

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072822\
 Data File : VX030285.D
 Acq On : 28 Jul 2022 21:16
 Operator : JC/MD
 Sample : N3695-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-03-07112022

Quant Time: Jul 29 06:00:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

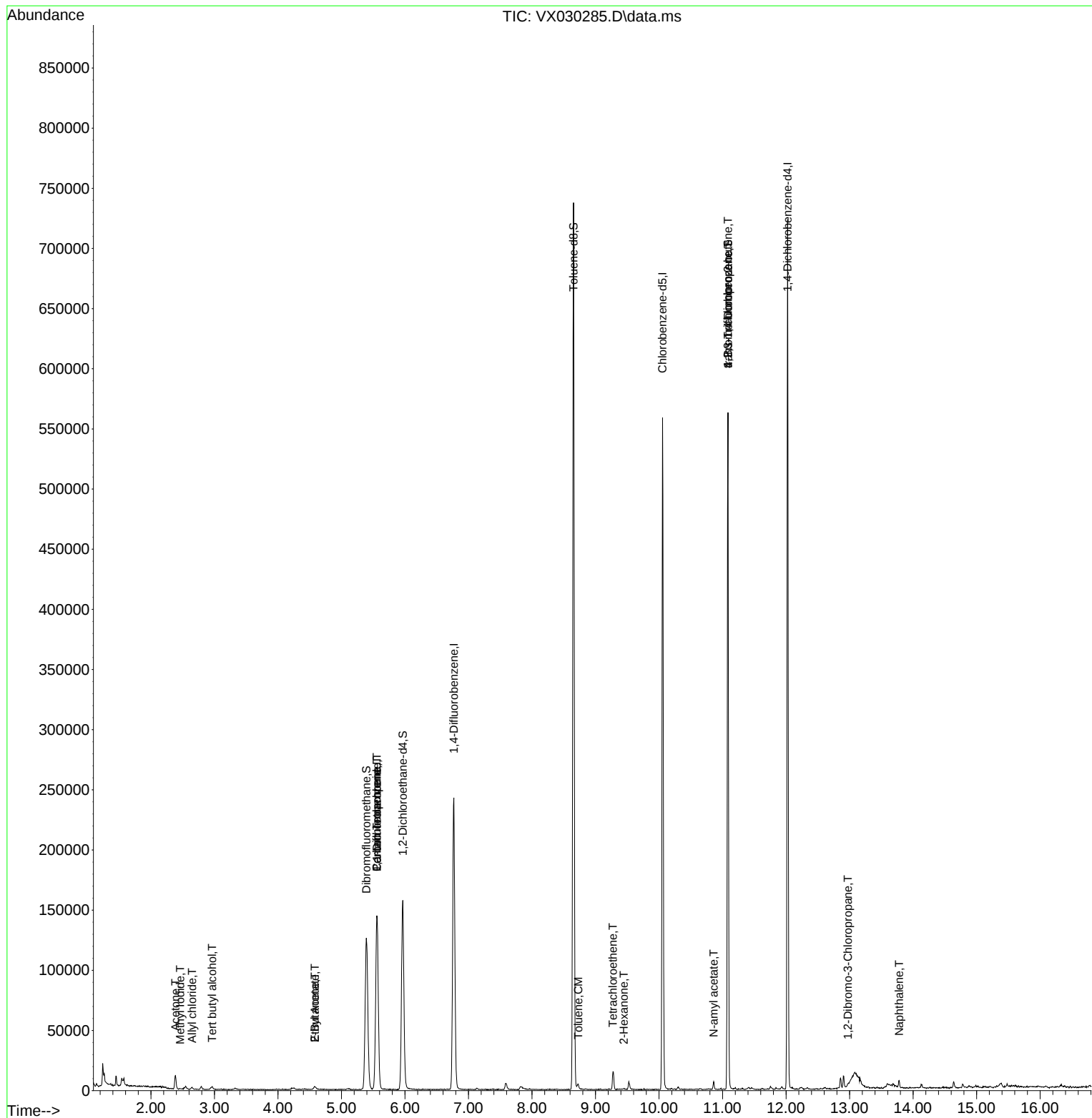
Internal Standards						
1) Pentafluorobenzene	5.556	168	136655	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	246197	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	246278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	139290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	142617	51.923	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.840%
35) Dibromofluoromethane	5.391	113	116988	49.708	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.420%
50) Toluene-d8	8.653	98	427958	46.954	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.900%
62) 4-Bromofluorobenzene	11.085	95	154363	45.635	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.260%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	546	Below Cal	#	56
10) Methyl Iodide	2.459	142	497	1.751	ug/l #	90
11) Tert butyl alcohol	2.965	59	2171	3.240	ug/l	96
14) Allyl chloride	2.648	41	1687	0.383	ug/l #	47
16) Acetone	2.386	43	12032	8.556	ug/l	89
20) Methylene Chloride	2.788	84	962	Below Cal	#	77
25) 2-Butanone	4.580	43	4065	1.720	ug/l	90
36) 1,1-Dichloropropene	5.556	75	11303	3.337	ug/l #	49
37) Ethyl Acetate	4.580	43	4065	0.848	ug/l #	68
38) Carbon Tetrachloride	5.556	117	13974	4.419	ug/l #	18
52) Toluene	8.726	92	1445	0.222	ug/l	99
59) 2-Hexanone	9.445	43	874	0.232	ug/l #	60
64) Tetrachloroethene	9.275	164	3082	1.162	ug/l	94
67) Ethyl Benzene	10.195	91	500	Below Cal	#	71
74) N-amyl acetate	10.860	43	1123	0.212	ug/l #	23
76) 1,2,3-Trichloropropane	11.085	75	75235	20.491	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	75235	61.472	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	12.975	75	219	0.229	ug/l #	1
95) Naphthalene	13.780	128	3607	0.327	ug/l #	90

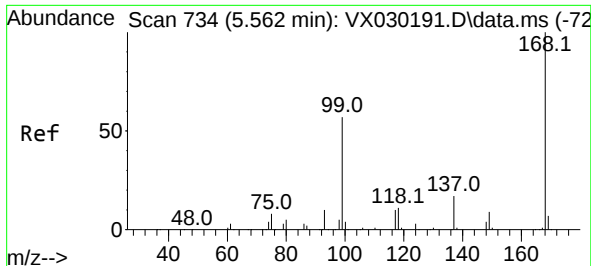
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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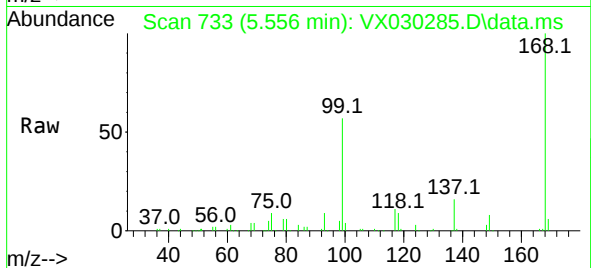
Quant Time: Jul 29 06:00:55 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
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QLast Update : Mon Jul 25 16:49:17 2022
Response via : Initial Calibration



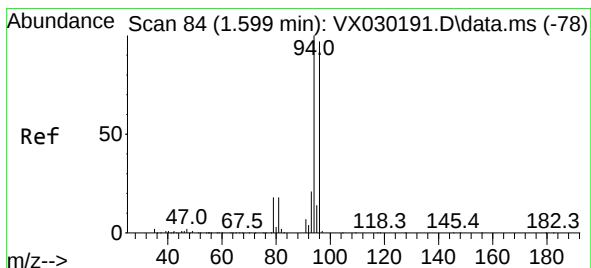
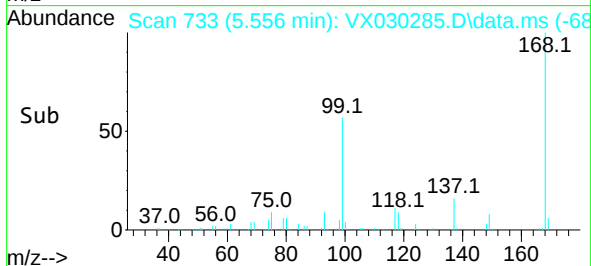
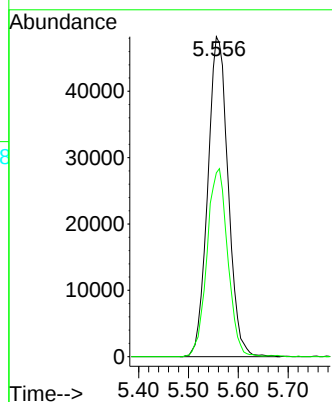


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030285.D
Acq: 28 Jul 2022 21:16

