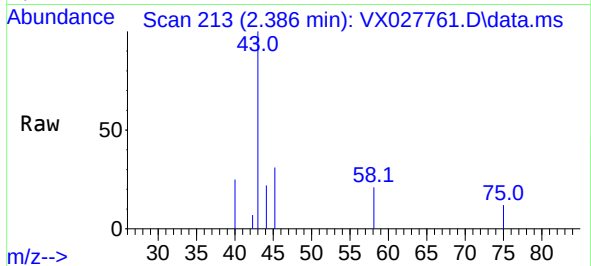




#16
Acetone
Concen: 2.124 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX027761.D
Acq: 28 Mar 2022 19:39

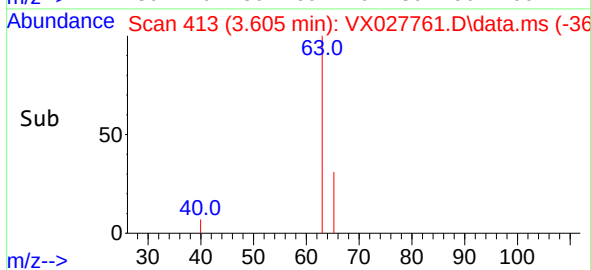
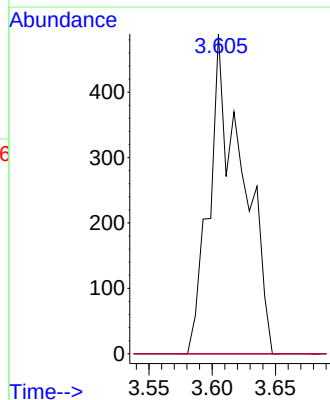
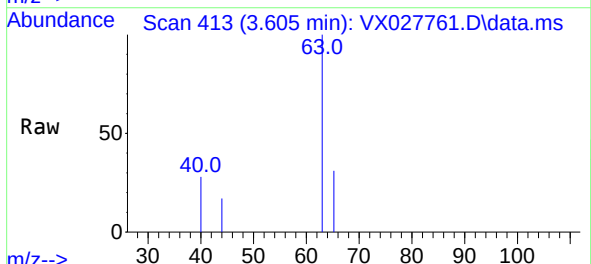
Instrument :
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ClientSampleId :
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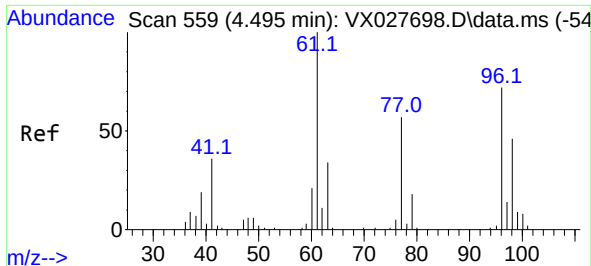
Tgt Ion: 43 Resp: 982
Ion Ratio Lower Upper
43 100
58 20.9 28.8 43.2#



#24
1,1-Dichloroethane
Concen: 0.591 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.006 min
Lab File: VX027761.D
Acq: 28 Mar 2022 19:39

Tgt Ion: 63 Resp: 894
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: 2.691 ug/l

RT: 4.507 min Scan# 5

Delta R.T. 0.012 min

Lab File: VX027761.D

Acq: 28 Mar 2022 19:39

Instrument :

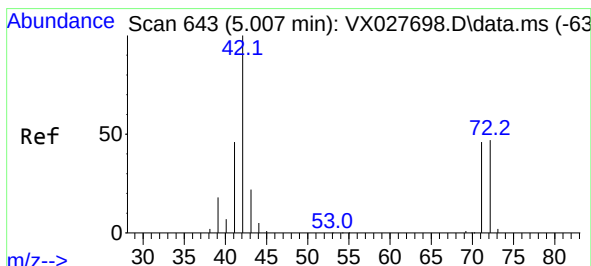
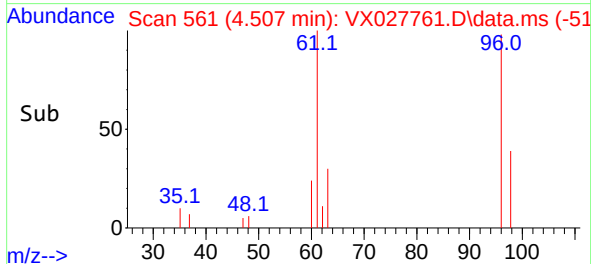
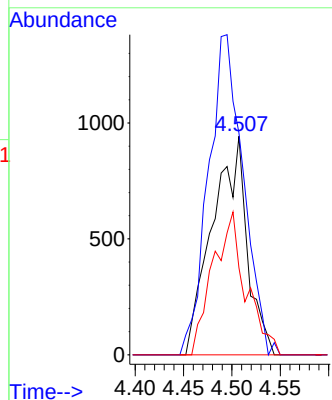
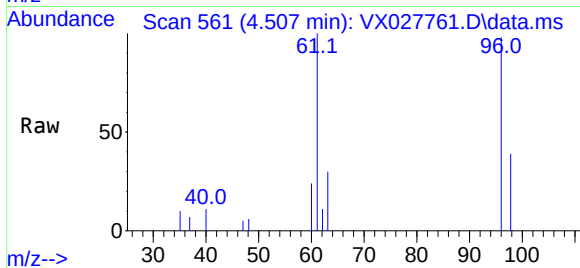
MSVOA_X

ClientSampleId :

RE120D2-20220316

Tgt Ion: 96 Resp: 2360

Ion	Ratio	Lower	Upper
96	100		
61	146.6	0.0	283.8
98	62.3	0.0	129.8



#29

Tetrahydrofuran

Concen: Below Cal

RT: 5.031 min Scan# 647

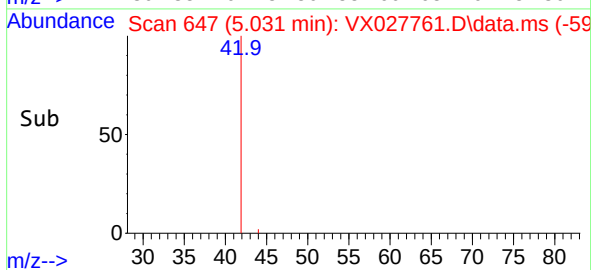
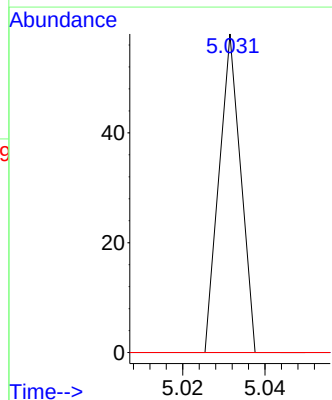
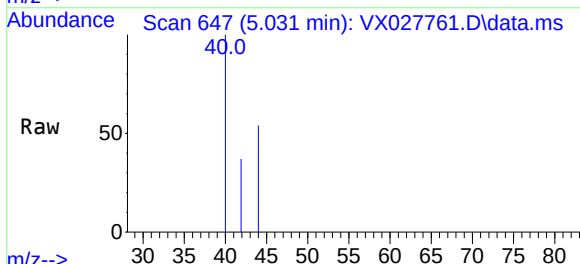
Delta R.T. 0.024 min

