

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033022\
 Data File : VX027809.D
 Acq On : 30 Mar 2022 14:40
 Operator : JC/MD
 Sample : N2041-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D1-20220317

Quant Time: Mar 31 05:48:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 04:39:27 2022
 Response via : Initial Calibration

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

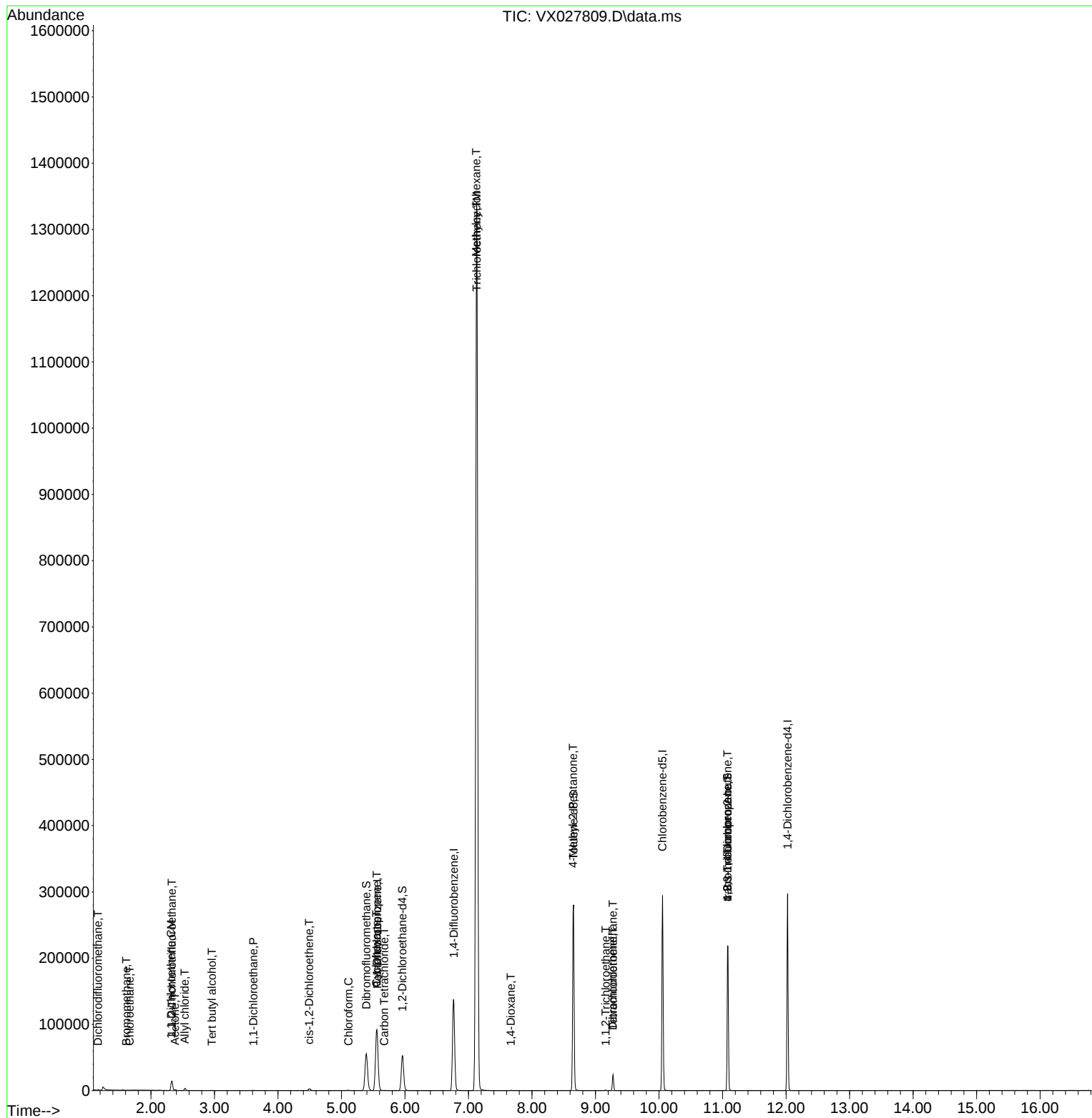
Internal Standards						
1) Pentafluorobenzene	5.562	168	81954	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	146334	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	132544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	56622	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	51946	49.125	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.240%
35) Dibromofluoromethane	5.391	113	48144	50.970	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.940%
50) Toluene-d8	8.653	98	168555	50.718	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.440%
62) 4-Bromofluorobenzene	11.079	95	63733	45.127	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.260%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	152	0.205	ug/l	# 42
5) Bromomethane	1.612	94	88	0.290	ug/l	# 1
6) Chloroethane	1.666	64	91	0.201	ug/l	# 43
9) 1,1,2-Trichlorotrifluo...	2.331	101	4547	5.925	ug/l	98
11) Tert butyl alcohol	2.959	59	59	0.290	ug/l	# 72
12) 1,1-Dichloroethene	2.319	96	1520	2.159	ug/l	90
14) Allyl chloride	2.532	41	372	0.288	ug/l	# 57
16) Acetone	2.380	43	1168	2.496	ug/l	# 74
24) 1,1-Dichloroethane	3.611	63	581	0.399	ug/l	# 81
27) cis-1,2-Dichloroethene	4.489	96	1796	1.949	ug/l	89
30) Chloroform	5.111	83	604	0.373	ug/l	# 79
31) Cyclohexane	5.550	56	1951	1.669	ug/l	# 32
36) 1,1-Dichloropropene	5.556	75	6981	5.868	ug/l	# 49
38) Carbon Tetrachloride	5.672	117	305	0.232	ug/l	# 59
39) Methylcyclohexane	7.123	83	5624	4.017	ug/l	# 1
44) Trichloroethene	7.129	130	520833	531.590	ug/l	97
49) 1,4-Dioxane	7.665	88	468	19.137	ug/l	# 73
51) 4-Methyl-2-Pentanone	8.647	43	638	0.389	ug/l	# 1
55) 1,1,2-Trichloroethane	9.159	97	279	0.277	ug/l	# 72
60) Dibromochloromethane	9.275	129	4406	4.219	ug/l	# 9
64) Tetrachloroethene	9.275	164	4057	4.514	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	32002	24.093	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	32002	70.867	ug/l	# 15

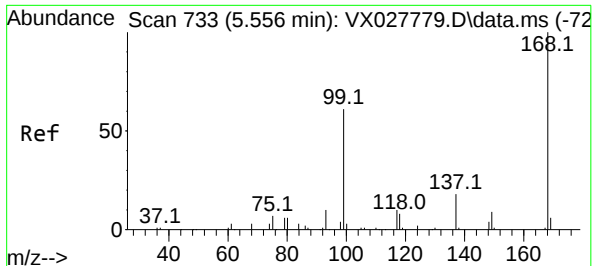
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

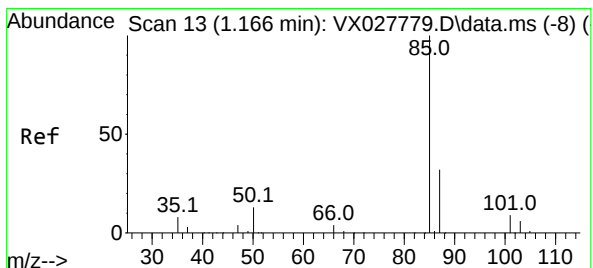
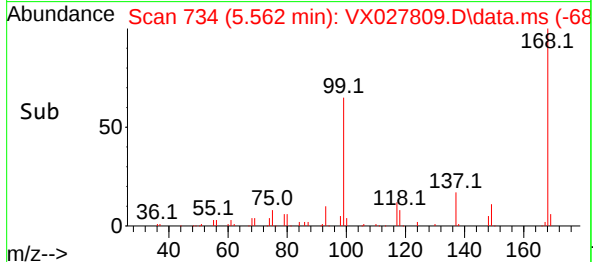
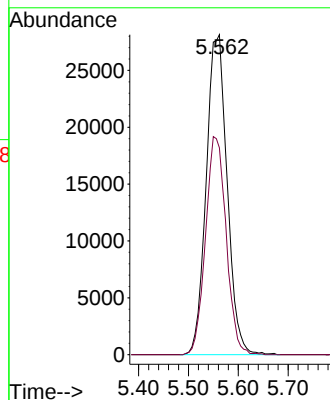
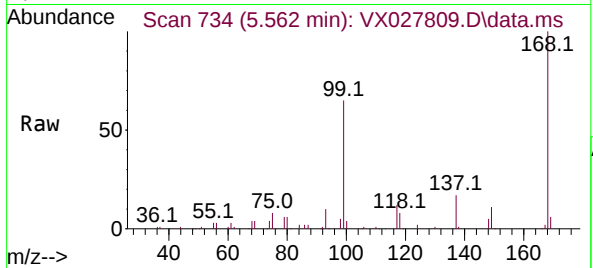




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX027809.D
Acq: 30 Mar 2022 14:40

