

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040524\
 Data File : VX040900.D
 Acq On : 05 Apr 2024 13:53
 Operator : JC/MD
 Sample : P2002-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-06B-21-040424

Quant Time: Apr 05 23:20:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040124W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 02 05:40:55 2024
 Response via : Initial Calibration

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

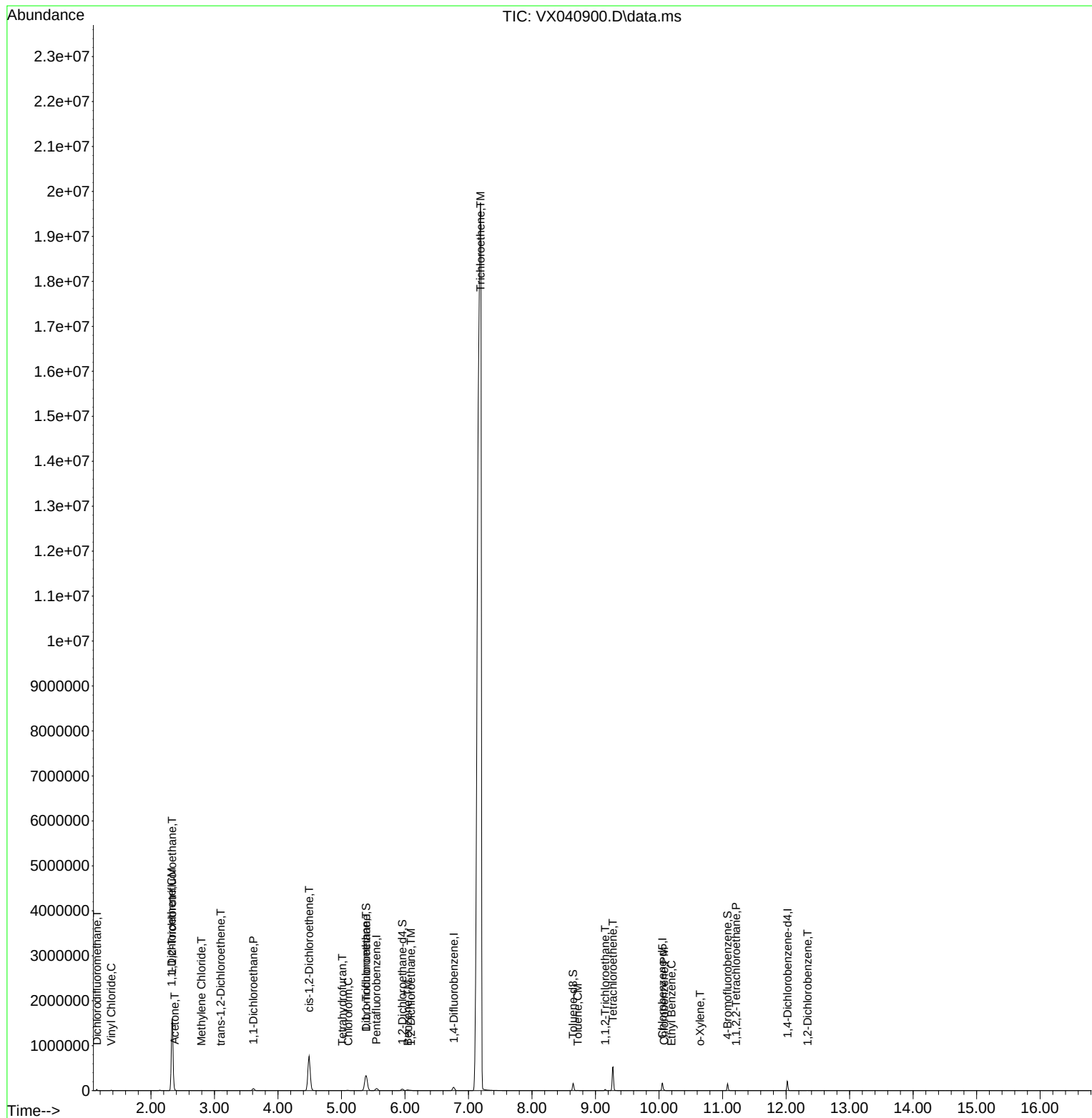
Internal Standards						
1) Pentafluorobenzene	5.550	168	40646	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	75003	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	71288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	38038	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	35946	49.288	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.580%
35) Dibromofluoromethane	5.385	113	26348	49.597	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.200%
50) Toluene-d8	8.647	98	88656	46.184	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.360%
62) 4-Bromofluorobenzene	11.079	95	37076	48.364	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.720%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.148	85	2587	4.696	ug/l	94
4) Vinyl Chloride	1.374	62	5286	10.759	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	578274	1192.724	ug/l	98
12) 1,1-Dichloroethene	2.325	96	49418	108.676	ug/l	96
16) Acetone	2.374	43	1286	4.541	ug/l #	85
20) Methylene Chloride	2.794	84	1774	3.380	ug/l	90
21) trans-1,2-Dichloroethene	3.099	96	1433	2.984	ug/l #	77
24) 1,1-Dichloroethane	3.611	63	51109	56.431	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	433870	782.285	ug/l	89
29) Tetrahydrofuran	5.013	42	2957	10.815	ug/l #	90
30) Chloroform	5.105	83	10028	10.172	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	295116	336.887	ug/l	97
40) Benzene	6.044	78	18892	9.017	ug/l	97
42) 1,2-Dichloroethane	6.092	62	9153	10.059	ug/l	95
44) Trichloroethene	7.190	130	13278662	25377.275	ug/l	98
52) Toluene	8.720	92	1850	1.399	ug/l	86
55) 1,1,2-Trichloroethane	9.153	97	6240	12.096	ug/l	92
64) Tetrachloroethene	9.275	164	88272	187.114	ug/l	99
65) Chlorobenzene	10.079	112	6081	3.900	ug/l	97
67) Ethyl Benzene	10.195	91	955	0.343	ug/l	92
69) o-Xylene	10.646	106	384	0.403	ug/l	62
75) 1,1,2,2-Tetrachloroethane	11.213	83	1065	1.172	ug/l	99
91) 1,2-Dichlorobenzene	12.341	146	1136	0.920	ug/l	91

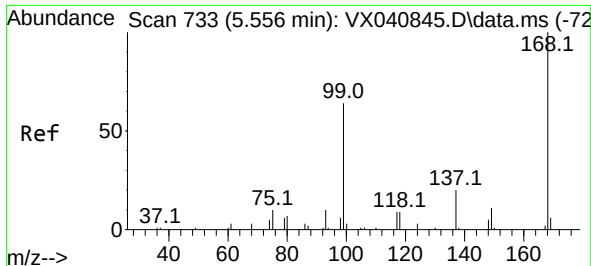
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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RMW-06B-21-040424

Quant Time: Apr 05 23:20:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040124W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 02 05:40:55 2024
Response via : Initial Calibration

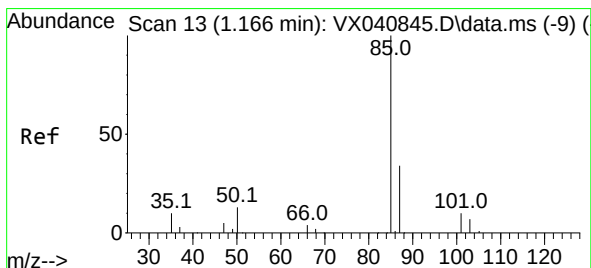
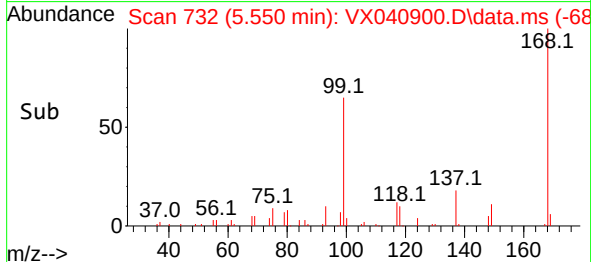
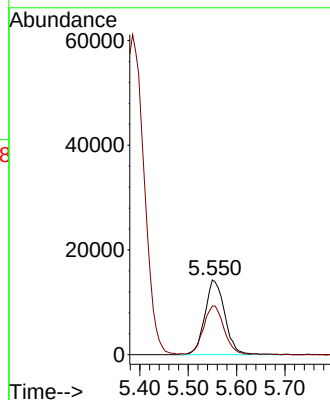
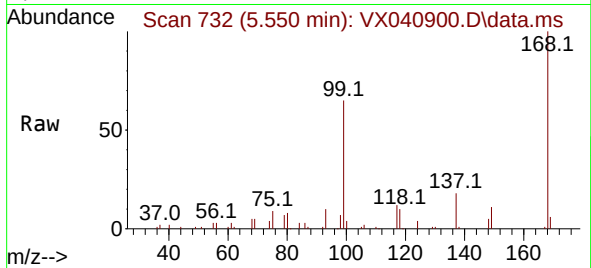




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX040900.D
Acq: 05 Apr 2024 13:53

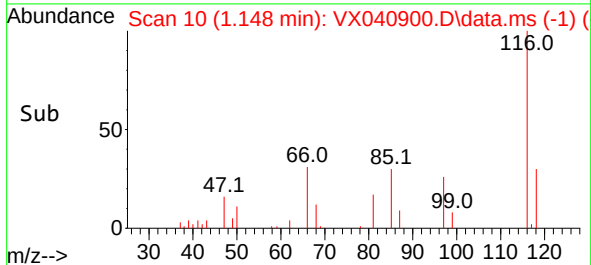
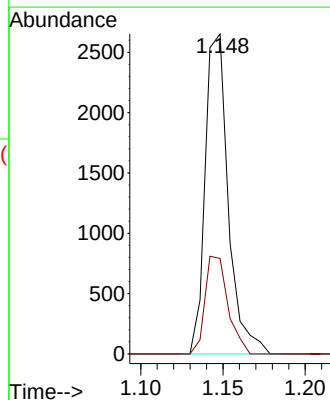
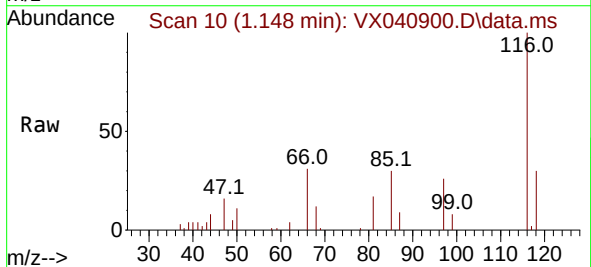
Instrument :
MSVOA_X
ClientSampleId :
RMW-06B-21-040424