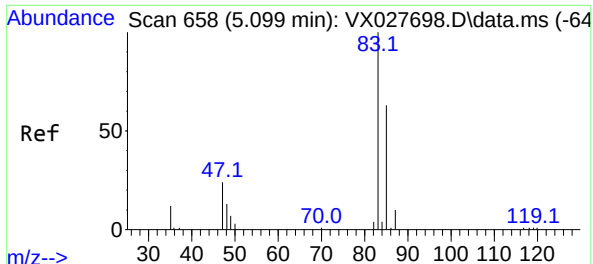
Lab File: VX027761.D

Acq: 28 Mar 2022 19:39

Tgt Ion: 42 Resp: 21

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

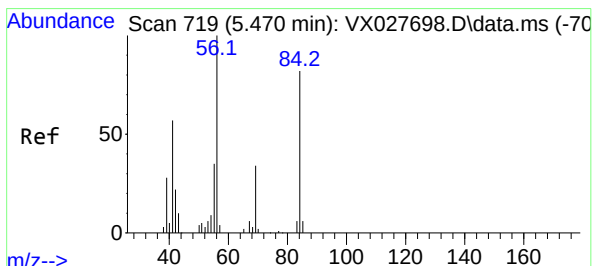
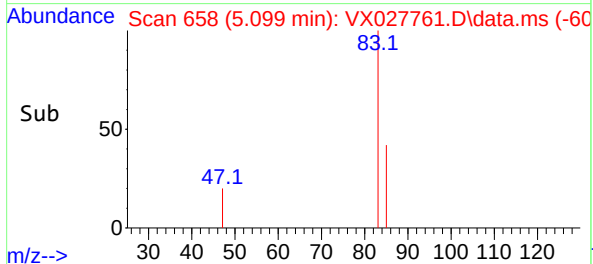
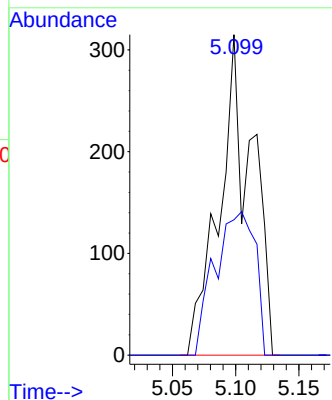
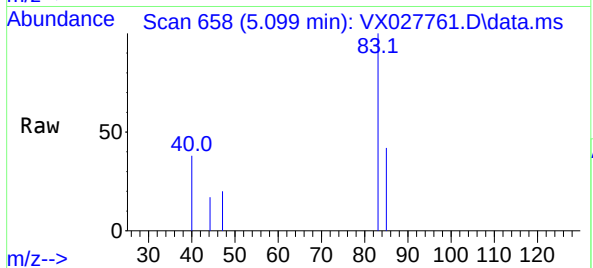




#30
Chloroform
Concen: 0.374 ug/l
RT: 5.099 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX027761.D
Acq: 28 Mar 2022 19:39

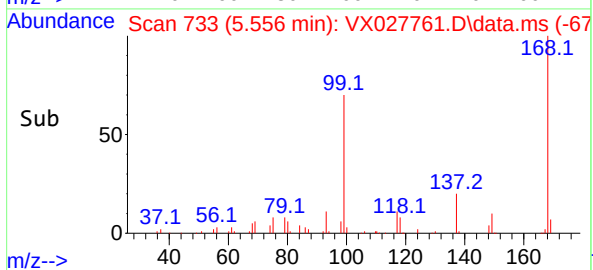
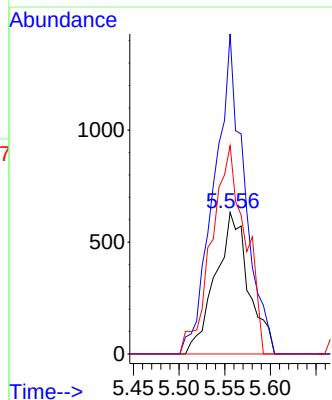
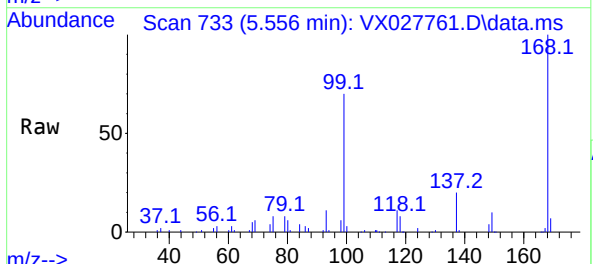
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20220316

Tgt Ion: 83 Resp: 567
Ion Ratio Lower Upper
83 100
85 42.2 52.7 79.1#

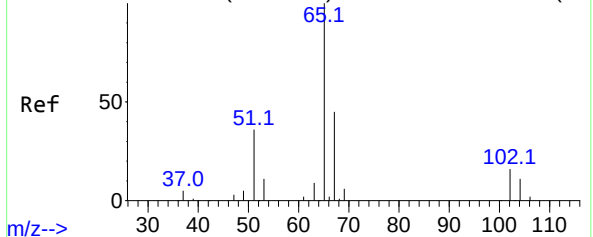


#31
Cyclohexane
Concen: 1.205 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX027761.D
Acq: 28 Mar 2022 19:39

Tgt Ion: 56 Resp: 1597
Ion Ratio Lower Upper
56 100
69 226.3 26.7 40.1#
84 147.3 77.2 115.8#



Abundance Scan 800 (5.964 min): VX027698.D\data.ms (-78



#33

1,2-Dichloroethane-d4

Concen: 43.467 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX027761.D

Acq: 28 Mar 2022 19:39

Instrument :

MSVOA_X

ClientSampleId :

