

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033022\
 Data File : VX027811.D
 Acq On : 30 Mar 2022 15:27
 Operator : JC/MD
 Sample : N2041-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D1-20220318

Quant Time: Mar 31 05:49:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 04:39:27 2022
 Response via : Initial Calibration

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

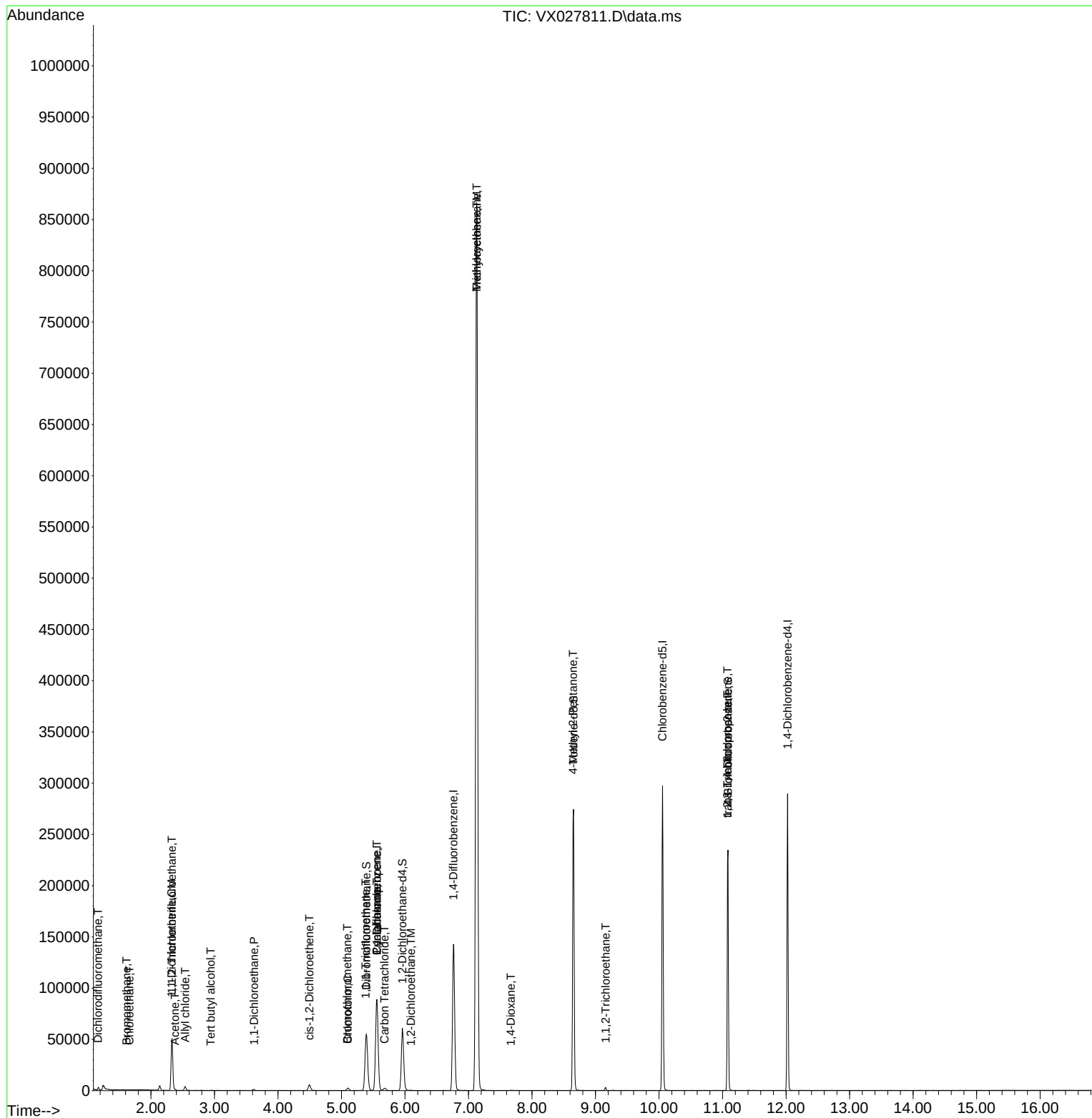
Internal Standards						
1) Pentafluorobenzene	5.556	168	82315	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	139182	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	52188	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58282	54.875	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.740%			
35) Dibromofluoromethane	5.391	113	47520	52.895	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.780%			
50) Toluene-d8	8.653	98	161724	51.164	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.320%			
62) 4-Bromofluorobenzene	11.085	95	62348	46.415	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	793	1.063	ug/l	81
5) Bromomethane	1.618	94	78	0.256	ug/l	93
6) Chloroethane	1.660	64	137	0.301	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	17417	22.597	ug/l	96
11) Tert butyl alcohol	2.941	59	116	0.569	ug/l #	72
12) 1,1-Dichloroethane	2.325	96	2621	3.706	ug/l	94
14) Allyl chloride	2.538	41	386	0.297	ug/l #	47
16) Acetone	2.380	43	1007	2.142	ug/l #	78
24) 1,1-Dichloroethane	3.623	63	1392	0.951	ug/l #	81
27) cis-1,2-Dichloroethene	4.495	96	3380	3.652	ug/l	96
28) Bromochloromethane	5.093	49	137	0.218	ug/l #	7
30) Chloroform	5.099	83	2691	1.654	ug/l	94
31) Cyclohexane	5.556	56	1721	1.466	ug/l #	37
32) 1,1,1-Trichloroethane	5.379	97	434	0.308	ug/l #	42
36) 1,1-Dichloropropene	5.556	75	6401	5.657	ug/l #	50
38) Carbon Tetrachloride	5.678	117	2107	1.685	ug/l	99
39) Methylcyclohexane	7.129	83	3972	2.983	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	360	0.263	ug/l #	73
44) Trichloroethene	7.129	130	330697	354.871	ug/l	91
49) 1,4-Dioxane	7.665	88	213	9.157	ug/l #	59
51) 4-Methyl-2-Pentanone	8.647	43	828	0.531	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	779	0.813	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	36198	29.568	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	36198	86.174	ug/l #	15

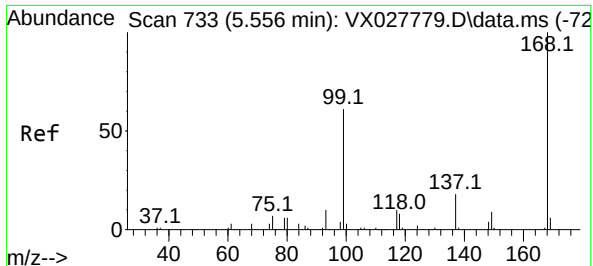
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033022\
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Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20220318

Quant Time: Mar 31 05:49:32 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

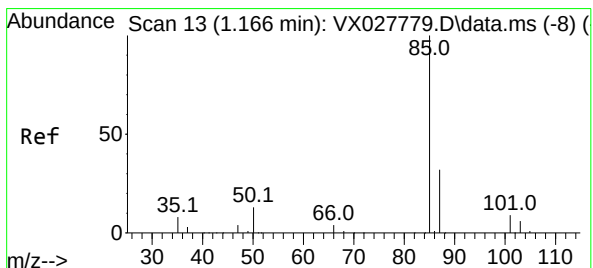
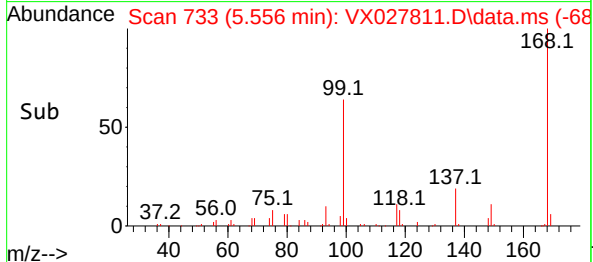
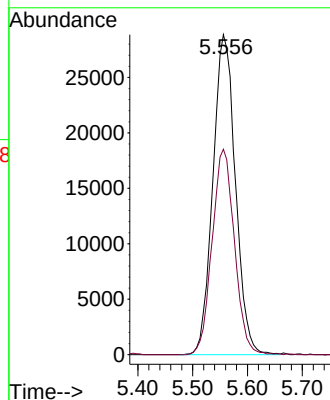
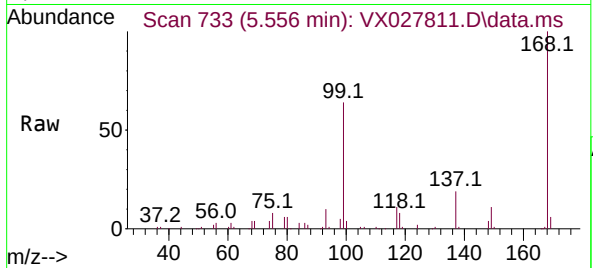




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027811.D
Acq: 30 Mar 2022 15:27

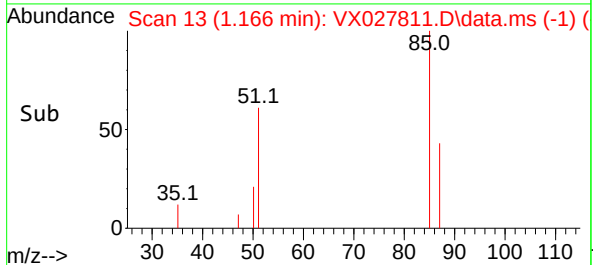
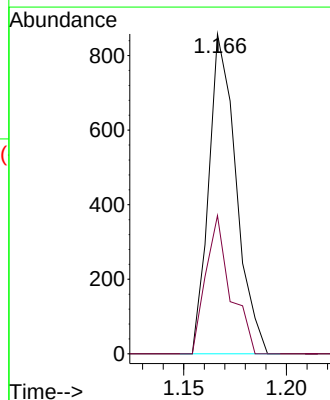
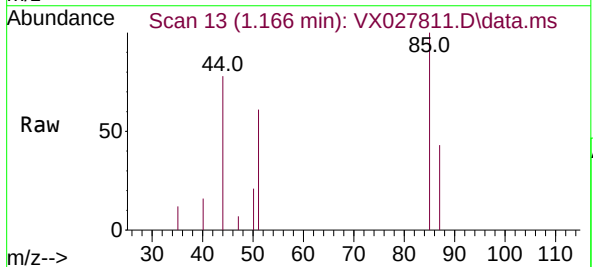
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20220318