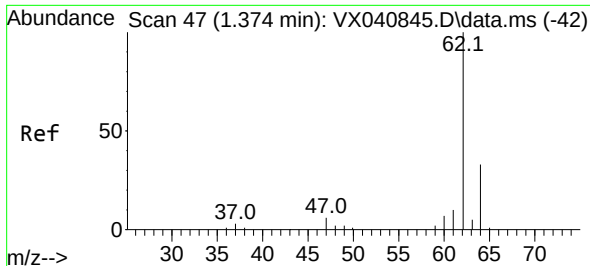
Tgt Ion:168 Resp: 40646
Ion Ratio Lower Upper
168 100
99 65.2 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 4.696 ug/l
RT: 1.148 min Scan# 10
Delta R.T. -0.018 min
Lab File: VX040900.D
Acq: 05 Apr 2024 13:53

Tgt Ion: 85 Resp: 2587
Ion Ratio Lower Upper
85 100
87 29.9 16.7 50.1

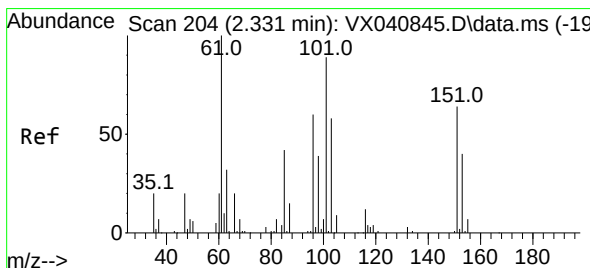
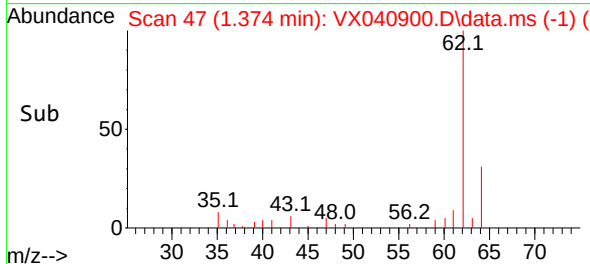
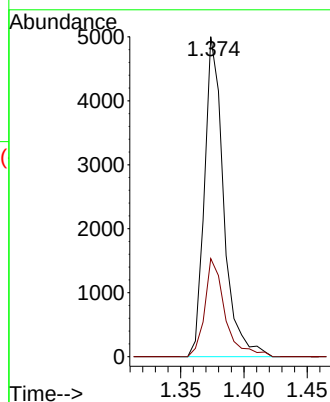
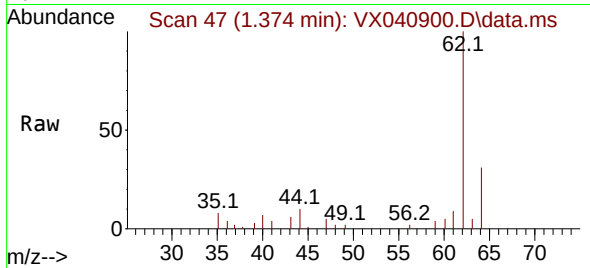




#4
 Vinyl Chloride
 Concen: 10.759 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX040900.D
 Acq: 05 Apr 2024 13:53

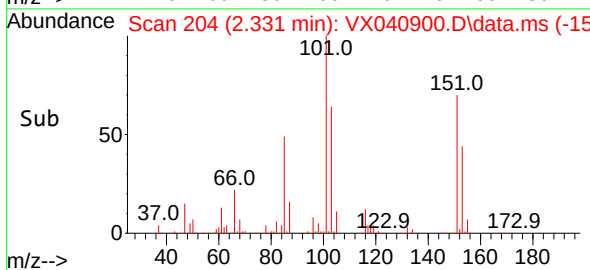
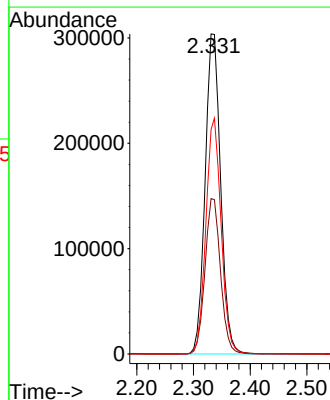
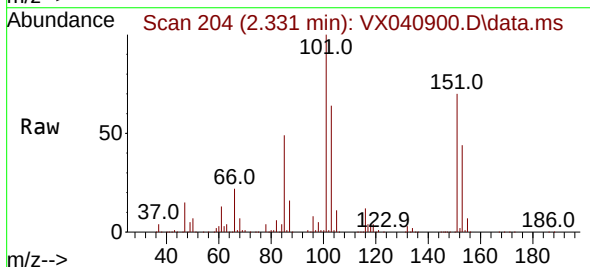
Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-06B-21-040424

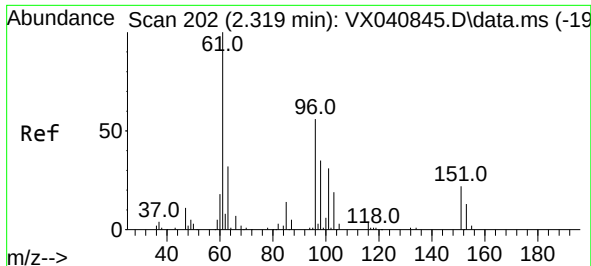
Tgt Ion: 62 Resp: 5286
 Ion Ratio Lower Upper
 62 100
 64 30.6 25.4 38.0



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1192.724 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. 0.000 min
 Lab File: VX040900.D
 Acq: 05 Apr 2024 13:53

Tgt Ion: 101 Resp: 578274
 Ion Ratio Lower Upper
 101 100
 85 48.5 37.0 55.6
 151 72.4 58.6 87.8





#12

1,1-Dichloroethene

Concen: 108.676 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX040900.D

Acq: 05 Apr 2024 13:53

Instrument :

MSVOA_X

ClientSampleId :

RMW-06B-21-040424

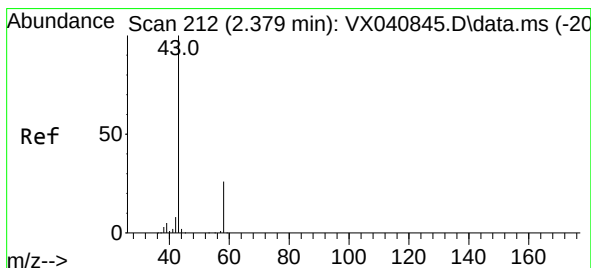
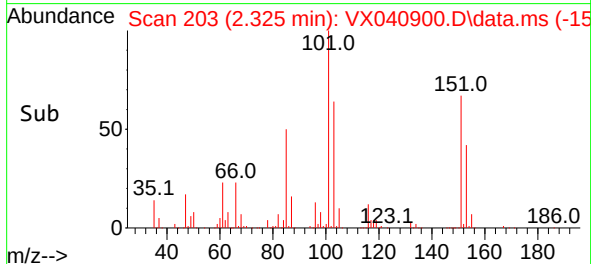
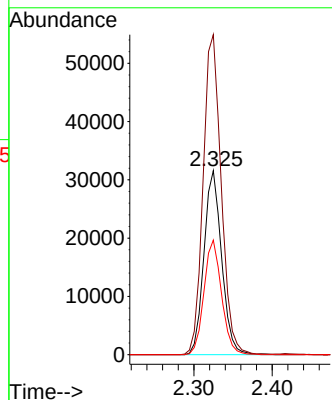
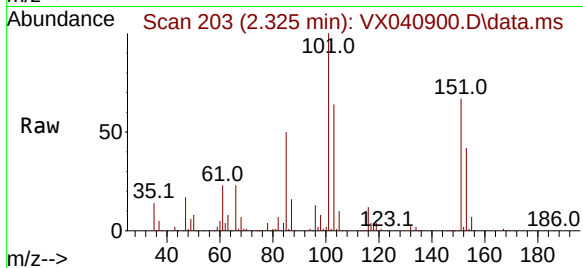
Tgt Ion: 96 Resp: 49418

Ion Ratio Lower Upper

96 100

61 173.9 144.6 216.8

98 62.3 50.4 75.6



#16

Acetone

Concen: 4.541 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.006 min

Lab File: VX040900.D

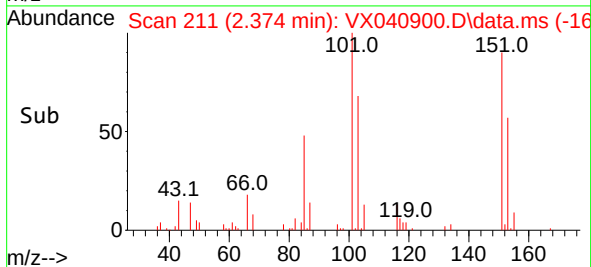
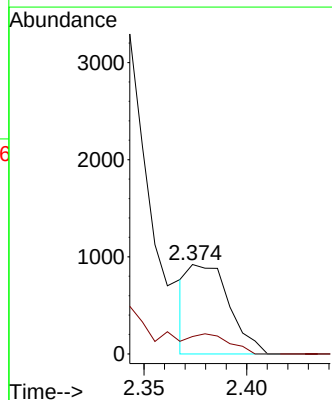
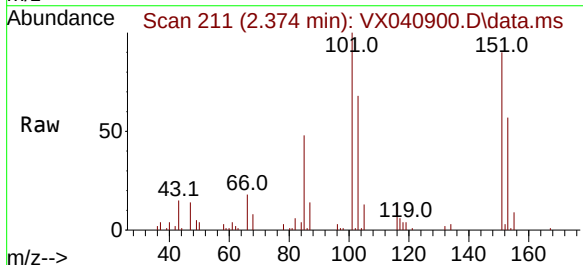
Acq: 05 Apr 2024 13:53