Instrument :
MSVOA_X
ClientSampleId :
EB-03-07112022

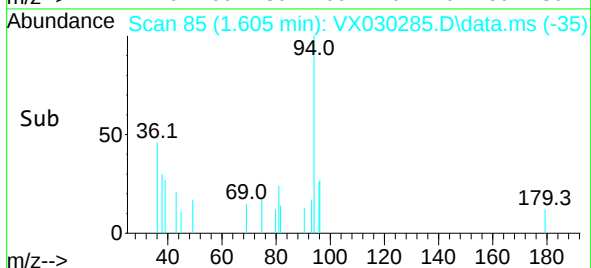
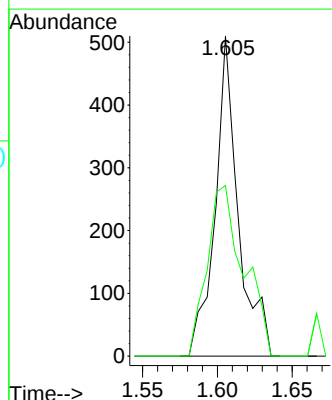
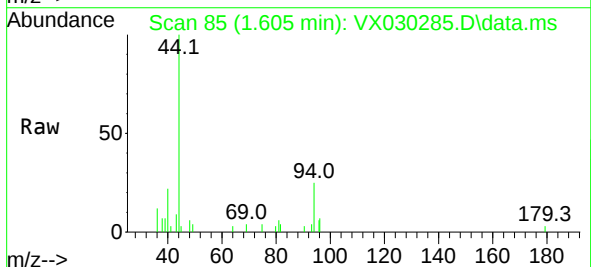


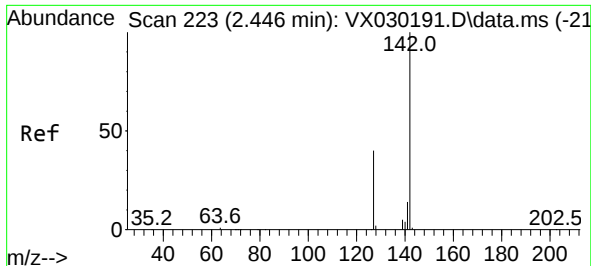
Tgt Ion:168 Resp: 136655
Ion Ratio Lower Upper
168 100
99 57.4 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX030285.D
Acq: 28 Jul 2022 21:16

Tgt Ion: 94 Resp: 546
Ion Ratio Lower Upper
94 100
96 53.3 76.9 115.3#

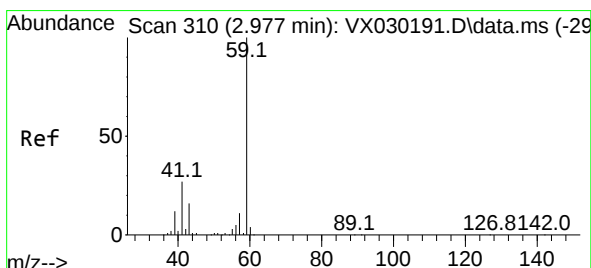
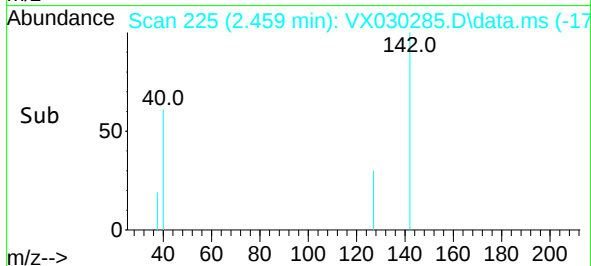
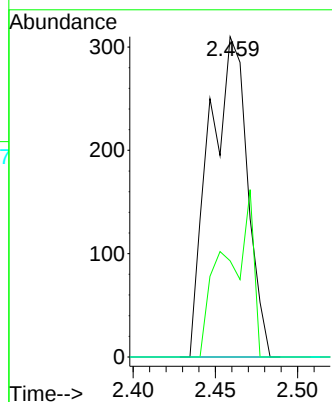
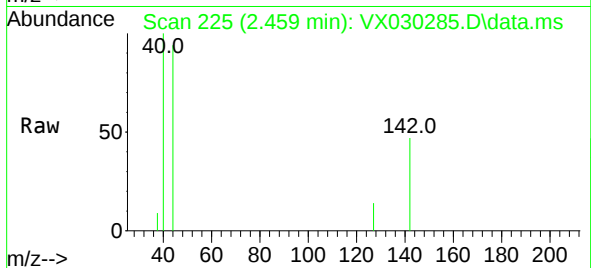




#10
Methyl Iodide
Concen: 1.751 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.013 min
Lab File: VX030285.D
Acq: 28 Jul 2022 21:16

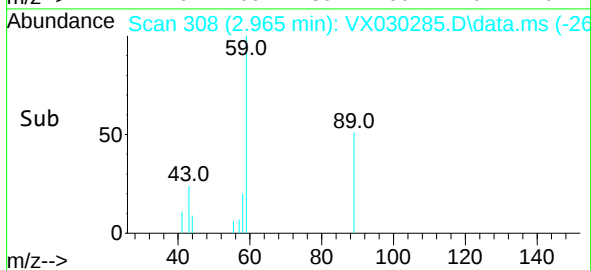
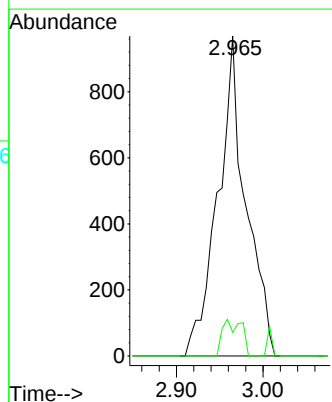
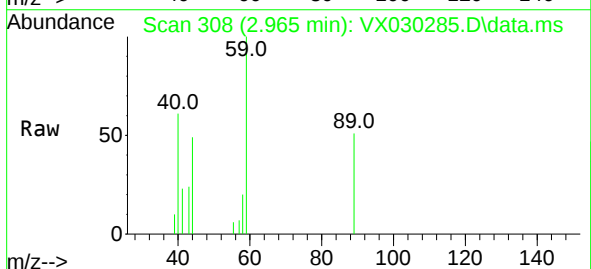
Instrument :
MSVOA_X
ClientSampleId :
EB-03-07112022

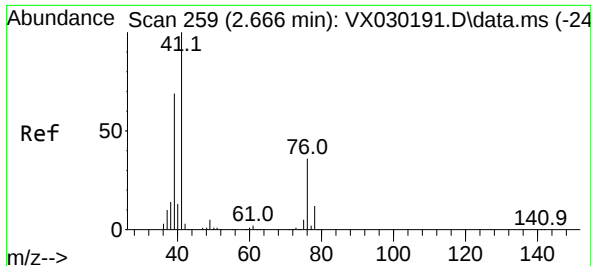
Tgt Ion:142 Resp: 497
Ion Ratio Lower Upper
142 100
127 37.6 30.2 45.2
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 3.240 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX030285.D
Acq: 28 Jul 2022 21:16

Tgt Ion: 59 Resp: 2171
Ion Ratio Lower Upper
59 100
57 7.8 7.4 11.2





#14

Allyl chloride

Concen: 0.383 ug/l

RT: 2.648 min Scan# 21

Delta R.T. -0.018 min

Lab File: VX030285.D

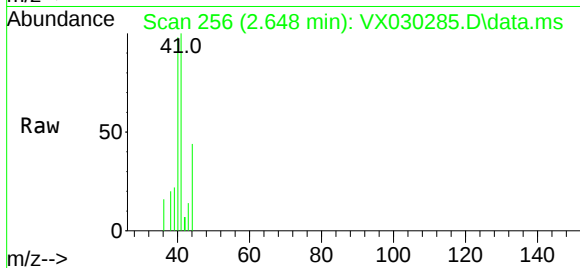
Acq: 28 Jul 2022 21:16

Instrument :

