

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082521\
 Data File : VX023932.D
 Acq On : 25 Aug 2021 12:46
 Operator : JC/MD
 Sample : M3433-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-VPB-RW7-EB-20210812

Quant Time: Aug 26 07:35:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

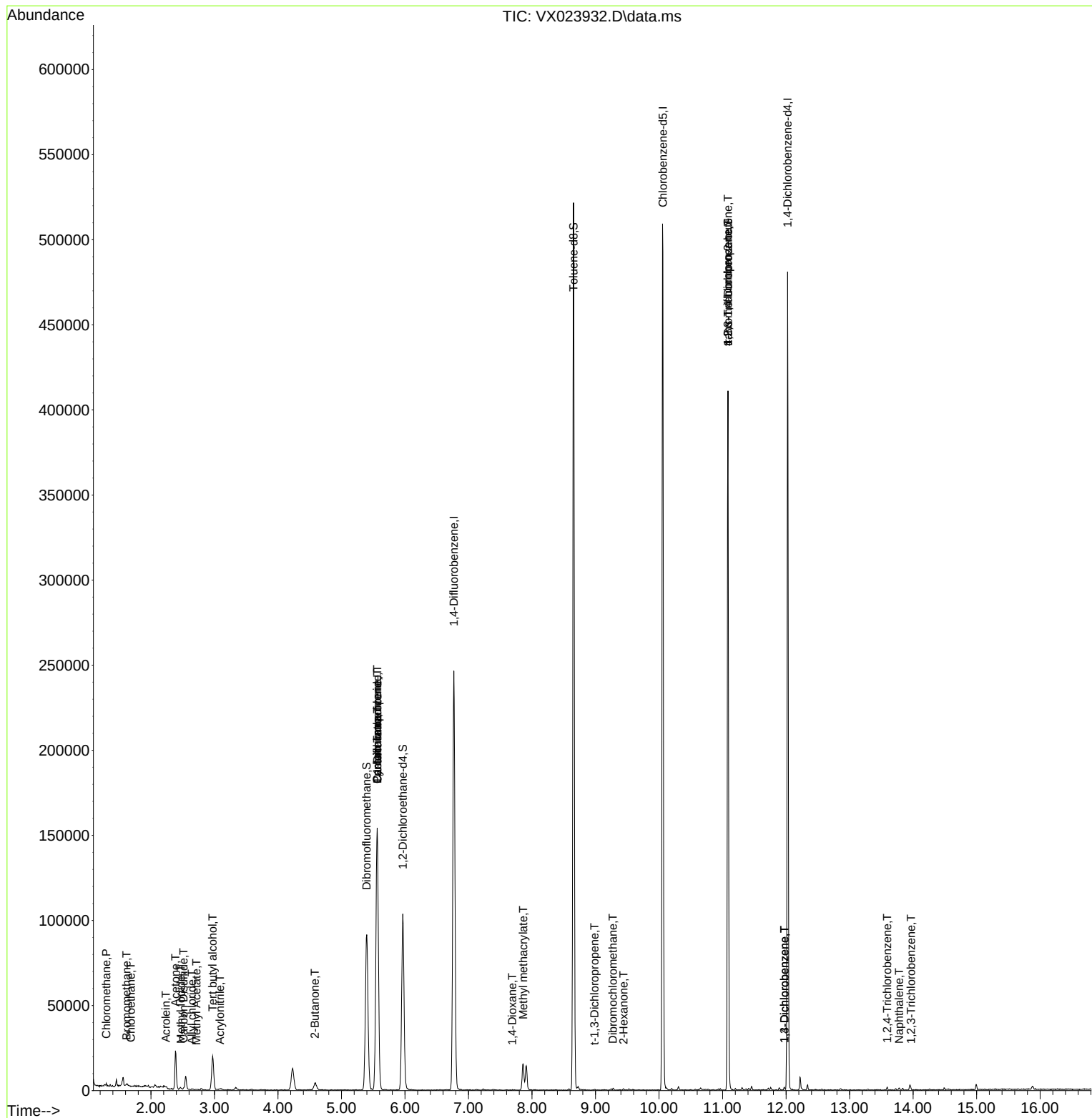
Internal Standards						
1) Pentafluorobenzene	5.562	168	141722	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	242739	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	224388	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100065	50.589	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.180%
35) Dibromofluoromethane	5.397	113	76916	47.874	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.740%
50) Toluene-d8	8.653	98	293560	48.007	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.020%
62) 4-Bromofluorobenzene	11.085	95	102478	45.524	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.040%
Target Compounds						Qvalue
3) Chloromethane	1.294	50	1101	0.671	ug/l	94
5) Bromomethane	1.617	94	656	0.652	ug/l #	64
6) Chloroethane	1.685	64	34	2.242	ug/l #	43
10) Methyl Iodide	2.471	142	1527	0.771	ug/l #	90
11) Tert butyl alcohol	2.971	59	21642	54.103	ug/l	98
13) Acrolein	2.233	56	81	0.340	ug/l	84
14) Allyl chloride	2.642	41	756	0.302	ug/l #	57
15) Acrylonitrile	3.087	53	198	0.222	ug/l #	65
16) Acetone	2.386	43	23787	26.896	ug/l #	86
17) Carbon Disulfide	2.514	76	1236	0.381	ug/l #	75
18) Methyl Acetate	2.715	43	501	0.227	ug/l #	47
25) 2-Butanone	4.580	43	1570	1.172	ug/l	90
31) Cyclohexane	5.562	56	3438	1.353	ug/l #	9
36) 1,1-Dichloropropene	5.562	75	11206	4.985	ug/l #	49
38) Carbon Tetrachloride	5.562	117	15176	6.474	ug/l #	17
48) Methyl methacrylate	7.860	41	6938	3.291	ug/l #	34
49) 1,4-Dioxane	7.690	88	18	0.404	ug/l #	24
53) t-1,3-Dichloropropene	8.982	75	171	2.194	ug/l #	44
59) 2-Hexanone	9.439	43	465	0.217	ug/l	65
60) Dibromochloromethane	9.275	129	220	1.797	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	55668	25.319	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	55668	74.477	ug/l #	12
87) 1,3-Dichlorobenzene	11.975	146	644	0.201	ug/l	90
88) 1,4-Dichlorobenzene	11.975	146	644	0.202	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	551	0.295	ug/l	79
95) Naphthalene	13.780	128	1026	1.427	ug/l #	87
96) 1,2,3-Trichlorobenzene	13.969	180	379	0.204	ug/l	76