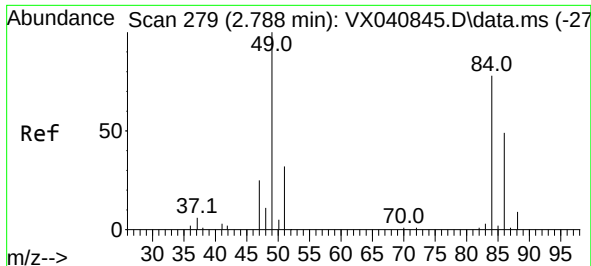
Tgt Ion: 43 Resp: 1286

Ion Ratio Lower Upper

43 100

58 19.6 21.9 32.9#



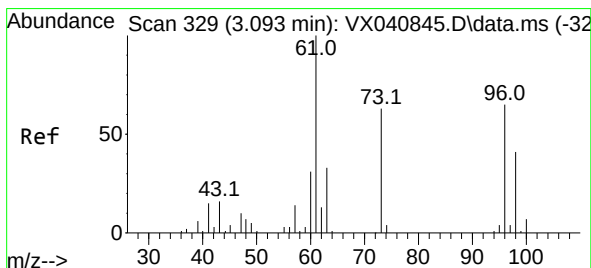
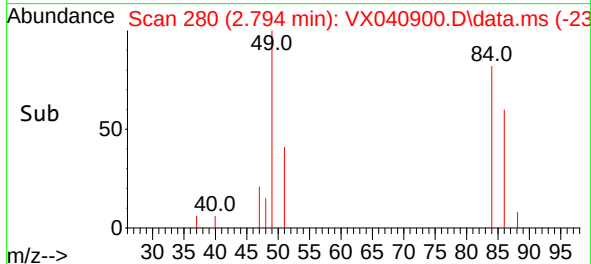
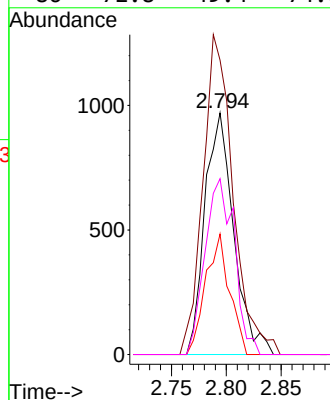
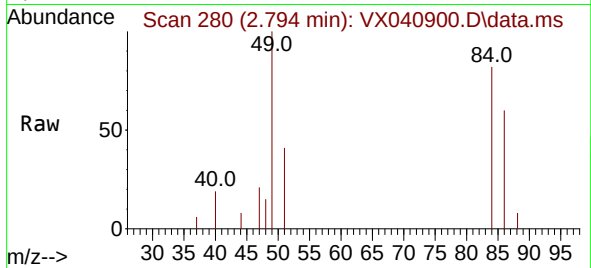


#20
Methylene Chloride
Concen: 3.380 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040900.D
Acq: 05 Apr 2024 13:53

Instrument :
MSVOA_X
ClientSampleId :
RMW-06B-21-040424

Tgt Ion: 84 Resp: 1774

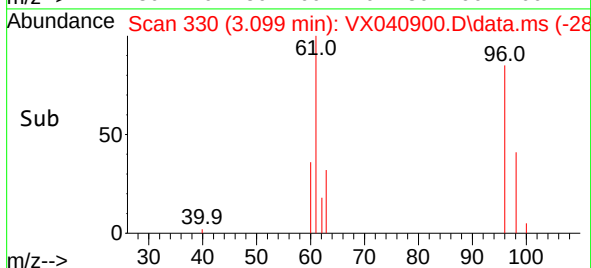
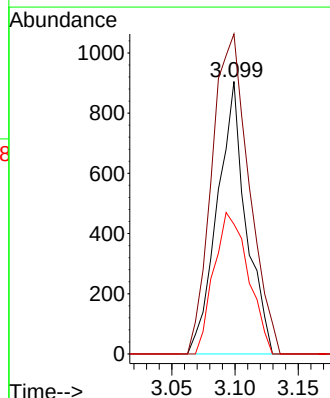
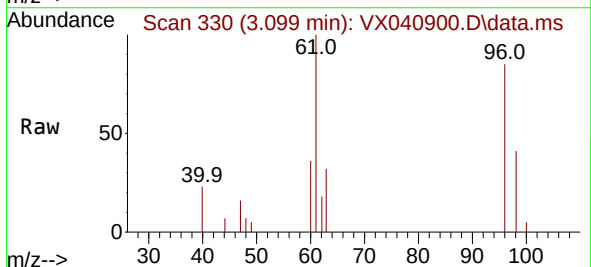
Ion	Ratio	Lower	Upper
84	100		
49	121.9	103.6	155.4
51	49.9	33.8	50.6
86	72.8	49.4	74.0

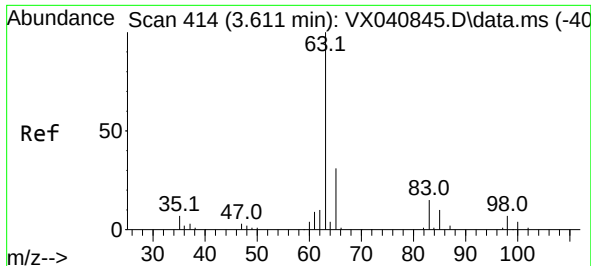


#21
trans-1,2-Dichloroethene
Concen: 2.984 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX040900.D
Acq: 05 Apr 2024 13:53

Tgt Ion: 96 Resp: 1433

Ion	Ratio	Lower	Upper
96	100		
61	117.5	119.2	178.8#
98	47.6	48.7	73.1#

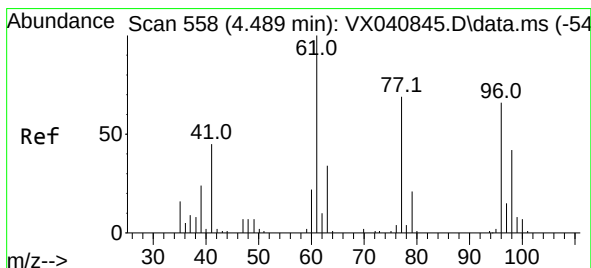
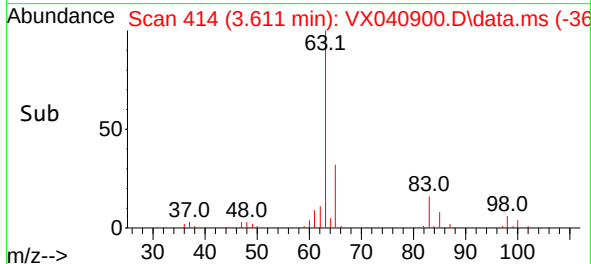
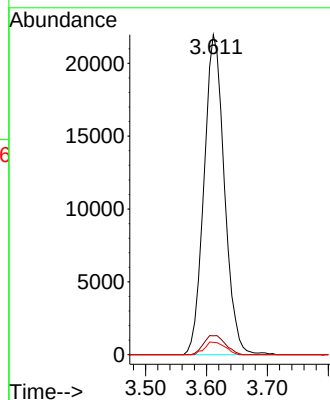
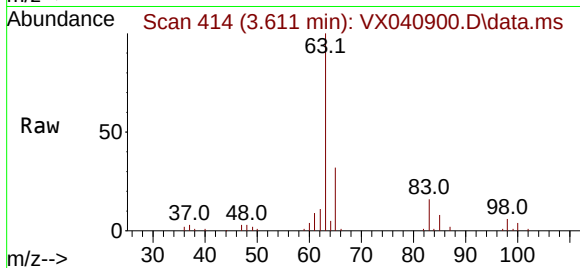




#24
 1,1-Dichloroethane
 Concen: 56.431 ug/l
 RT: 3.611 min Scan# 414
 Delta R.T. 0.000 min
 Lab File: VX040900.D
 Acq: 05 Apr 2024 13:53

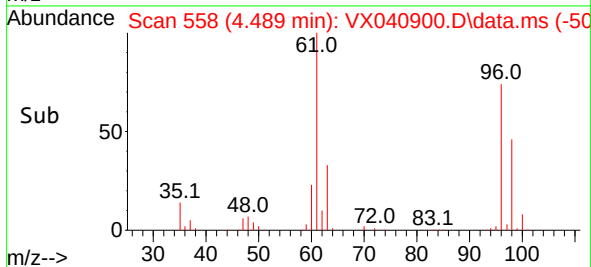
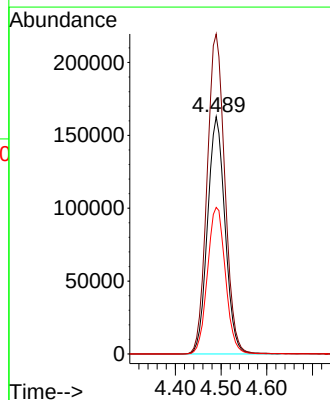
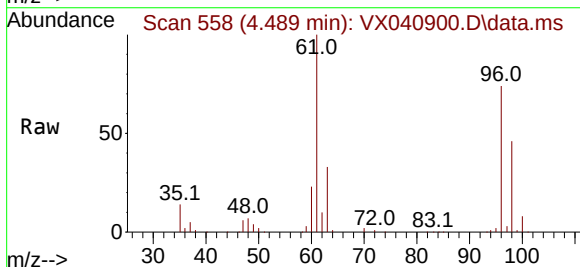
Instrument :
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 ClientSampleId :
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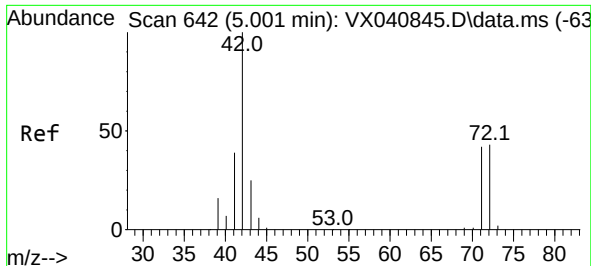
Tgt Ion:	63	Resp:	51109
Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.3	9.8
100	3.8	2.1	6.5