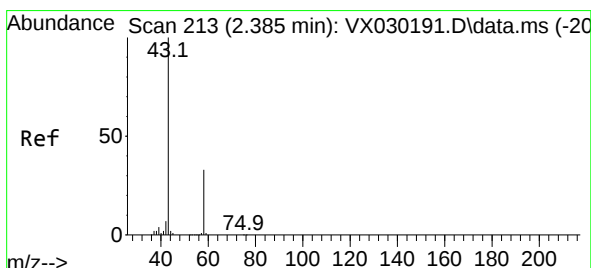
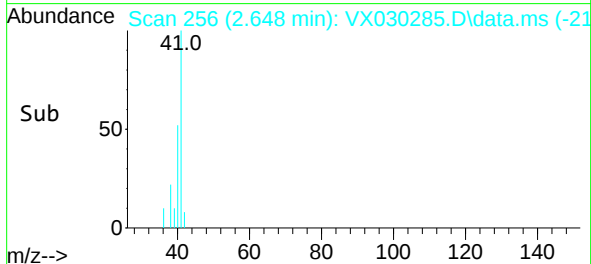
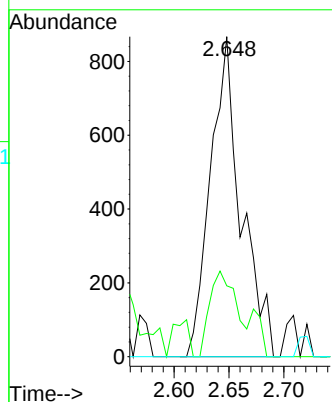
MSVOA_X

ClientSampleId :

EB-03-07112022



Tgt Ion: 41	Resp: 1687
Ion Ratio	Lower Upper
41 100	
39 23.5	48.9 73.3#
76 0.0	26.9 40.3#



#16

Acetone

Concen: 8.556 ug/l

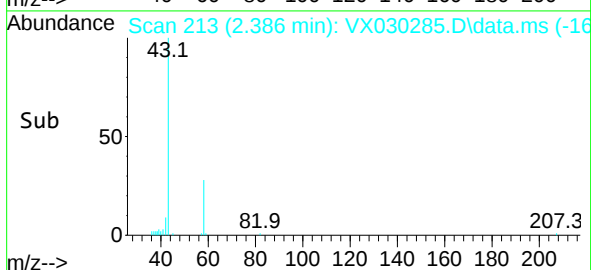
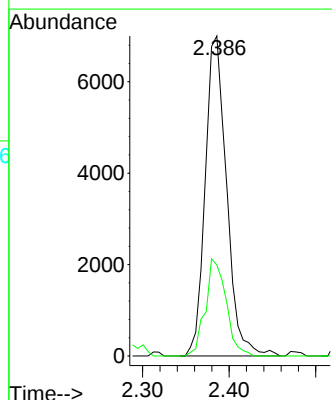
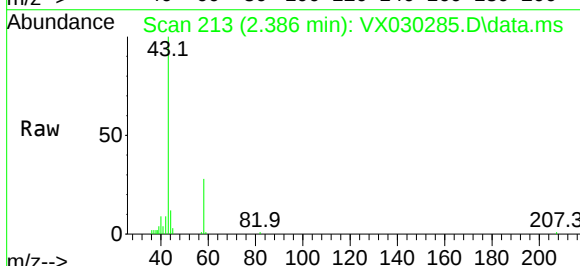
RT: 2.386 min Scan# 213

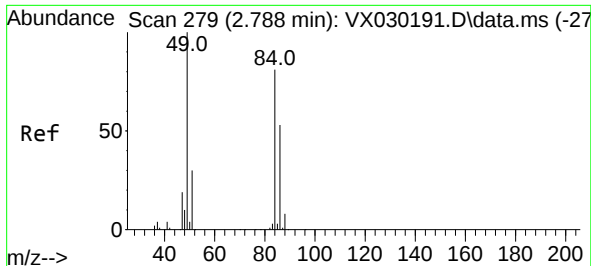
Delta R.T. 0.001 min

Lab File: VX030285.D

Acq: 28 Jul 2022 21:16

Tgt Ion: 43	Resp: 12032
Ion Ratio	Lower Upper
43 100	
58 28.4	27.7 41.5

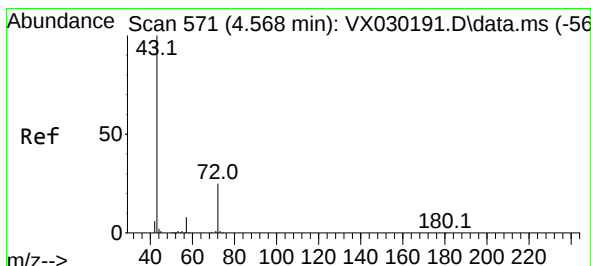
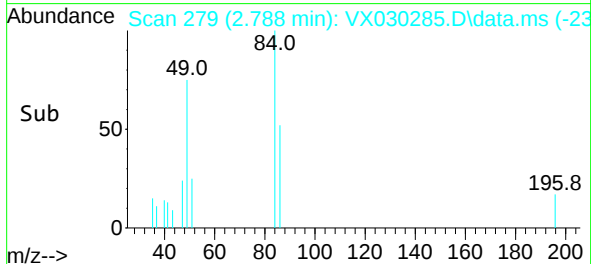
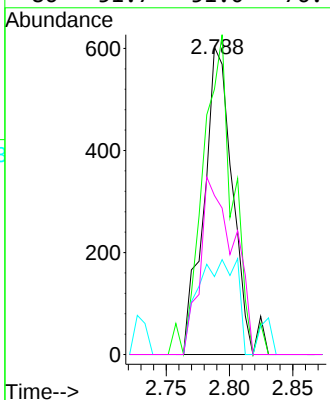
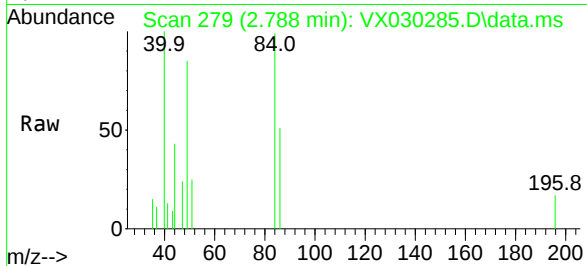




#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX030285.D
Acq: 28 Jul 2022 21:16

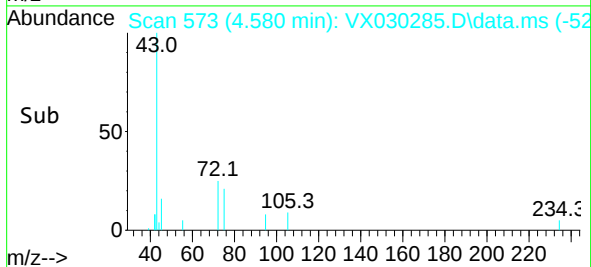
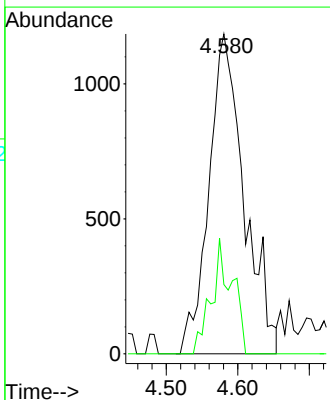
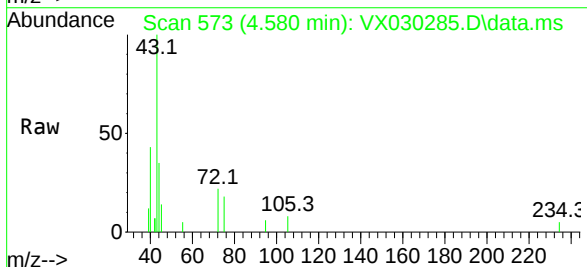
Instrument :
MSVOA_X
ClientSampleId :
EB-03-07112022

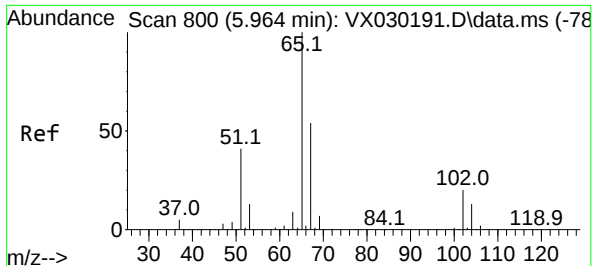
Tgt Ion: 84	Resp: 962
Ion Ratio	Lower Upper
84 100	
49 86.2	93.8 140.6#
51 25.4	29.4 44.0#
86 51.7	51.0 76.4



#25
2-Butanone
Concen: 1.720 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX030285.D
Acq: 28 Jul 2022 21:16