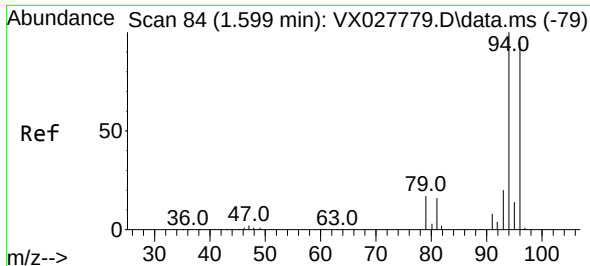
Tgt Ion:168 Resp: 82315
Ion Ratio Lower Upper
168 100
99 64.2 41.7 62.5#



#2
Dichlorodifluoromethane
Concen: 1.063 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX027811.D
Acq: 30 Mar 2022 15:27

Tgt Ion: 85 Resp: 793
Ion Ratio Lower Upper
85 100
87 43.2 16.2 48.6

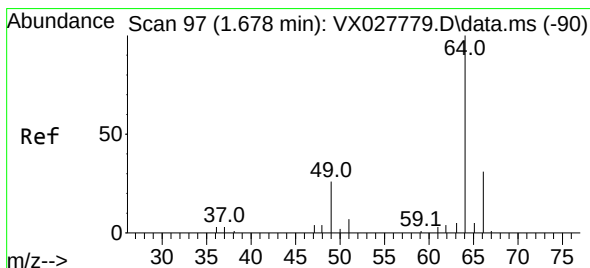
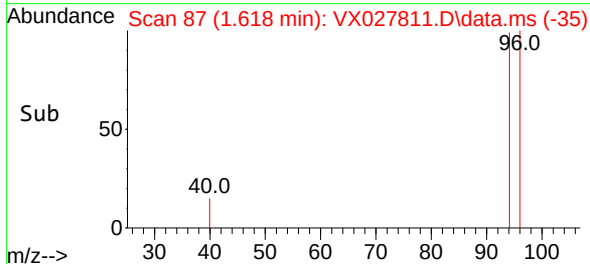
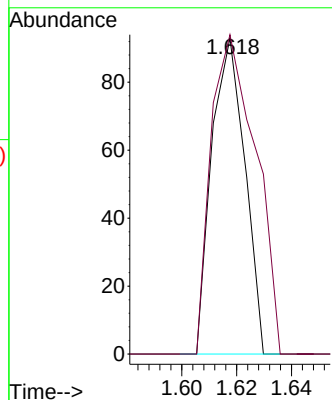
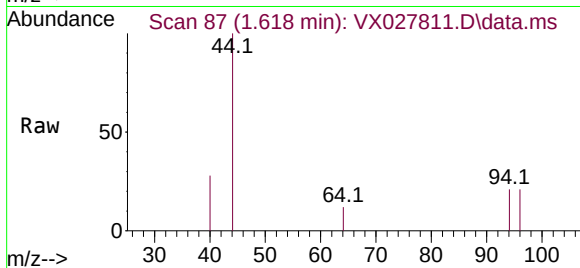




#5
Bromomethane
Concen: 0.256 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX027811.D
Acq: 30 Mar 2022 15:27

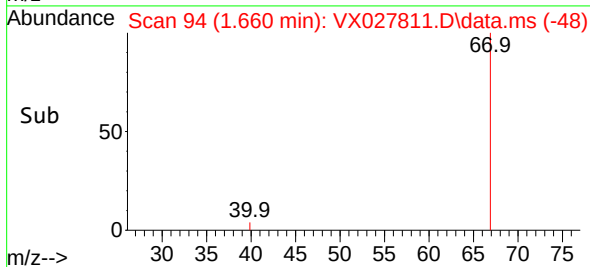
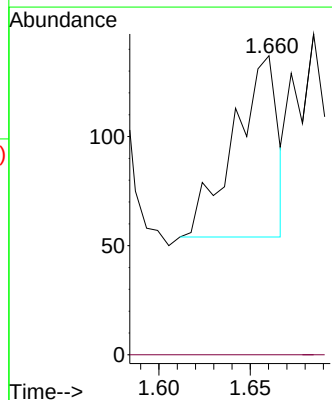
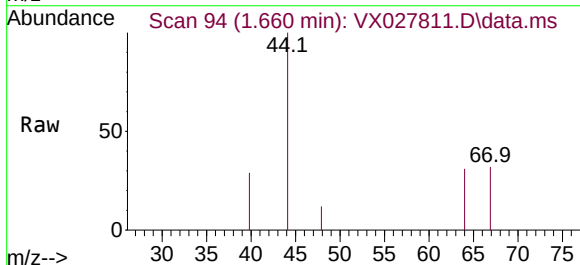
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20220318

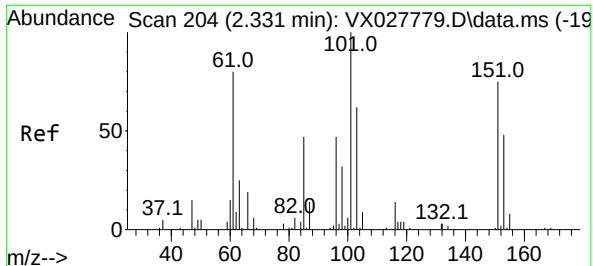
Tgt Ion: 94 Resp: 78
Ion Ratio Lower Upper
94 100
96 101.1 75.3 112.9



#6
Chloroethane
Concen: 0.301 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.018 min
Lab File: VX027811.D
Acq: 30 Mar 2022 15:27

Tgt Ion: 64 Resp: 137
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

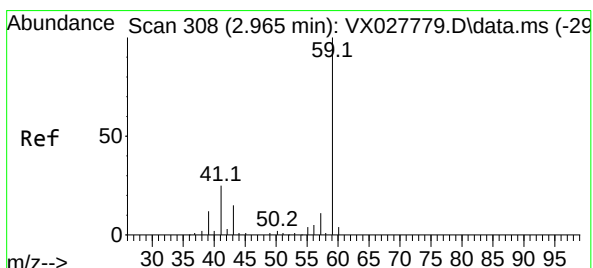
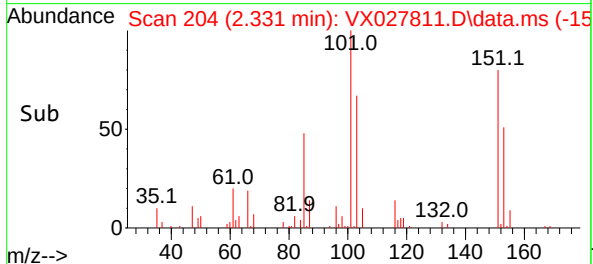
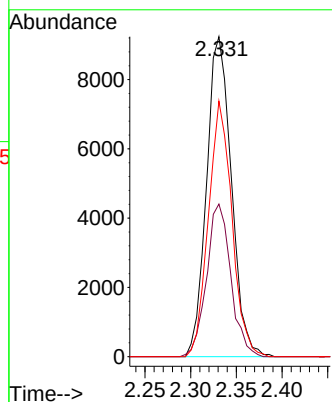
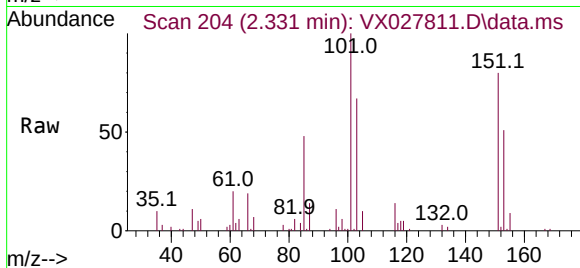




#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.597 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX027811.D
Acq: 30 Mar 2022 15:27

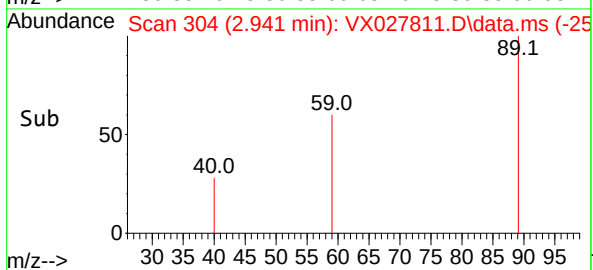
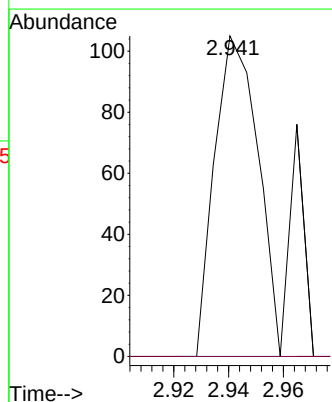
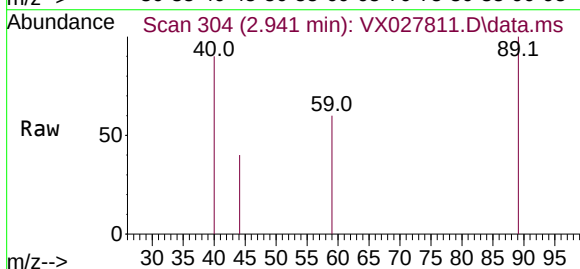
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20220318

