

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082722\
 Data File : VX030886.D
 Acq On : 27 Aug 2022 21:22
 Operator : JC/MD
 Sample : N4297-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW9-MW01D2-20220821

Quant Time: Aug 29 01:12:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 02:03:28 2022
 Response via : Initial Calibration

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

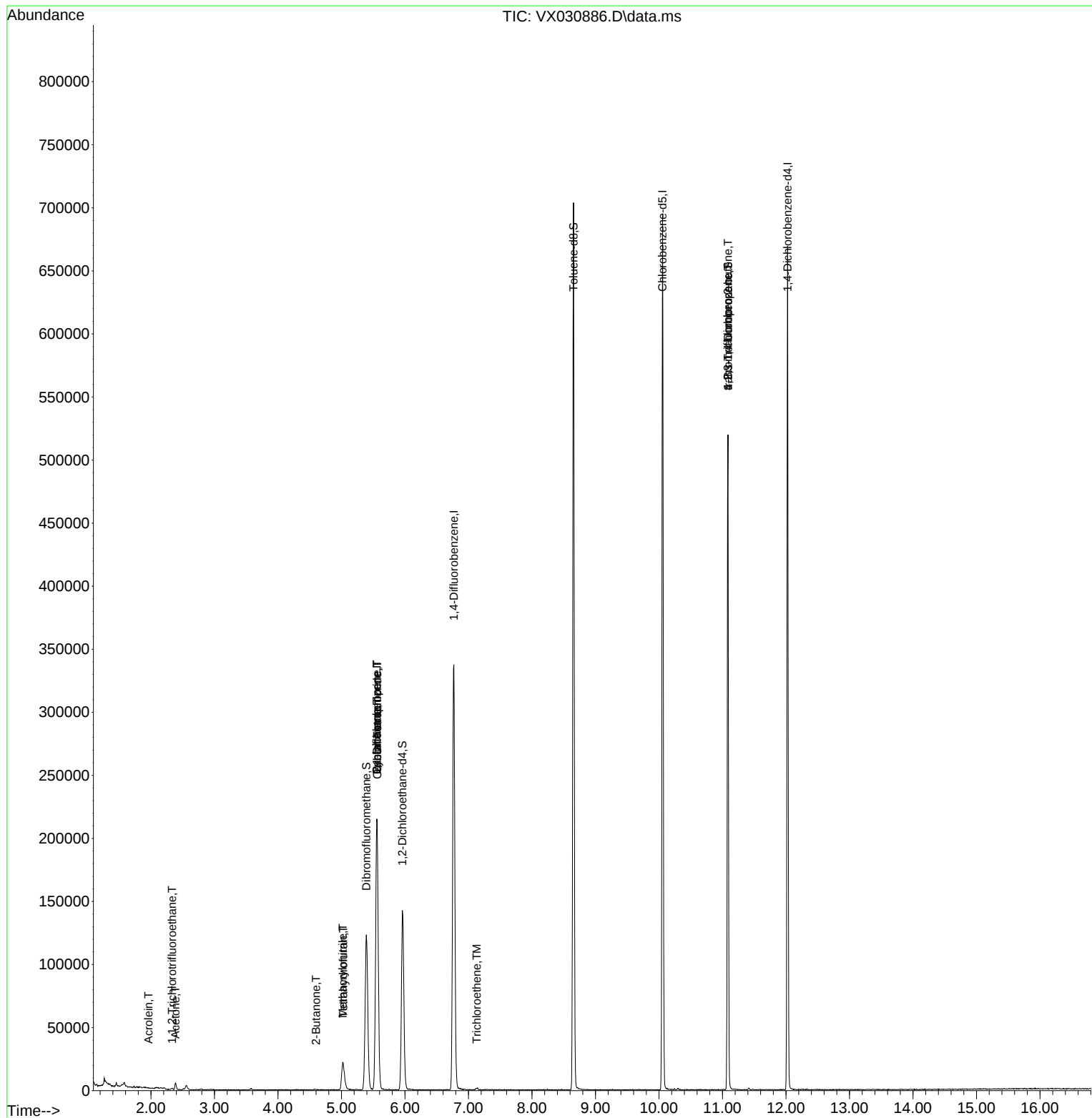
Internal Standards						
1) Pentafluorobenzene	5.556	168	198485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	342791	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	309600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	135283	57.944	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.880%
35) Dibromofluoromethane	5.391	113	110908	52.644	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.280%
50) Toluene-d8	8.653	98	406633	55.390	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	110.780%
62) 4-Bromofluorobenzene	11.085	95	134849	49.338	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.680%
Target Compounds						
						Qvalue
3) Chloromethane	1.295	50	322	Below Cal		98
6) Chloroethane	1.691	64	123	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	2.331	101	648	0.335	ug/l #	69
13) Acrolein	1.959	56	19	10.093	ug/l #	14
16) Acetone	2.386	43	5700	5.283	ug/l	99
17) Carbon Disulfide	2.508	76	907	Below Cal	#	74
20) Methylene Chloride	2.788	84	360	Below Cal	#	65
25) 2-Butanone	4.599	43	647	0.372	ug/l #	48
29) Tetrahydrofuran	5.026	42	21249	18.733	ug/l	92
31) Cyclohexane	5.556	56	4770	1.598	ug/l #	19
36) 1,1-Dichloropropene	5.556	75	16842	5.871	ug/l #	49
38) Carbon Tetrachloride	5.562	117	22051	7.287	ug/l #	17
41) Methacrylonitrile	5.019	41	12713	6.696	ug/l #	45
44) Trichloroethene	7.129	130	611	0.246	ug/l	64
76) 1,2,3-Trichloropropane	11.085	75	71049	24.827	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	71049	80.103	ug/l #	13

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

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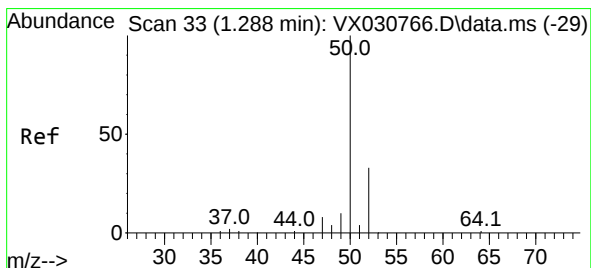
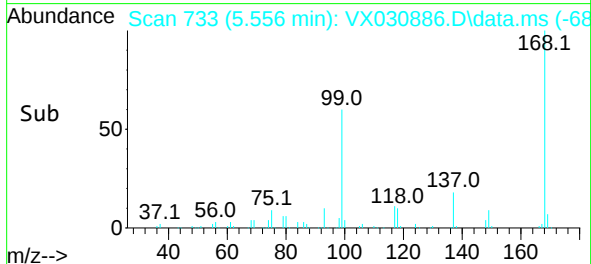
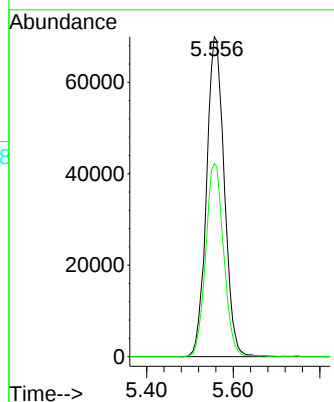
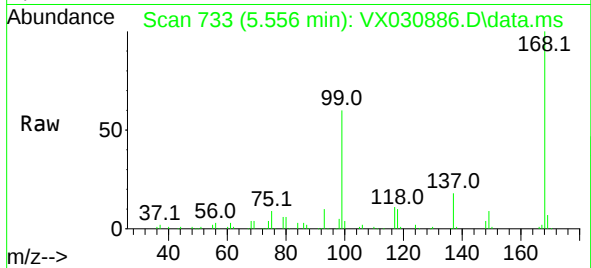