Tgt Ion: 43	Resp: 4065		
Ion Ratio	Lower	Upper	
43 100			
72 21.7	21.7	32.5	

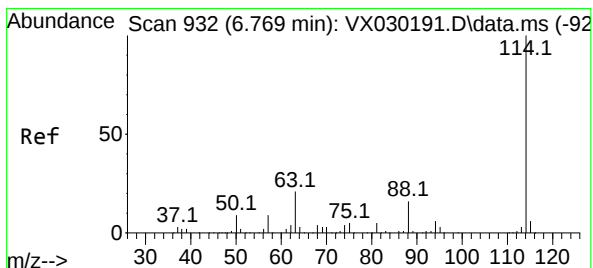
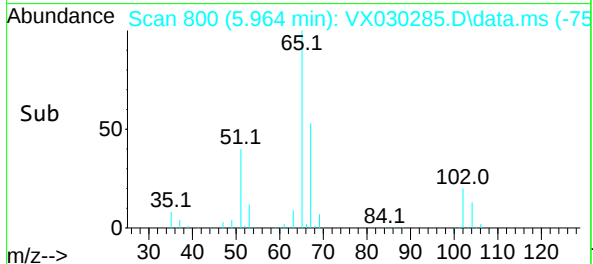
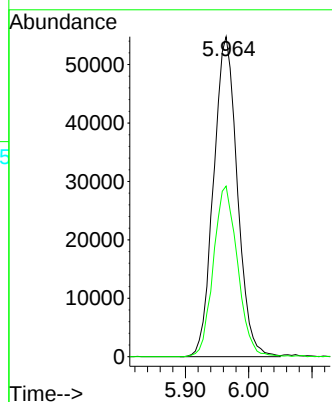
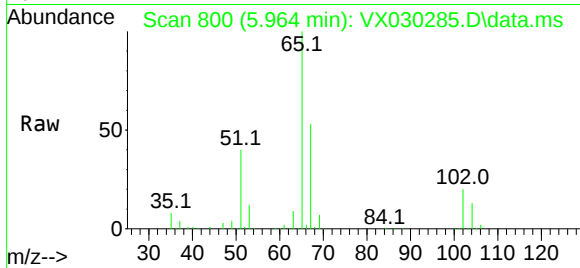




#33
1,2-Dichloroethane-d4
Concen: 51.923 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX030285.D
Acq: 28 Jul 2022 21:16

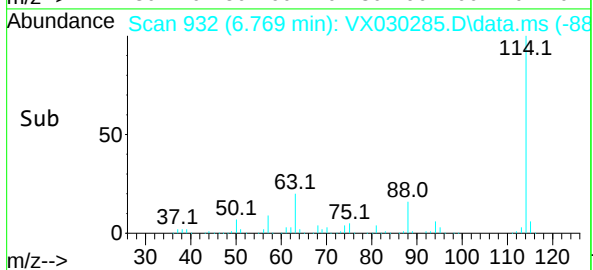
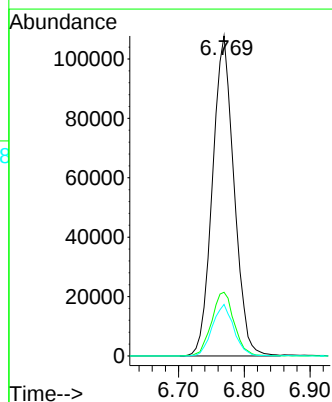
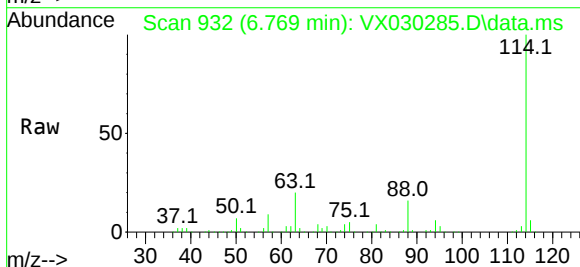
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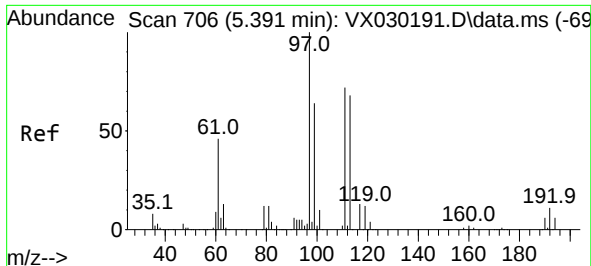
Tgt Ion: 65 Resp: 142617
Ion Ratio Lower Upper
65 100
67 54.2 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX030285.D
Acq: 28 Jul 2022 21:16

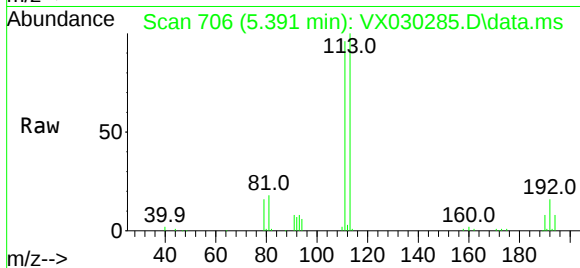
Tgt Ion: 114 Resp: 246197
Ion Ratio Lower Upper
114 100
63 19.9 0.0 38.4
88 16.1 0.0 31.8



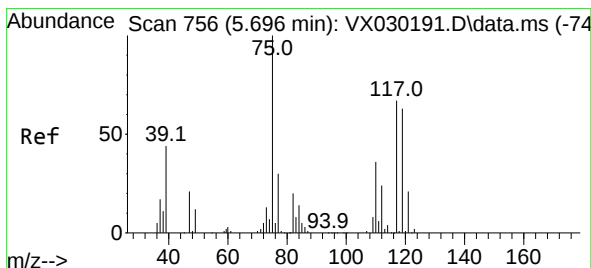
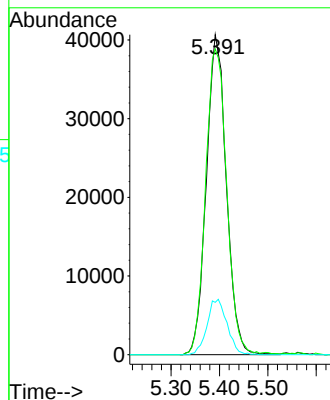
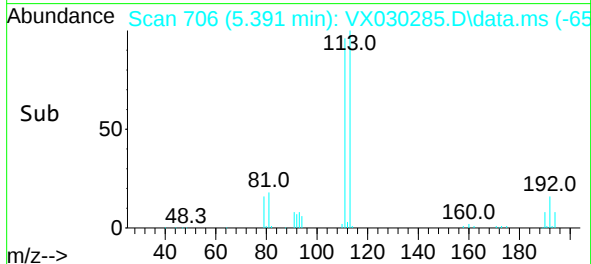


#35
Dibromofluoromethane
Concen: 49.708 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030285.D
Acq: 28 Jul 2022 21:16

Instrument :
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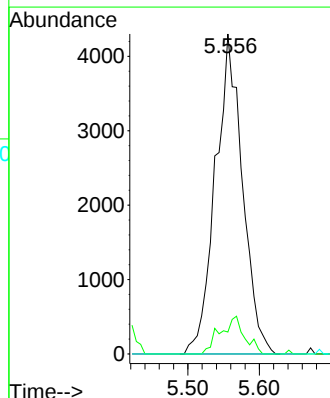
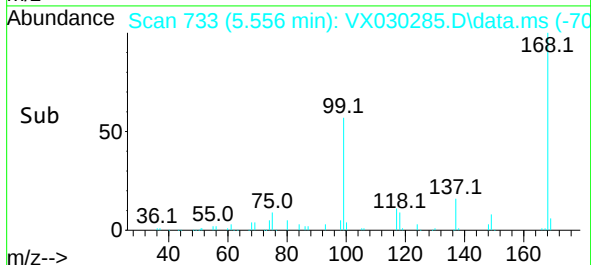
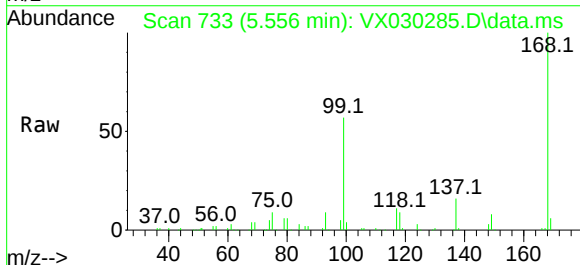


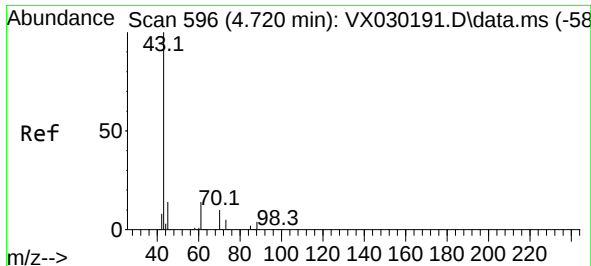
Tgt Ion:113 Resp: 116988
Ion Ratio Lower Upper
113 100
111 100.4 83.2 124.8
192 17.3 14.8 22.2