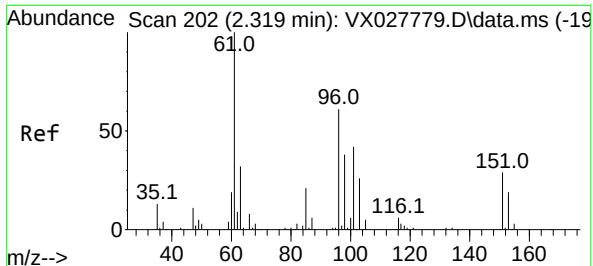
Tgt Ion:	101	Resp:	17417
Ion	Ratio	Lower	Upper
101	100		
85	46.6	33.5	50.3
151	75.8	61.8	92.6



#11
Tert butyl alcohol
Concen: 0.569 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.024 min
Lab File: VX027811.D
Acq: 30 Mar 2022 15:27

Tgt Ion:	59	Resp:	116
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5





#12

1,1-Dichloroethene

Concen: 3.706 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX027811.D

Acq: 30 Mar 2022 15:27

Instrument :

MSVOA_X

ClientSampleId :

RE114D1-20220318

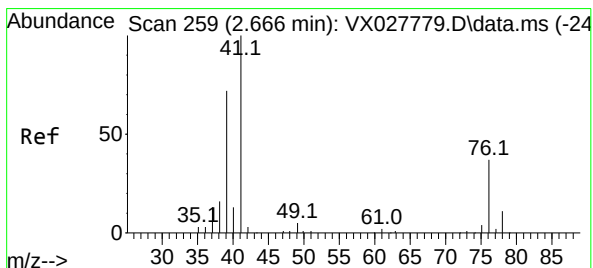
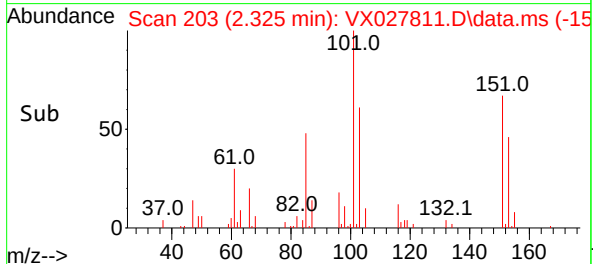
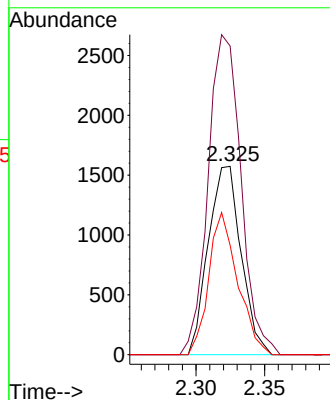
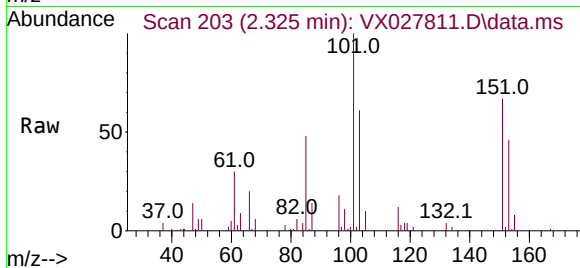
Tgt Ion: 96 Resp: 2621

Ion Ratio Lower Upper

96 100

61 163.9 124.6 187.0

98 58.1 51.0 76.4



#14

Allyl chloride

Concen: 0.297 ug/l

RT: 2.538 min Scan# 238

Delta R.T. -0.128 min

Lab File: VX027811.D

Acq: 30 Mar 2022 15:27

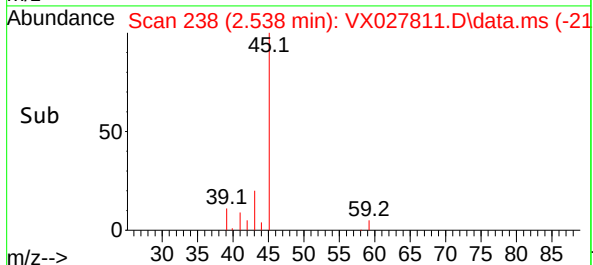
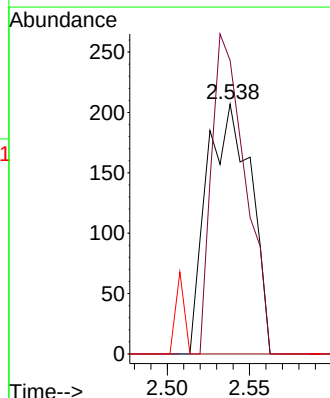
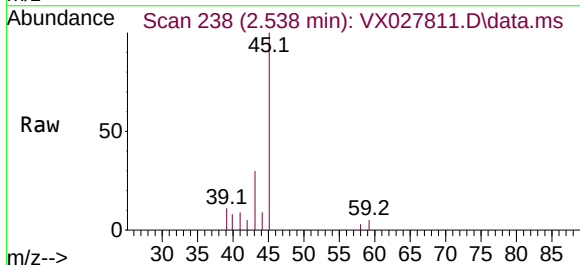
Tgt Ion: 41 Resp: 386

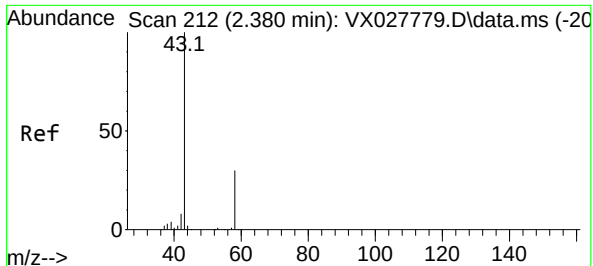
Ion Ratio Lower Upper

41 100

39 97.7 50.4 75.6#

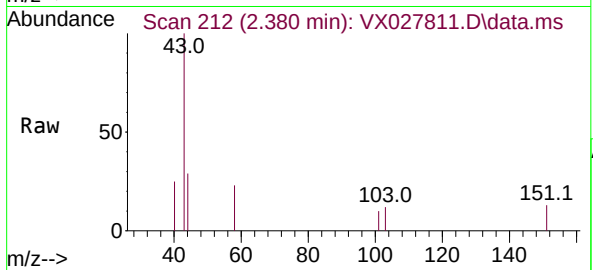
76 0.0 32.7 49.1#



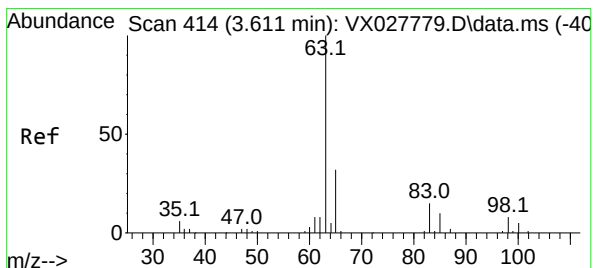
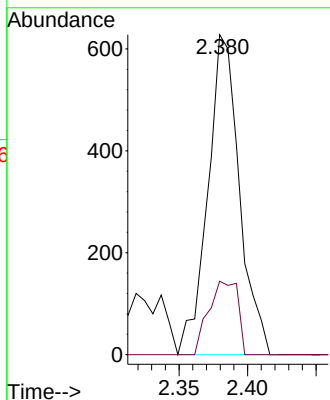
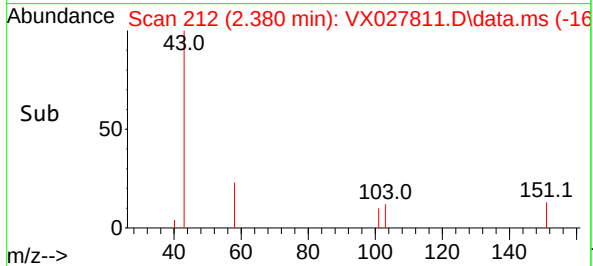


#16
Acetone
Concen: 2.142 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX027811.D
Acq: 30 Mar 2022 15:27

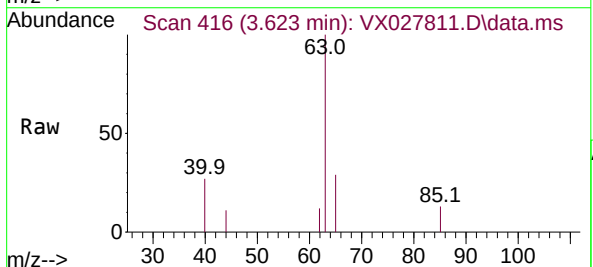
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20220318



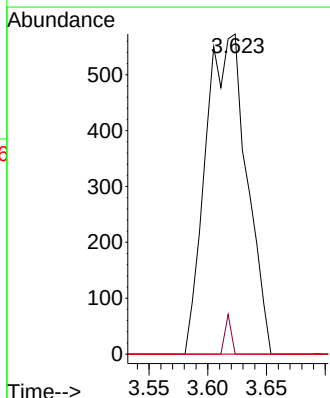
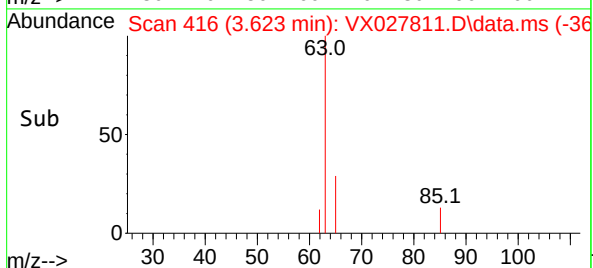
Tgt Ion: 43 Resp: 1007
Ion Ratio Lower Upper
43 100
58 22.9 28.8 43.2#

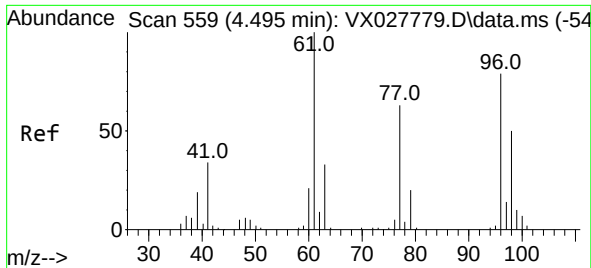


#24
1,1-Dichloroethane
Concen: 0.951 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.012 min
Lab File: VX027811.D
Acq: 30 Mar 2022 15:27