#27
 cis-1,2-Dichloroethene
 Concen: 782.285 ug/l
 RT: 4.489 min Scan# 558
 Delta R.T. 0.000 min
 Lab File: VX040900.D
 Acq: 05 Apr 2024 13:53

Tgt Ion:	96	Resp:	433870
Ion	Ratio	Lower	Upper
96	100		
61	137.0	0.0	312.2
98	63.5	0.0	129.0





#29

Tetrahydrofuran

Concen: 10.815 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX040900.D

Acq: 05 Apr 2024 13:53

Instrument :

MSVOA_X

ClientSampleId :

RMW-06B-21-040424

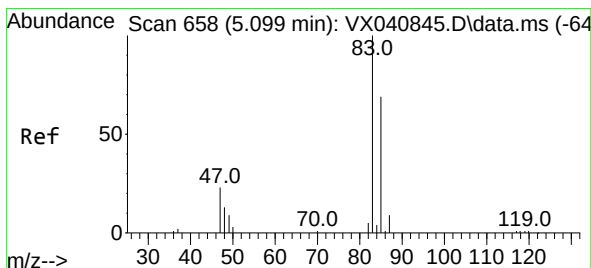
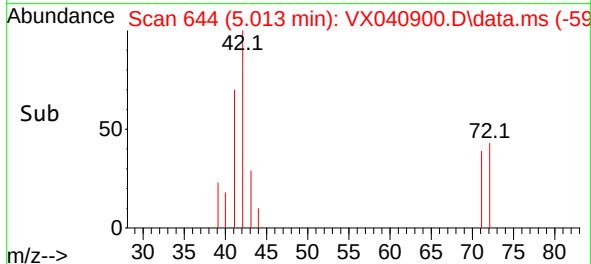
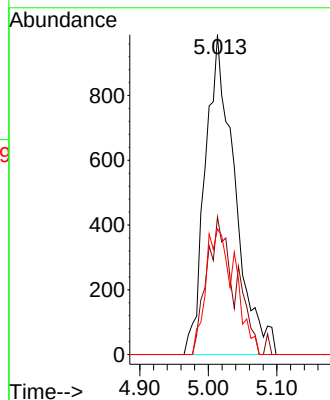
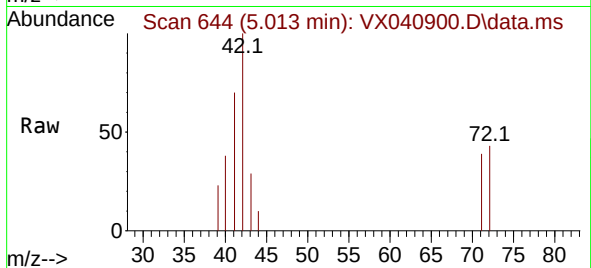
Tgt Ion: 42 Resp: 2957

Ion Ratio Lower Upper

42 100

72 31.8 34.2 51.4#

71 39.3 32.2 48.2



#30

Chloroform

Concen: 10.172 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.006 min

Lab File: VX040900.D

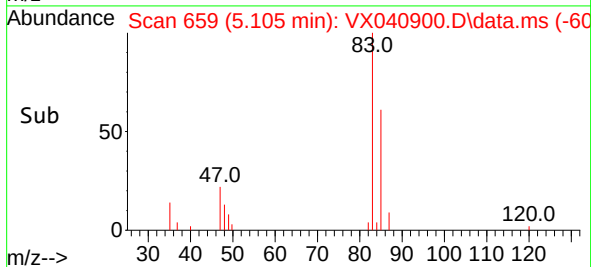
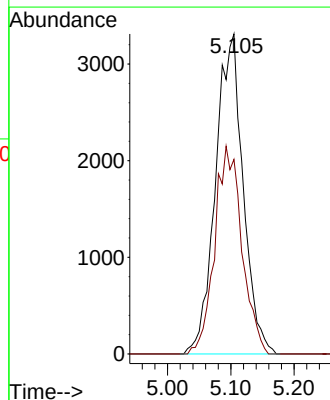
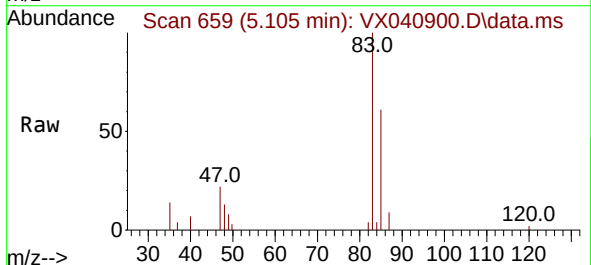
Acq: 05 Apr 2024 13:53

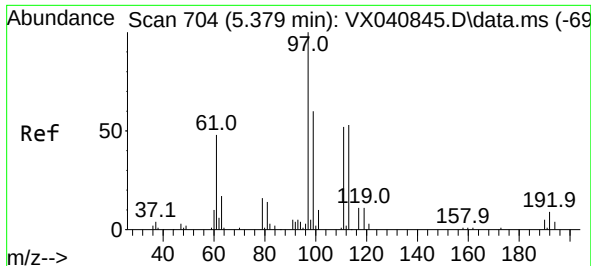
Tgt Ion: 83 Resp: 10028

Ion Ratio Lower Upper

83 100

85 60.8 50.3 75.5

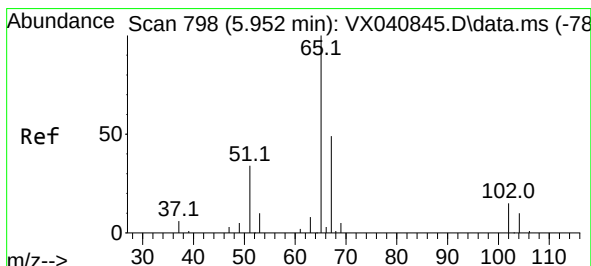
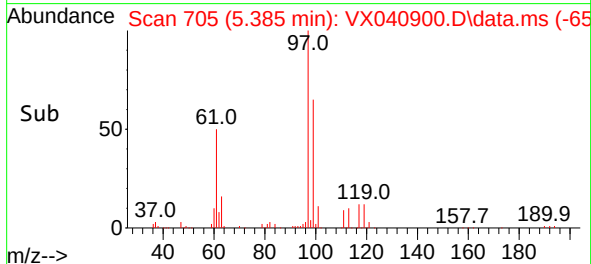
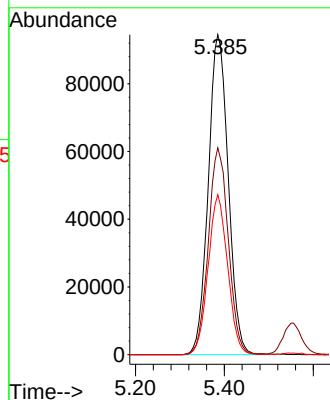
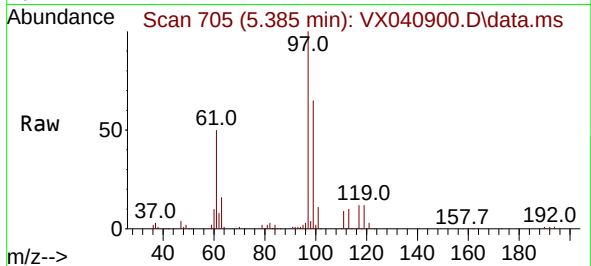




#32
1,1,1-Trichloroethane
Concen: 336.887 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX040900.D
Acq: 05 Apr 2024 13:53

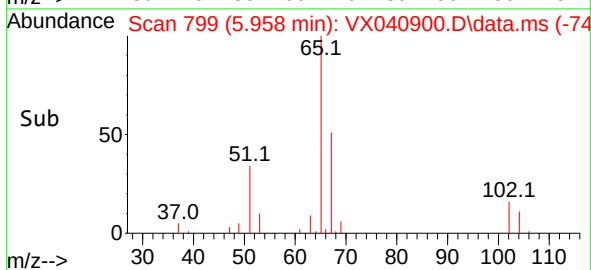
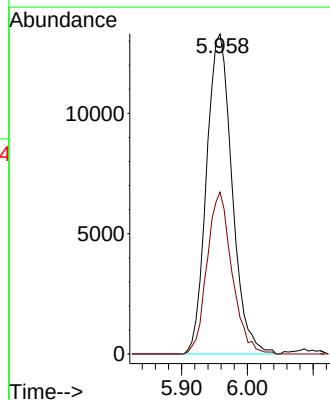
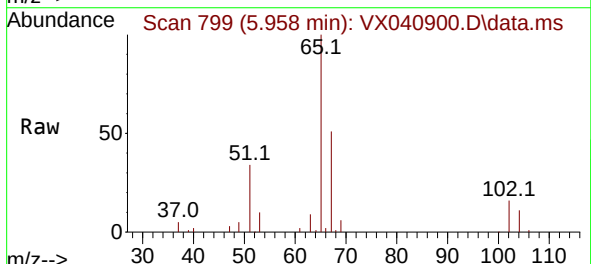
Instrument :
MSVOA_X
ClientSampleId :
RMW-06B-21-040424