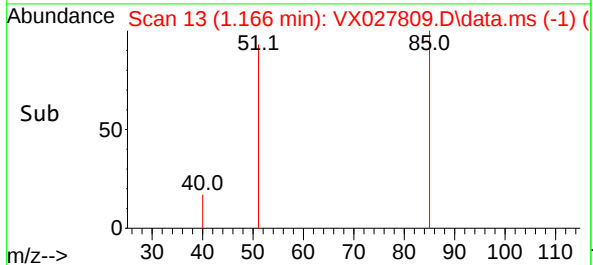
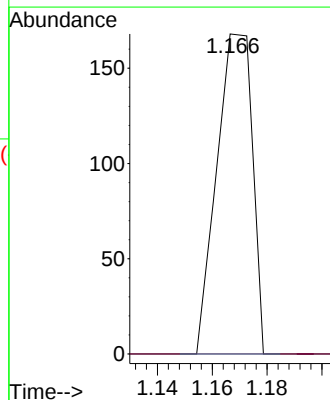
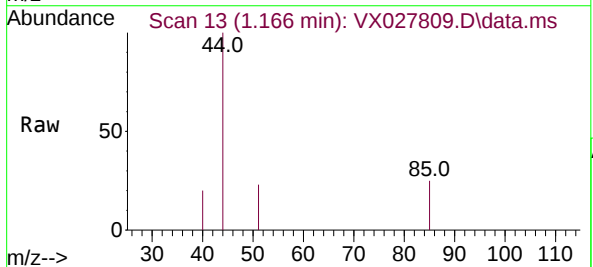
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20220317

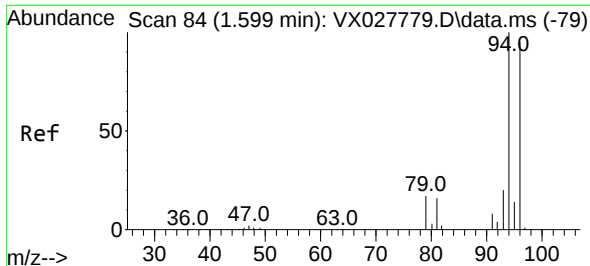
Tgt Ion:168 Resp: 81954
Ion Ratio Lower Upper
168 100
99 64.7 41.7 62.5#



#2
Dichlorodifluoromethane
Concen: 0.205 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX027809.D
Acq: 30 Mar 2022 14:40

Tgt Ion: 85 Resp: 152
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.6#

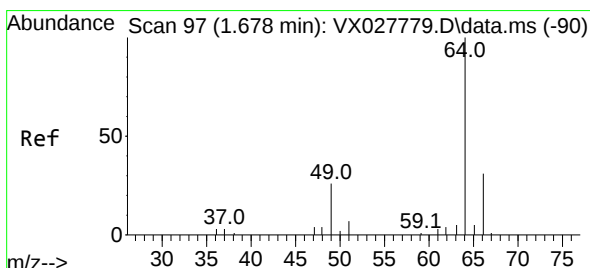
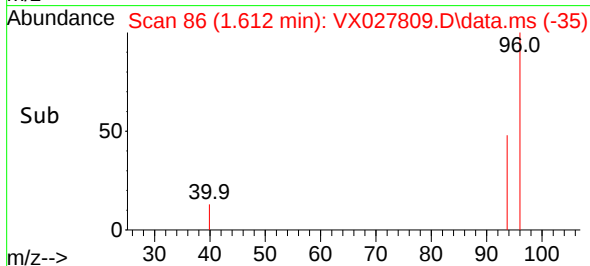
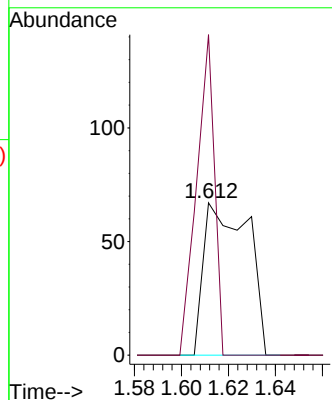
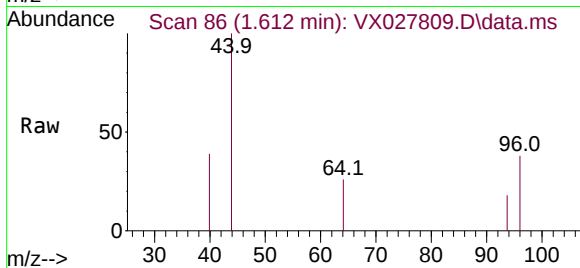




#5
Bromomethane
Concen: 0.290 ug/l
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX027809.D
Acq: 30 Mar 2022 14:40

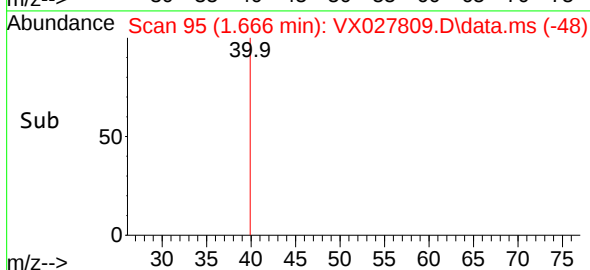
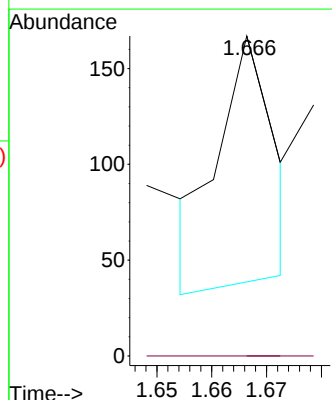
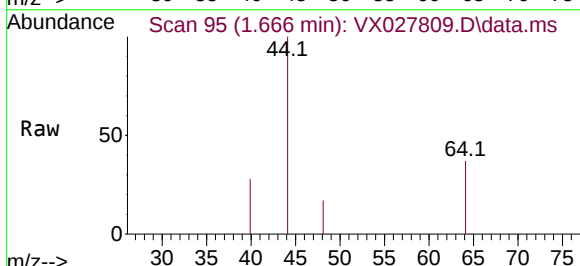
Instrument :
MSVOA_X
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RE103D1-20220317

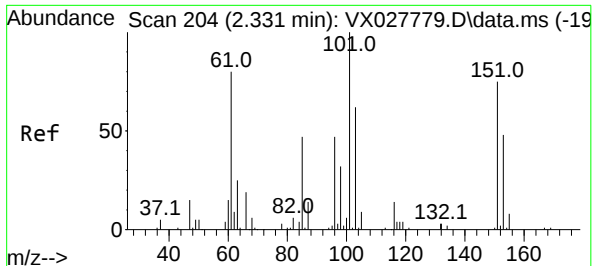
Tgt Ion: 94 Resp: 88
Ion Ratio Lower Upper
94 100
96 210.4 75.3 112.9#



#6
Chloroethane
Concen: 0.201 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.012 min
Lab File: VX027809.D
Acq: 30 Mar 2022 14:40

Tgt Ion: 64 Resp: 91
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

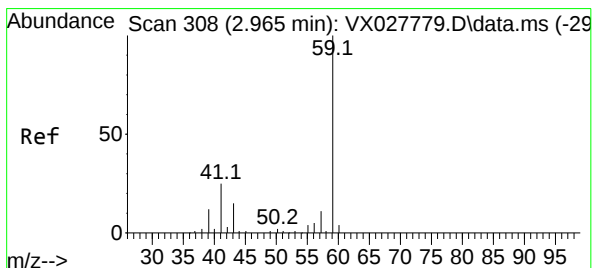
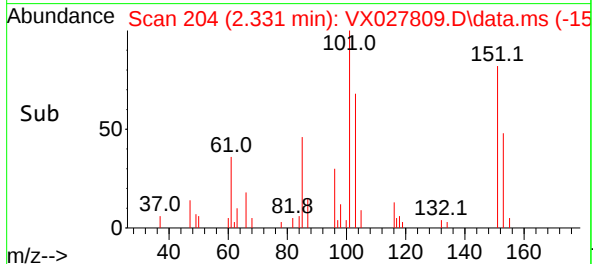
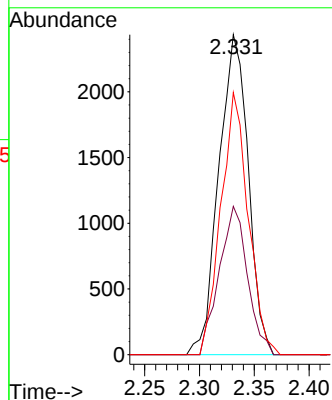
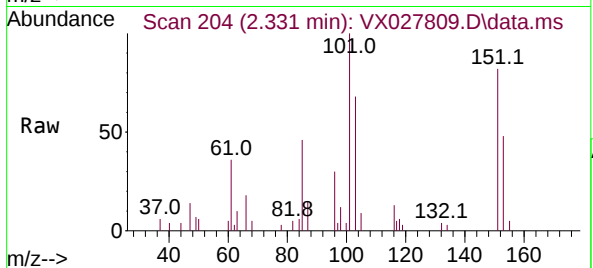




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.925 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX027809.D
Acq: 30 Mar 2022 14:40

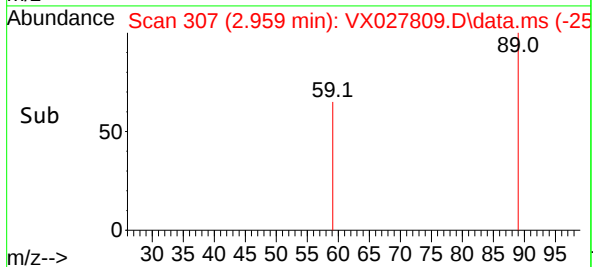
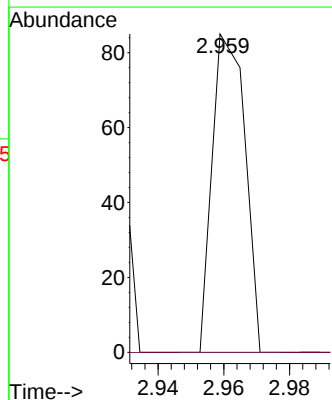
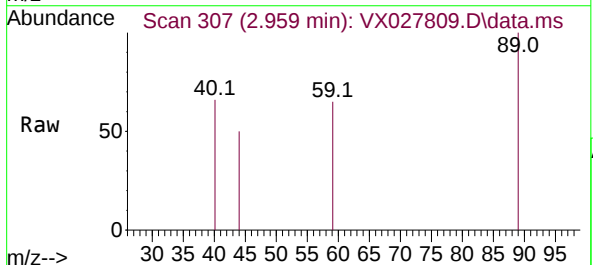
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20220317