RE120D2-20220316

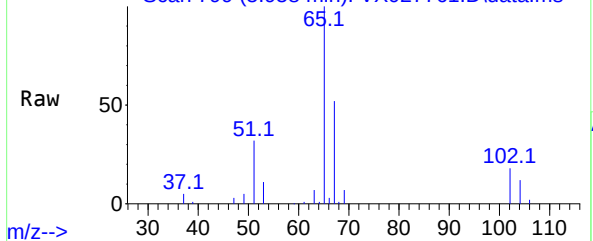
Tgt Ion: 65 Resp: 47512

Ion Ratio Lower Upper

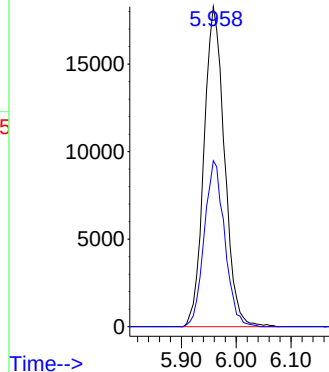
65 100

67 51.6 0.0 107.4

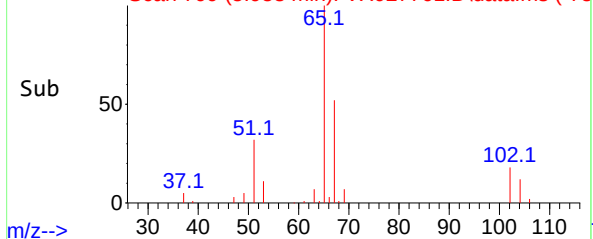
Abundance Scan 799 (5.958 min): VX027761.D\data.ms



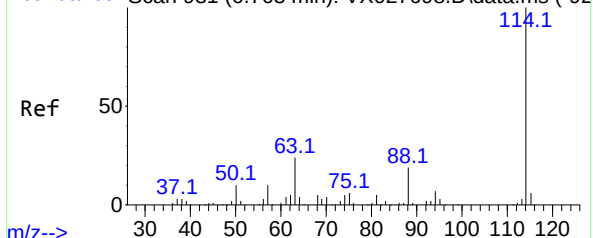
Abundance



Abundance Scan 799 (5.958 min): VX027761.D\data.ms (-75



Abundance Scan 931 (6.763 min): VX027698.D\data.ms (-92



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX027761.D

Acq: 28 Mar 2022 19:39

Tgt Ion: 114 Resp: 118094

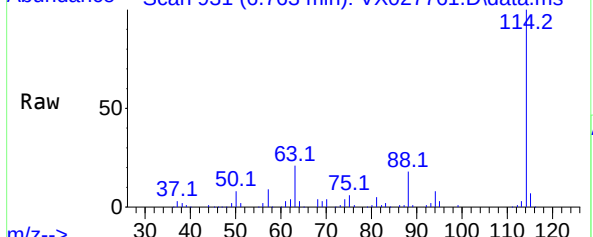
Ion Ratio Lower Upper

114 100

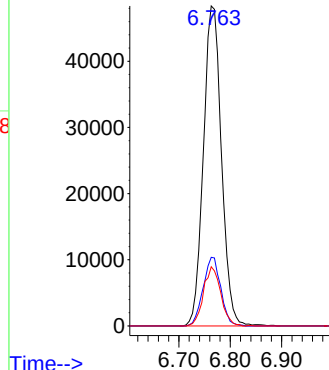
63 21.4 0.0 36.8

88 18.5 0.0 32.4

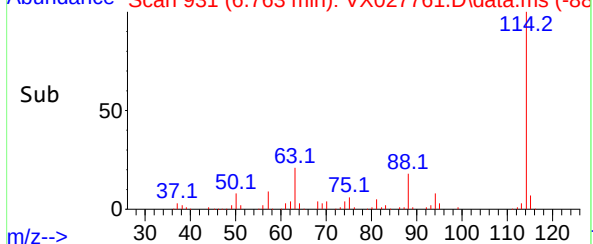
Abundance Scan 931 (6.763 min): VX027761.D\data.ms

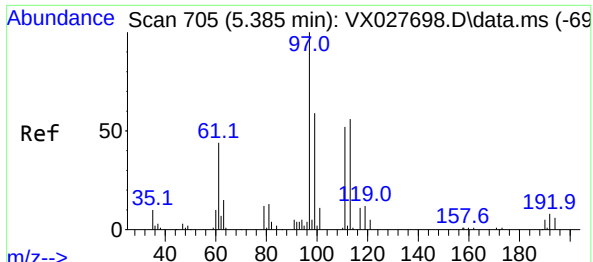


Abundance



Abundance Scan 931 (6.763 min): VX027761.D\data.ms (-88





#35

Dibromofluoromethane

Concen: 49.895 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX027761.D

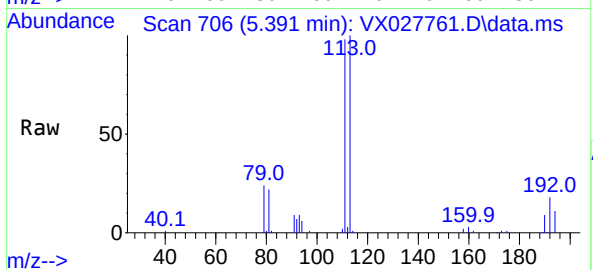
Acq: 28 Mar 2022 19:39

Instrument :

MSVOA_X

ClientSampleId :

RE120D2-20220316



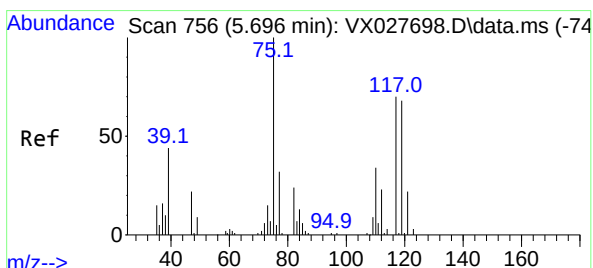
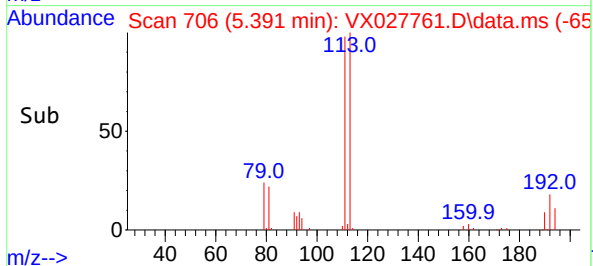
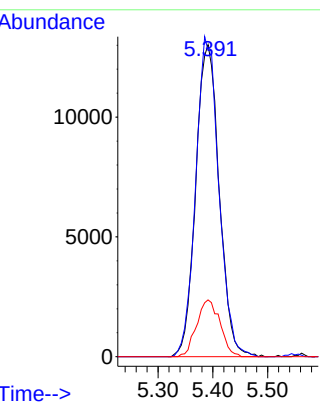
Tgt Ion:113 Resp: 38694