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030886.D
Acq: 27 Aug 2022 21:22

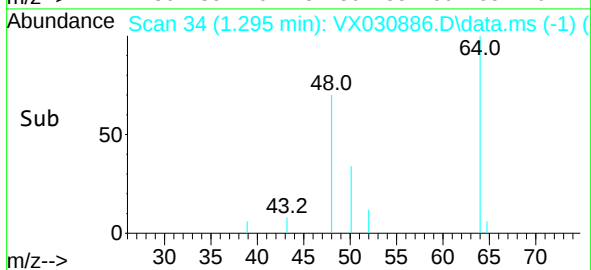
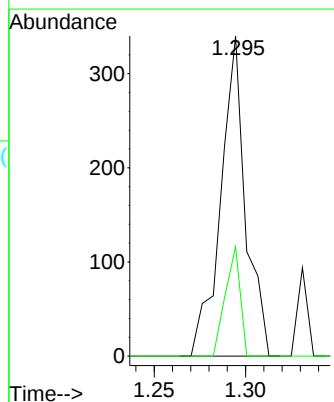
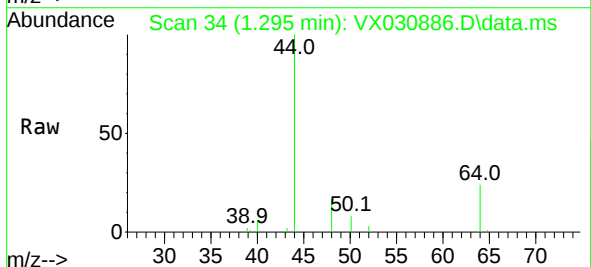
Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01D2-20220821

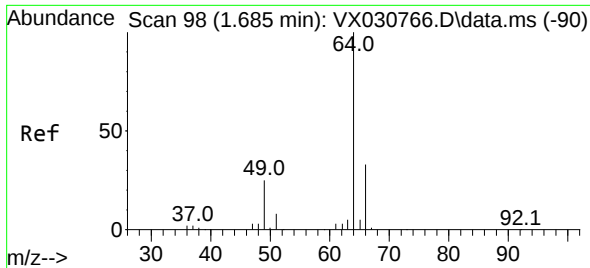
Tgt Ion:168 Resp: 198485
Ion Ratio Lower Upper
168 100
99 60.3 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX030886.D
Acq: 27 Aug 2022 21:22

Tgt Ion: 50 Resp: 322
Ion Ratio Lower Upper
50 100
52 34.1 26.3 39.5

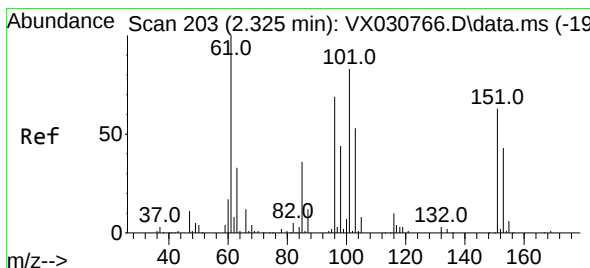
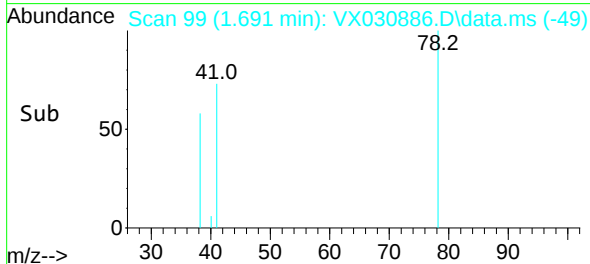
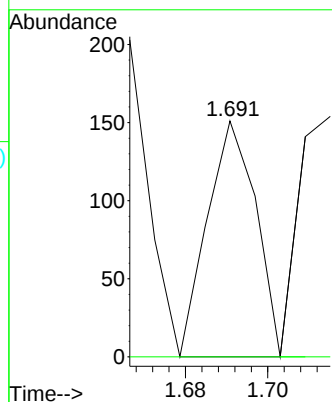
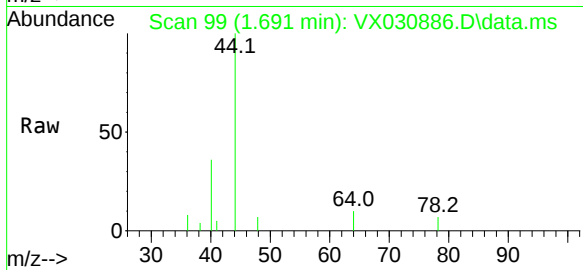




#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX030886.D
Acq: 27 Aug 2022 21:22

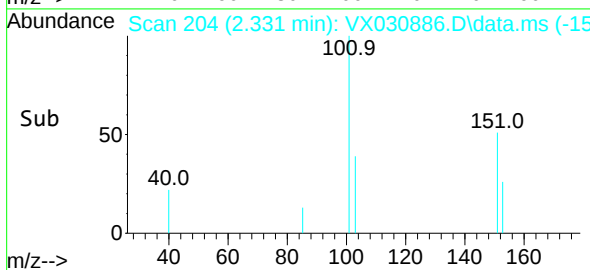
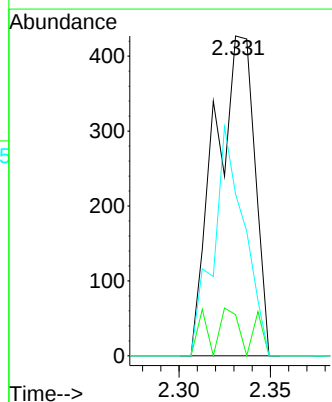
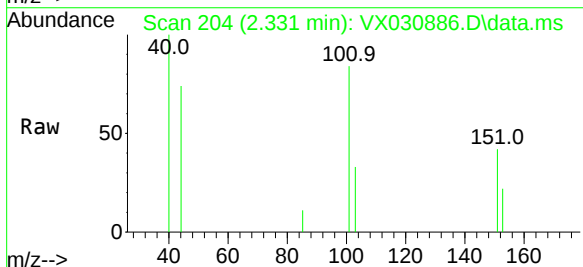
Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01D2-20220821

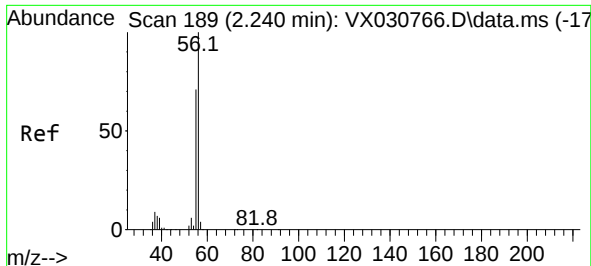
Tgt Ion: 64 Resp: 123
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.335 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX030886.D
Acq: 27 Aug 2022 21:22

Tgt Ion: 101 Resp: 648
Ion Ratio Lower Upper
101 100
85 13.6 34.0 51.0#
151 55.6 59.4 89.0#