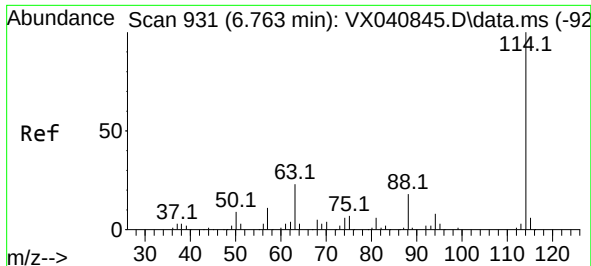
Tgt Ion: 97 Resp: 295116
Ion Ratio Lower Upper
97 100
99 64.8 51.1 76.7
61 49.0 36.4 54.6



#33
1,2-Dichloroethane-d4
Concen: 49.288 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040900.D
Acq: 05 Apr 2024 13:53

Tgt Ion: 65 Resp: 35946
Ion Ratio Lower Upper
65 100
67 49.4 0.0 100.2

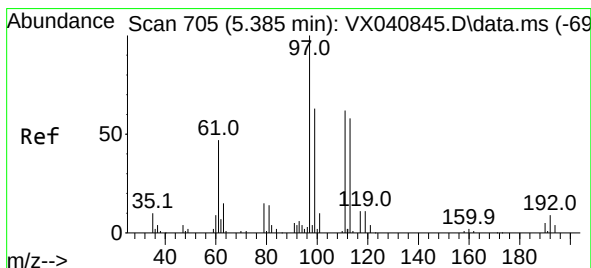
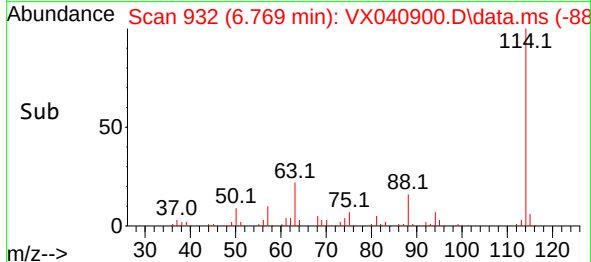
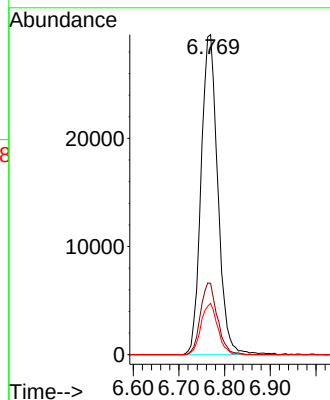
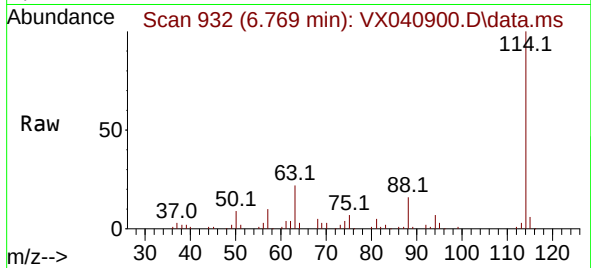




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX040900.D
Acq: 05 Apr 2024 13:53

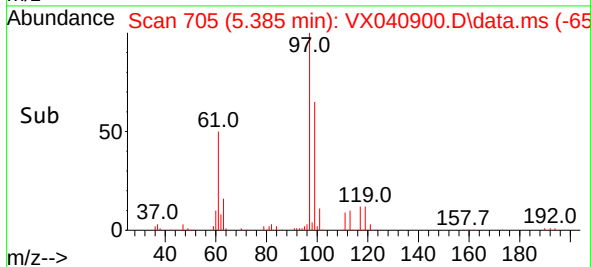
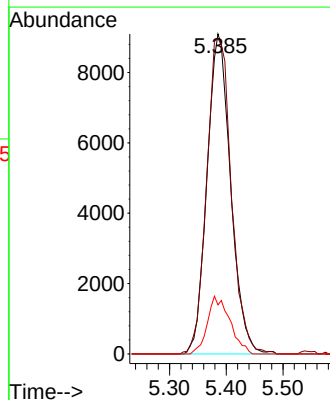
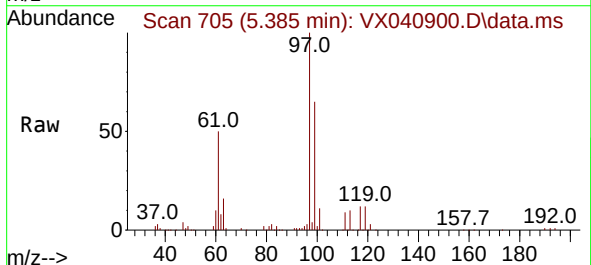
Instrument :
MSVOA_X
ClientSampleId :
RMW-06B-21-040424

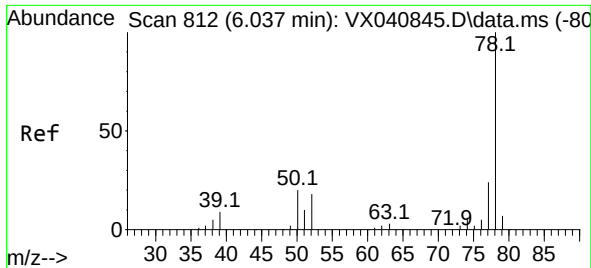
Tgt Ion:114 Resp: 75003
Ion Ratio Lower Upper
114 100
63 22.3 0.0 45.0
88 16.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.597 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040900.D
Acq: 05 Apr 2024 13:53

Tgt Ion:113 Resp: 26348
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 17.2 13.3 19.9

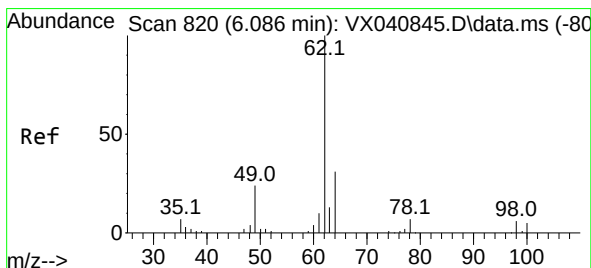
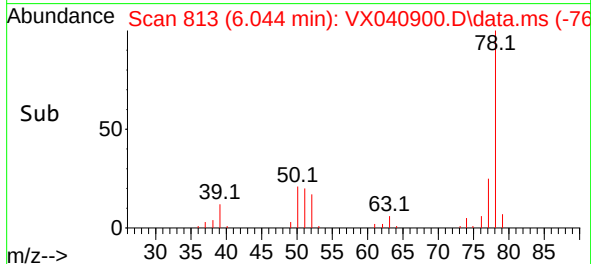
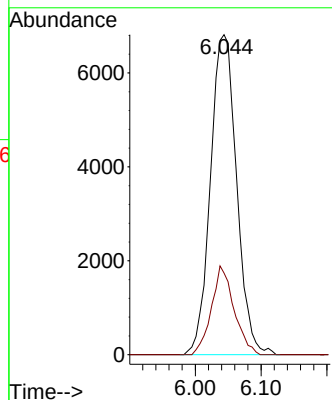
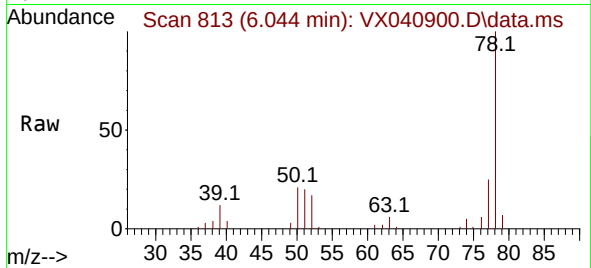




#40
Benzene
Concen: 9.017 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX040900.D
Acq: 05 Apr 2024 13:53

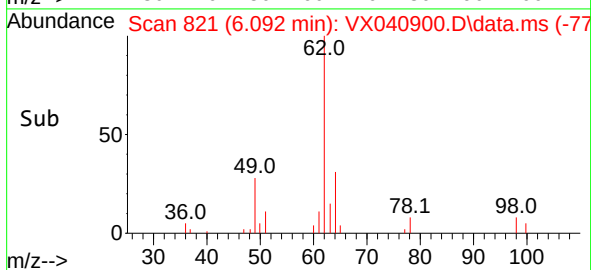
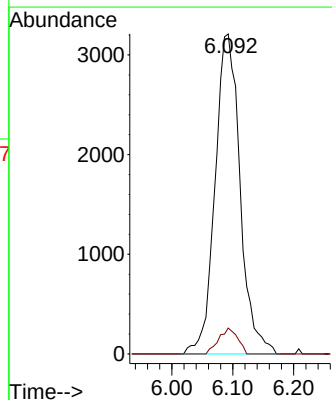
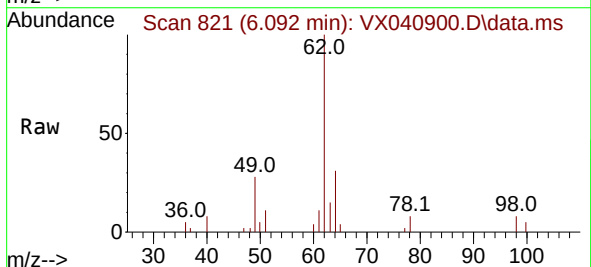
Instrument :
MSVOA_X
ClientSampleId :
RMW-06B-21-040424