#36
1,1-Dichloropropene
Concen: 3.337 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX030285.D
Acq: 28 Jul 2022 21:16

Tgt Ion: 75 Resp: 11303
Ion Ratio Lower Upper
75 100
110 10.5 19.3 57.9#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.848 ug/l

RT: 4.580 min Scan# 51

Delta R.T. -0.140 min

Lab File: VX030285.D

Acq: 28 Jul 2022 21:16

Instrument :

MSVOA_X

ClientSampleId :

EB-03-07112022

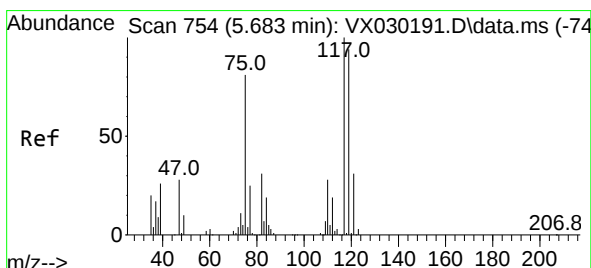
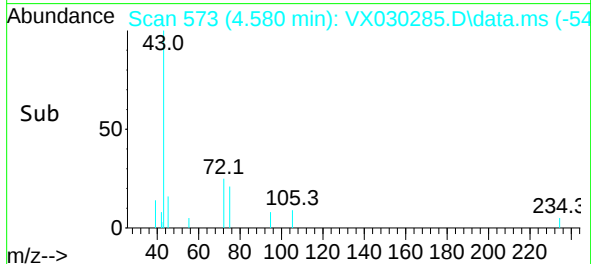
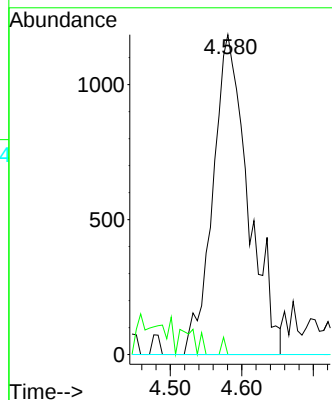
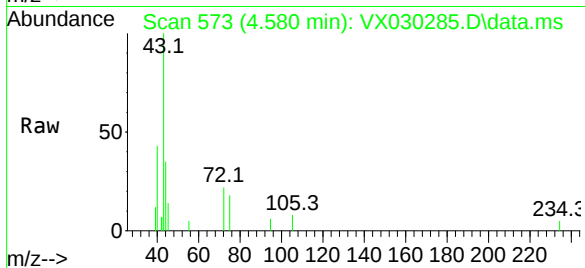
Tgt Ion: 43 Resp: 4065

Ion Ratio Lower Upper

43 100

61 0.6 11.7 17.5#

70 0.0 9.3 13.9#



#38

Carbon Tetrachloride

Concen: 4.419 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.127 min

Lab File: VX030285.D

Acq: 28 Jul 2022 21:16

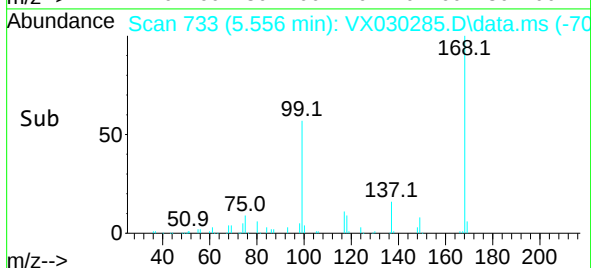
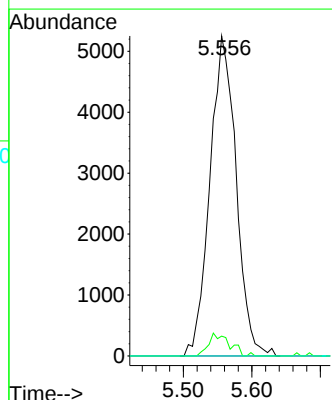
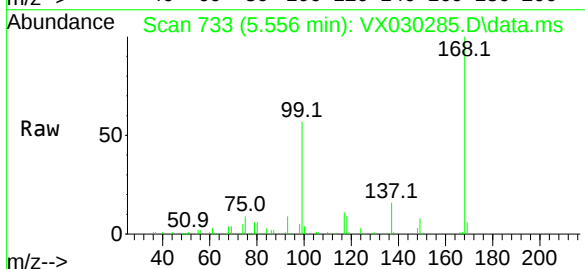
Tgt Ion: 117 Resp: 13974

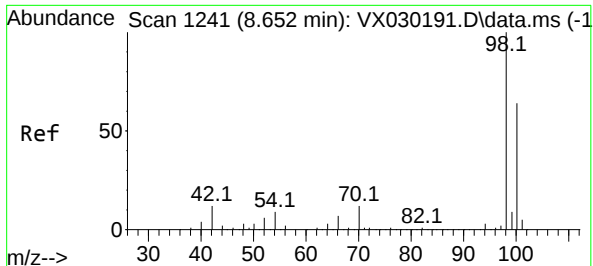
Ion Ratio Lower Upper

117 100

119 6.2 74.1 111.1#

121 0.0 25.8 38.8#

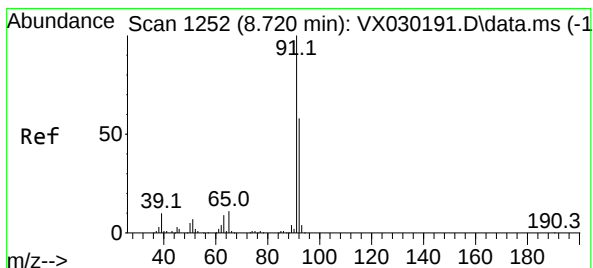
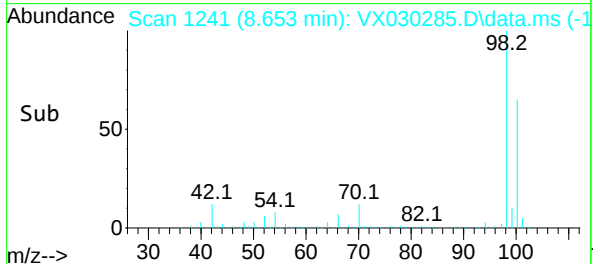
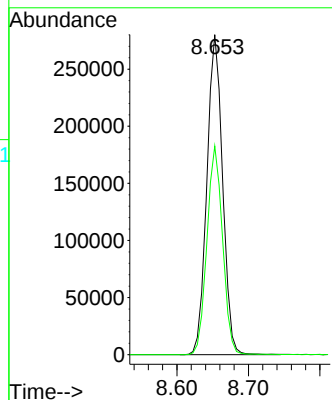
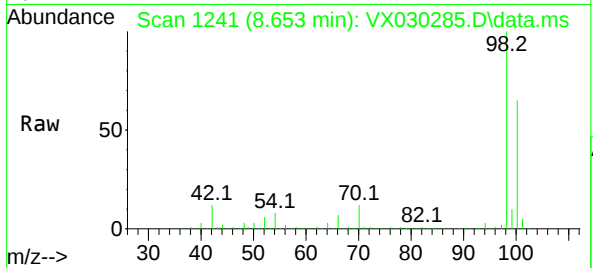




#50
Toluene-d8
Concen: 46.954 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX030285.D
Acq: 28 Jul 2022 21:16

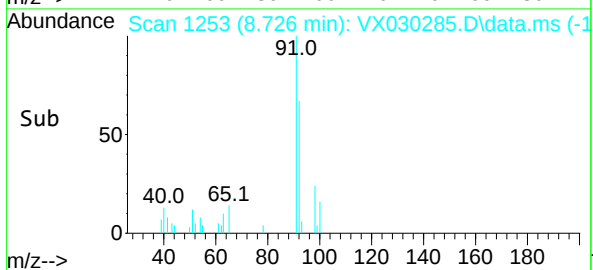
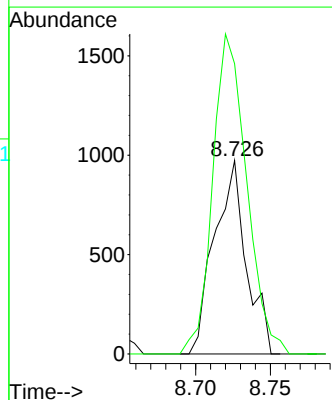
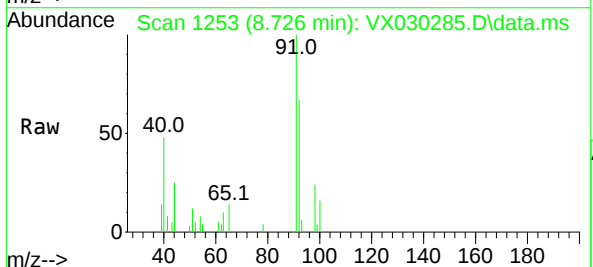
Instrument :
MSVOA_X
ClientSampleId :
EB-03-07112022