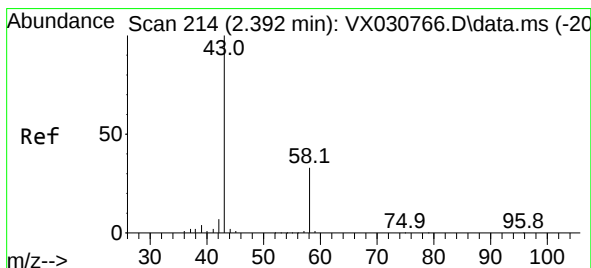
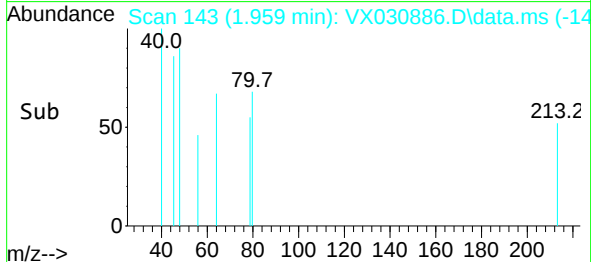
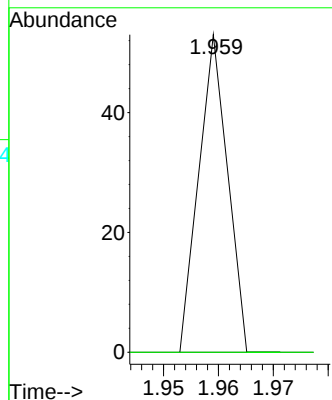
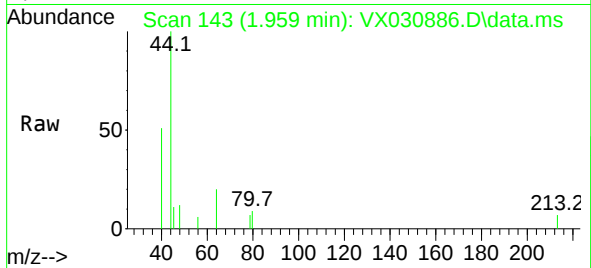




#13
Acrolein
Concen: 10.093 ug/l
RT: 1.959 min Scan# 14
Delta R.T. -0.281 min
Lab File: VX030886.D
Acq: 27 Aug 2022 21:22

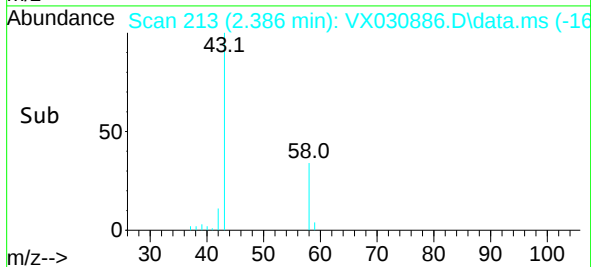
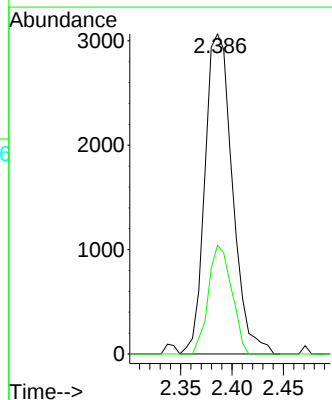
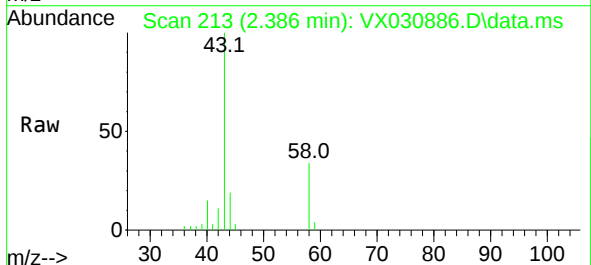
Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01D2-20220821

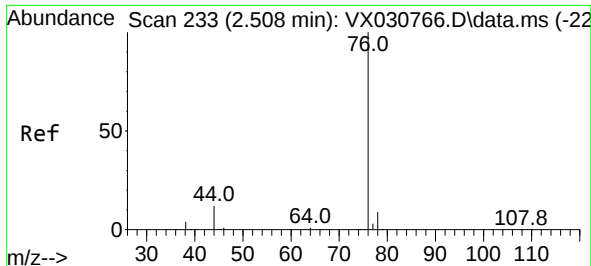
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#16
Acetone
Concen: 5.283 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX030886.D
Acq: 27 Aug 2022 21:22

Tgt Ion: 43 Resp: 5700
Ion Ratio Lower Upper
43 100
58 34.0 27.7 41.5





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.508 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX030886.D

Acq: 27 Aug 2022 21:22

Instrument :

MSVOA_X

ClientSampleId :

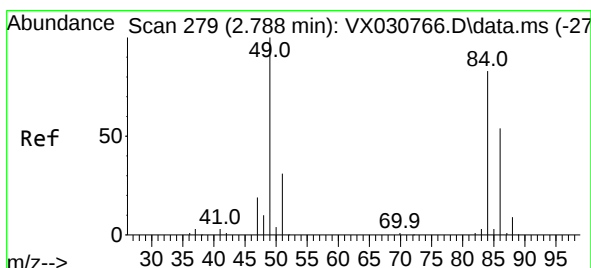
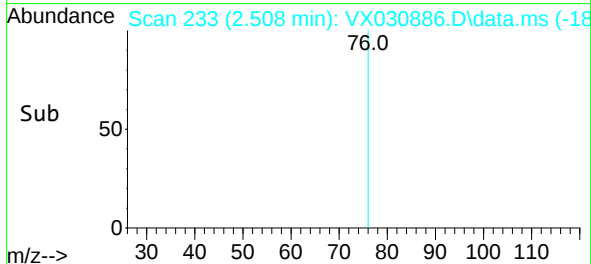
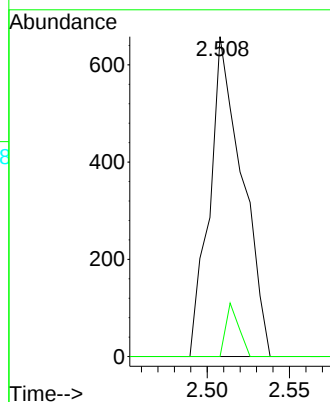
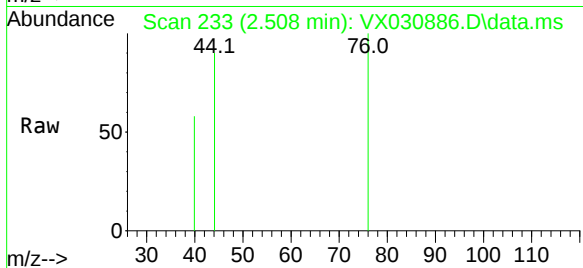
RW9-MW01D2-20220821