Tgt Ion: 63 Resp: 1392
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: 3.652 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX027811.D

Acq: 30 Mar 2022 15:27

Instrument :

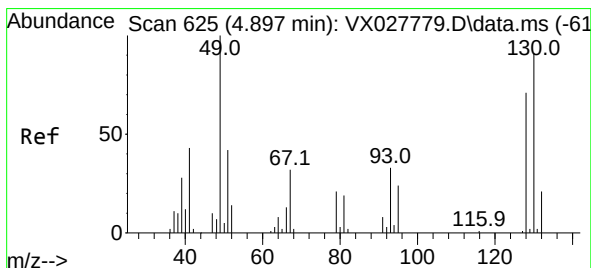
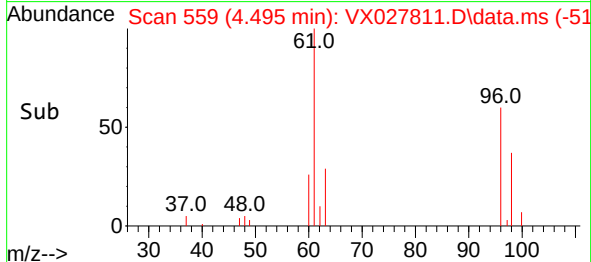
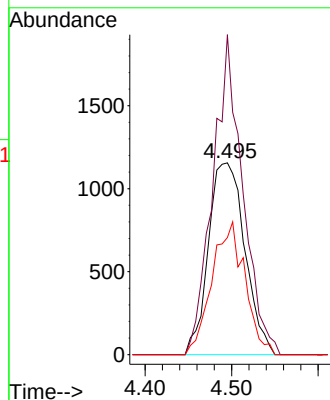
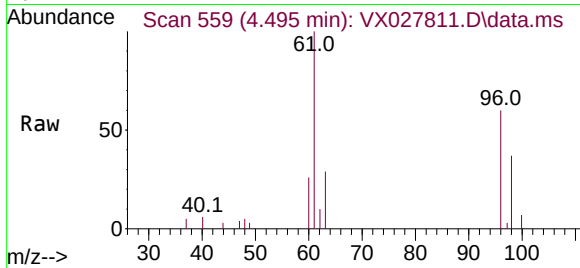
MSVOA_X

ClientSampleId :

RE114D1-20220318

Tgt Ion: 96 Resp: 3380

Ion	Ratio	Lower	Upper
96	100		
61	136.6	0.0	283.8
98	62.6	0.0	129.8



#28

Bromochloromethane

Concen: 0.218 ug/l

RT: 5.093 min Scan# 657

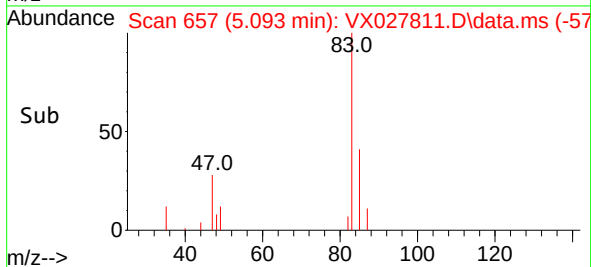
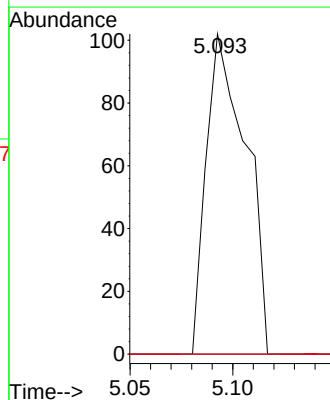
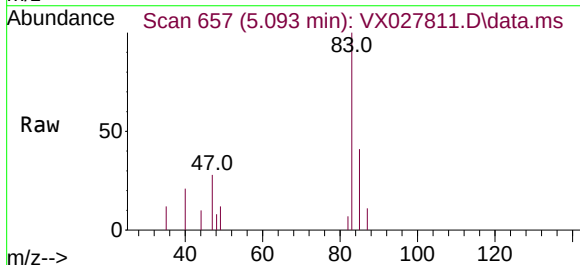
Delta R.T. 0.196 min

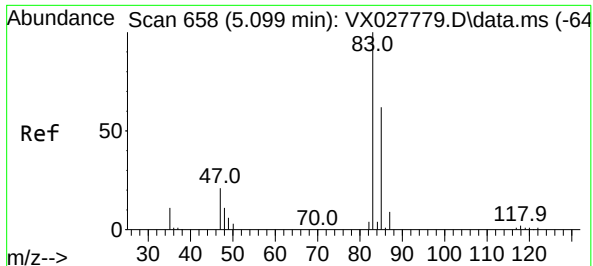
Lab File: VX027811.D

Acq: 30 Mar 2022 15:27

Tgt Ion: 49 Resp: 137

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	0.0	70.7	106.1#





#30

Chloroform

Concen: 1.654 ug/l

RT: 5.099 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX027811.D

Acq: 30 Mar 2022 15:27

Instrument :

MSVOA_X

ClientSampleId :

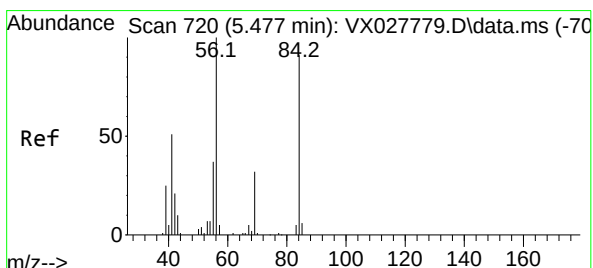
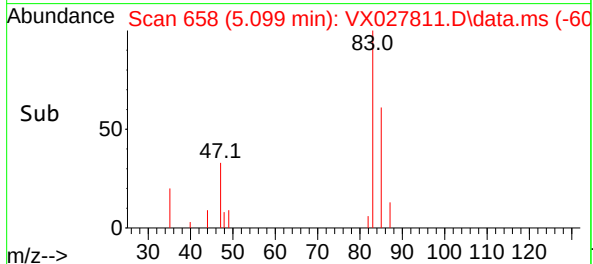
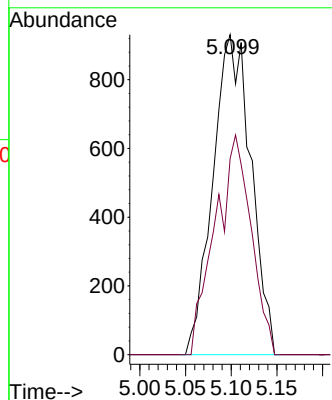
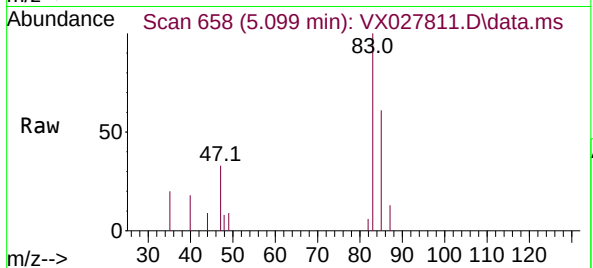
RE114D1-20220318

Tgt Ion: 83 Resp: 2691

Ion Ratio Lower Upper

83 100

85 61.2 52.7 79.1



#31

Cyclohexane

Concen: 1.466 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX027811.D

Acq: 30 Mar 2022 15:27

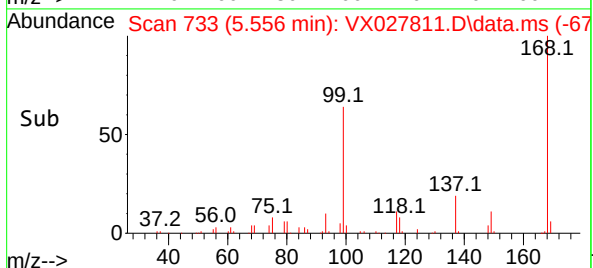
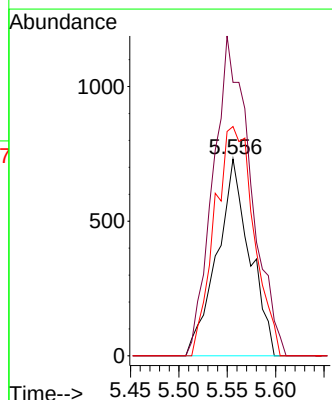
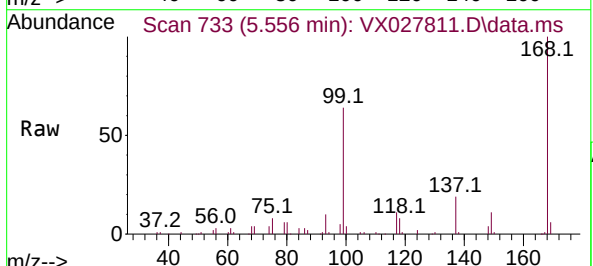
Tgt Ion: 56 Resp: 1721

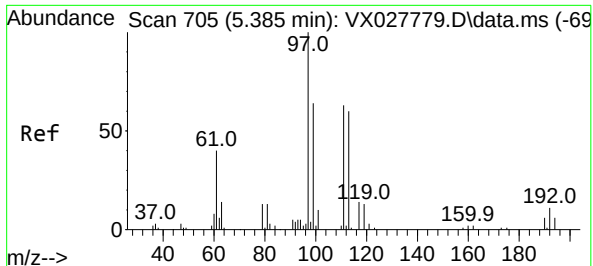
Ion Ratio Lower Upper

56 100

69 139.0 26.7 40.1#

84 116.6 77.2 115.8#





#32

1,1,1-Trichloroethane

Concen: 0.308 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX027811.D

Acq: 30 Mar 2022 15:27

Instrument :

MSVOA_X

ClientSampleId :