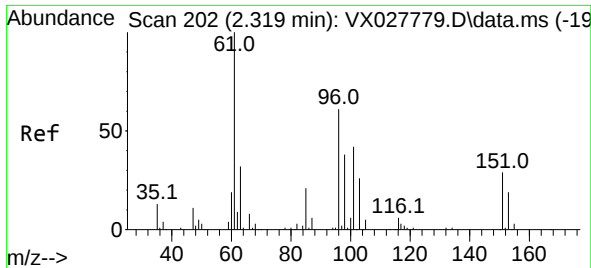
Tgt Ion:101 Resp: 4547
Ion Ratio Lower Upper
101 100
85 44.5 33.5 50.3
151 76.2 61.8 92.6



#11
Tert butyl alcohol
Concen: 0.290 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX027809.D
Acq: 30 Mar 2022 14:40

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





#12

1,1-Dichloroethene

Concen: 2.159 ug/l

RT: 2.319 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX027809.D

Acq: 30 Mar 2022 14:40

Instrument :

MSVOA_X

ClientSampleId :

RE103D1-20220317

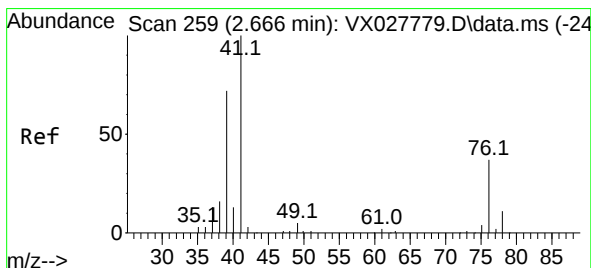
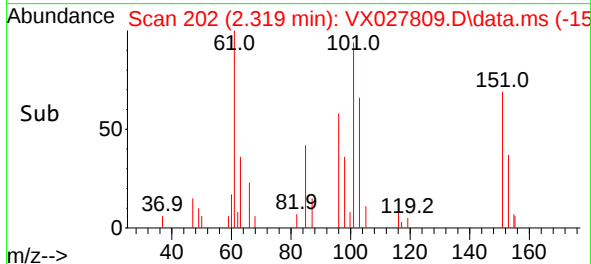
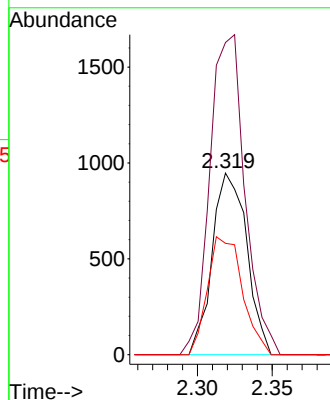
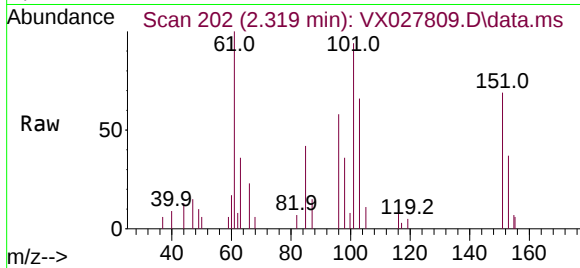
Tgt Ion: 96 Resp: 1520

Ion Ratio Lower Upper

96 100

61 171.9 124.6 187.0

98 61.4 51.0 76.4



#14

Allyl chloride

Concen: 0.288 ug/l

RT: 2.532 min Scan# 237

Delta R.T. -0.134 min

Lab File: VX027809.D

Acq: 30 Mar 2022 14:40

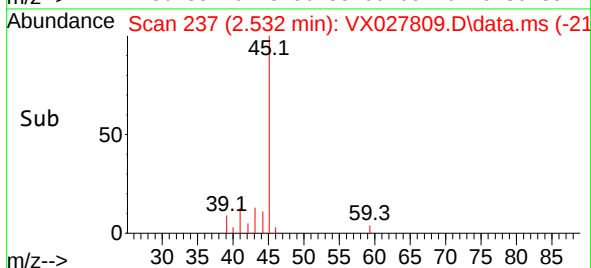
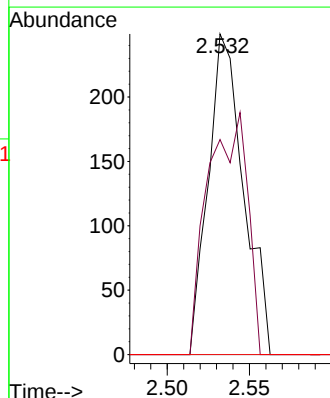
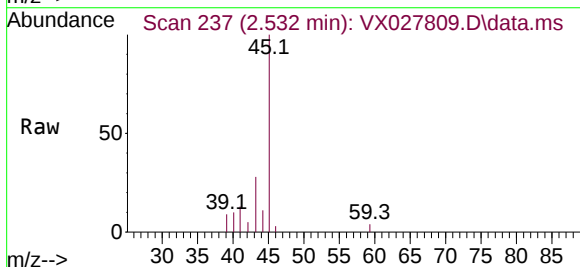
Tgt Ion: 41 Resp: 372

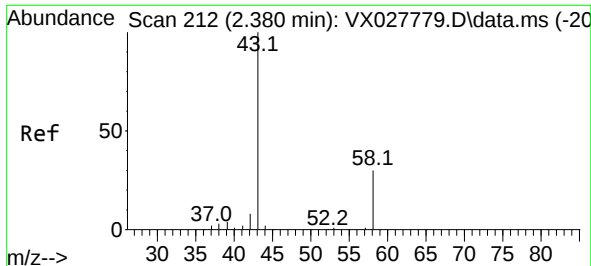
Ion Ratio Lower Upper

41 100

39 84.7 50.4 75.6#

76 0.0 32.7 49.1#





#16

Acetone

Concen: 2.496 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX027809.D

Acq: 30 Mar 2022 14:40

Instrument :

MSVOA_X

ClientSampleId :

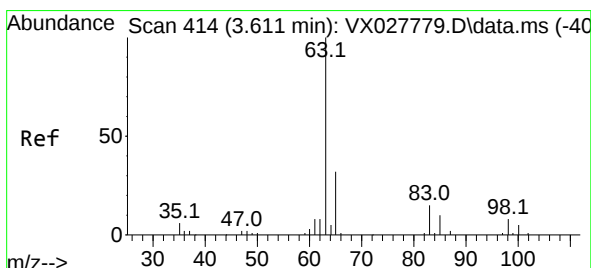
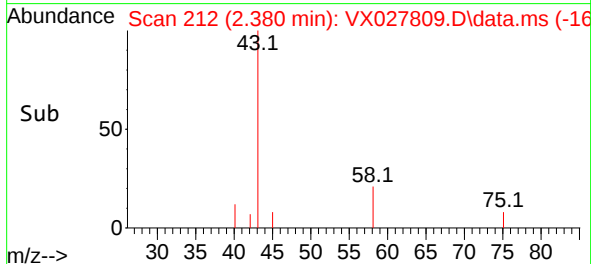
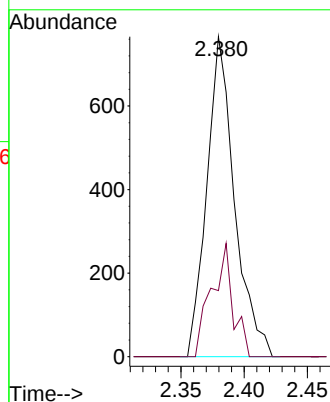
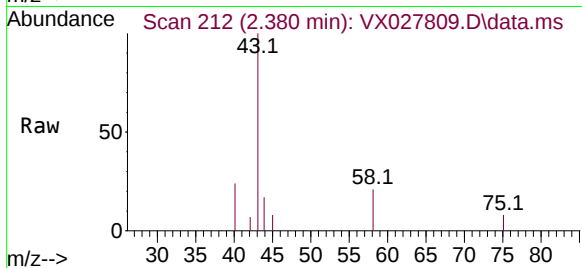
RE103D1-20220317

Tgt Ion: 43 Resp: 1168

Ion Ratio Lower Upper

43 100

58 20.6 28.8 43.2#



#24

1,1-Dichloroethane

Concen: 0.399 ug/l

RT: 3.611 min Scan# 414

Delta R.T. 0.000 min

Lab File: VX027809.D

Acq: 30 Mar 2022 14:40

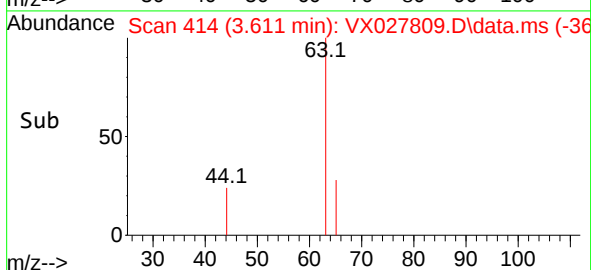
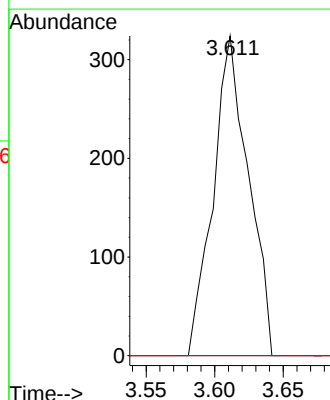
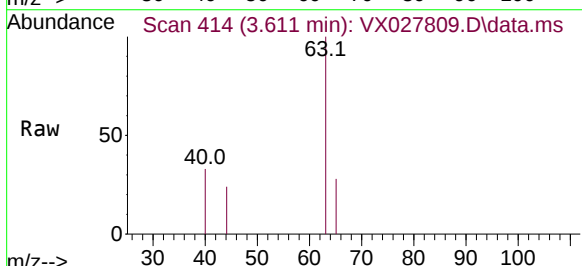
Tgt Ion: 63 Resp: 581