Tgt Ion: 76 Resp: 907

Ion Ratio Lower Upper

76 100

78 0.0 7.8 11.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX030886.D

Acq: 27 Aug 2022 21:22

Tgt Ion: 84 Resp: 360

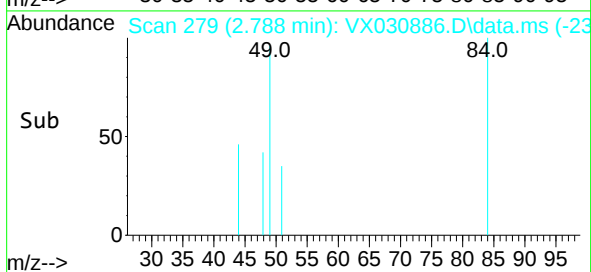
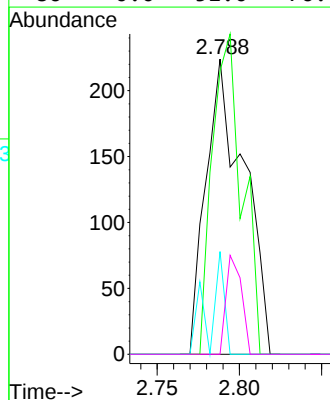
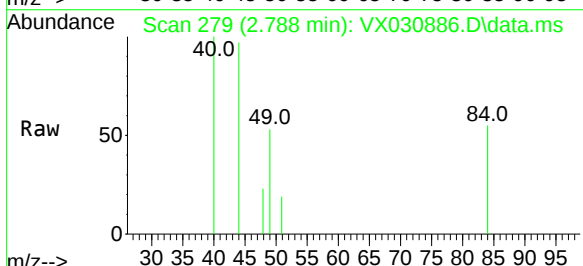
Ion Ratio Lower Upper

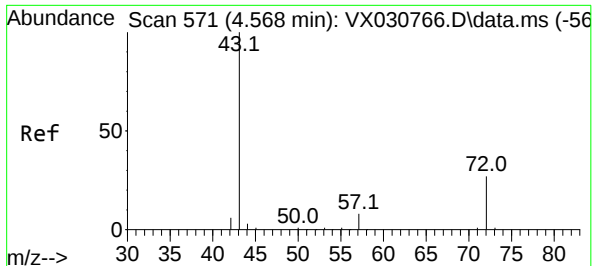
84 100

49 96.0 93.8 140.6

51 34.8 29.4 44.0

86 0.0 51.0 76.4#





#25

2-Butanone

Concen: 0.372 ug/l

RT: 4.599 min Scan# 5

Delta R.T. 0.031 min

Lab File: VX030886.D

Acq: 27 Aug 2022 21:22

Instrument :

MSVOA_X

ClientSampleId :

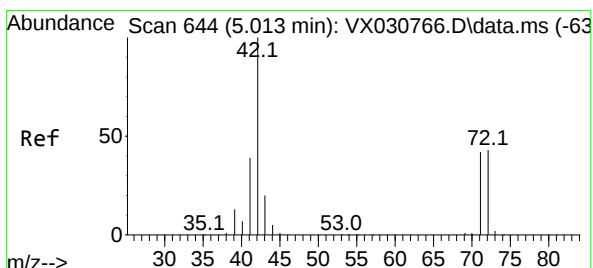
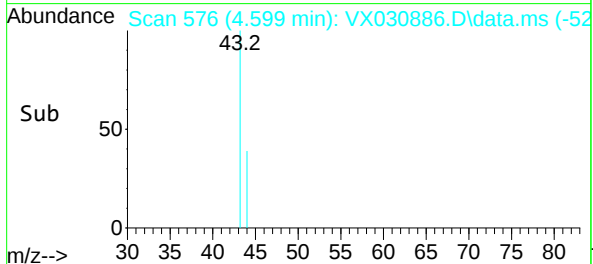
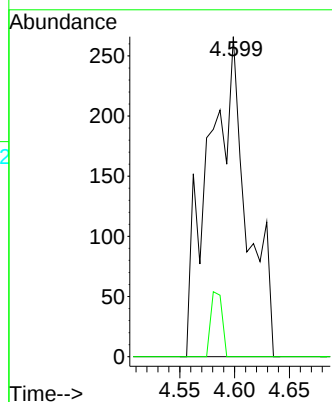
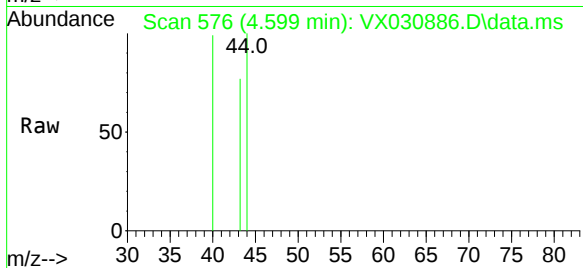
RW9-MW01D2-20220821

Tgt Ion: 43 Resp: 647

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#29

Tetrahydrofuran

Concen: 18.733 ug/l

RT: 5.026 min Scan# 646

Delta R.T. 0.013 min

Lab File: VX030886.D

Acq: 27 Aug 2022 21:22

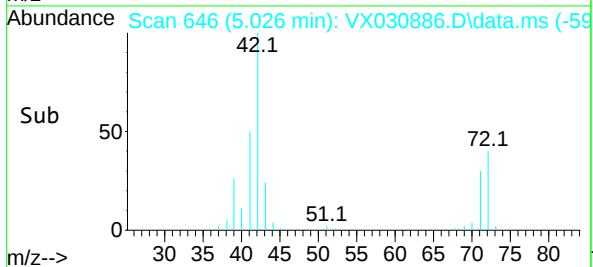
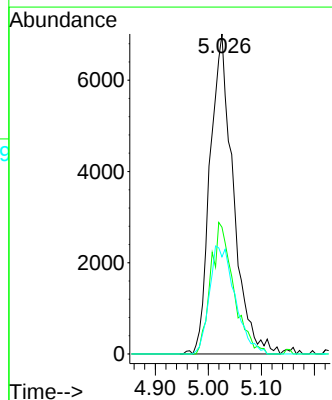
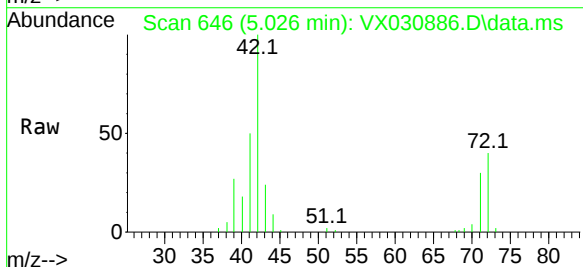
Tgt Ion: 42 Resp: 21249