Ion Ratio Lower Upper

113 100

111 101.0 82.8 124.2

192 18.2 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.657 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX027761.D

Acq: 28 Mar 2022 19:39

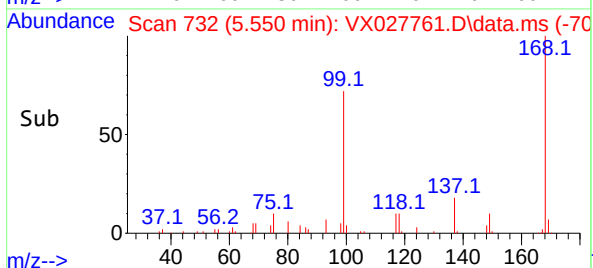
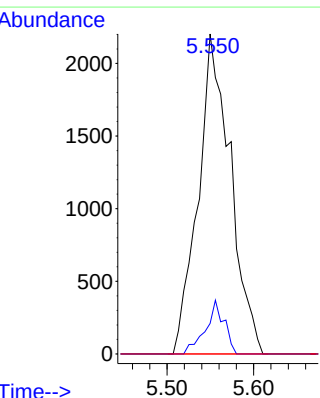
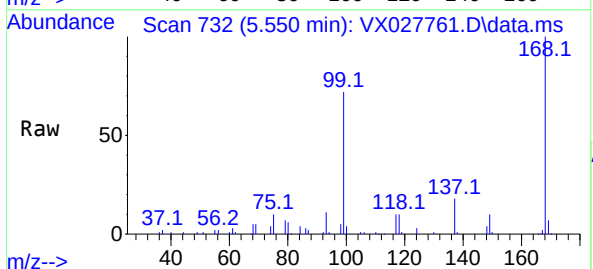
Tgt Ion: 75 Resp: 5704

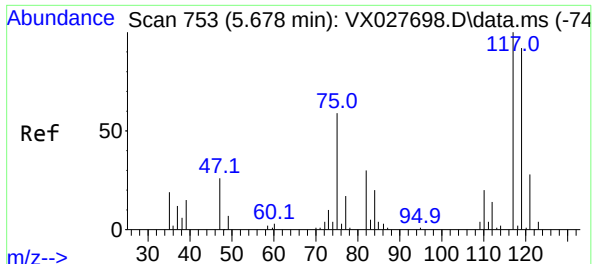
Ion Ratio Lower Upper

75 100

110 9.7 18.3 54.8#

77 0.0 24.8 37.2#

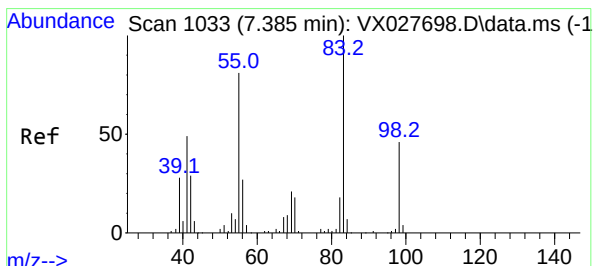
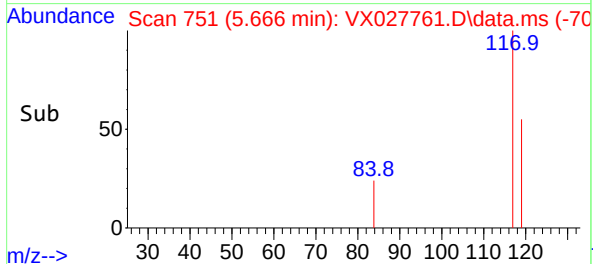
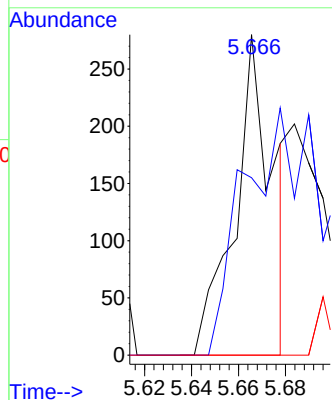
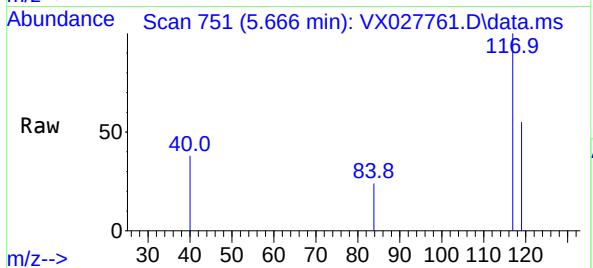




#38
Carbon Tetrachloride
Concen: 0.261 ug/l
RT: 5.666 min Scan# 71
Delta R.T. -0.012 min
Lab File: VX027761.D
Acq: 28 Mar 2022 19:39

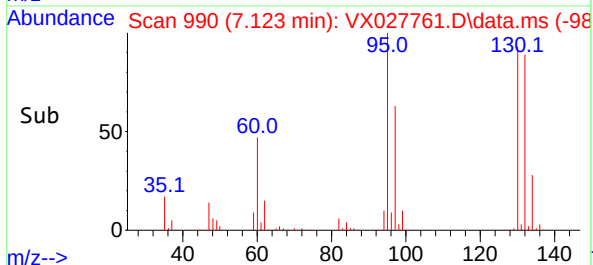
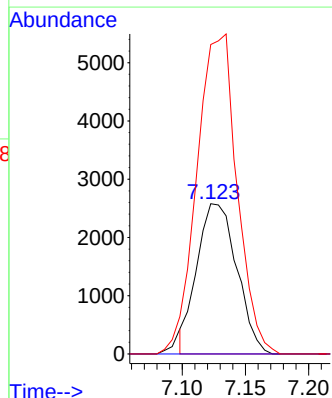
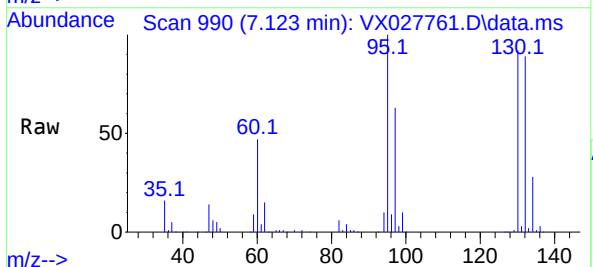
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20220316