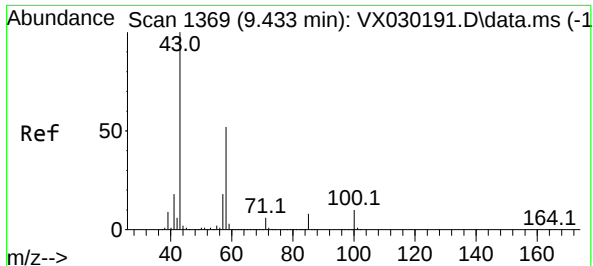
Tgt Ion: 98 Resp: 427958
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5



#52
Toluene
Concen: 0.222 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX030285.D
Acq: 28 Jul 2022 21:16

Tgt Ion: 92 Resp: 1445
Ion Ratio Lower Upper
92 100
91 175.7 139.2 208.8





#59

2-Hexanone

Concen: 0.232 ug/l

RT: 9.445 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX030285.D

Acq: 28 Jul 2022 21:16

Instrument :

MSVOA_X

ClientSampleId :

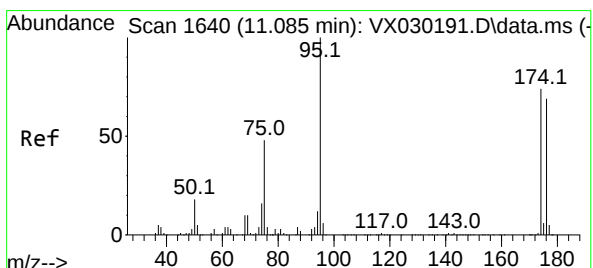
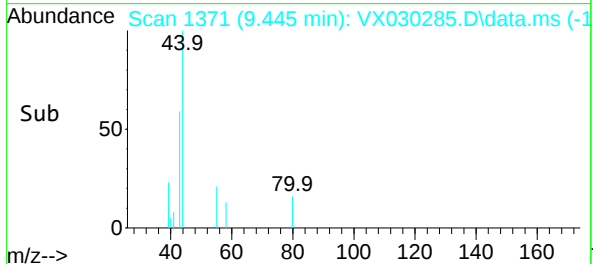
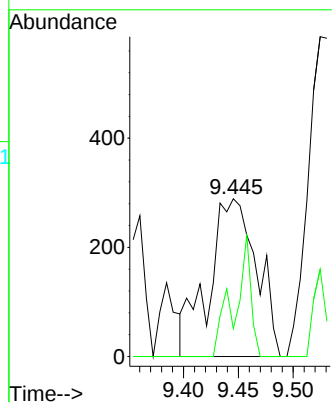
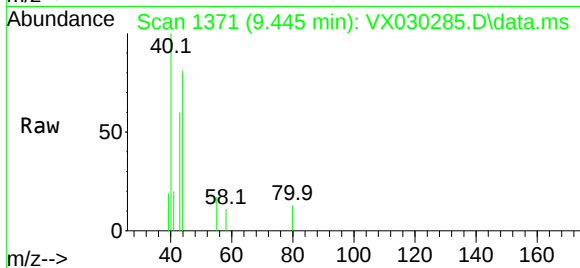
EB-03-07112022

Tgt Ion: 43 Resp: 874

Ion Ratio Lower Upper

43 100

58 26.5 27.6 82.8#



#62

4-Bromofluorobenzene

Concen: 45.635 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX030285.D

Acq: 28 Jul 2022 21:16

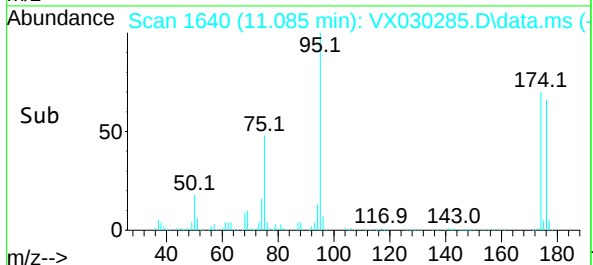
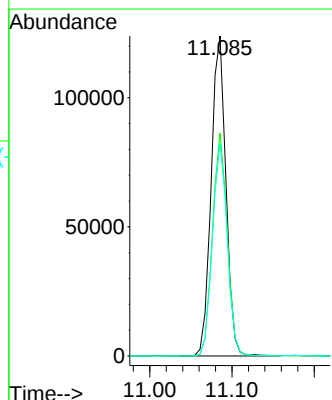
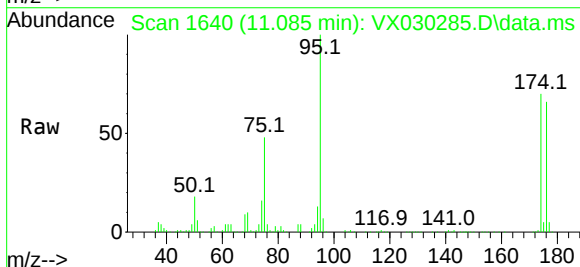
Tgt Ion: 95 Resp: 154363

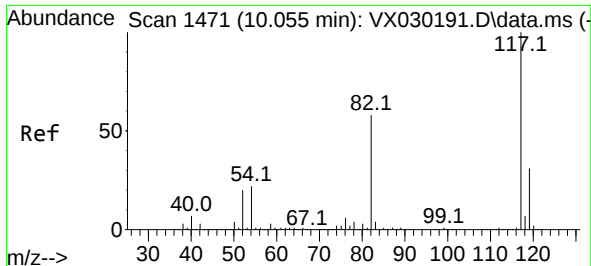
Ion Ratio Lower Upper

95 100

174 69.8 0.0 149.0

176 66.4 0.0 146.0

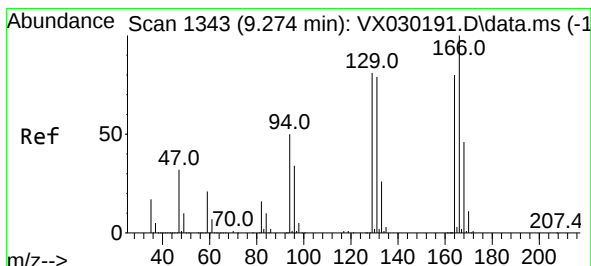
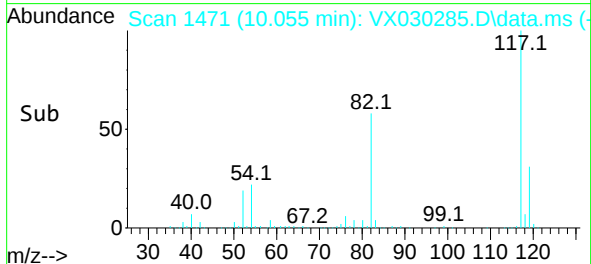
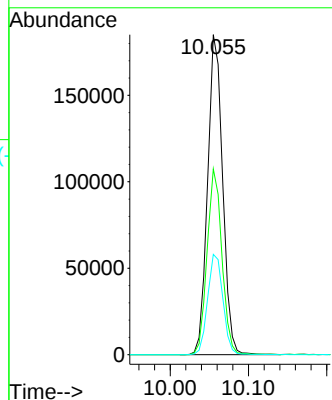
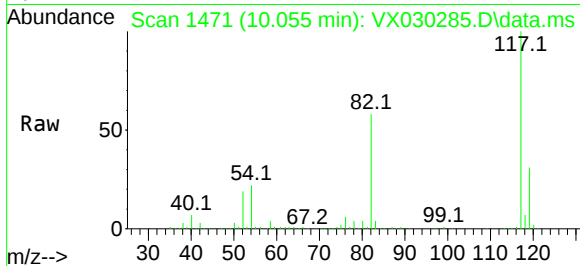




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030285.D
Acq: 28 Jul 2022 21:16