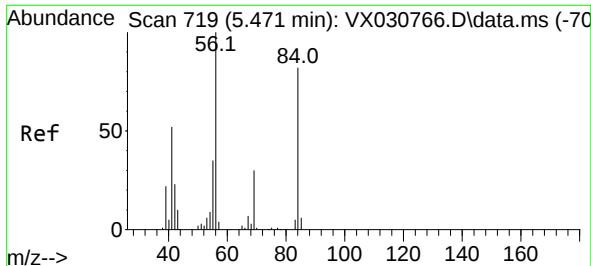
Ion Ratio Lower Upper

42 100

72 40.6 36.5 54.7

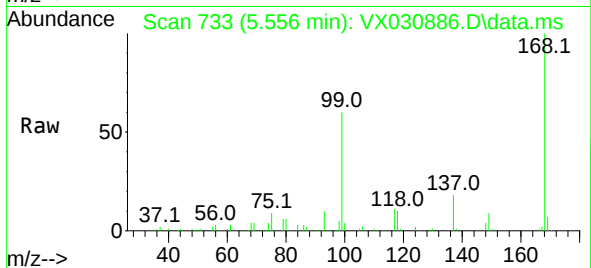
71 37.2 33.9 50.9



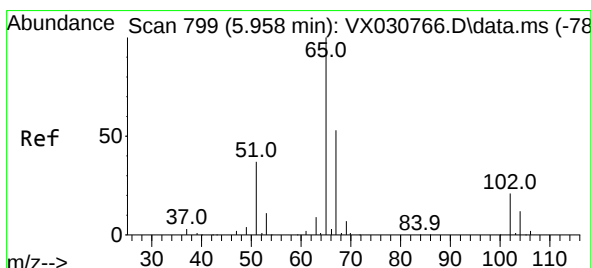
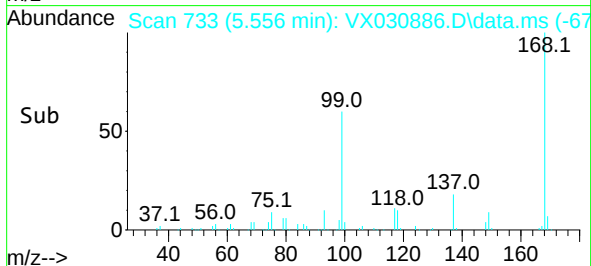
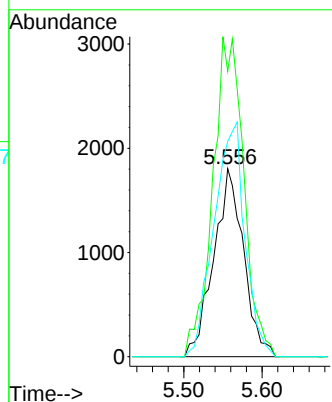


#31
Cyclohexane
Concen: 1.598 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX030886.D
Acq: 27 Aug 2022 21:22

Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01D2-20220821

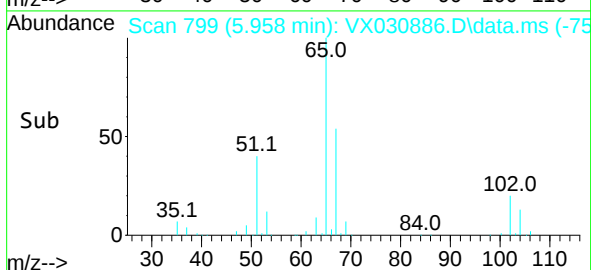
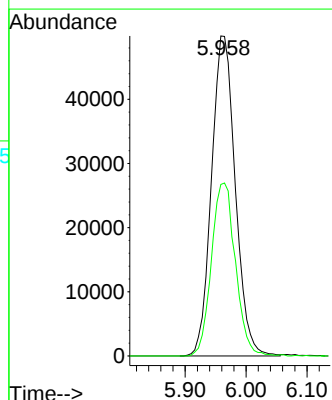
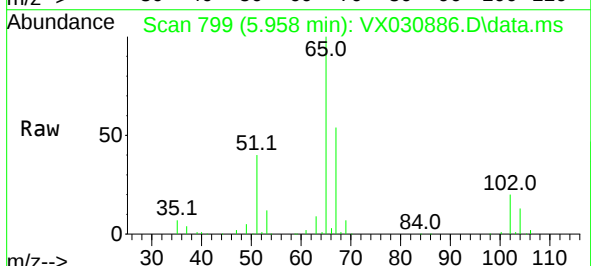


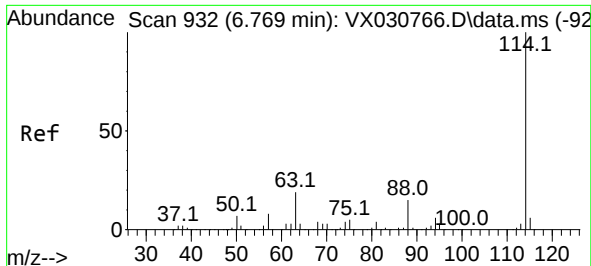
Tgt Ion: 56 Resp: 4770
Ion Ratio Lower Upper
56 100
69 151.8 25.4 38.0#
84 114.5 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 57.944 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX030886.D
Acq: 27 Aug 2022 21:22

Tgt Ion: 65 Resp: 135283
Ion Ratio Lower Upper
65 100
67 54.4 0.0 109.6

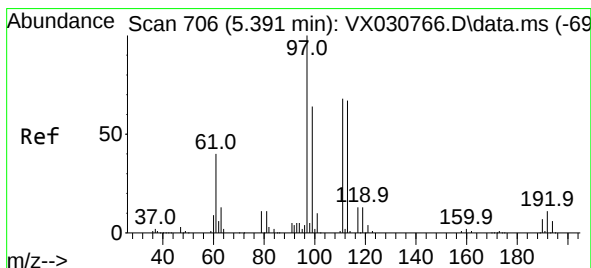
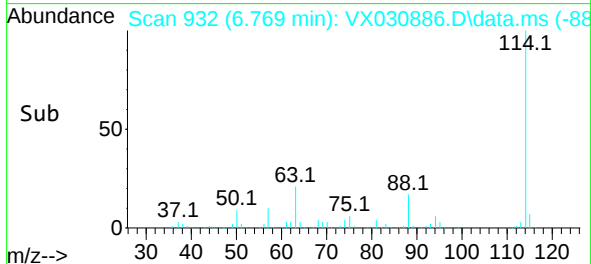
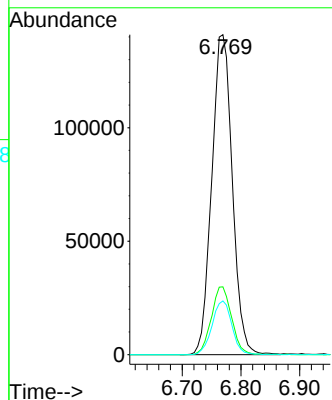
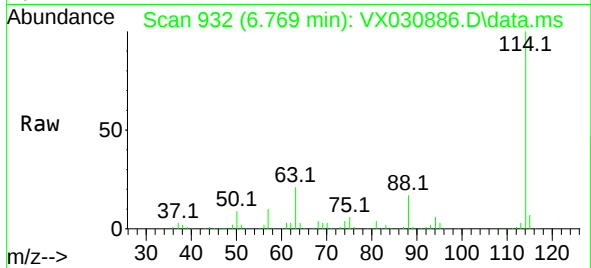




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX030886.D
Acq: 27 Aug 2022 21:22

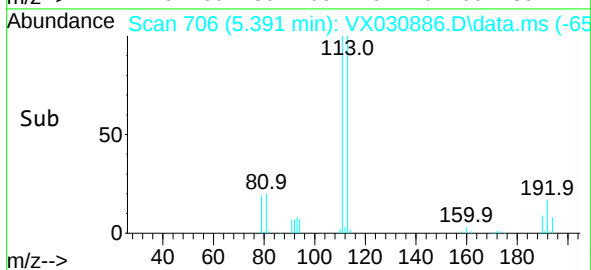
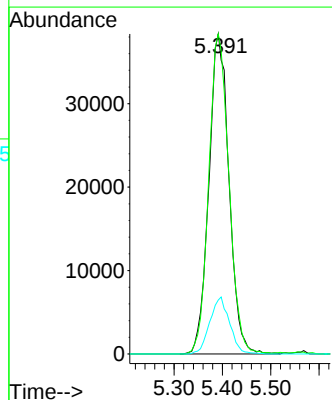
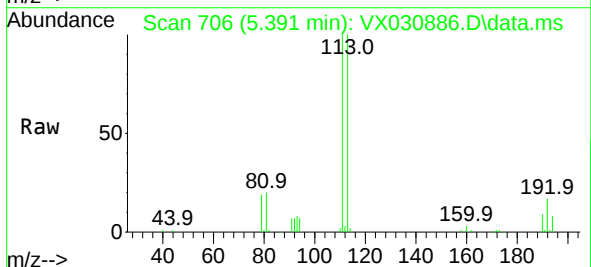
Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01D2-20220821