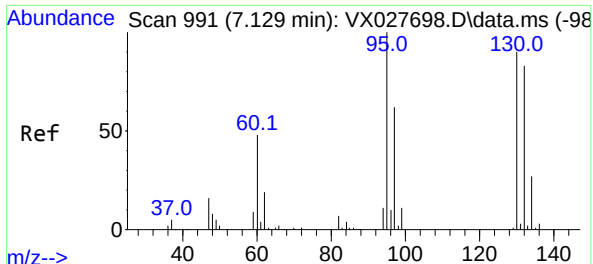
Tgt Ion:117 Resp: 313
Ion Ratio Lower Upper
117 100
119 55.4 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 3.998 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX027761.D
Acq: 28 Mar 2022 19:39

Tgt Ion: 83 Resp: 5633
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 205.9 37.4 56.2#

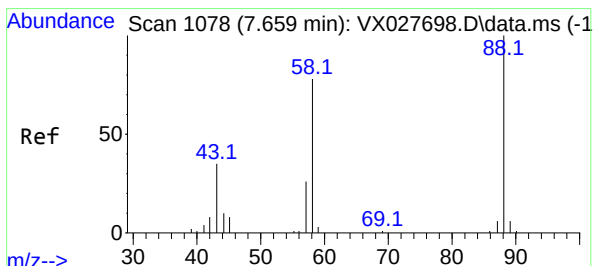
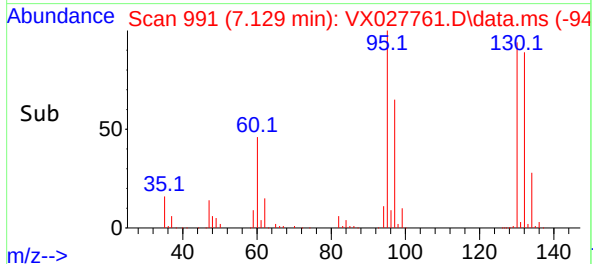
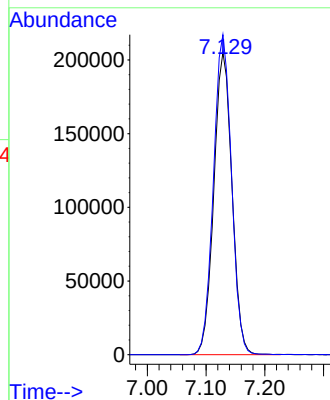
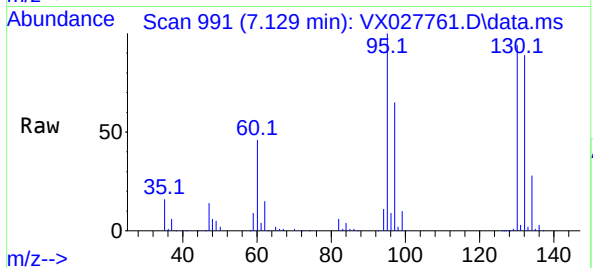




#44
Trichloroethene
Concen: 501.370 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX027761.D
Acq: 28 Mar 2022 19:39

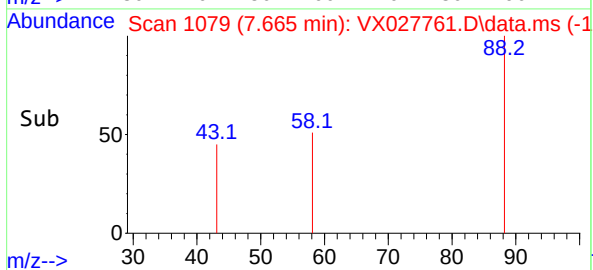
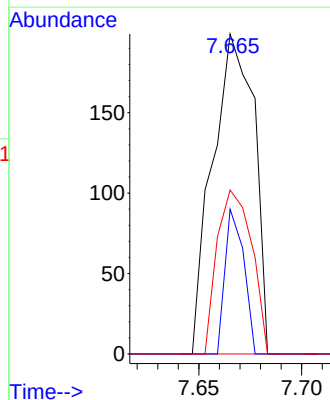
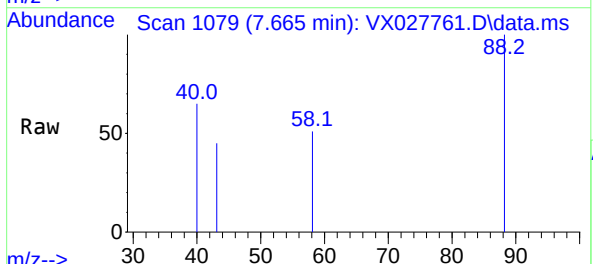
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20220316

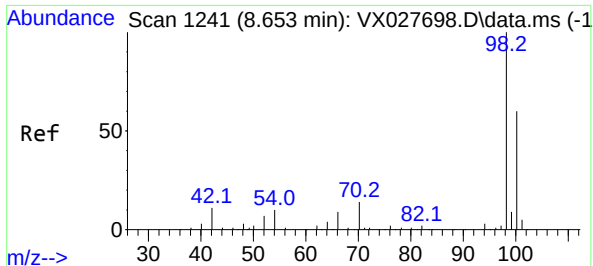
Tgt Ion:130 Resp: 438942
Ion Ratio Lower Upper
130 100
95 105.9 0.0 188.8



#49
1,4-Dioxane
Concen: 12.282 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX027761.D
Acq: 28 Mar 2022 19:39

Tgt Ion: 88 Resp: 279
Ion Ratio Lower Upper
88 100
43 20.4 21.9 32.9#
58 42.7 53.7 80.5#

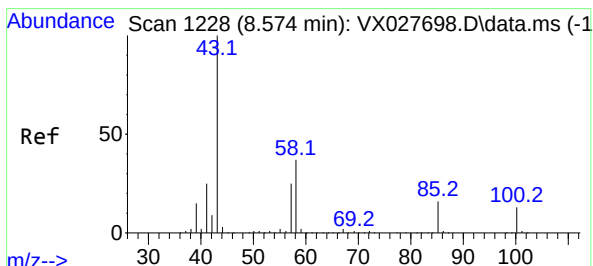
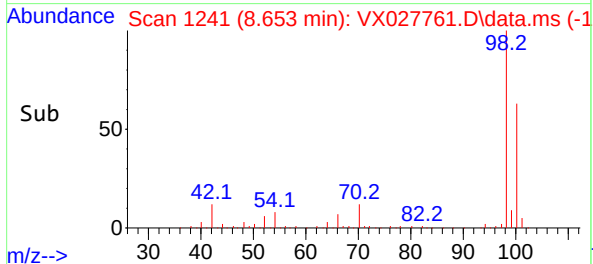
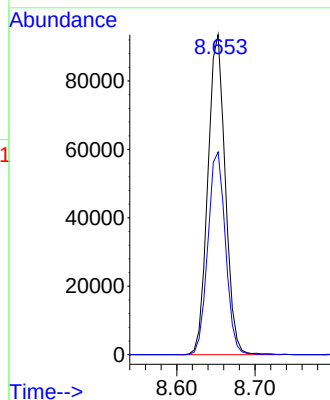
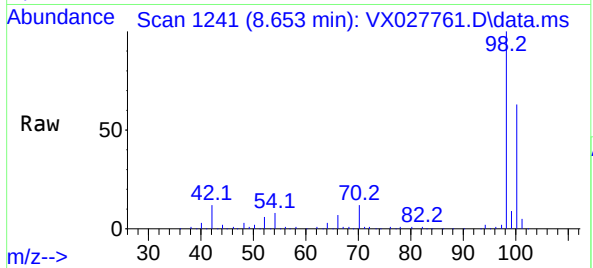