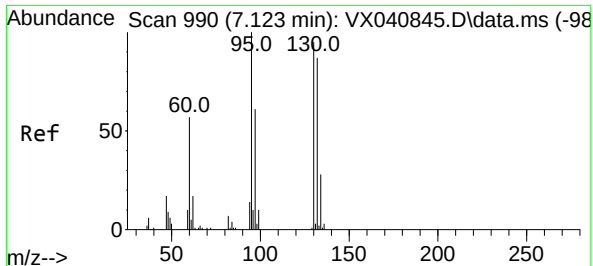
Tgt Ion: 78 Resp: 18892
Ion Ratio Lower Upper
78 100
77 25.5 19.3 28.9



#42
1,2-Dichloroethane
Concen: 10.059 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX040900.D
Acq: 05 Apr 2024 13:53

Tgt Ion: 62 Resp: 9153
Ion Ratio Lower Upper
62 100
98 6.1 0.0 16.0

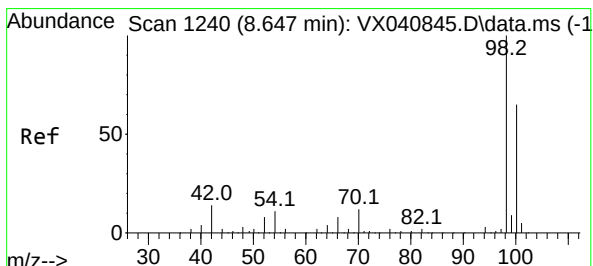
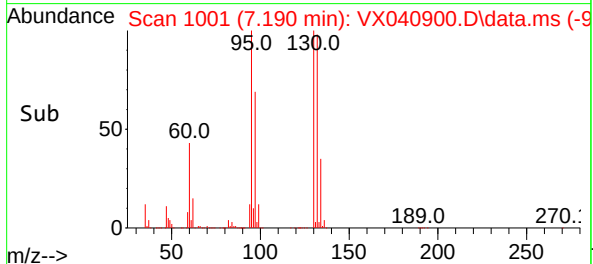
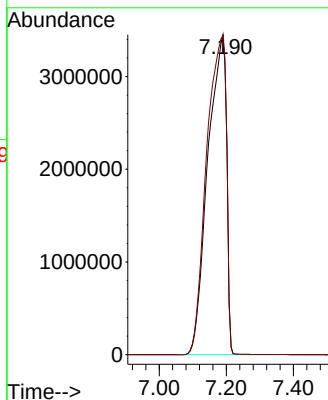
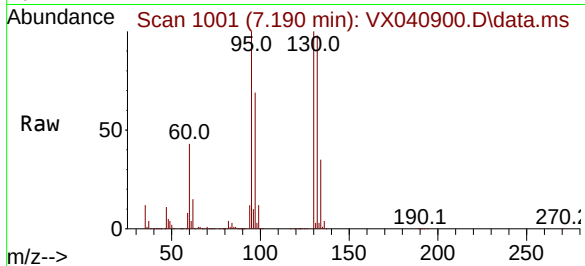




#44
Trichloroethene
Concen: 25377.275 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. 0.067 min
Lab File: VX040900.D
Acq: 05 Apr 2024 13:53

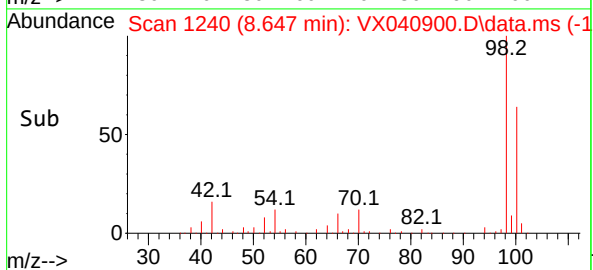
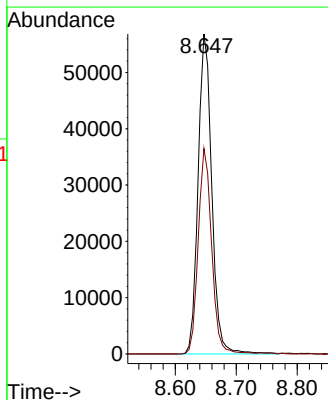
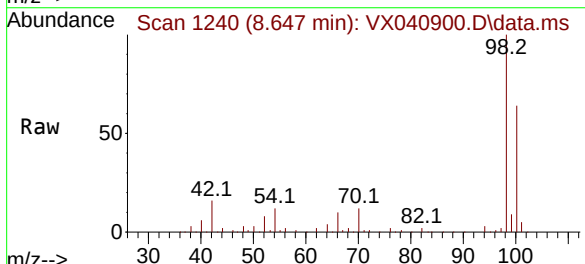
Instrument :
MSVOA_X
ClientSampleId :
RMW-06B-21-040424

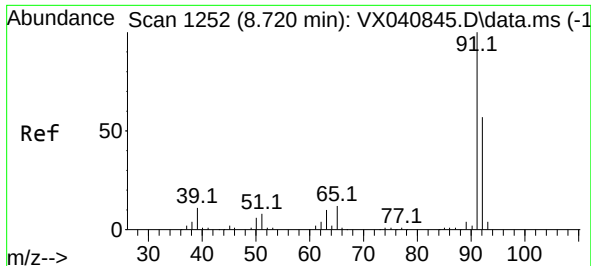
Tgt Ion:130 Resp:13278662
Ion Ratio Lower Upper
130 100
95 99.8 0.0 204.4



#50
Toluene-d8
Concen: 46.184 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040900.D
Acq: 05 Apr 2024 13:53

Tgt Ion: 98 Resp: 88656
Ion Ratio Lower Upper
98 100
100 63.0 53.1 79.7

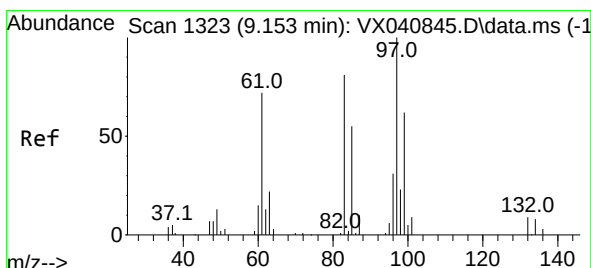
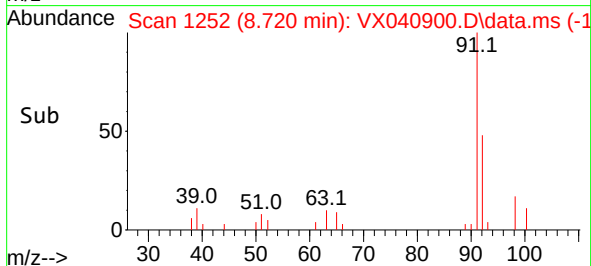
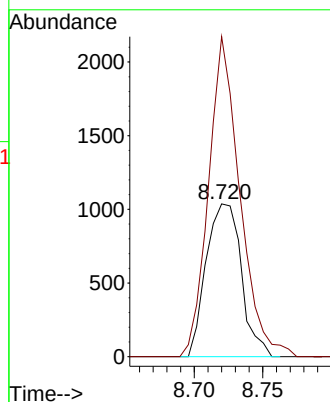
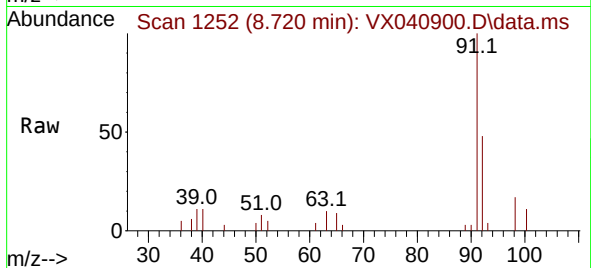




#52
Toluene
Concen: 1.399 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040900.D
Acq: 05 Apr 2024 13:53

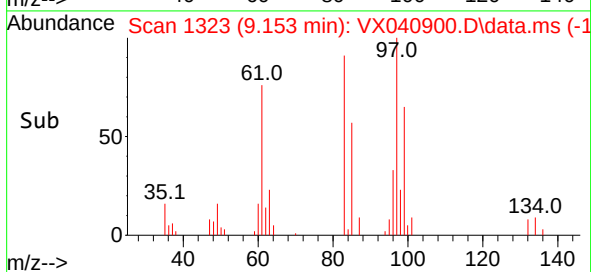
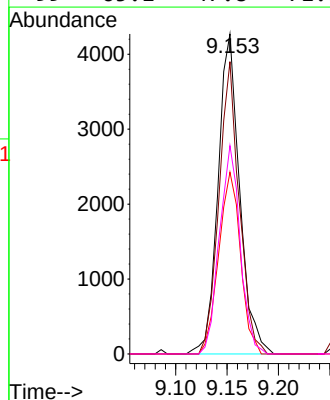
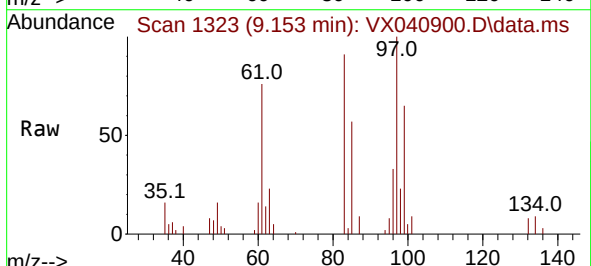
Instrument :
MSVOA_X
ClientSampleId :
RMW-06B-21-040424

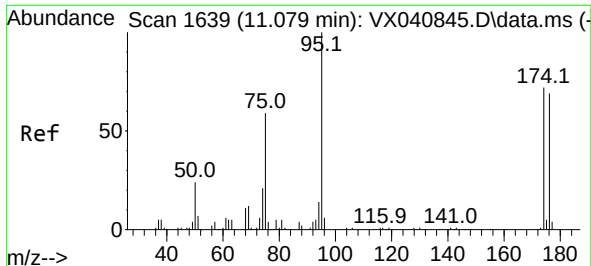
Tgt Ion: 92 Resp: 1850
Ion Ratio Lower Upper
92 100
91 186.9 134.2 201.2