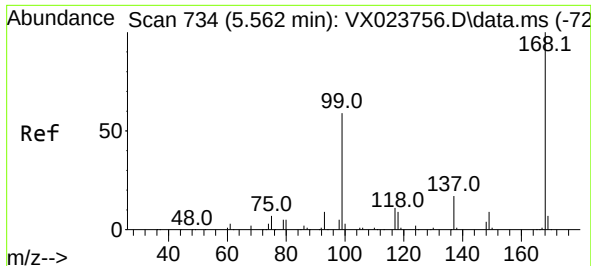
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

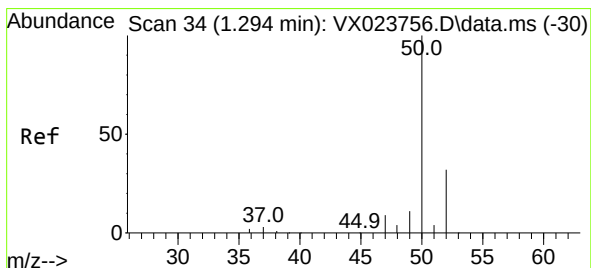
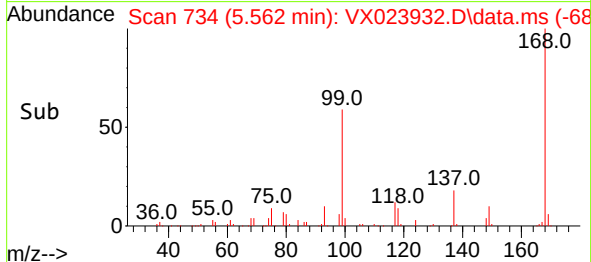
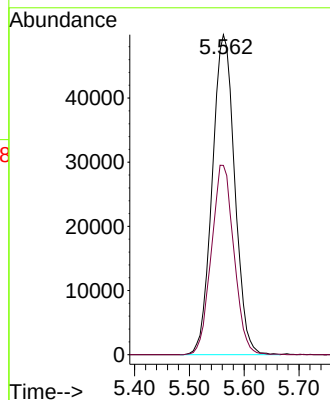
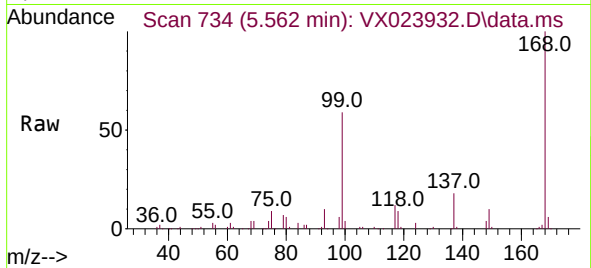