#50
Toluene-d8
Concen: 48.146 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027761.D
Acq: 28 Mar 2022 19:39

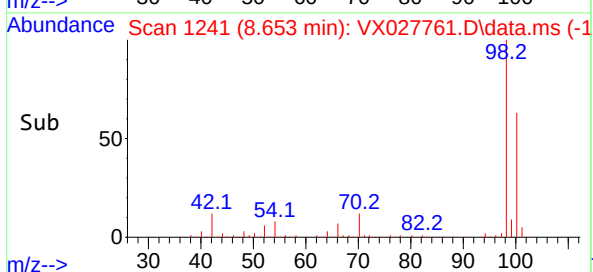
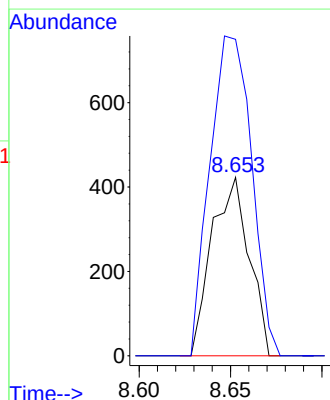
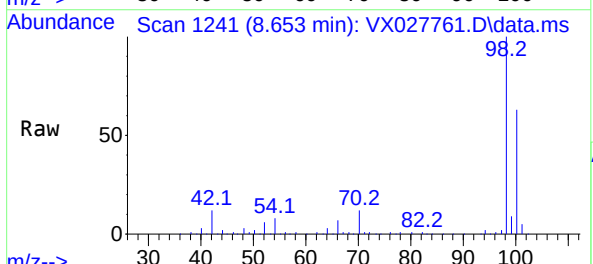
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20220316

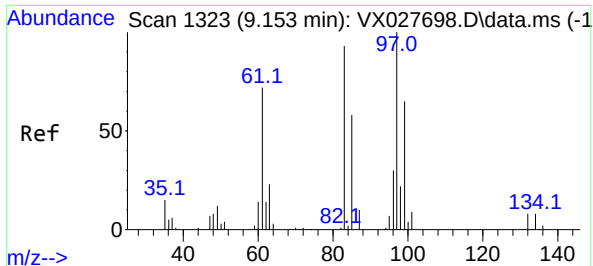
Tgt Ion: 98 Resp: 144336
Ion Ratio Lower Upper
98 100
100 64.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.407 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX027761.D
Acq: 28 Mar 2022 19:39

Tgt Ion: 43 Resp: 601
Ion Ratio Lower Upper
43 100
58 200.7 36.1 54.1#



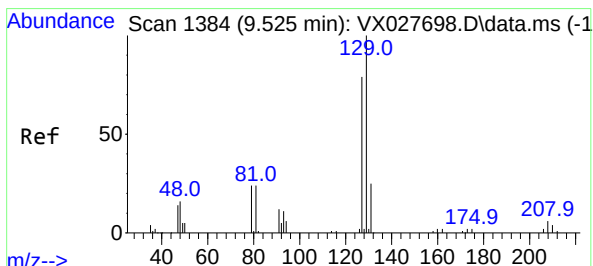
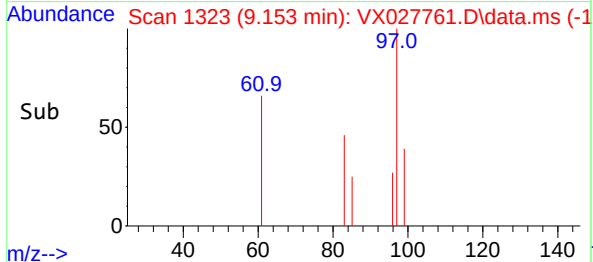
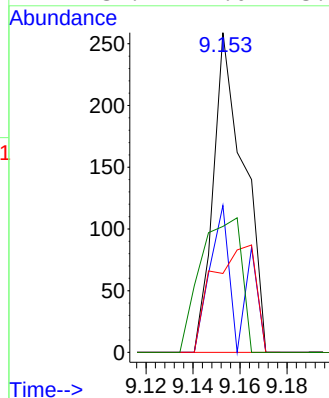
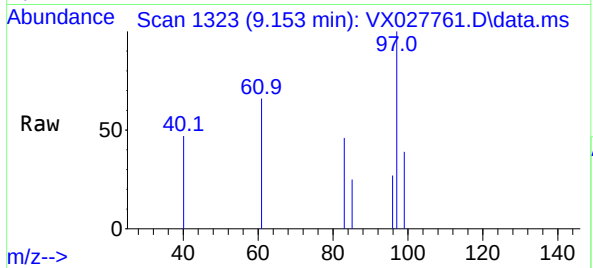


#55
1,1,2-Trichloroethane
Concen: 0.272 ug/l
RT: 9.153 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027761.D
Acq: 28 Mar 2022 19:39

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20220316

Tgt Ion: 97 Resp: 234

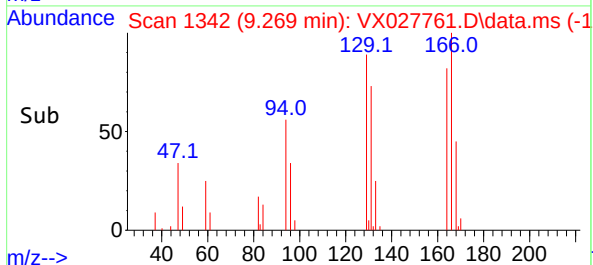
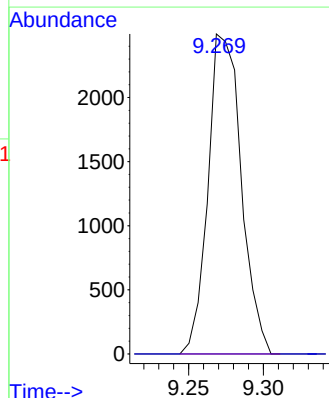
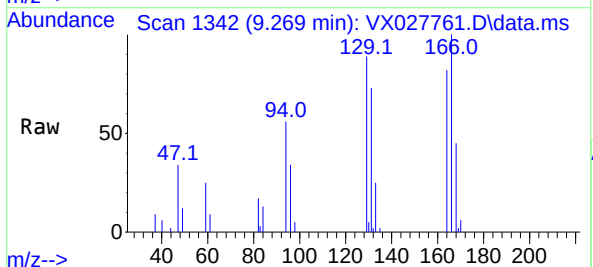
Ion	Ratio	Lower	Upper
97	100		
83	45.9	66.2	99.4#
85	24.7	42.9	64.3#
99	39.4	49.0	73.6#