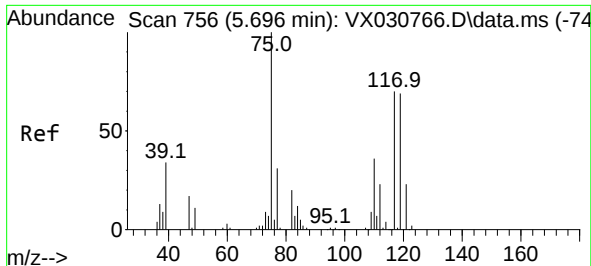
Tgt Ion:114 Resp: 342791
Ion Ratio Lower Upper
114 100
63 21.2 0.0 38.4
88 16.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.644 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030886.D
Acq: 27 Aug 2022 21:22

Tgt Ion:113 Resp: 110908
Ion Ratio Lower Upper
113 100
111 100.2 83.2 124.8
192 17.5 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.871 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX030886.D

Acq: 27 Aug 2022 21:22

Instrument :

MSVOA_X

ClientSampleId :

RW9-MW01D2-20220821

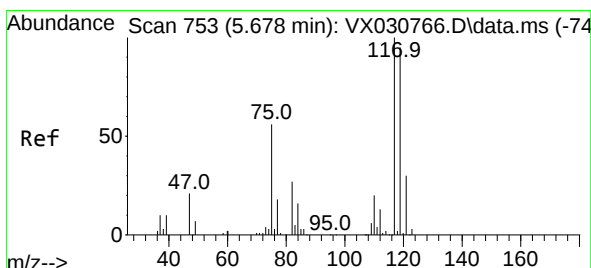
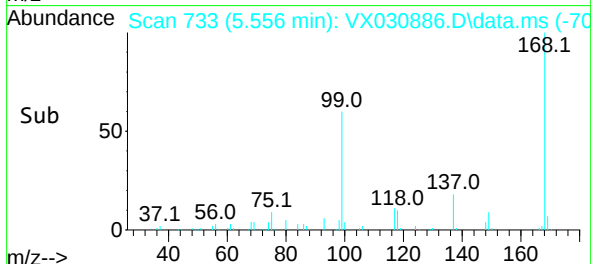
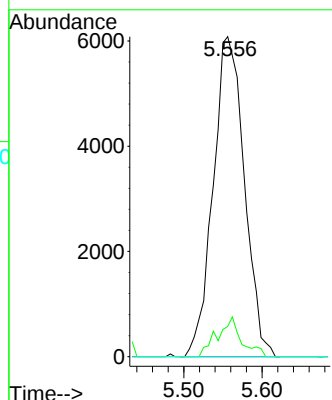
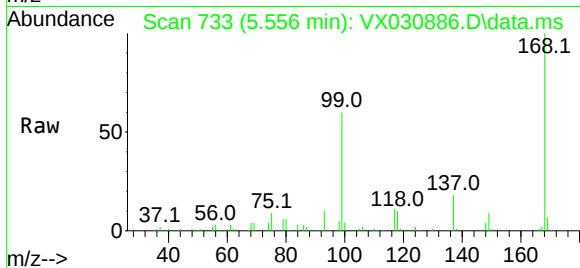
Tgt Ion: 75 Resp: 16842

Ion Ratio Lower Upper

75 100

110 9.6 19.3 57.9#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 7.287 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.116 min

Lab File: VX030886.D

Acq: 27 Aug 2022 21:22

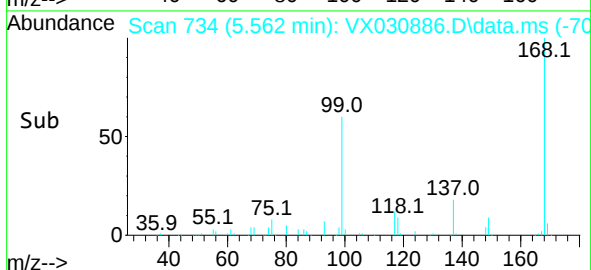
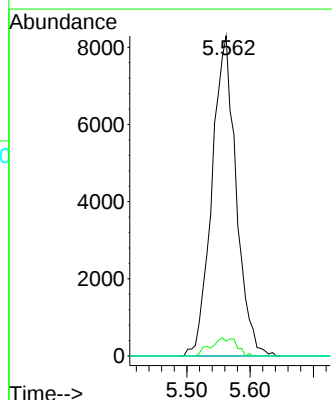
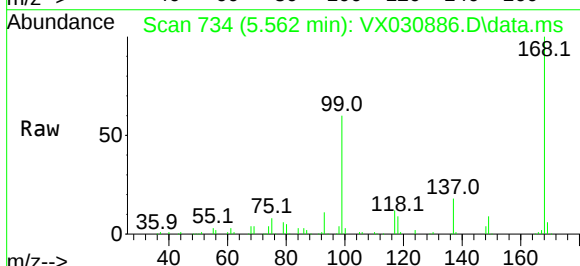
Tgt Ion: 117 Resp: 22051

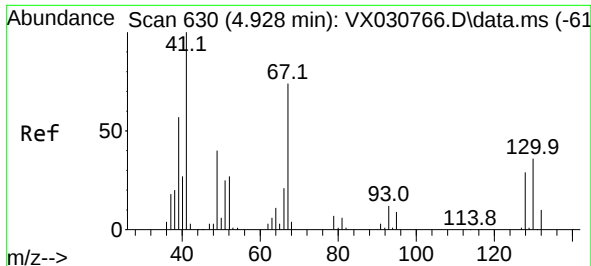
Ion Ratio Lower Upper

117 100

119 4.6 74.1 111.1#

121 0.0 25.8 38.8#

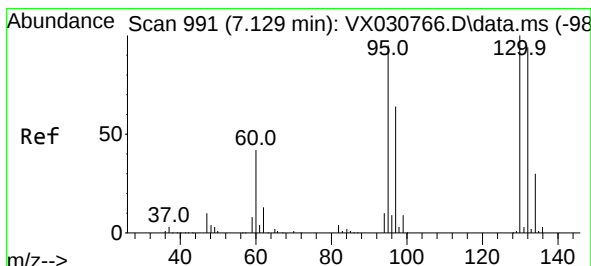
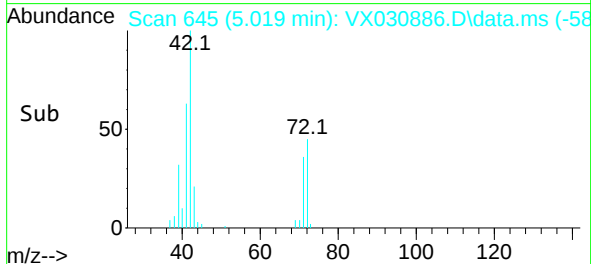
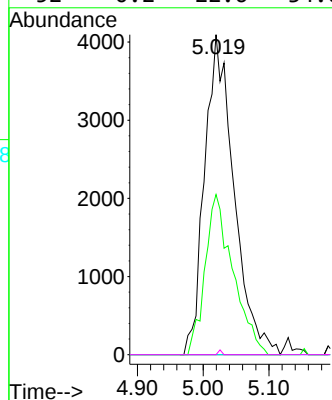
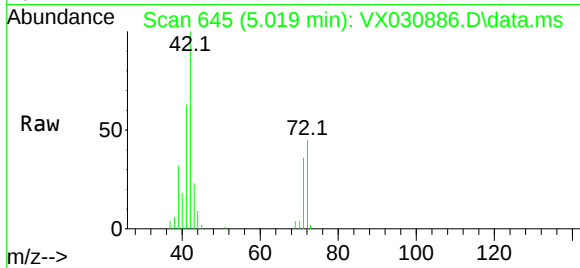