#55
1,1,2-Trichloroethane
Concen: 12.096 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.000 min
Lab File: VX040900.D
Acq: 05 Apr 2024 13:53

Tgt Ion: 97 Resp: 6240
Ion Ratio Lower Upper
97 100
83 91.4 65.8 98.8
85 56.8 41.6 62.4
99 65.1 47.8 71.8





#62

4-Bromofluorobenzene

Concen: 48.364 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX040900.D

Acq: 05 Apr 2024 13:53

Instrument :

MSVOA_X

ClientSampleId :

RMW-06B-21-040424

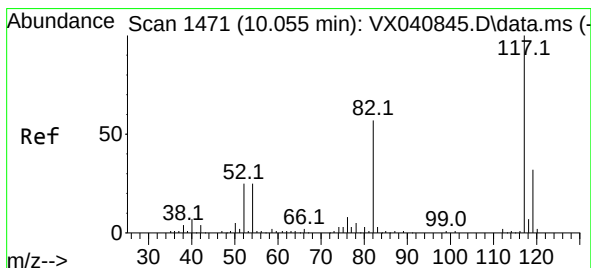
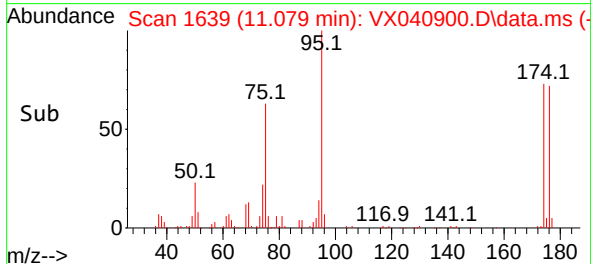
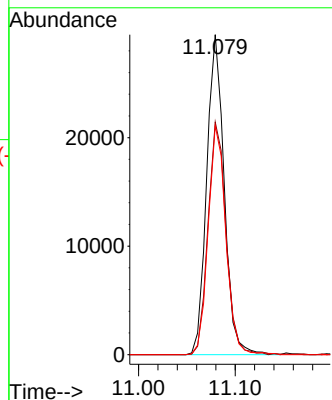
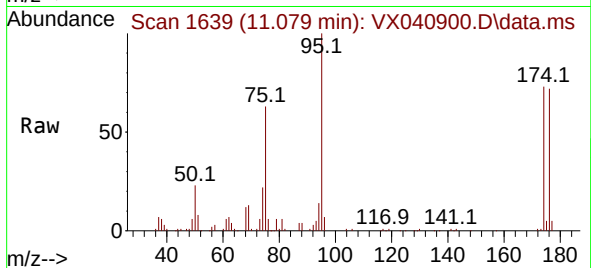
Tgt Ion: 95 Resp: 37076

Ion Ratio Lower Upper

95 100

174 74.7 0.0 135.6

176 72.2 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX040900.D

Acq: 05 Apr 2024 13:53

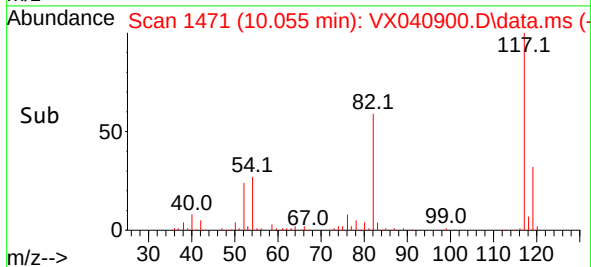
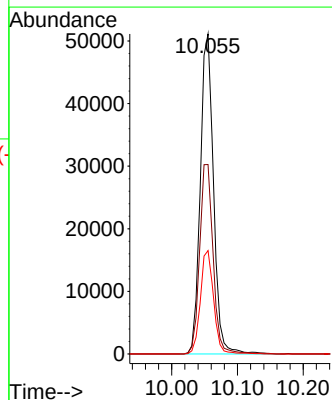
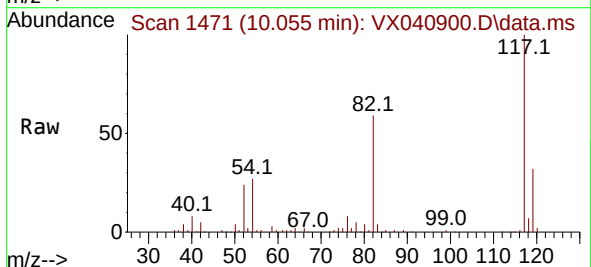
Tgt Ion: 117 Resp: 71288

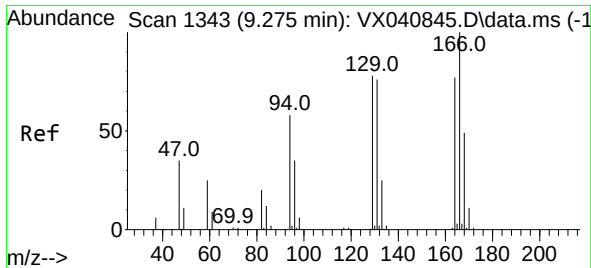
Ion Ratio Lower Upper

117 100

82 59.2 46.2 69.4

119 32.3 25.5 38.3

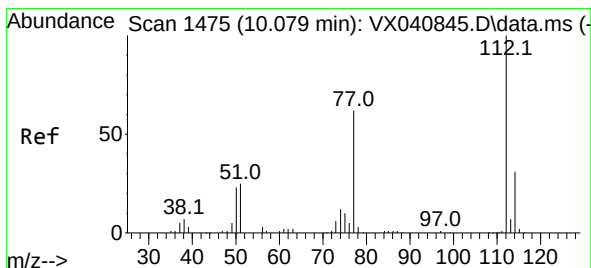
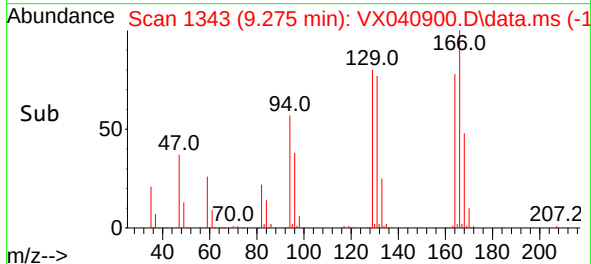
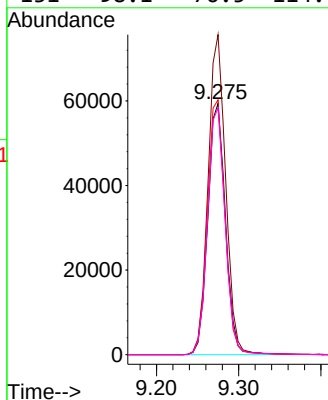
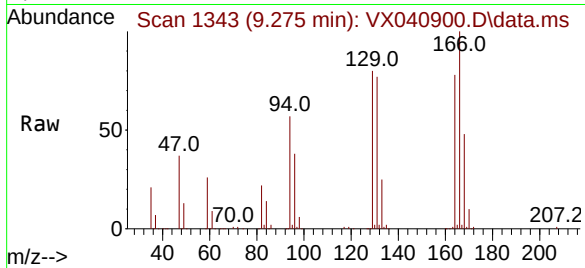




#64
Tetrachloroethene
Concen: 187.114 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040900.D
Acq: 05 Apr 2024 13:53

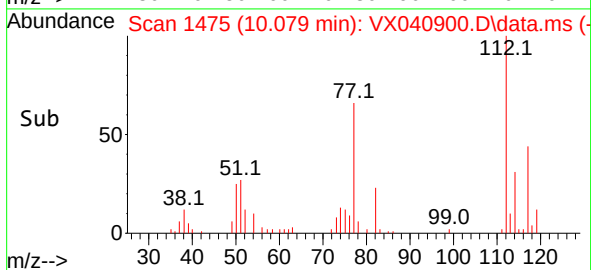
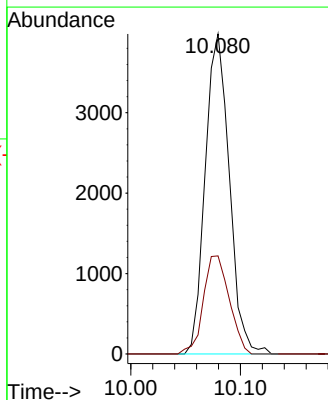
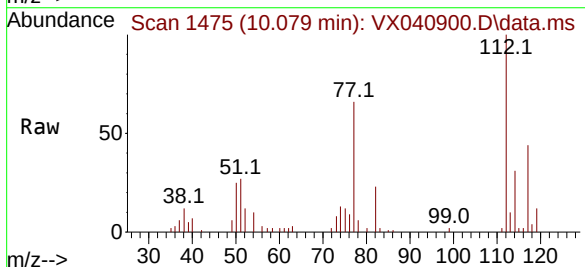
Instrument :
MSVOA_X
ClientSampleId :
RMW-06B-21-040424

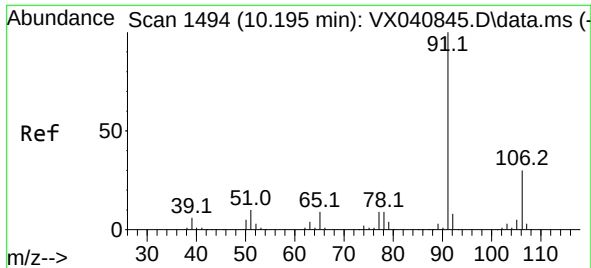
Tgt Ion:164	Resp:	88272
Ion	Ratio	Lower Upper
164	100	
166	127.4	102.7 154.1
129	101.5	80.4 120.6
131	98.1	76.5 114.7



#65
Chlorobenzene
Concen: 3.900 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX040900.D
Acq: 05 Apr 2024 13:53