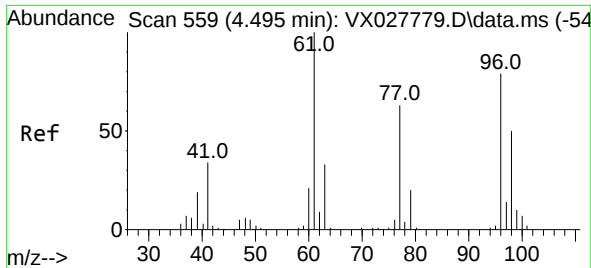
Ion Ratio Lower Upper

63 100

98 0.0 3.9 11.7#

100 0.0 2.4 7.2#





#27

cis-1,2-Dichloroethene

Concen: 1.949 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX027809.D

Acq: 30 Mar 2022 14:40

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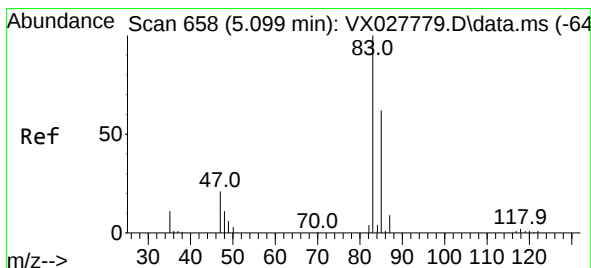
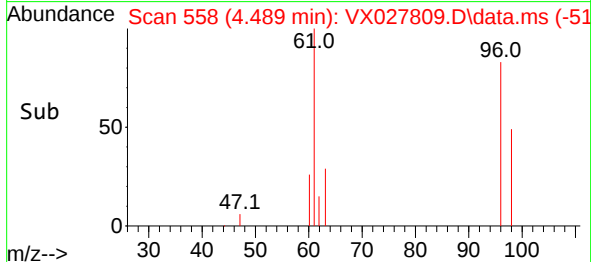
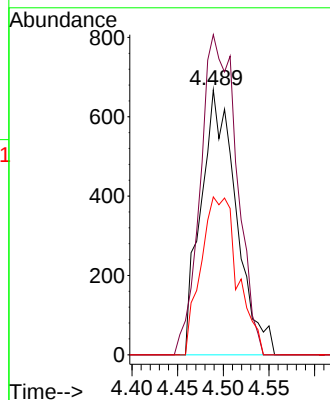
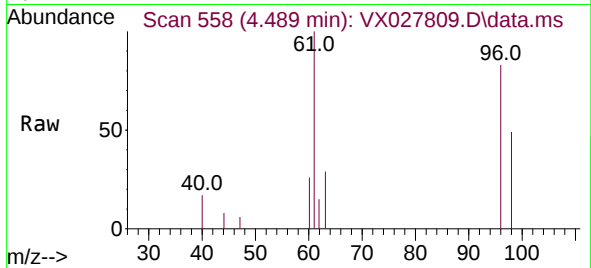
Tgt Ion: 96 Resp: 1796

Ion Ratio Lower Upper

96 100

61 124.3 0.0 283.8

98 61.7 0.0 129.8



#30

Chloroform

Concen: 0.373 ug/l

RT: 5.111 min Scan# 660

Delta R.T. 0.012 min

Lab File: VX027809.D

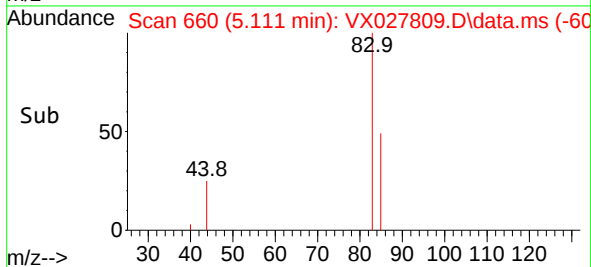
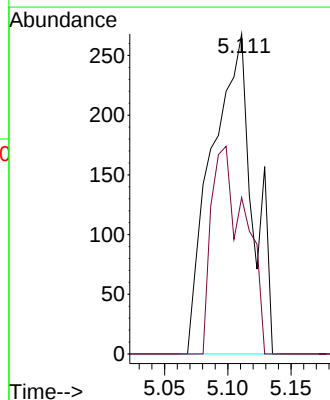
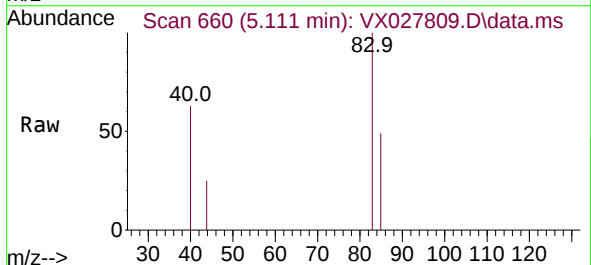
Acq: 30 Mar 2022 14:40

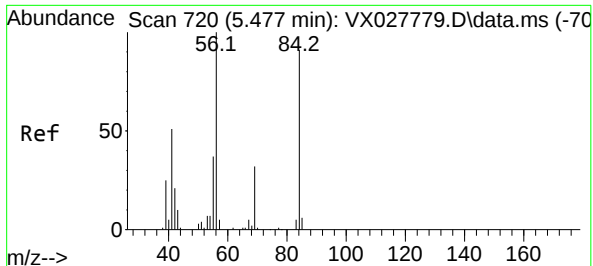
Tgt Ion: 83 Resp: 604

Ion Ratio Lower Upper

83 100

85 48.9 52.7 79.1#

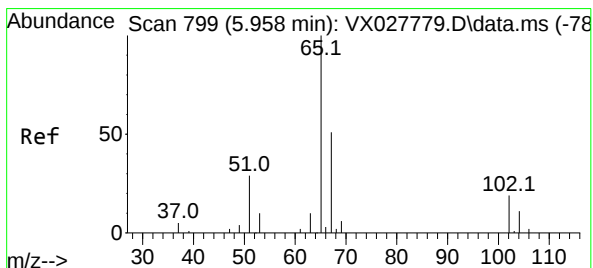
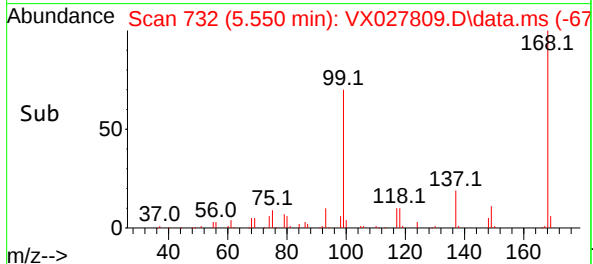
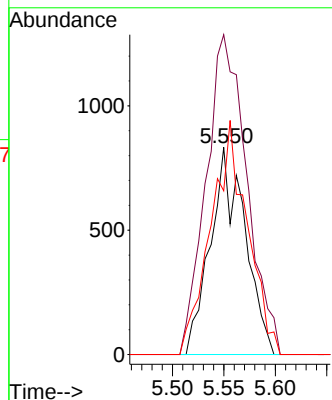
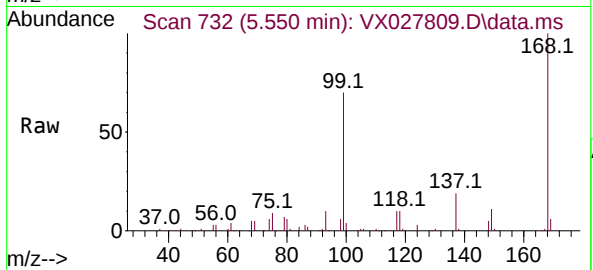




#31
Cyclohexane
Concen: 1.669 ug/l
RT: 5.550 min Scan# 713
Delta R.T. 0.073 min
Lab File: VX027809.D
Acq: 30 Mar 2022 14:40

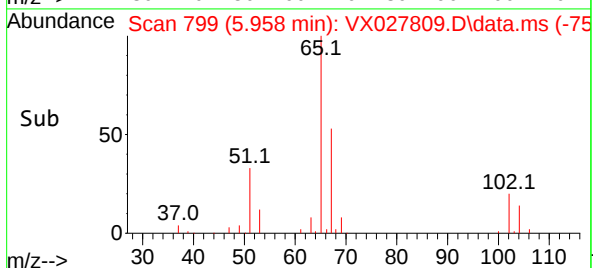
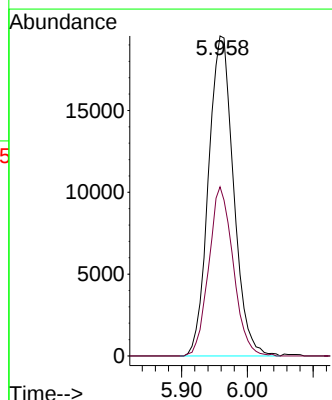
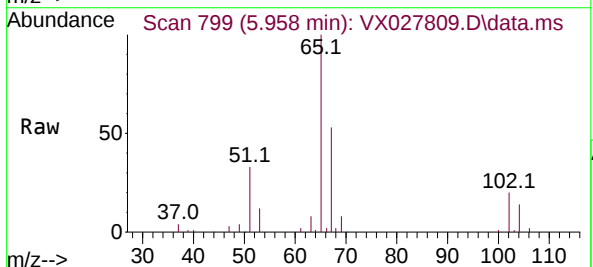
Instrument :
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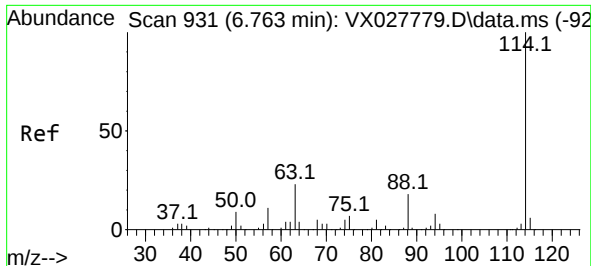
Tgt Ion: 56 Resp: 1951
Ion Ratio Lower Upper
56 100
69 154.4 26.7 40.1#
84 79.0 77.2 115.8