RE114D1-20220318

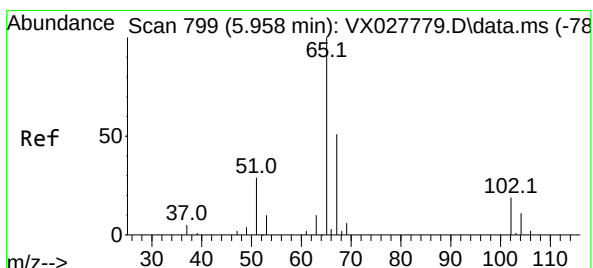
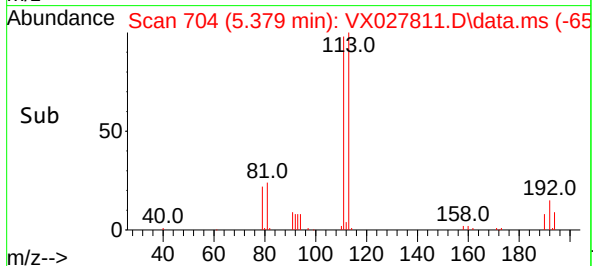
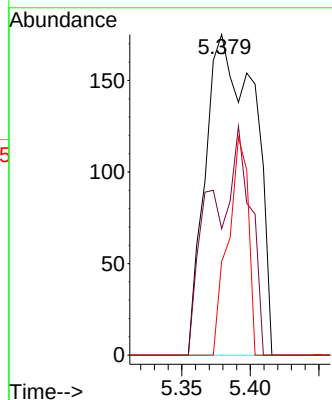
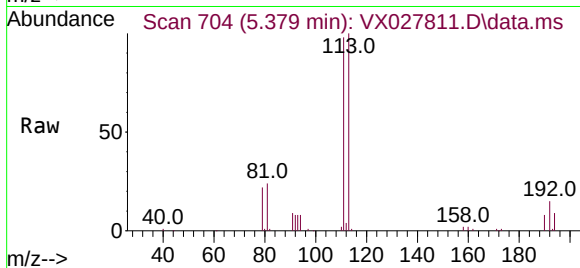
Tgt Ion: 97 Resp: 434

Ion Ratio Lower Upper

97 100

99 0.0 51.8 77.6#

61 28.3 34.0 51.0#



#33

1,2-Dichloroethane-d4

Concen: 54.875 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027811.D

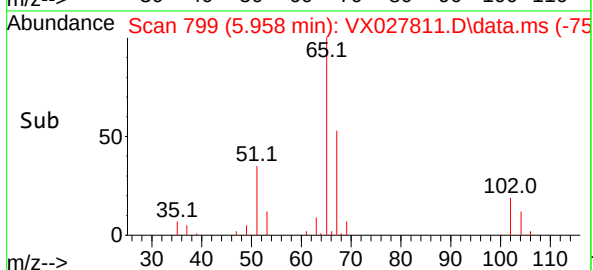
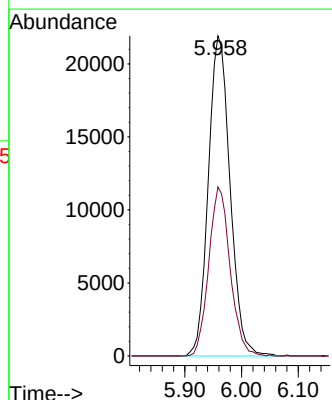
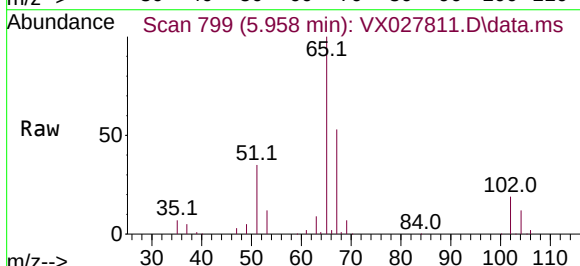
Acq: 30 Mar 2022 15:27

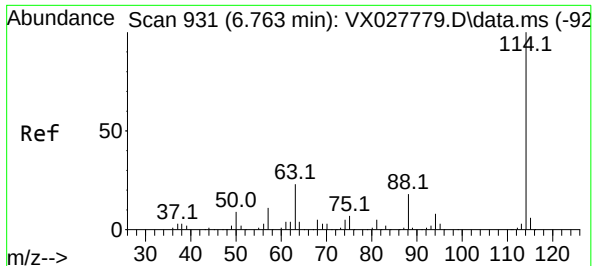
Tgt Ion: 65 Resp: 58282

Ion Ratio Lower Upper

65 100

67 51.8 0.0 107.4

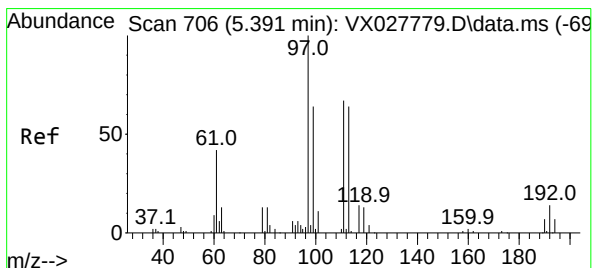
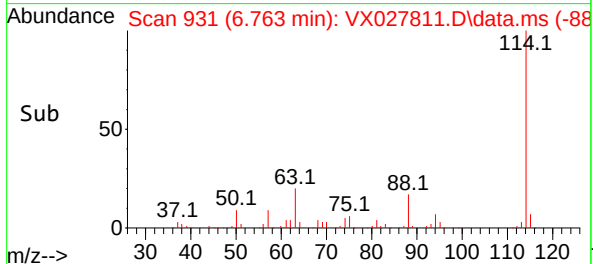
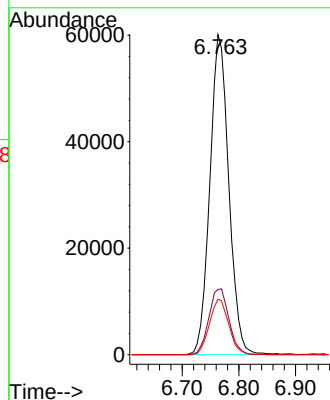
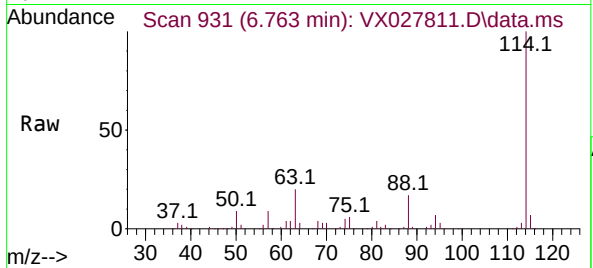




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX027811.D
Acq: 30 Mar 2022 15:27

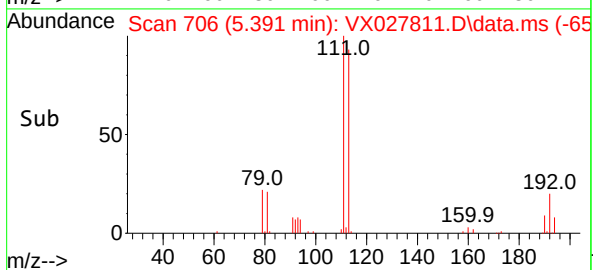
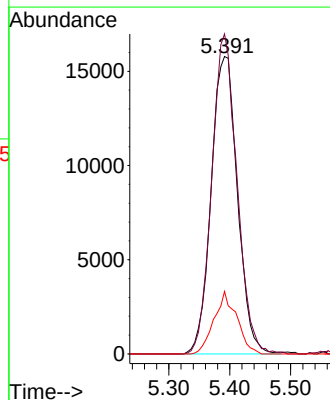
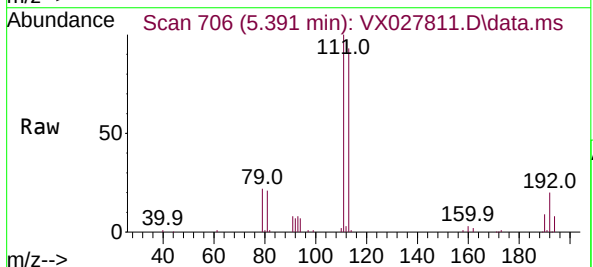
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20220318

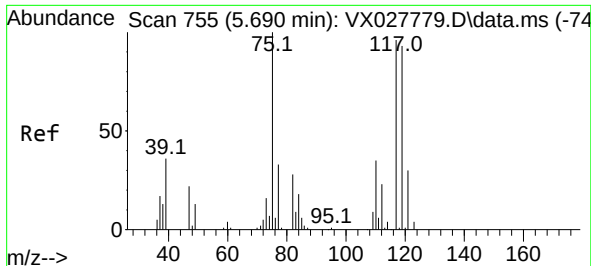
Tgt Ion:114 Resp: 139182
Ion Ratio Lower Upper
114 100
63 20.4 0.0 36.8
88 17.3 0.0 32.4



#35
Dibromofluoromethane
Concen: 52.895 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027811.D
Acq: 30 Mar 2022 15:27

Tgt Ion:113 Resp: 47520
Ion Ratio Lower Upper
113 100
111 102.7 82.8 124.2
192 18.1 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.657 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX027811.D

Acq: 30 Mar 2022 15:27

Instrument :

MSVOA_X

ClientSampleId :