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

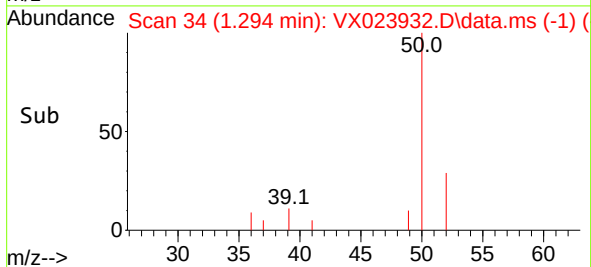
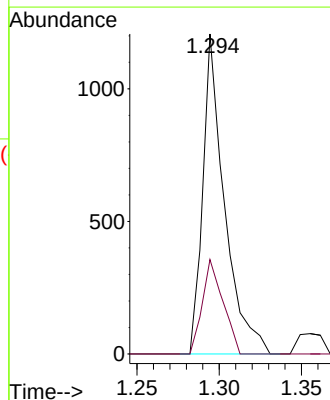
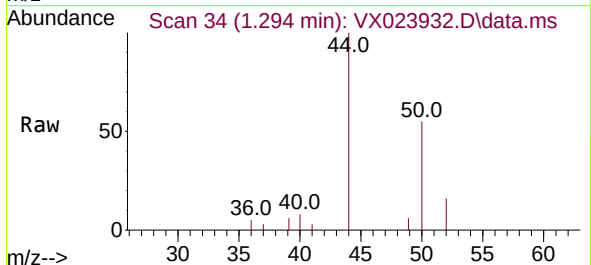
Instrument :
MSVOA_X
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BP-TT-VPB-RW7-EB-20210812

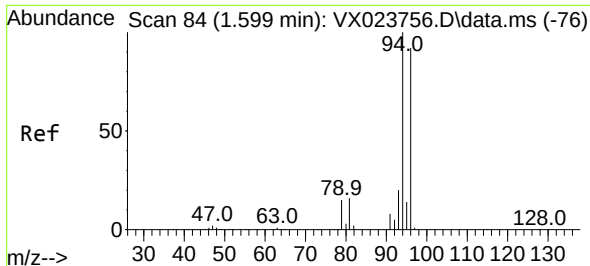
Tgt Ion:168 Resp: 141722
Ion Ratio Lower Upper
168 100
99 59.1 45.8 68.6



#3
Chloromethane
Concen: 0.671 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

Tgt Ion: 50 Resp: 1101
Ion Ratio Lower Upper
50 100
52 29.5 26.4 39.6

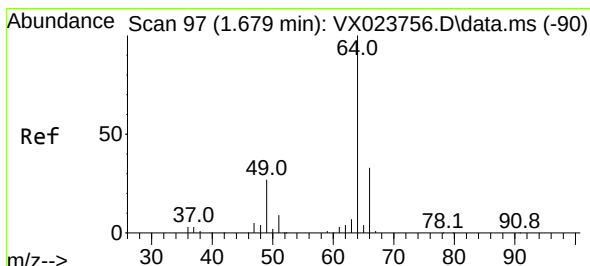
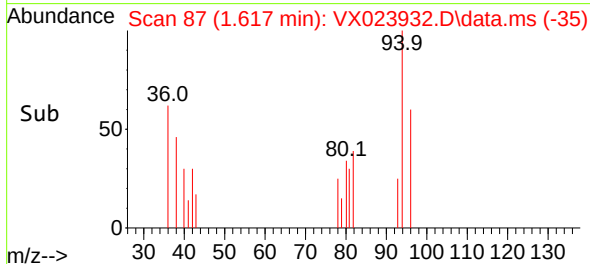
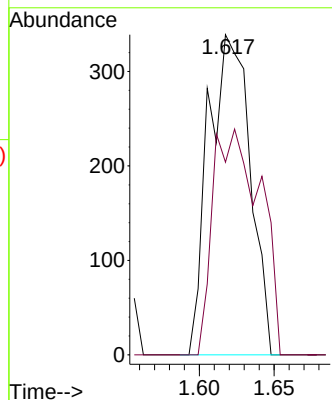
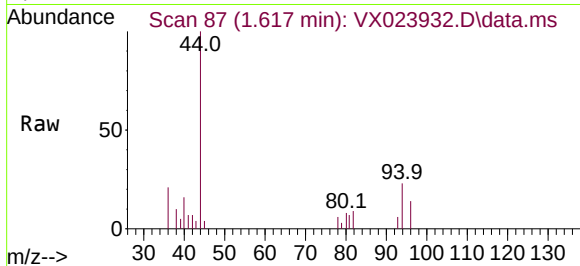