#33
1,2-Dichloroethane-d4
Concen: 49.125 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027809.D
Acq: 30 Mar 2022 14:40

Tgt Ion: 65 Resp: 51946
Ion Ratio Lower Upper
65 100
67 51.4 0.0 107.4

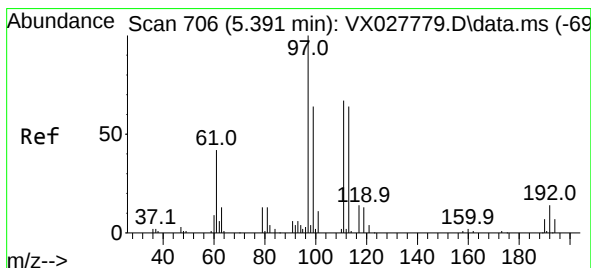
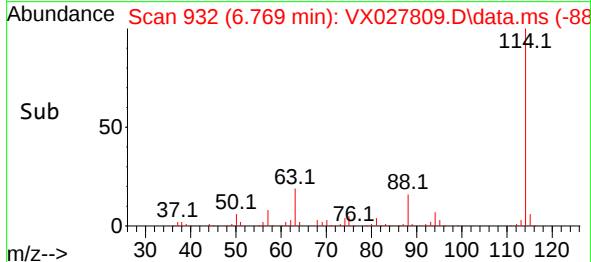
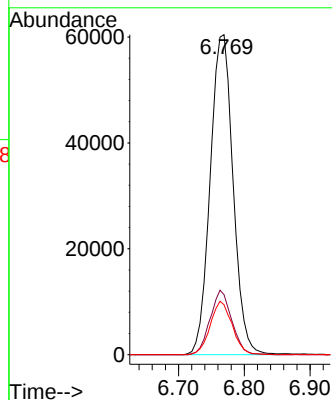
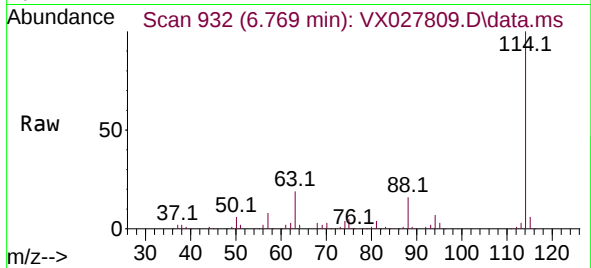




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX027809.D
Acq: 30 Mar 2022 14:40

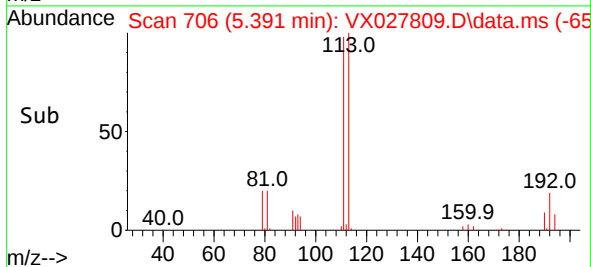
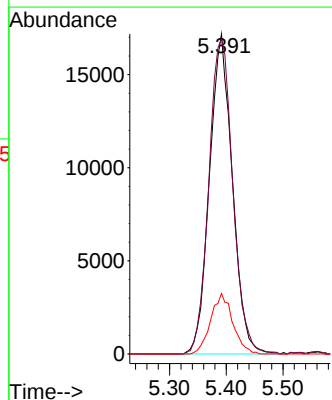
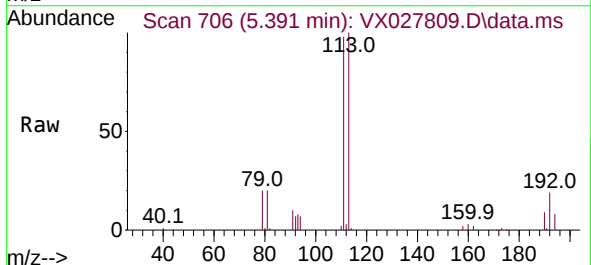
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20220317

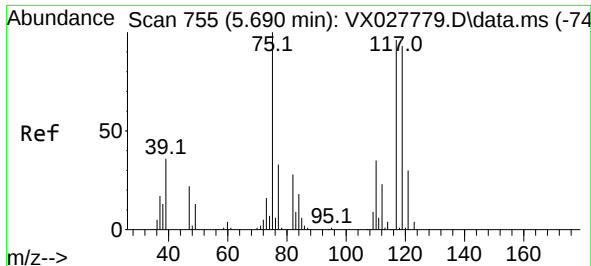
Tgt Ion:114 Resp: 146334
Ion Ratio Lower Upper
114 100
63 18.7 0.0 36.8
88 15.6 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.970 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027809.D
Acq: 30 Mar 2022 14:40

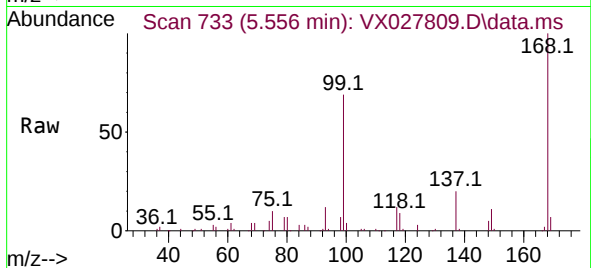
Tgt Ion:113 Resp: 48144
Ion Ratio Lower Upper
113 100
111 103.2 82.8 124.2
192 18.2 16.9 25.3



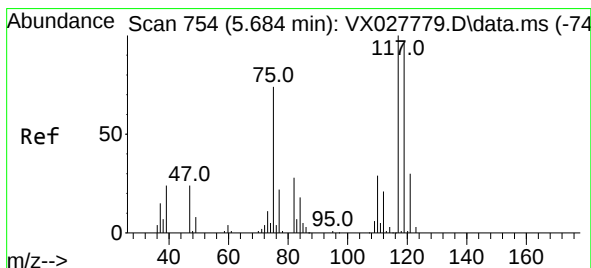
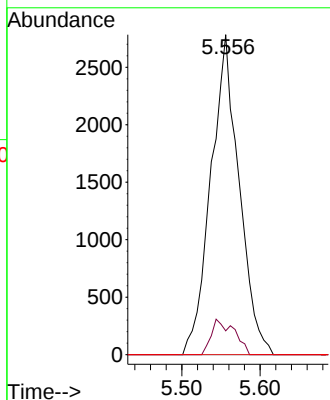
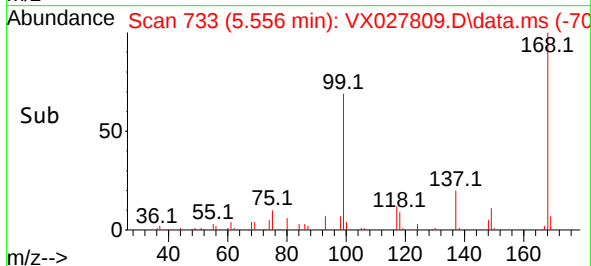


#36
1,1-Dichloropropene
Concen: 5.868 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX027809.D
Acq: 30 Mar 2022 14:40

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20220317

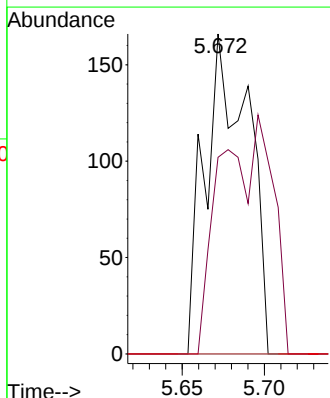
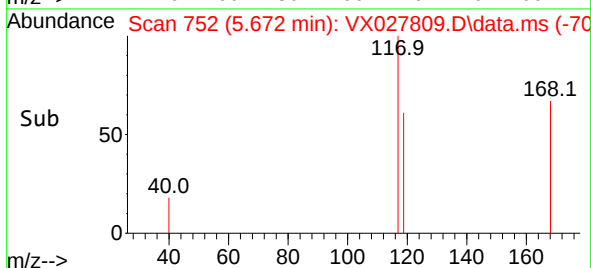
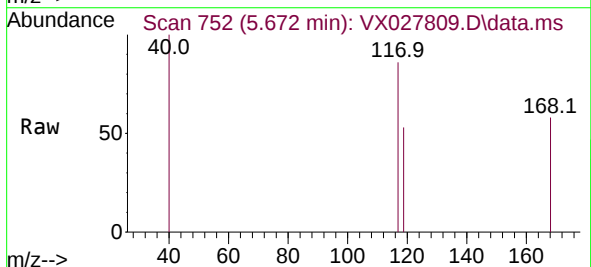