Tgt Ion:112	Resp:	6081
Ion	Ratio	Lower Upper
112	100	
114	30.7	25.7 38.5

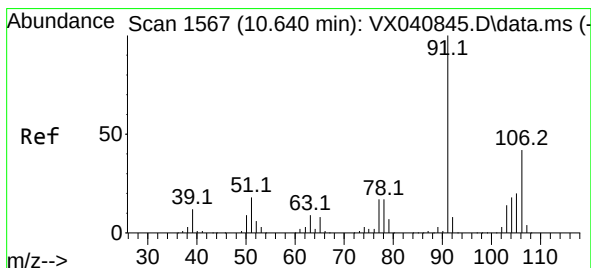
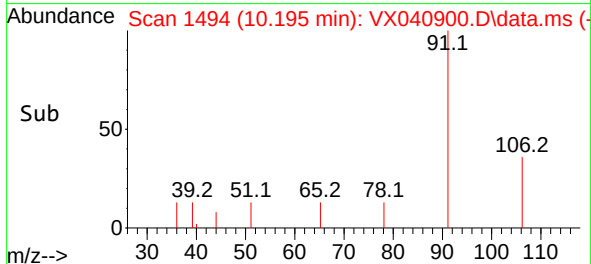
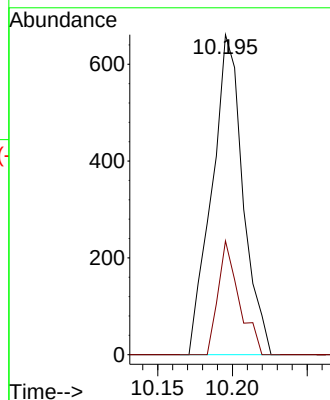
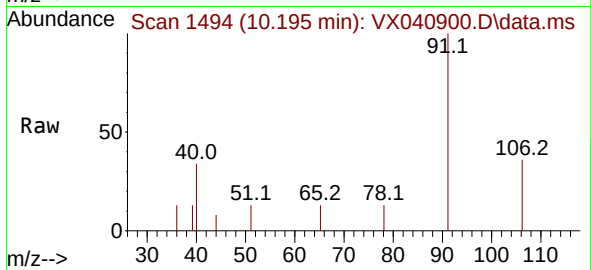




#67
Ethyl Benzene
Concen: 0.343 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX040900.D
Acq: 05 Apr 2024 13:53

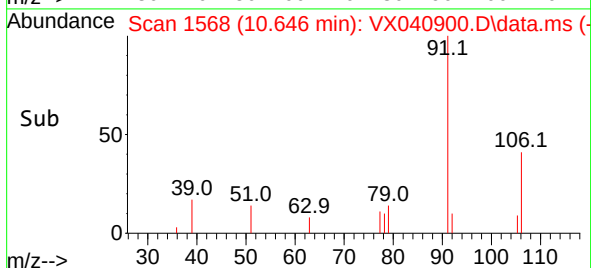
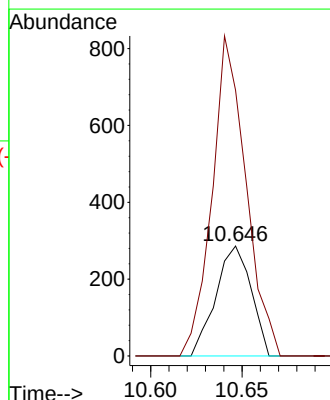
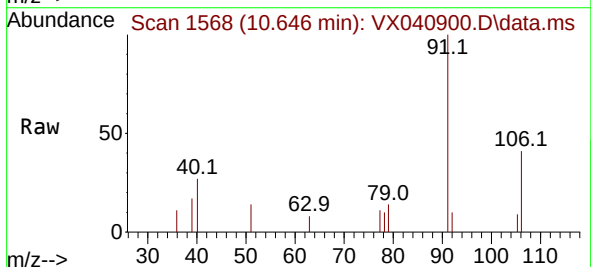
Instrument :
MSVOA_X
ClientSampleId :
RMW-06B-21-040424

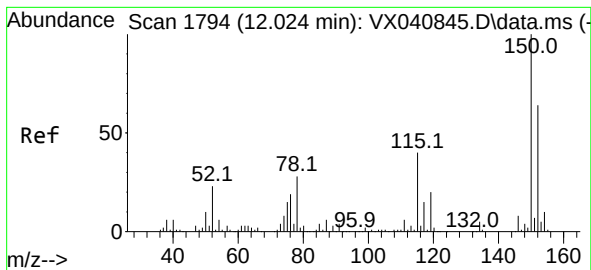
Tgt Ion: 91 Resp: 955
Ion Ratio Lower Upper
91 100
106 35.6 24.9 37.3



#69
o-Xylene
Concen: 0.403 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX040900.D
Acq: 05 Apr 2024 13:53

Tgt Ion: 106 Resp: 384
Ion Ratio Lower Upper
106 100
91 279.4 108.9 326.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX040900.D

Acq: 05 Apr 2024 13:53

Instrument :

MSVOA_X

ClientSampleId :

RMW-06B-21-040424

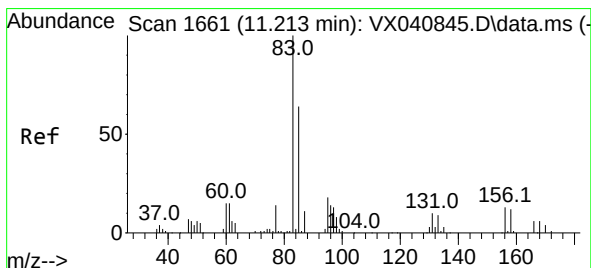
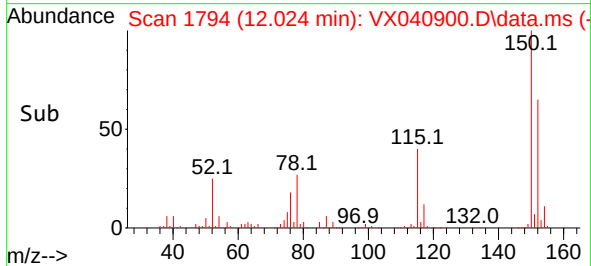
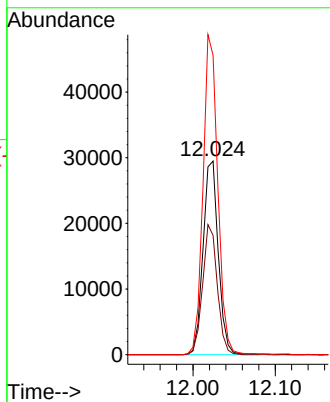
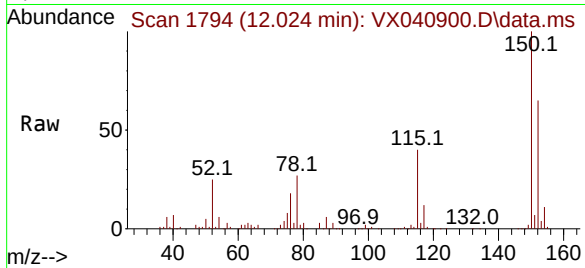
Tgt Ion:152 Resp: 38038

Ion Ratio Lower Upper

152 100

115 64.3 43.3 129.9

150 159.6 0.0 345.0



#75

1,1,2,2-Tetrachloroethane

Concen: 1.172 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX040900.D

Acq: 05 Apr 2024 13:53

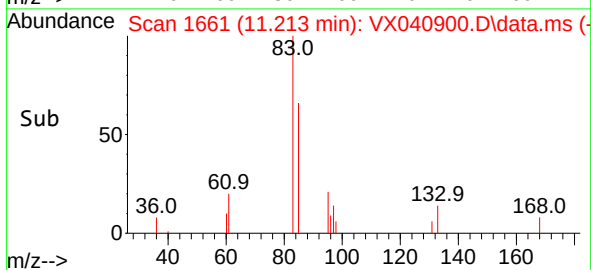
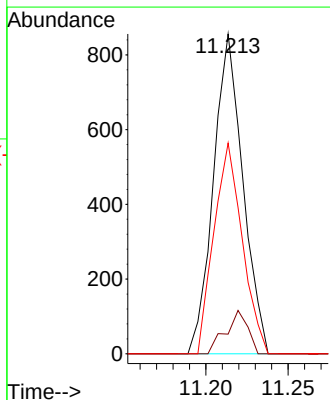
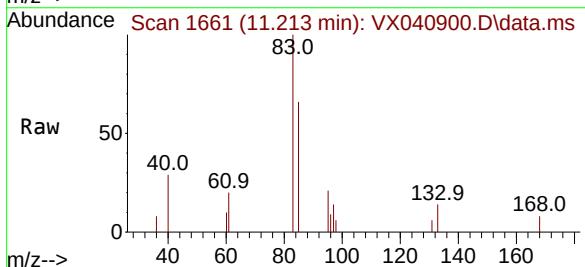
Tgt Ion: 83 Resp: 1065

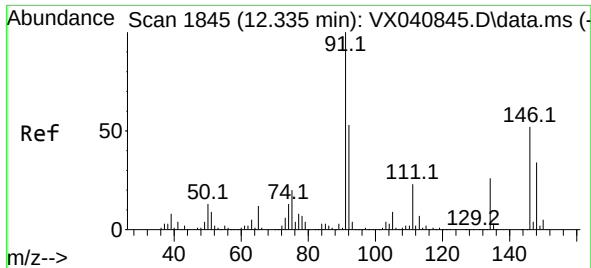
Ion Ratio Lower Upper

83 100

131 10.1 5.3 15.8

85 63.4 32.0 96.2





#91
 1,2-Dichlorobenzene
 Concen: 0.920 ug/l
 RT: 12.341 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX040900.D
 Acq: 05 Apr 2024 13:53

Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-06B-21-040424

Tgt Ion:	146	Resp:	1136
Ion	Ratio	Lower	Upper
146	100		
111	41.3	22.4	67.0
148	53.9	31.6	95.0