RE114D1-20220318

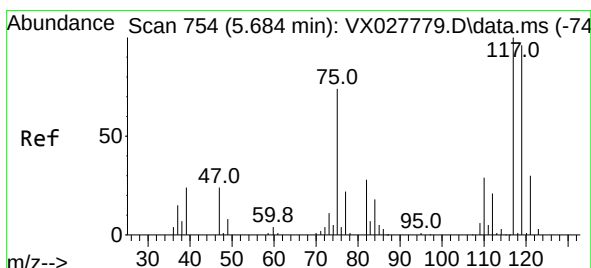
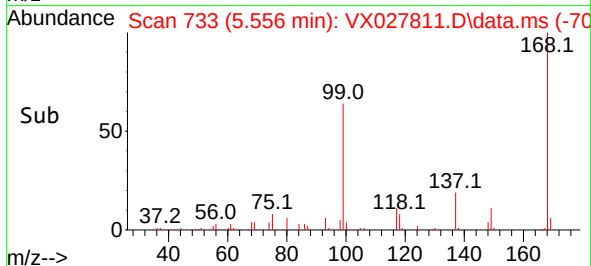
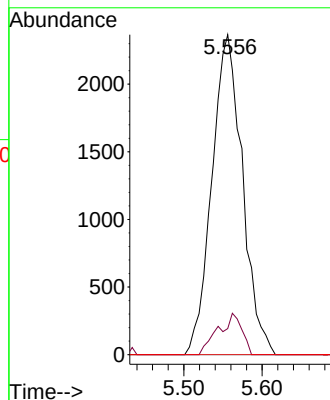
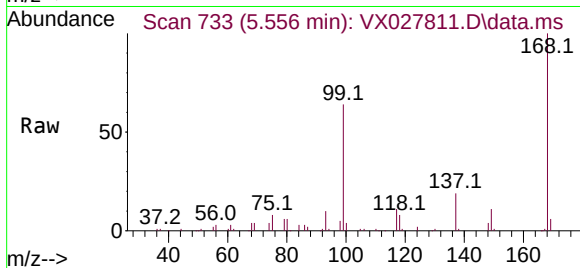
Tgt Ion: 75 Resp: 6401

Ion Ratio Lower Upper

75 100

110 10.0 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 1.685 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.006 min

Lab File: VX027811.D

Acq: 30 Mar 2022 15:27

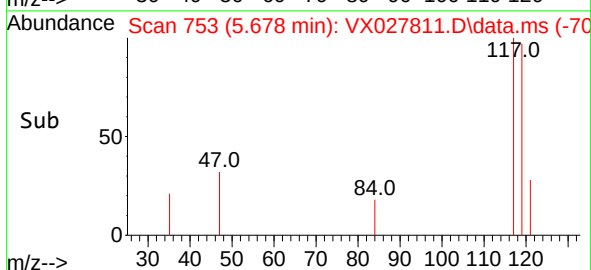
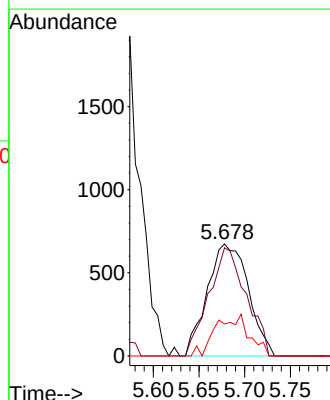
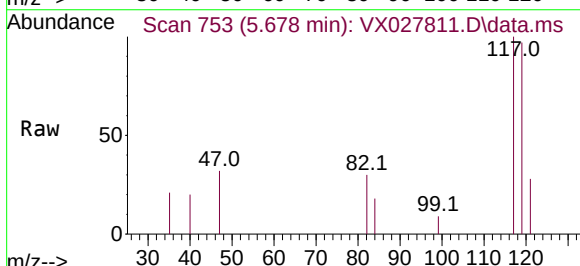
Tgt Ion: 117 Resp: 2107

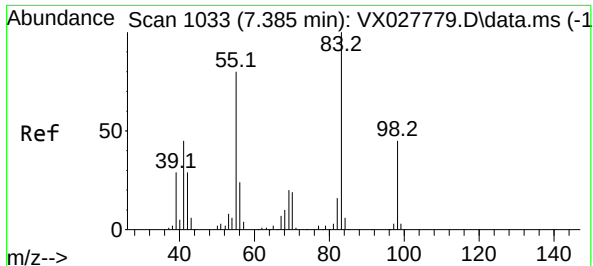
Ion Ratio Lower Upper

117 100

119 96.6 77.3 115.9

121 28.5 24.2 36.2





#39

Methylcyclohexane

Concen: 2.983 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX027811.D

Acq: 30 Mar 2022 15:27

Instrument :

MSVOA_X

ClientSampleId :

RE114D1-20220318

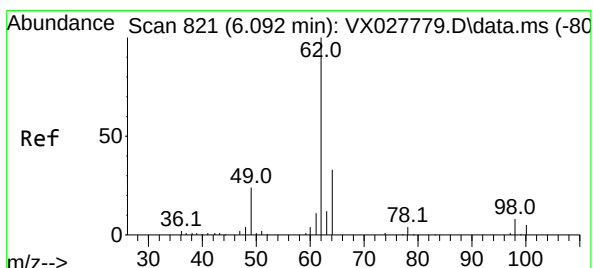
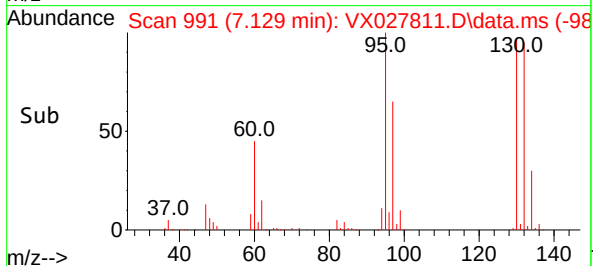
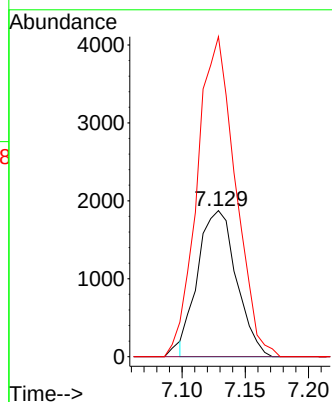
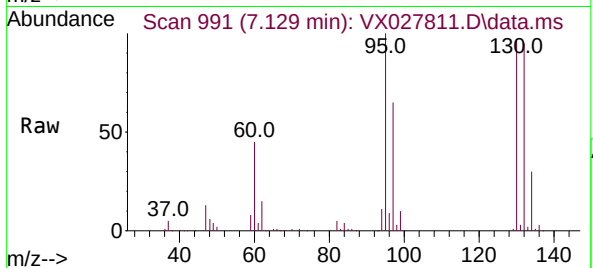
Tgt Ion: 83 Resp: 3972

Ion Ratio Lower Upper

83 100

55 0.0 54.6 81.8#

98 219.0 37.4 56.2#



#42

1,2-Dichloroethane

Concen: 0.263 ug/l

RT: 6.092 min Scan# 821

Delta R.T. 0.000 min

Lab File: VX027811.D

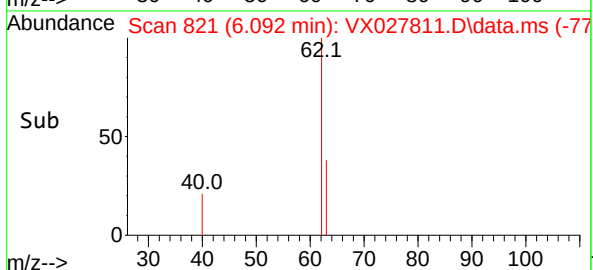
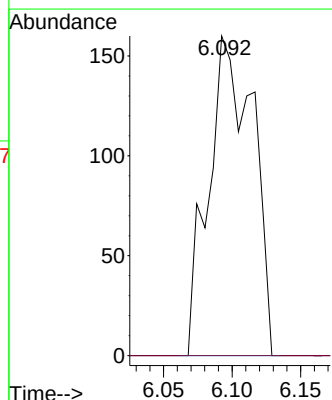
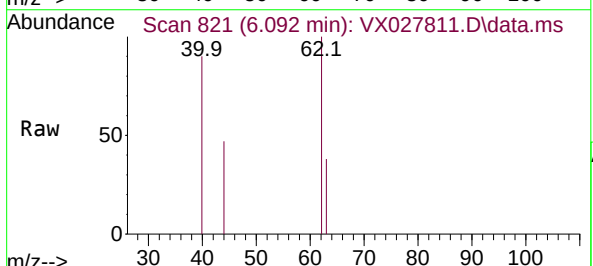
Acq: 30 Mar 2022 15:27

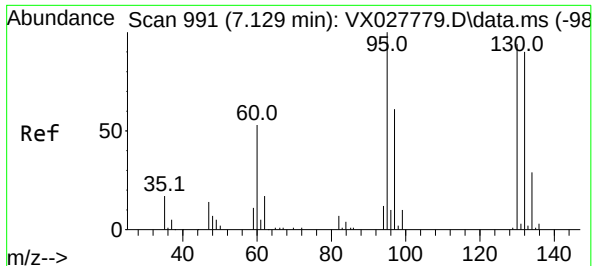
Tgt Ion: 62 Resp: 360

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4

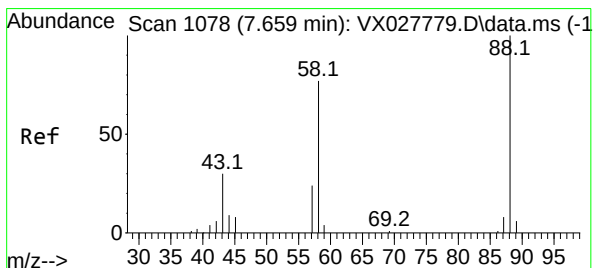
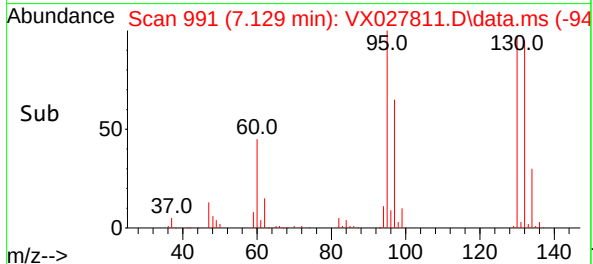
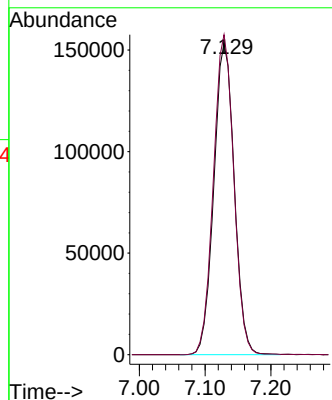
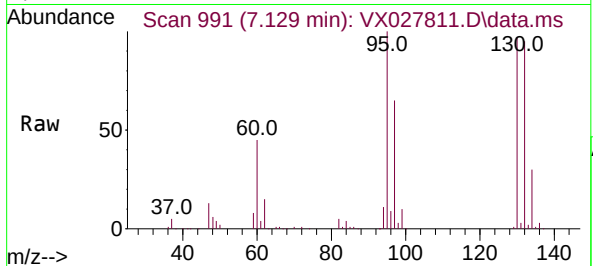