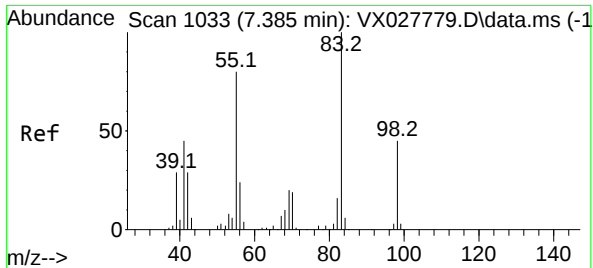
Tgt Ion: 75 Resp: 6981
Ion Ratio Lower Upper
75 100
110 8.9 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 0.232 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX027809.D
Acq: 30 Mar 2022 14:40

Tgt Ion: 117 Resp: 305
Ion Ratio Lower Upper
117 100
119 61.4 77.3 115.9#
121 0.0 24.2 36.2#

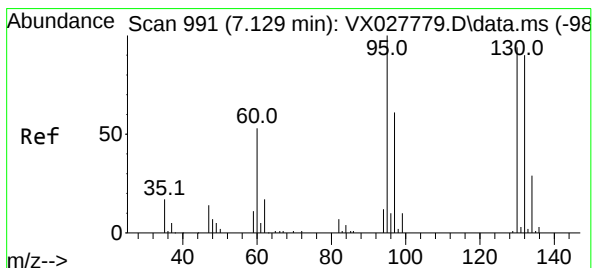
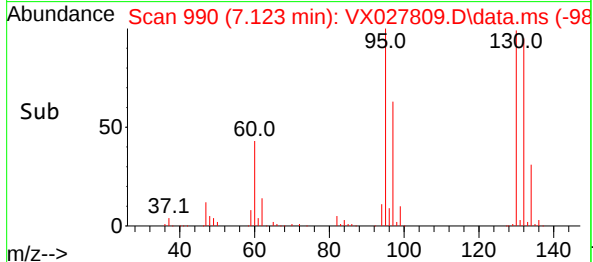
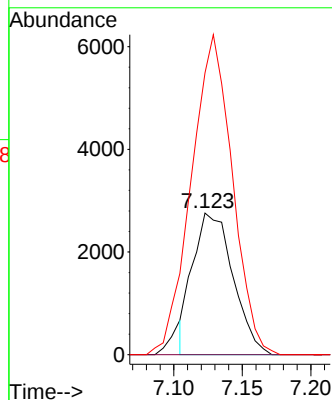
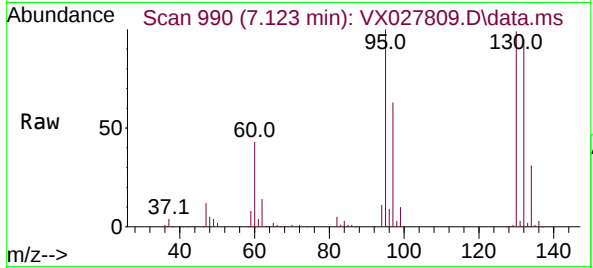




#39
Methylcyclohexane
Concen: 4.017 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX027809.D
Acq: 30 Mar 2022 14:40

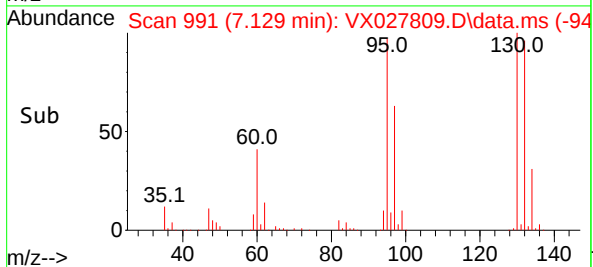
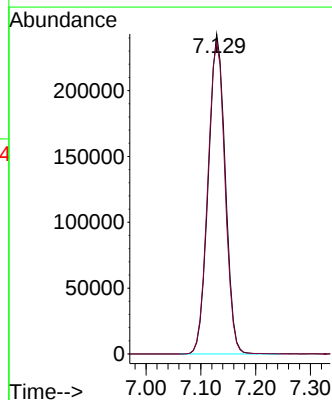
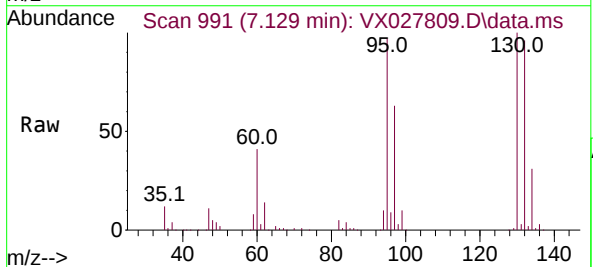
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20220317

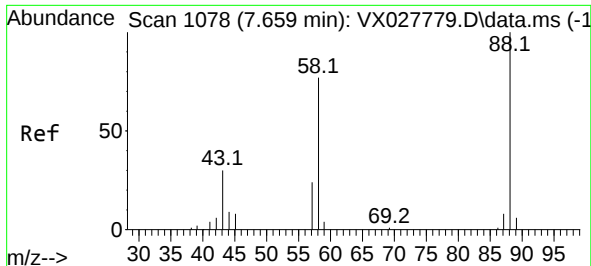
Tgt Ion: 83 Resp: 5624
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 198.9 37.4 56.2#



#44
Trichloroethene
Concen: 531.590 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX027809.D
Acq: 30 Mar 2022 14:40

Tgt Ion:130 Resp: 520833
Ion Ratio Lower Upper
130 100
95 97.4 0.0 188.8





#49

1,4-Dioxane

Concen: 19.137 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX027809.D

Acq: 30 Mar 2022 14:40

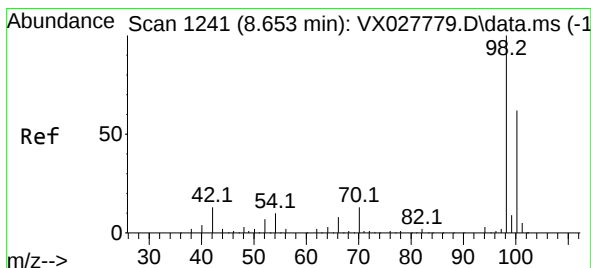
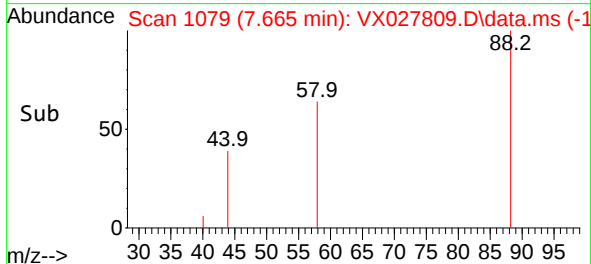
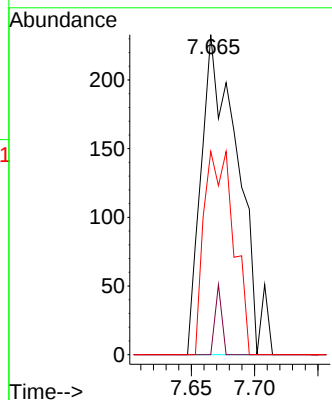
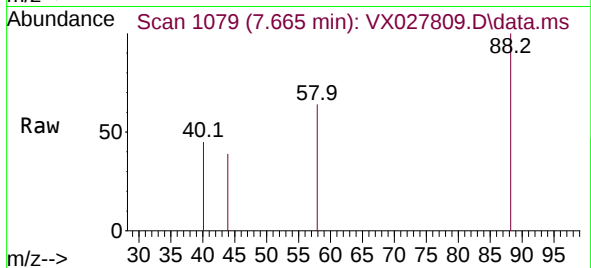
Instrument :

MSVOA_X

ClientSampleId :

RE103D1-20220317

Tgt Ion: 88	Resp: 468
Ion Ratio	Lower Upper
88 100	
43 4.1	21.9 32.9#
58 51.7	53.7 80.5#



#50

Toluene-d8

Concen: 50.718 ug/l

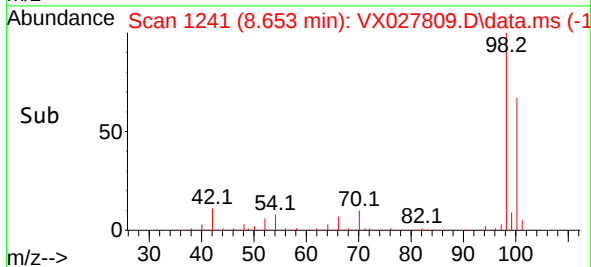
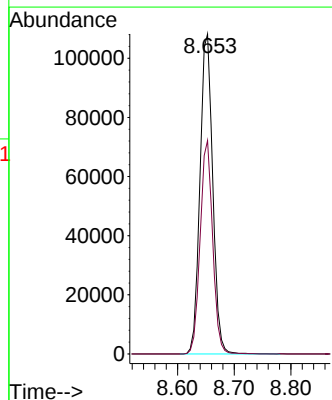
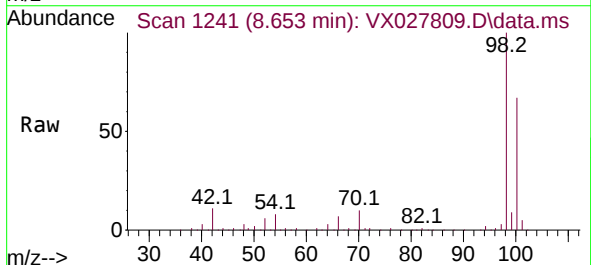
RT: 8.653 min Scan# 1241