#41
Methacrylonitrile
Concen: 6.696 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.091 min
Lab File: VX030886.D
Acq: 27 Aug 2022 21:22

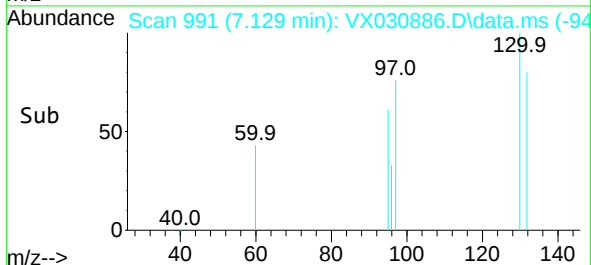
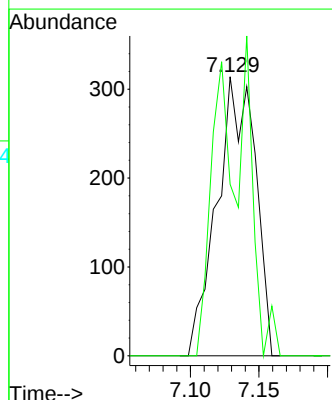
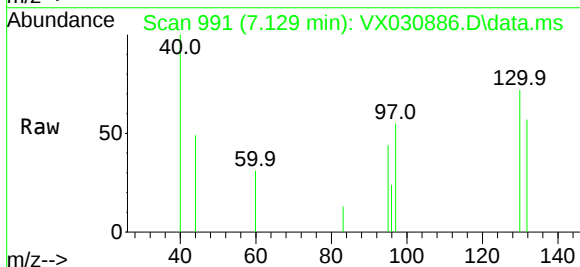
Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01D2-20220821

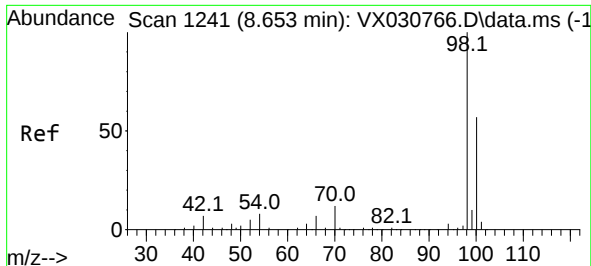
Tgt Ion: 41	Resp: 12713
Ion Ratio	Lower Upper
41 100	
39 47.6	42.9 64.3
67 0.0	60.1 90.1#
52 0.2	22.6 34.0#



#44
Trichloroethene
Concen: 0.246 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030886.D
Acq: 27 Aug 2022 21:22

Tgt Ion: 130	Resp: 611
Ion Ratio	Lower Upper
130 100	
95 61.5	0.0 194.8

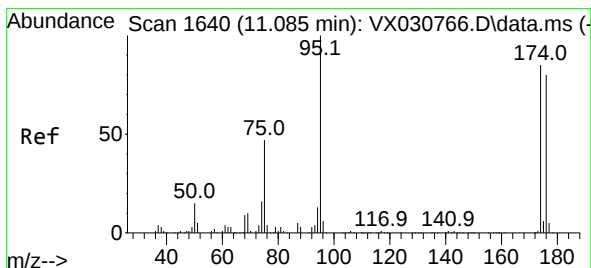
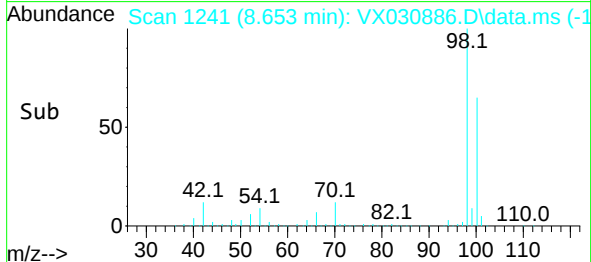
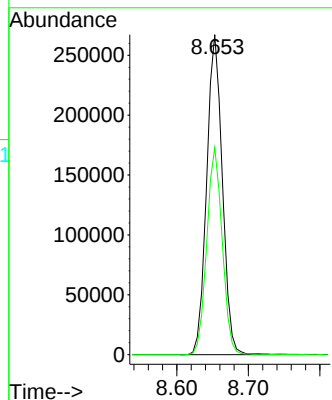
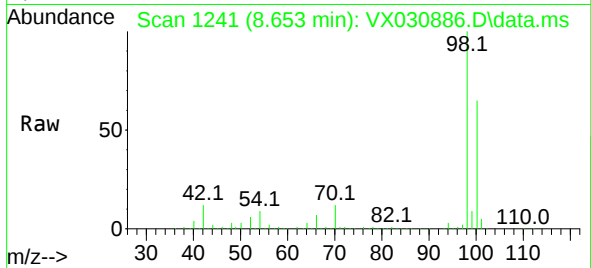




#50
Toluene-d8
Concen: 55.390 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX030886.D
Acq: 27 Aug 2022 21:22

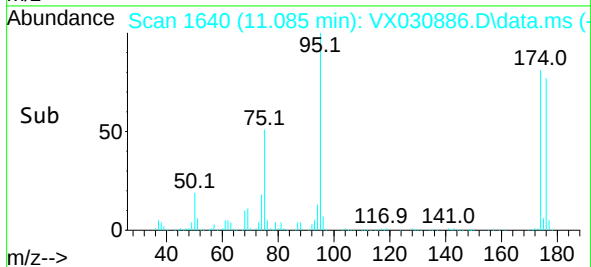
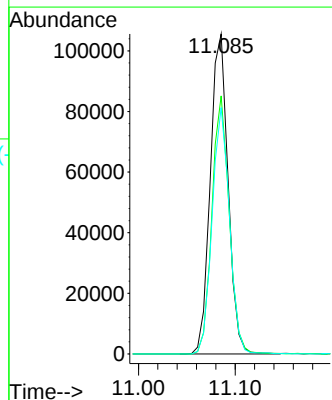
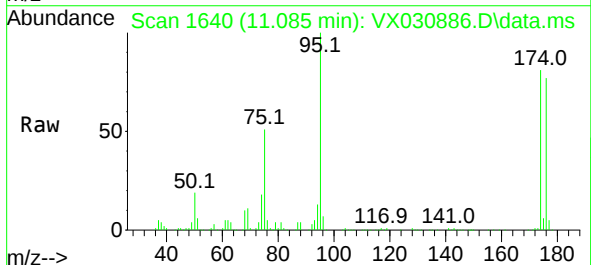
Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01D2-20220821

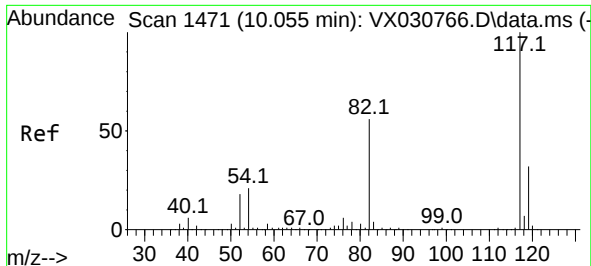
Tgt Ion: 98 Resp: 406633
Ion Ratio Lower Upper
98 100
100 64.0 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 49.338 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030886.D
Acq: 27 Aug 2022 21:22