#44
Trichloroethene
Concen: 354.871 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX027811.D
Acq: 30 Mar 2022 15:27

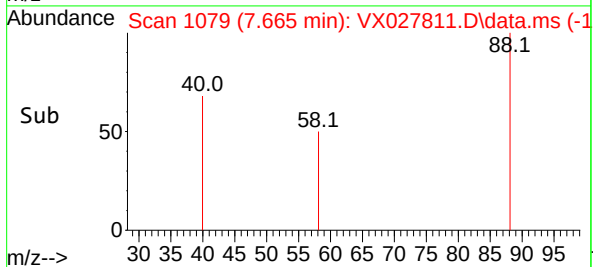
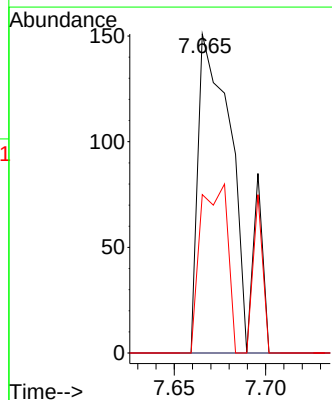
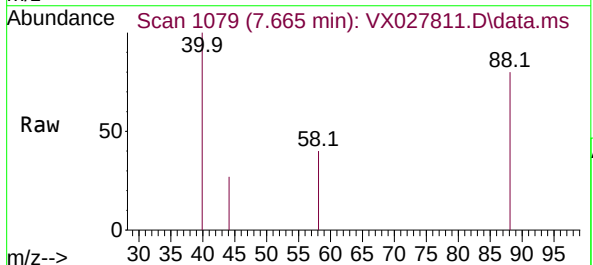
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20220318

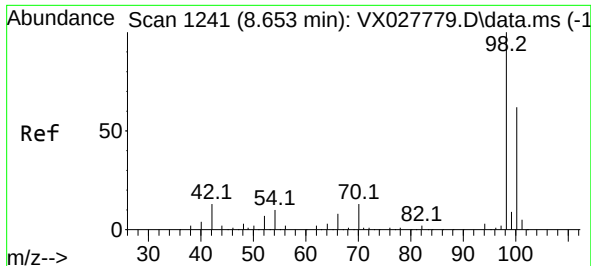
Tgt Ion:130 Resp: 330697
Ion Ratio Lower Upper
130 100
95 102.8 0.0 188.8



#49
1,4-Dioxane
Concen: 9.157 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX027811.D
Acq: 30 Mar 2022 15:27

Tgt Ion: 88 Resp: 213
Ion Ratio Lower Upper
88 100
43 0.0 21.9 32.9#
58 38.5 53.7 80.5#

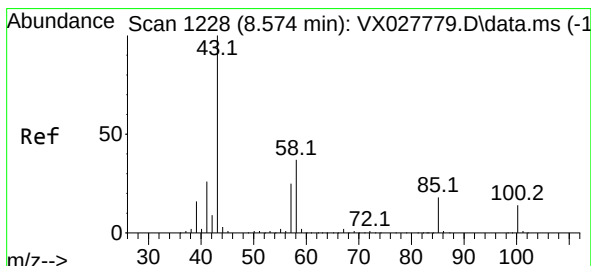
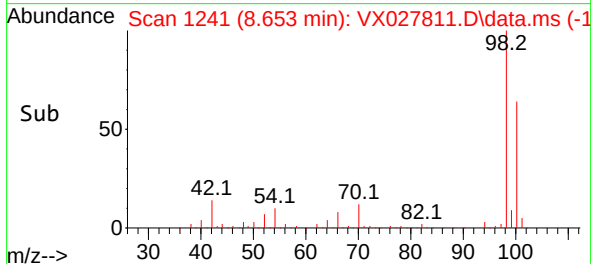
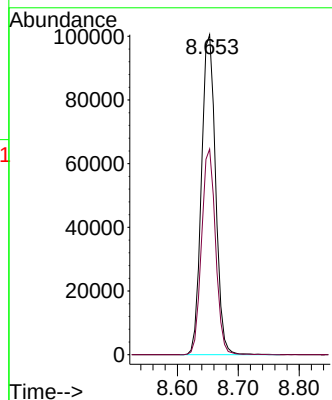
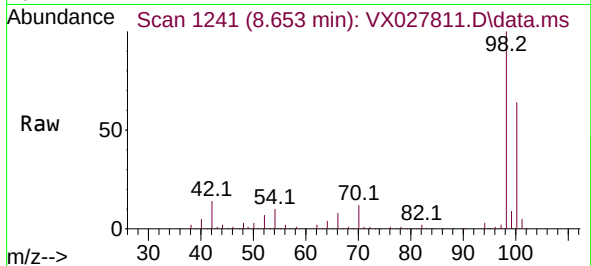




#50
Toluene-d8
Concen: 51.164 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027811.D
Acq: 30 Mar 2022 15:27

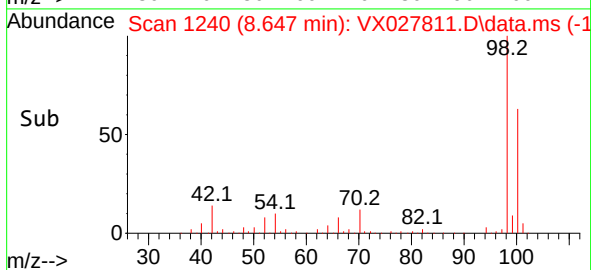
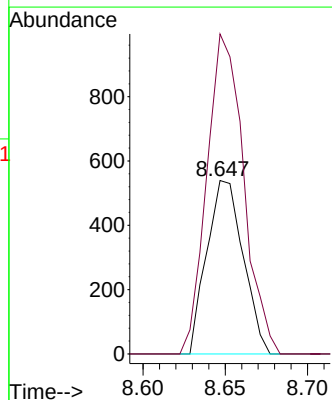
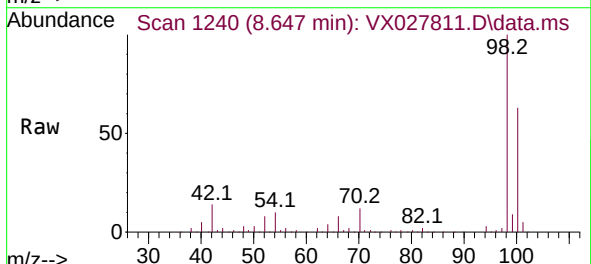
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20220318

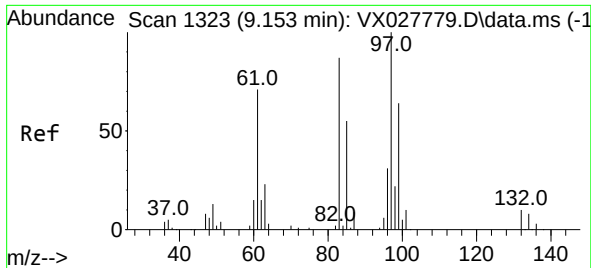
Tgt Ion: 98 Resp: 161724
Ion Ratio Lower Upper
98 100
100 63.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.531 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX027811.D
Acq: 30 Mar 2022 15:27

Tgt Ion: 43 Resp: 828
Ion Ratio Lower Upper
43 100
58 186.8 36.1 54.1#

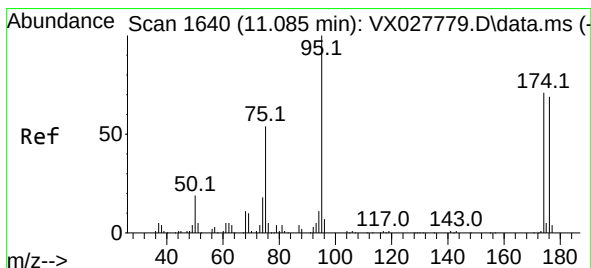
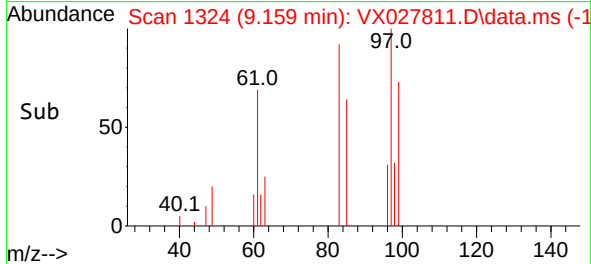
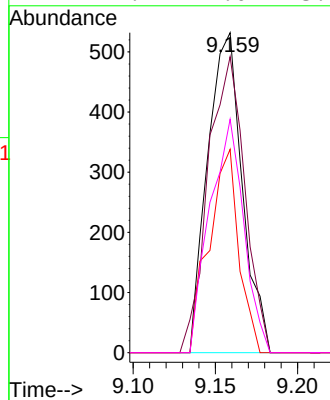
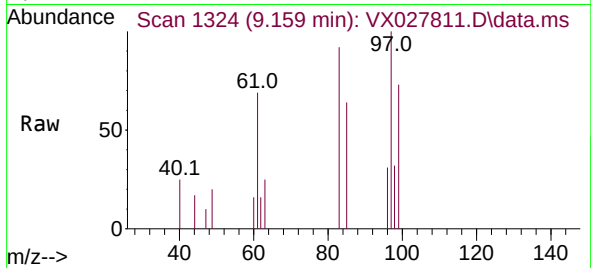