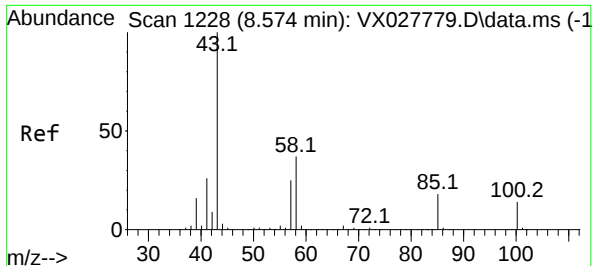
Delta R.T. -0.000 min

Lab File: VX027809.D

Acq: 30 Mar 2022 14:40

Tgt Ion: 98	Resp: 168555
Ion Ratio	Lower Upper
98 100	
100 65.5	52.6 78.8

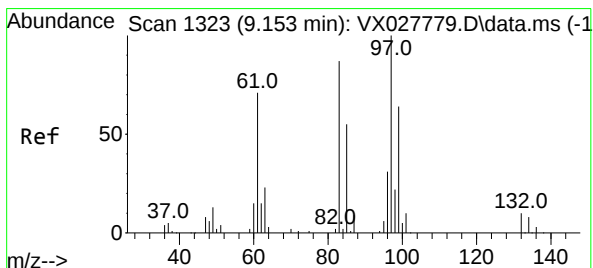
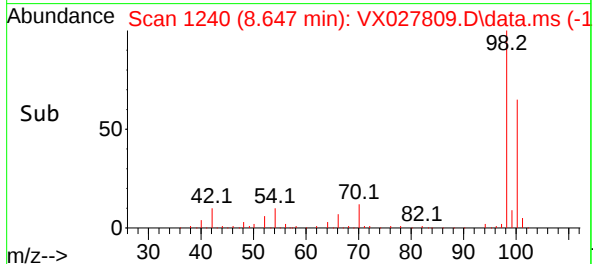
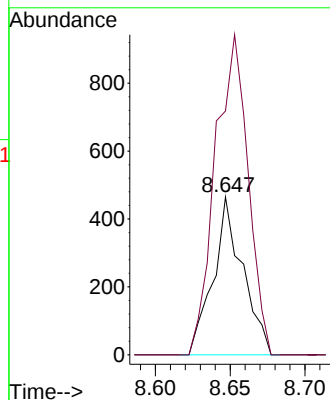
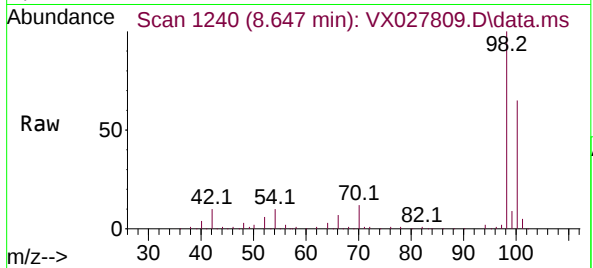




#51
4-Methyl-2-Pentanone
Concen: 0.389 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX027809.D
Acq: 30 Mar 2022 14:40

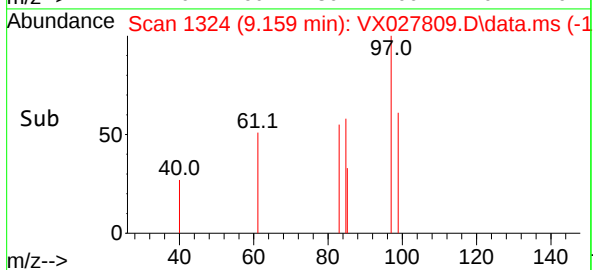
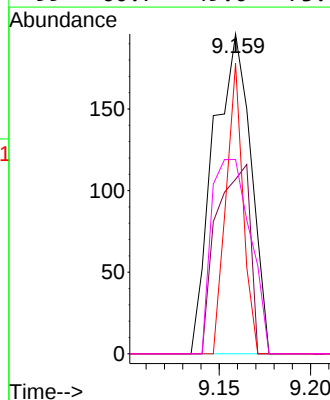
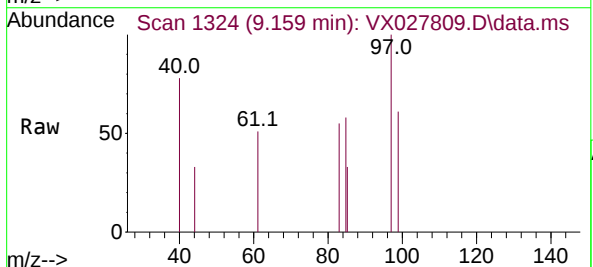
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20220317

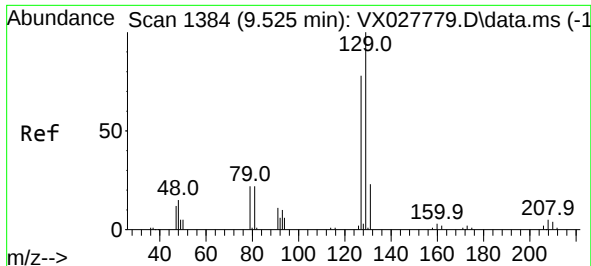
Tgt Ion: 43 Resp: 638
Ion Ratio Lower Upper
43 100
58 225.2 36.1 54.1#



#55
1,1,2-Trichloroethane
Concen: 0.277 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX027809.D
Acq: 30 Mar 2022 14:40

Tgt Ion: 97 Resp: 279
Ion Ratio Lower Upper
97 100
83 54.6 66.2 99.4#
85 90.8 42.9 64.3#
99 60.7 49.0 73.6

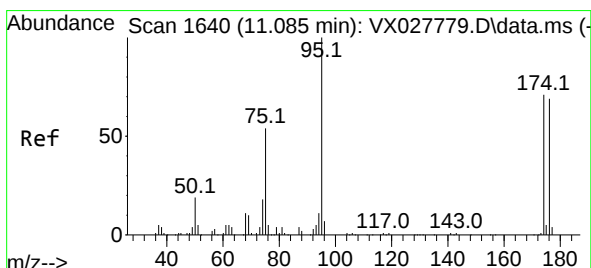
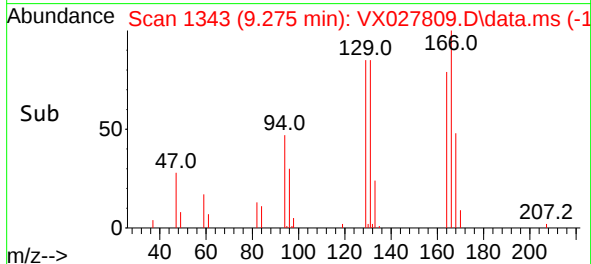
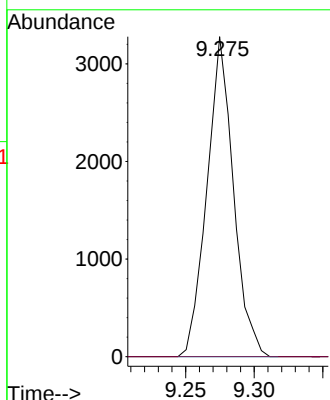
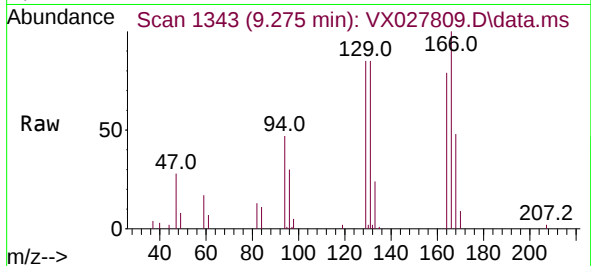




#60
Dibromochloromethane
Concen: 4.219 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX027809.D
Acq: 30 Mar 2022 14:40

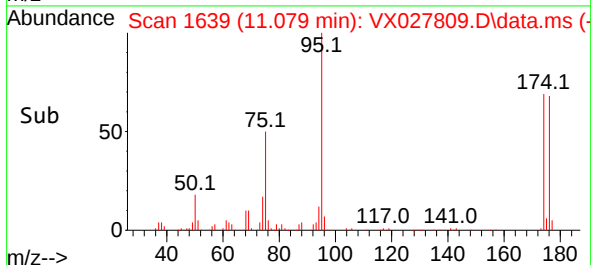
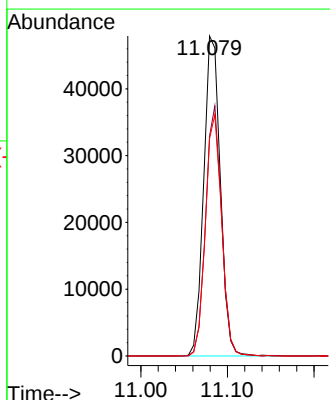
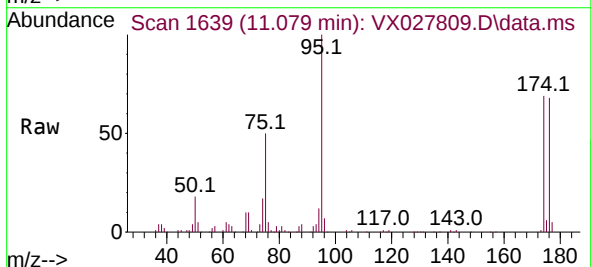
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20220317

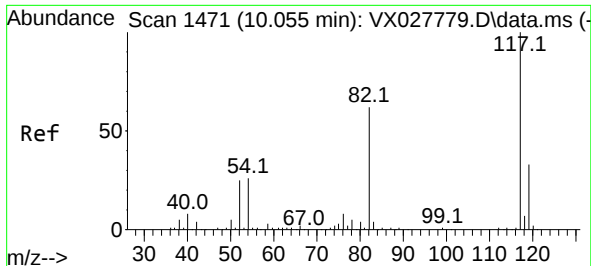
Tgt Ion:129 Resp: 4406
Ion Ratio Lower Upper
129 100
127 0.0 40.3 120.8#