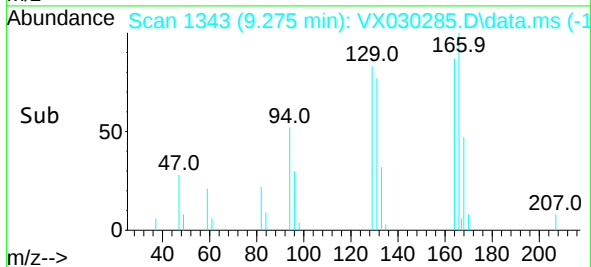
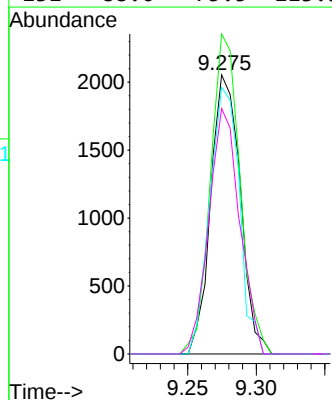
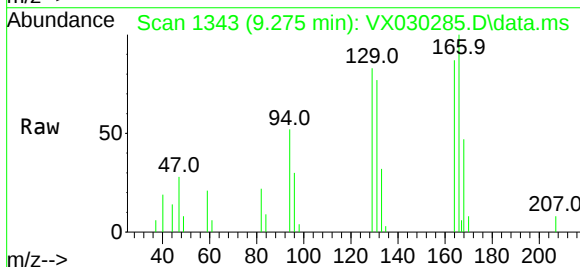
Instrument :
MSVOA_X
ClientSampleId :
EB-03-07112022

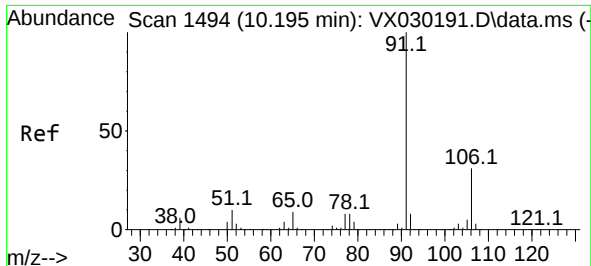
Tgt Ion:117 Resp: 246278
Ion Ratio Lower Upper
117 100
82 58.0 42.7 64.1
119 31.3 25.4 38.2



#64
Tetrachloroethene
Concen: 1.162 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.001 min
Lab File: VX030285.D
Acq: 28 Jul 2022 21:16

Tgt Ion:164 Resp: 3082
Ion Ratio Lower Upper
164 100
166 114.7 98.2 147.4
129 95.6 80.8 121.2
131 88.0 75.5 113.3





#67

Ethyl Benzene

Concen: Below Cal

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX030285.D

Acq: 28 Jul 2022 21:16

Instrument :

MSVOA_X

ClientSampleId :

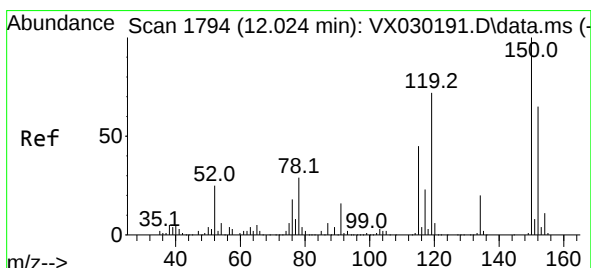
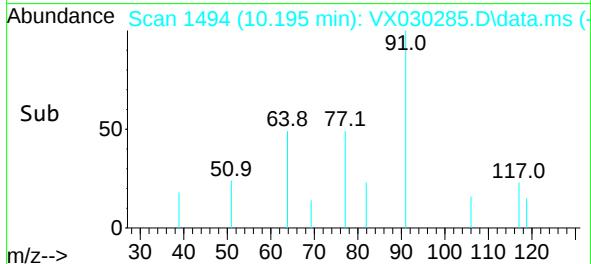
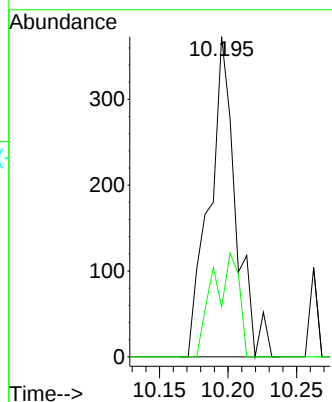
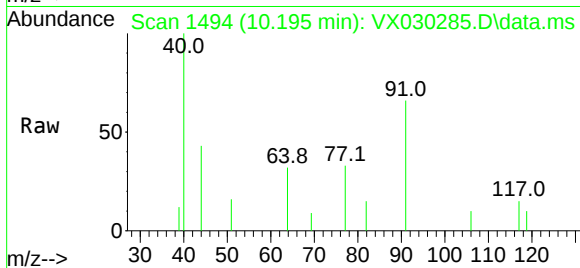
EB-03-07112022

Tgt Ion: 91 Resp: 500

Ion Ratio Lower Upper

91 100

106 15.5 25.5 38.3#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX030285.D

Acq: 28 Jul 2022 21:16

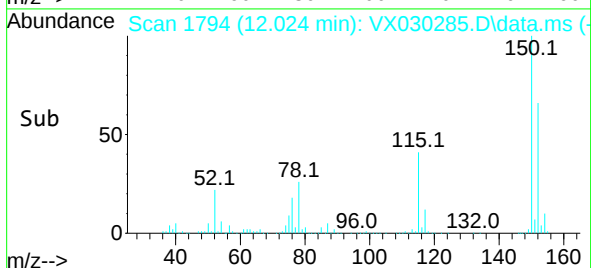
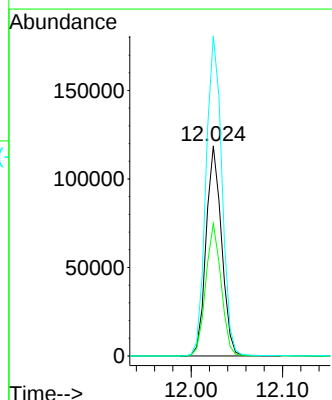
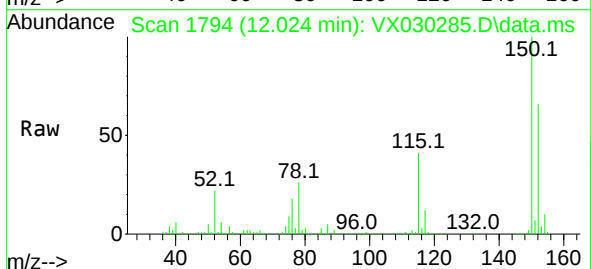
Tgt Ion:152 Resp: 139290

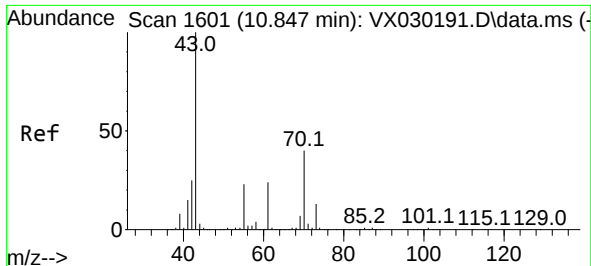
Ion Ratio Lower Upper

152 100

115 62.4 40.5 121.5

150 156.5 0.0 347.0

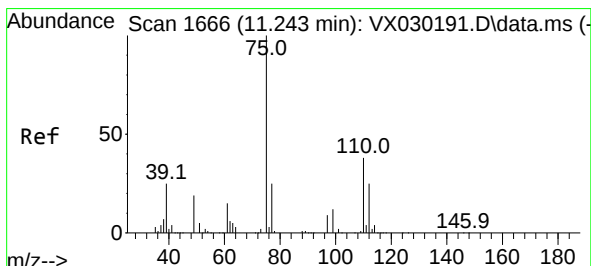
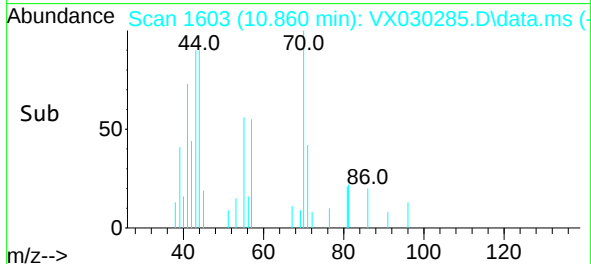
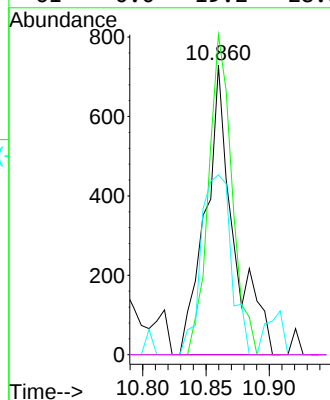
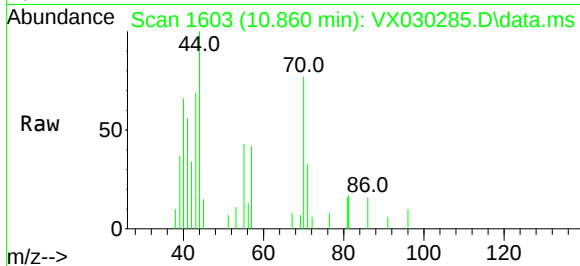