#55
1,1,2-Trichloroethane
Concen: 0.813 ug/l
RT: 9.159 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX027811.D
Acq: 30 Mar 2022 15:27

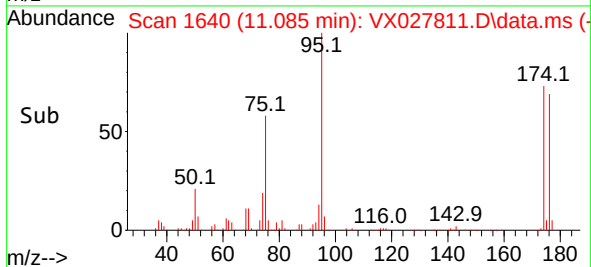
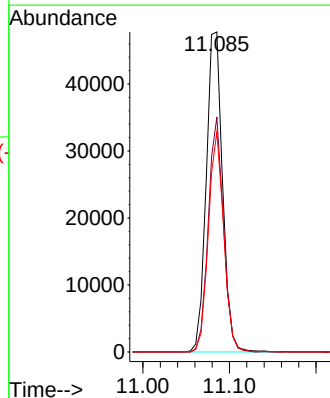
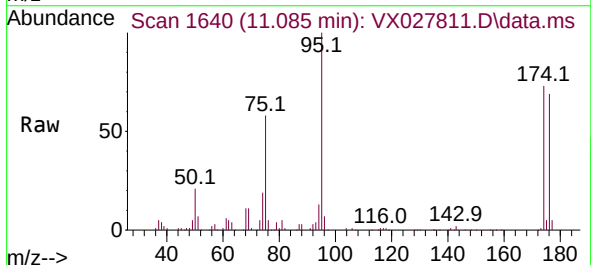
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20220318

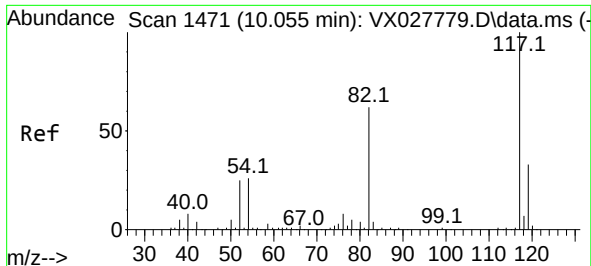
Tgt Ion: 97	Resp:	779	
Ion	Ratio	Lower	Upper
97	100		
83	92.5	66.2	99.4
85	63.5	42.9	64.3
99	72.9	49.0	73.6



#62
4-Bromofluorobenzene
Concen: 46.415 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX027811.D
Acq: 30 Mar 2022 15:27

Tgt Ion: 95	Resp: 62348
Ion Ratio	Lower Upper
95 100	
174 68.5	0.0 163.0
176 64.7	0.0 155.0

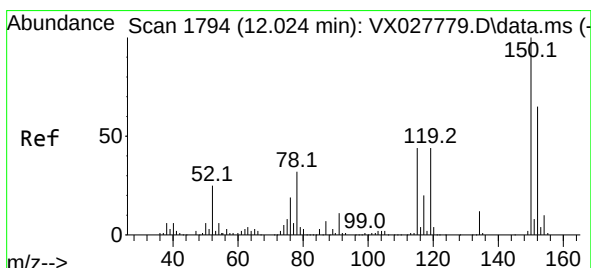
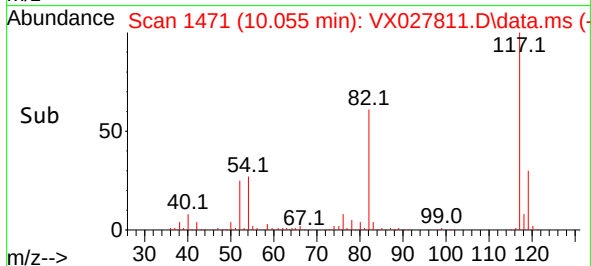
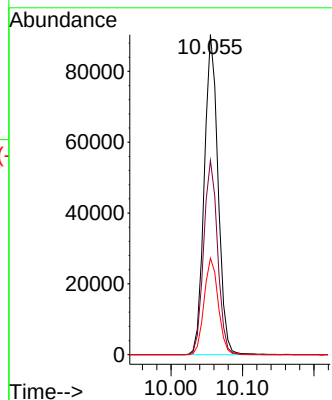
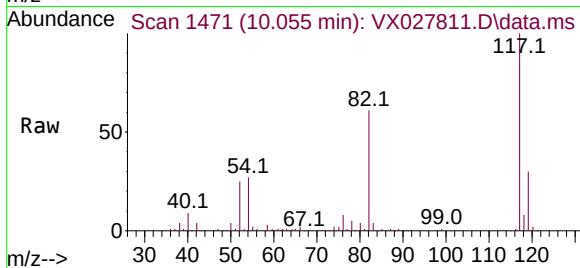




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027811.D
Acq: 30 Mar 2022 15:27

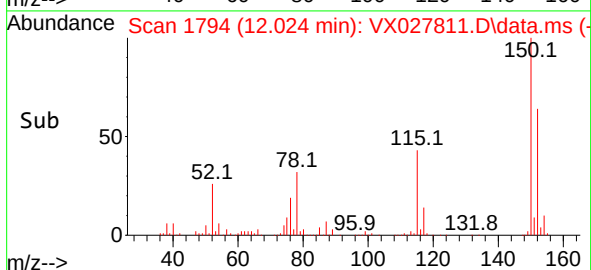
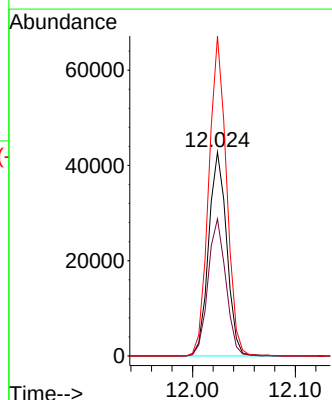
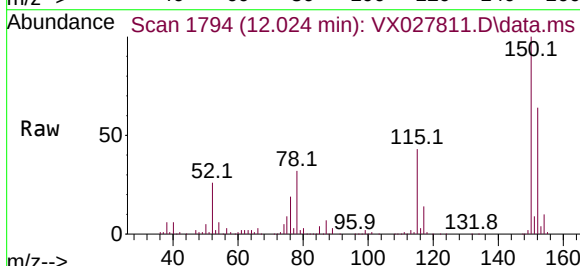
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20220318

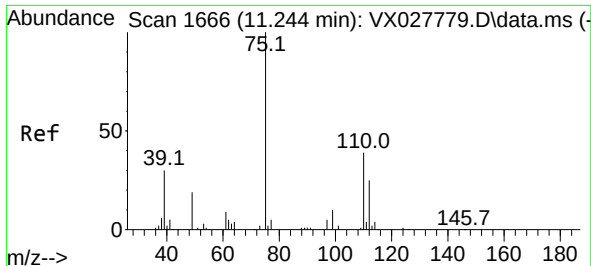
Tgt Ion:117 Resp: 121061
Ion Ratio Lower Upper
117 100
82 60.7 41.8 62.8
119 30.2 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027811.D
Acq: 30 Mar 2022 15:27

Tgt Ion:152 Resp: 52188
Ion Ratio Lower Upper
152 100
115 66.5 37.5 112.7
150 153.8 0.0 338.2

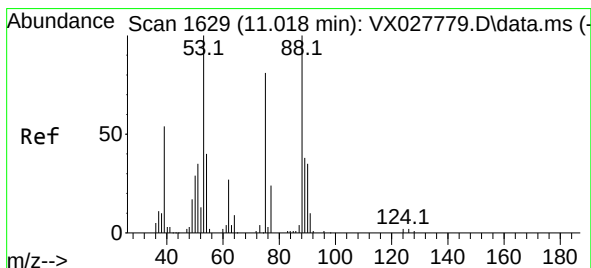
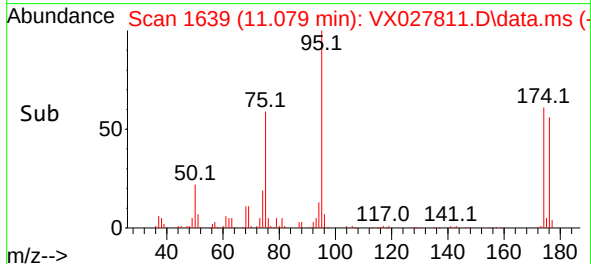
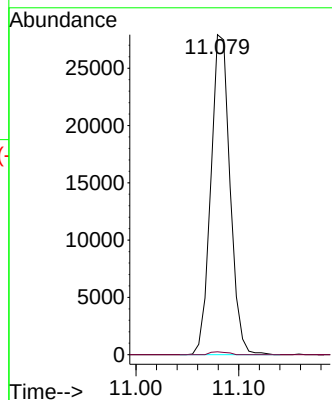
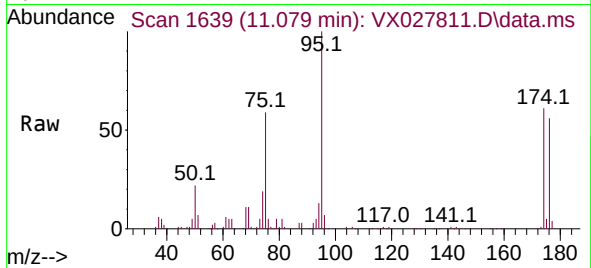




#76
1,2,3-Trichloropropane
Concen: 29.568 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027811.D
Acq: 30 Mar 2022 15:27

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20220318

Tgt Ion: 75 Resp: 36198
Ion Ratio Lower Upper
75 100
77 0.8 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.174 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027811.D
Acq: 30 Mar 2022 15:27

Tgt Ion: 75 Resp: 36198
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