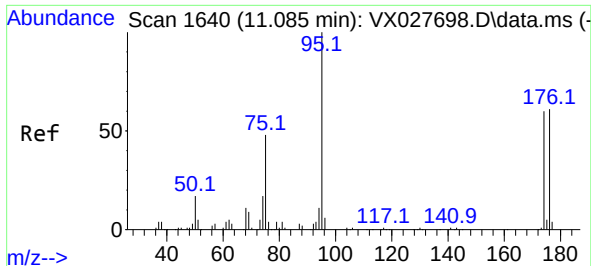


#60
Dibromochloromethane
Concen: 4.633 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.256 min
Lab File: VX027761.D
Acq: 28 Mar 2022 19:39

Tgt Ion: 129 Resp: 3852

Ion	Ratio	Lower	Upper
129	100		
127	0.0	40.3	120.8#

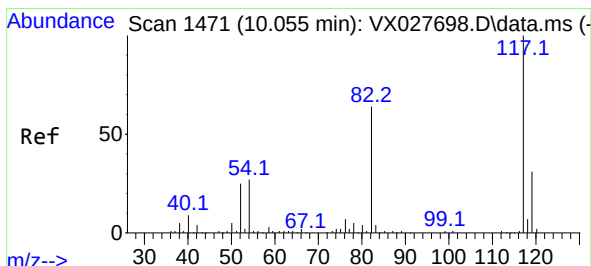
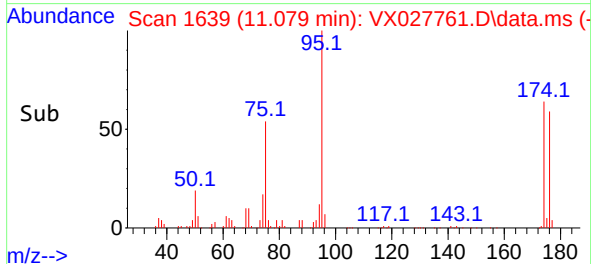
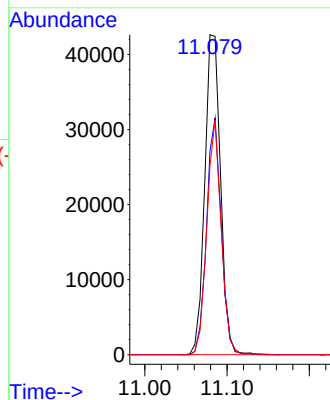
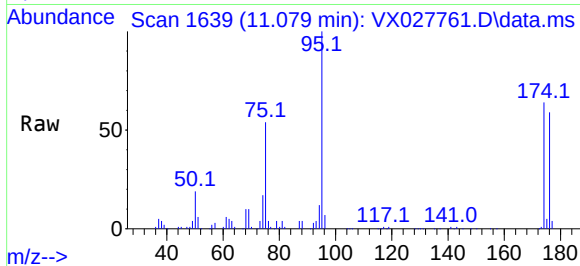




#62
4-Bromofluorobenzene
Concen: 46.701 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX027761.D
Acq: 28 Mar 2022 19:39

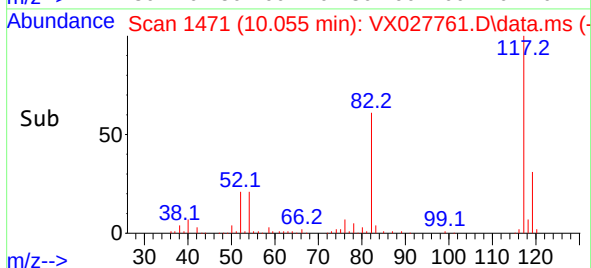
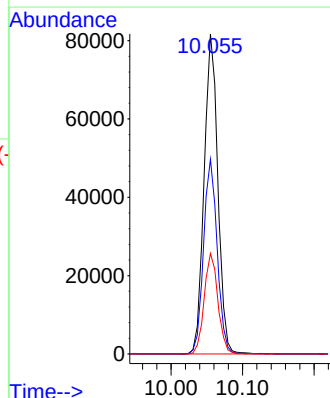
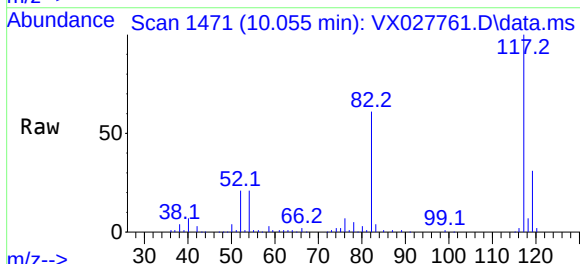
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20220316

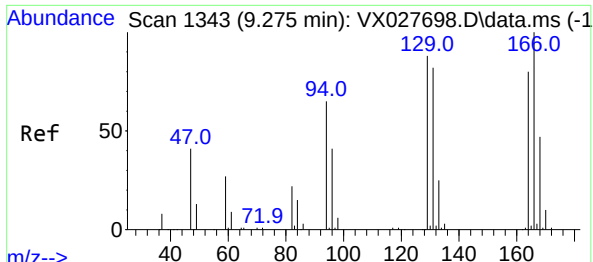
Tgt Ion: 95 Resp: 56809
Ion Ratio Lower Upper
95 100
174 68.9 0.0 163.0
176 66.6 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027761.D
Acq: 28 Mar 2022 19:39

Tgt Ion: 117 Resp: 109132
Ion Ratio Lower Upper
117 100
82 60.9 41.8 62.8
119 31.4 24.8 37.2