#62
4-Bromofluorobenzene
Concen: 45.127 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX027809.D
Acq: 30 Mar 2022 14:40

Tgt Ion: 95 Resp: 63733
Ion Ratio Lower Upper
95 100
174 75.2 0.0 163.0
176 73.7 0.0 155.0

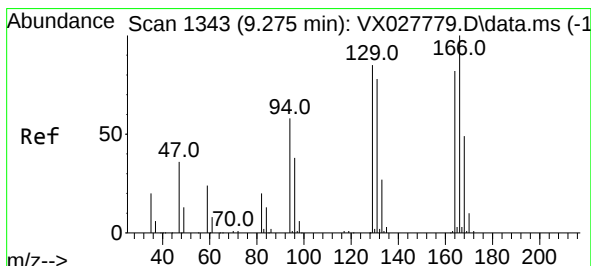
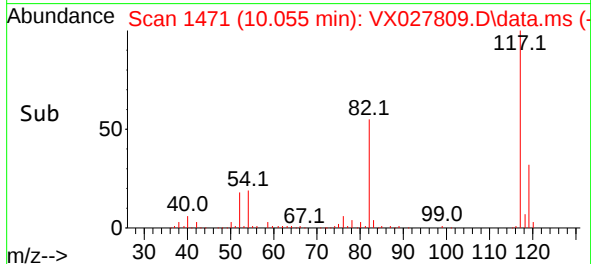
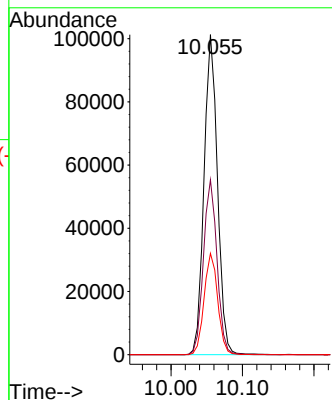
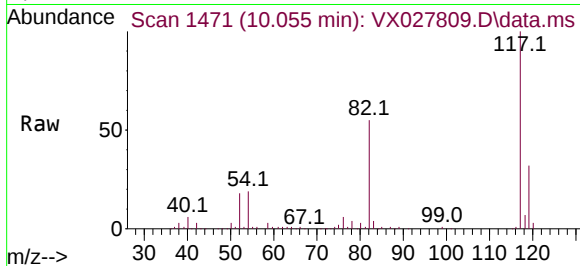




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027809.D
Acq: 30 Mar 2022 14:40

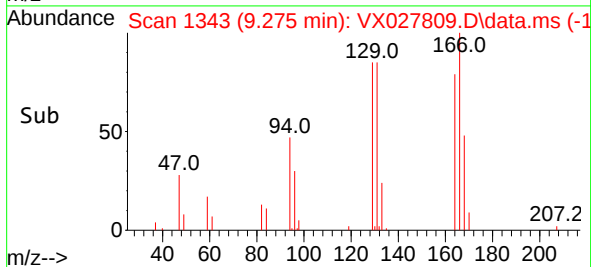
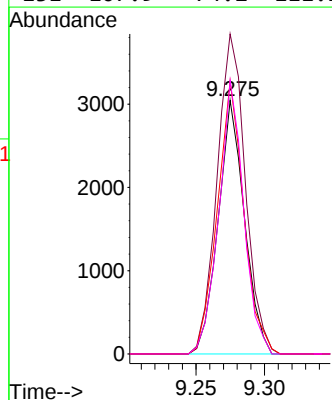
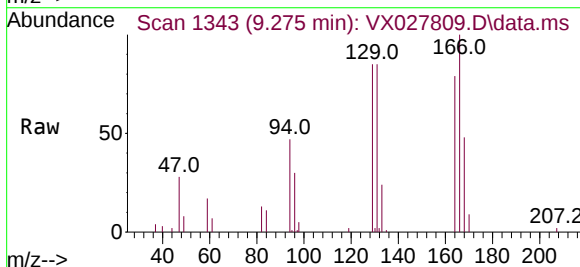
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20220317

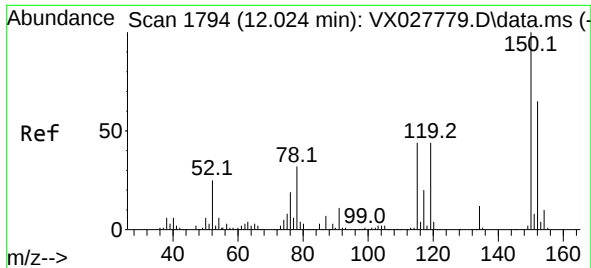
Tgt Ion:117 Resp: 132544
Ion Ratio Lower Upper
117 100
82 54.7 41.8 62.8
119 31.7 24.8 37.2



#64
Tetrachloroethene
Concen: 4.514 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX027809.D
Acq: 30 Mar 2022 14:40

Tgt Ion:164 Resp: 4057
Ion Ratio Lower Upper
164 100
166 126.2 101.2 151.8
129 107.7 73.0 109.4
131 107.9 74.2 111.2

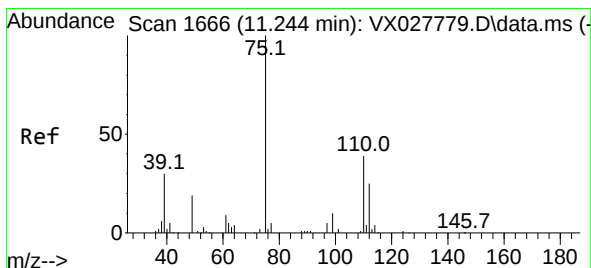
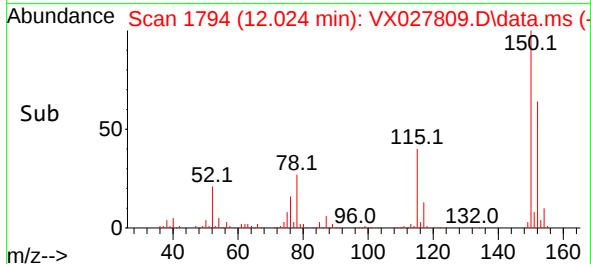
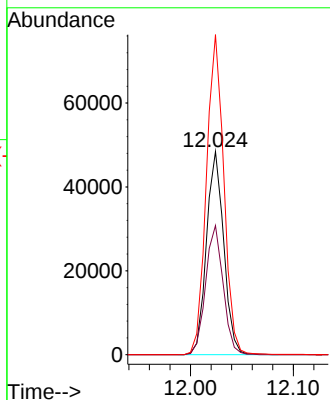
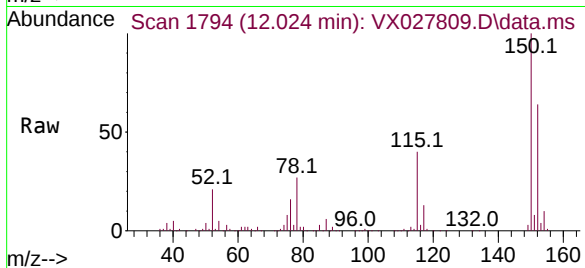




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027809.D
Acq: 30 Mar 2022 14:40

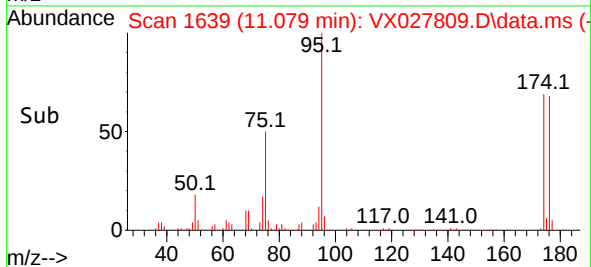
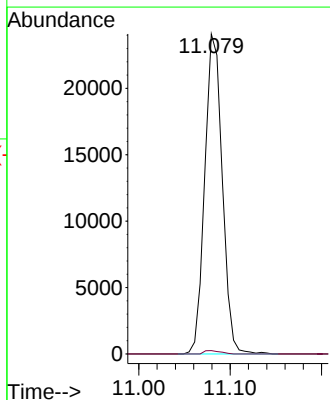
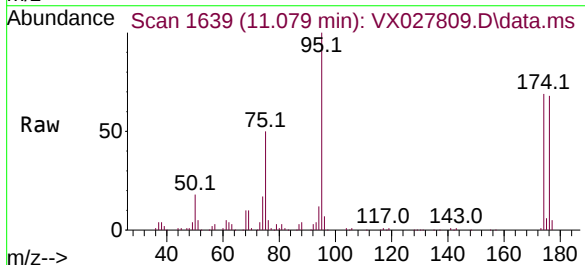
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20220317

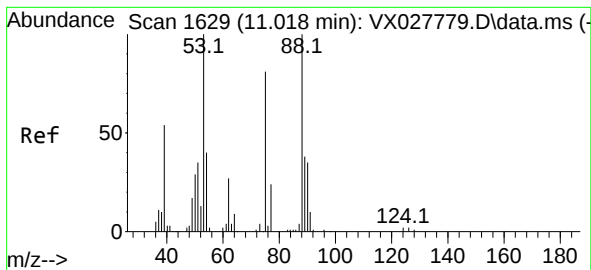
Tgt Ion:152 Resp: 56622
Ion Ratio Lower Upper
152 100
115 64.3 37.5 112.7
150 158.5 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 24.093 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027809.D
Acq: 30 Mar 2022 14:40

Tgt Ion: 75 Resp: 32002
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.867 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX027809.D
 Acq: 30 Mar 2022 14:40

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D1-20220317

Tgt Ion: 75 Resp: 32002
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.1 37.0 55.6#