#74
N-amy1 acetate
Concen: 0.212 ug/l
RT: 10.860 min Scan# 1
Delta R.T. 0.013 min
Lab File: VX030285.D
Acq: 28 Jul 2022 21:16

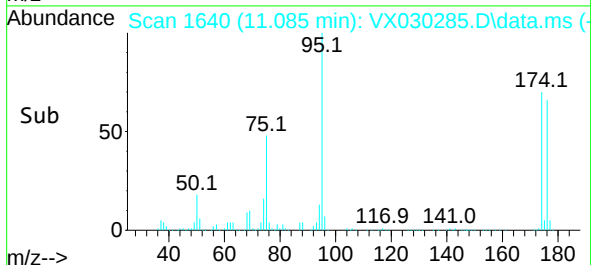
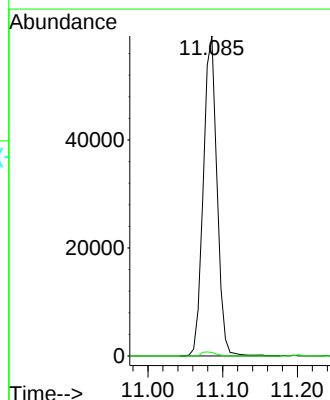
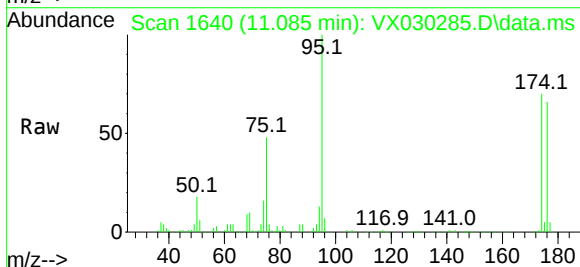
Instrument :
MSVOA_X
ClientSampleId :
EB-03-07112022

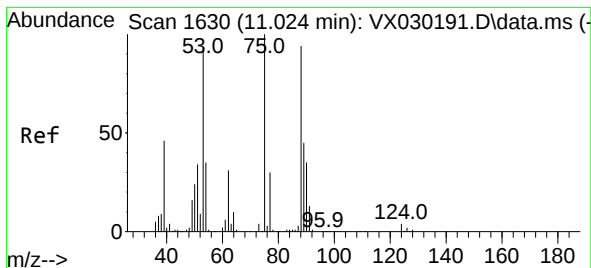
Tgt Ion: 43	Resp:	1123	
Ion	Ratio	Lower	Upper
43	100		
70	93.2	32.3	48.5#
55	67.6	18.4	27.6#
61	0.0	19.2	28.8#



#76
1,2,3-Trichloropropane
Concen: 20.491 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX030285.D
Acq: 28 Jul 2022 21:16

Tgt Ion: 75	Resp: 75235
Ion Ratio	Lower Upper
75 100	
77 1.3	19.8 59.3#

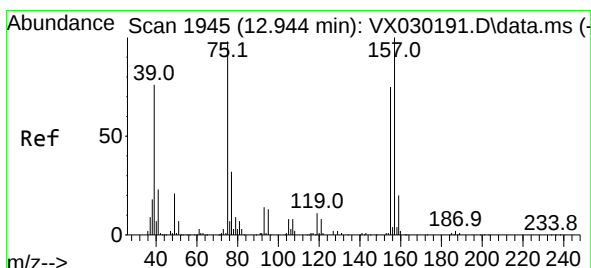
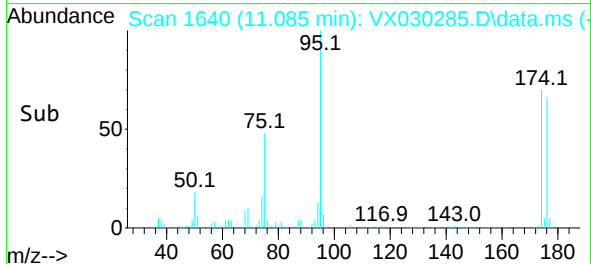
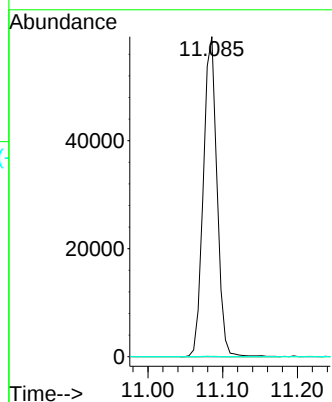
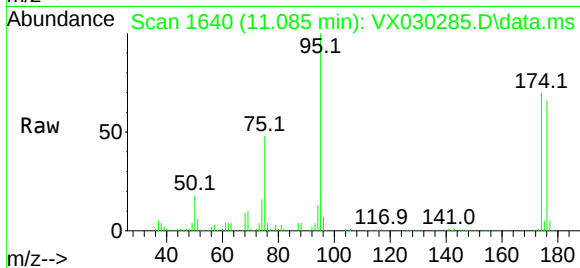




#81
trans-1,4-Dichloro-2-butene
Concen: 61.472 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX030285.D
Acq: 28 Jul 2022 21:16

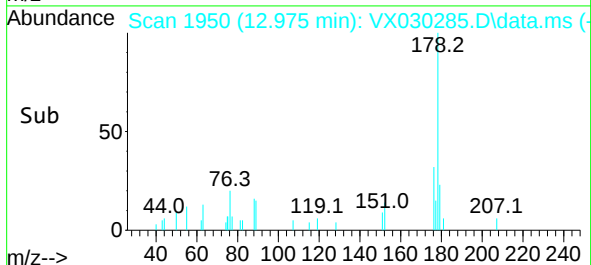
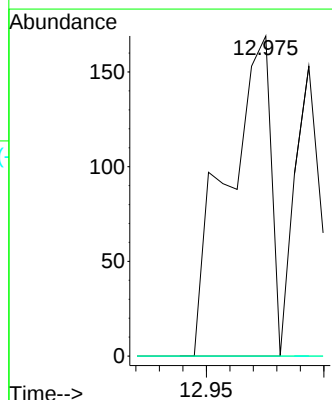
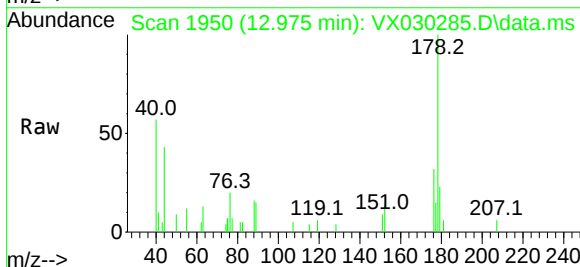
Instrument :
MSVOA_X
ClientSampleId :
EB-03-07112022

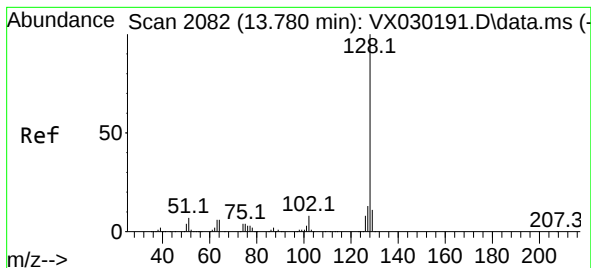
Tgt Ion: 75 Resp: 75235
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.1 34.8 52.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.229 ug/l
RT: 12.975 min Scan# 1950
Delta R.T. 0.031 min
Lab File: VX030285.D
Acq: 28 Jul 2022 21:16

Tgt Ion: 75 Resp: 219
Ion Ratio Lower Upper
75 100
155 0.0 45.0 134.8#
157 0.0 56.9 170.7#





#95

Naphthalene

Concen: 0.327 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX030285.D

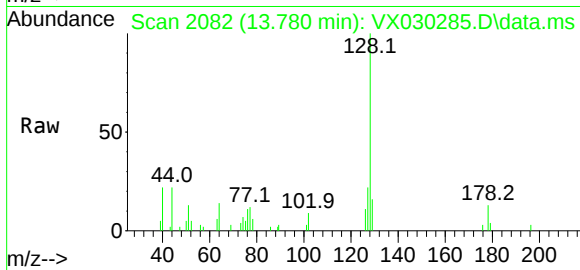
Acq: 28 Jul 2022 21:16

Instrument :

MSVOA_X

ClientSampleId :

EB-03-07112022



Tgt Ion:128 Resp: 3607

Ion Ratio Lower Upper

128 100

127 17.1 10.2 15.2#

129 14.4 8.6 13.0#