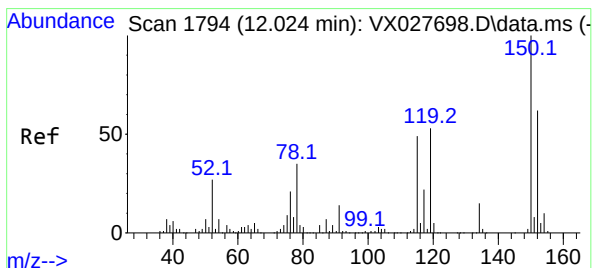
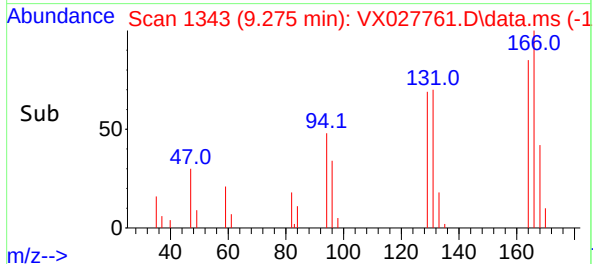
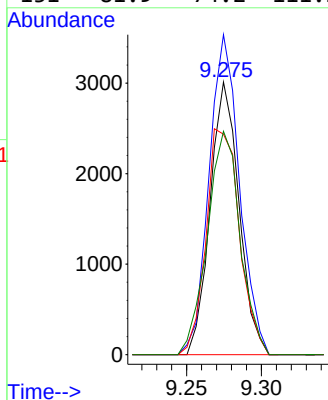
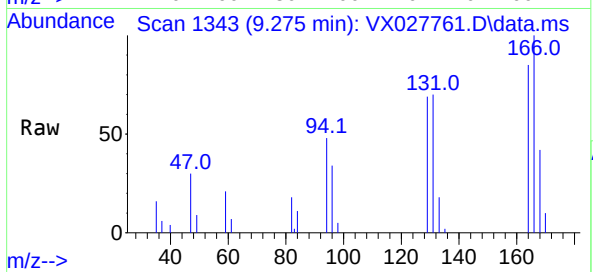


#64
Tetrachloroethene
Concen: 2.511 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027761.D
Acq: 28 Mar 2022 19:39

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20220316

Tgt Ion:164 Resp: 4042

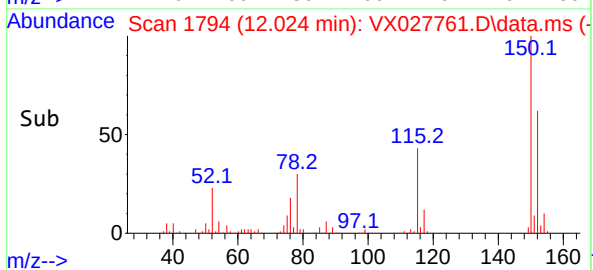
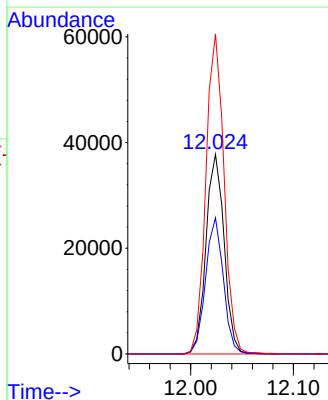
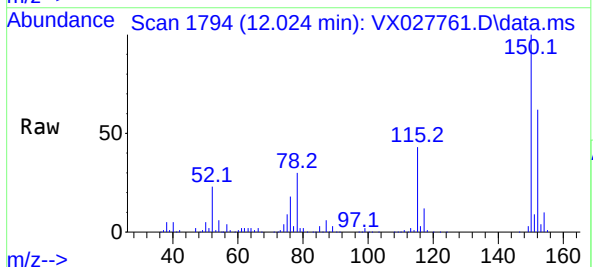
Ion	Ratio	Lower	Upper
164	100		
166	117.4	101.2	151.8
129	80.9	73.0	109.4
131	81.9	74.2	111.2

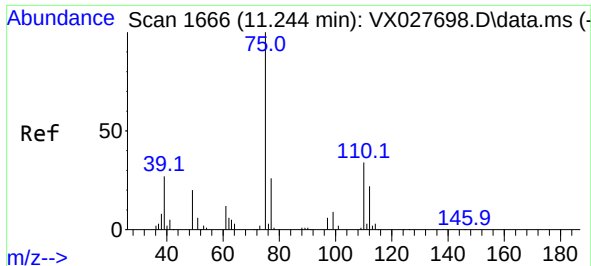


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027761.D
Acq: 28 Mar 2022 19:39

Tgt Ion:152 Resp: 46363

Ion	Ratio	Lower	Upper
152	100		
115	66.9	37.5	112.7
150	160.1	0.0	338.2

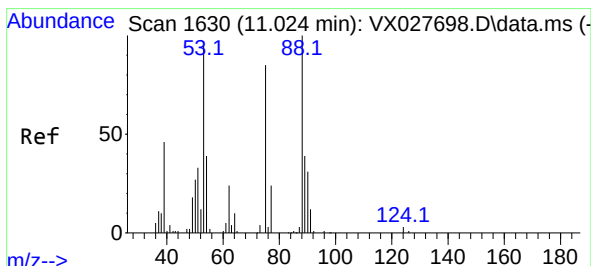
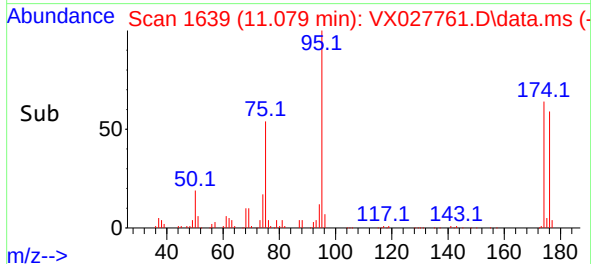
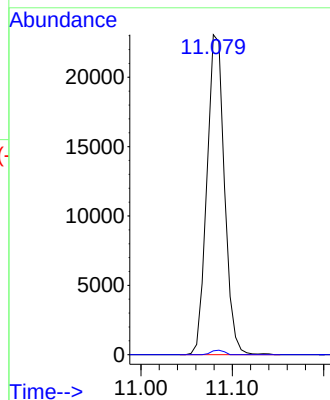
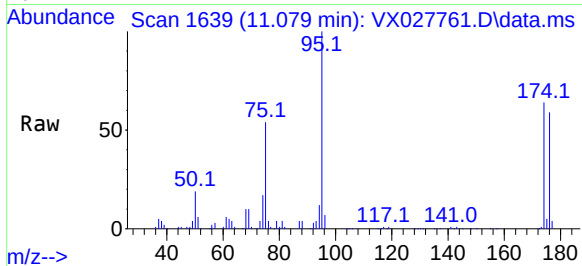




#76
1,2,3-Trichloropropane
Concen: 23.771 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027761.D
Acq: 28 Mar 2022 19:39

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20220316

Tgt Ion: 75 Resp: 30685
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.913 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX027761.D
Acq: 28 Mar 2022 19:39

Tgt Ion: 75 Resp: 30685
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