Tgt Ion: 95 Resp: 134849
Ion Ratio Lower Upper
95 100
174 78.0 0.0 149.0
176 75.3 0.0 146.0

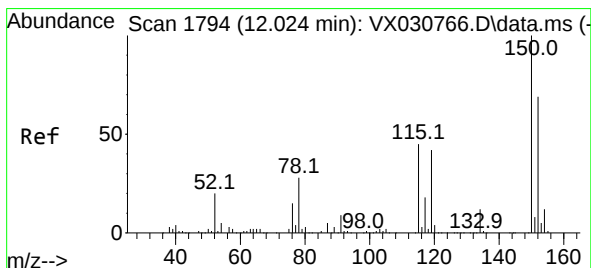
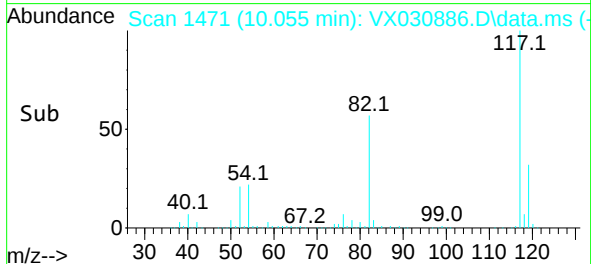
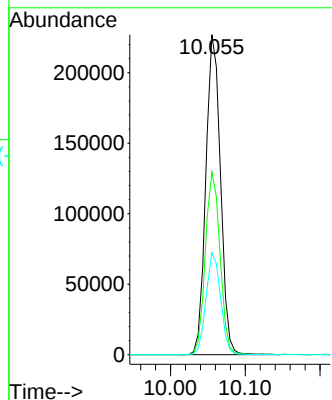
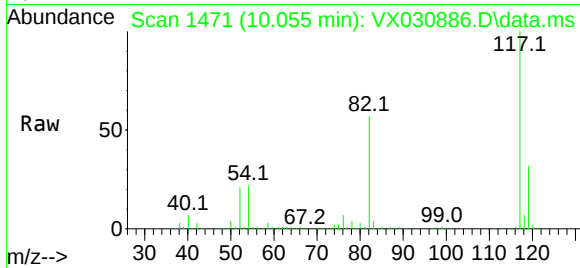




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030886.D
Acq: 27 Aug 2022 21:22

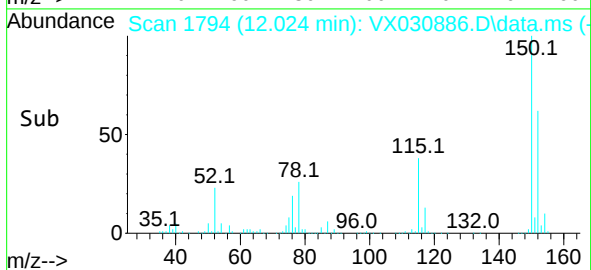
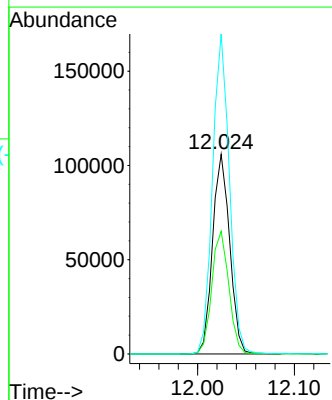
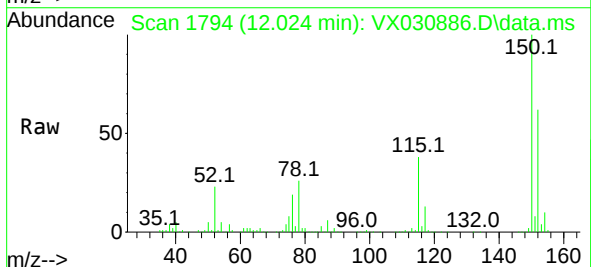
Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01D2-20220821

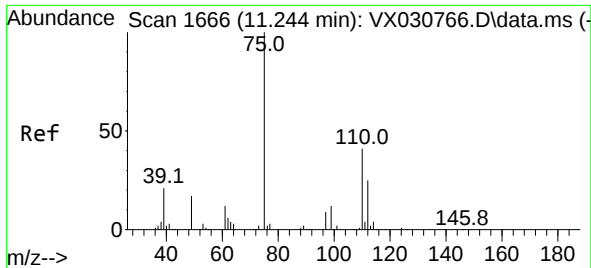
Tgt Ion:117 Resp: 309600
Ion Ratio Lower Upper
117 100
82 57.1 42.7 64.1
119 31.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030886.D
Acq: 27 Aug 2022 21:22

Tgt Ion:152 Resp: 130621
Ion Ratio Lower Upper
152 100
115 61.2 40.5 121.5
150 157.3 0.0 347.0

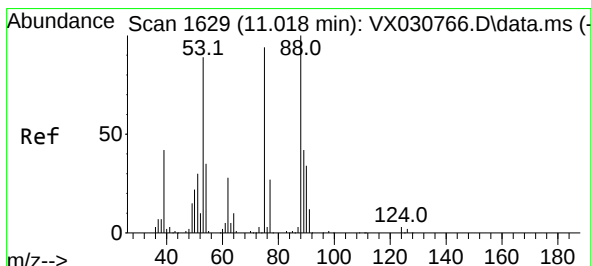
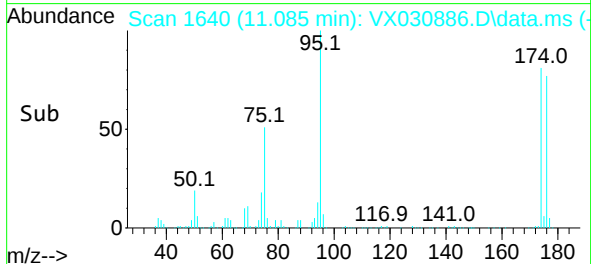
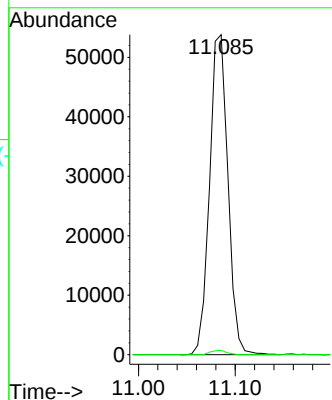
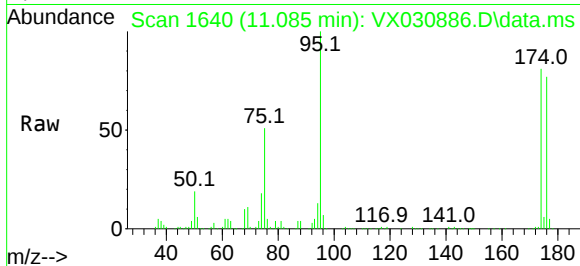




#76
1,2,3-Trichloropropane
Concen: 24.827 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030886.D
Acq: 27 Aug 2022 21:22

Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01D2-20220821

Tgt Ion: 75 Resp: 71049
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.103 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX030886.D
Acq: 27 Aug 2022 21:22

Tgt Ion: 75 Resp: 71049
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.8 52.2#