#5
Bromomethane
Concen: 0.652 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

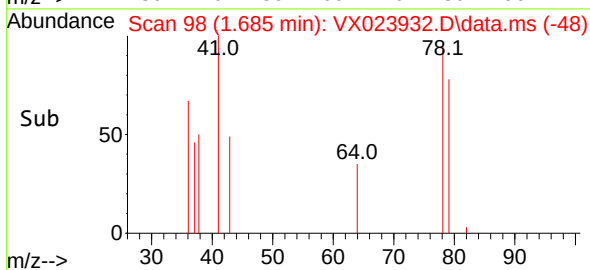
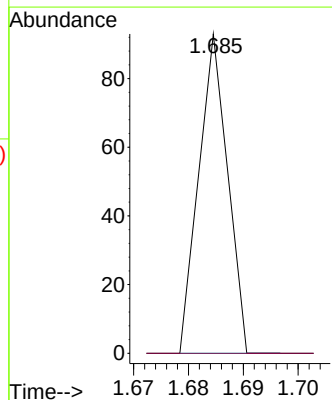
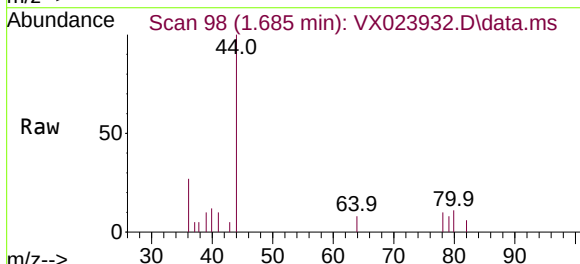
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-EB-20210812

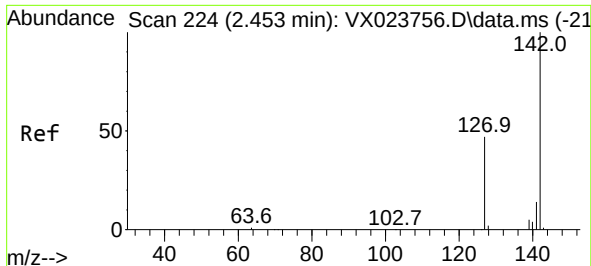
Tgt Ion: 94 Resp: 656
Ion Ratio Lower Upper
94 100
96 60.2 76.4 114.6#



#6
Chloroethane
Concen: 2.242 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

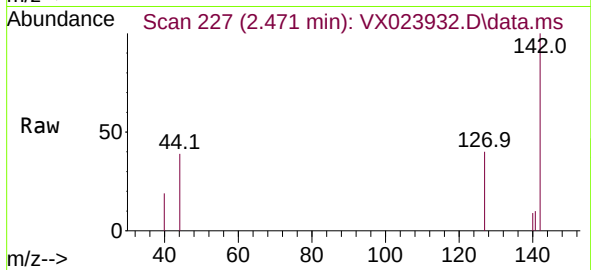
Tgt Ion: 64 Resp: 34
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



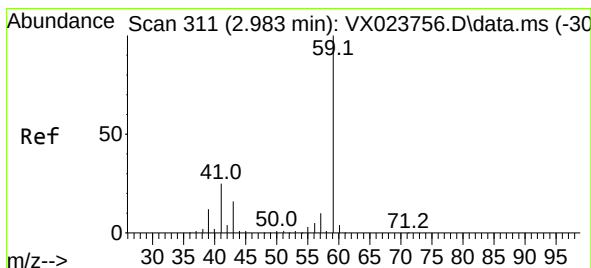
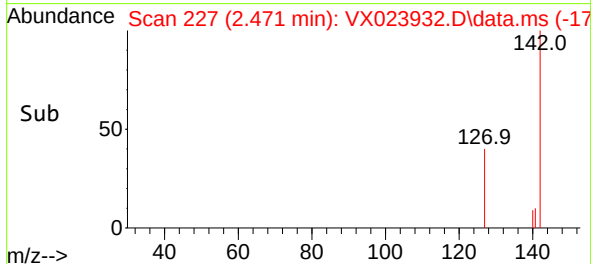
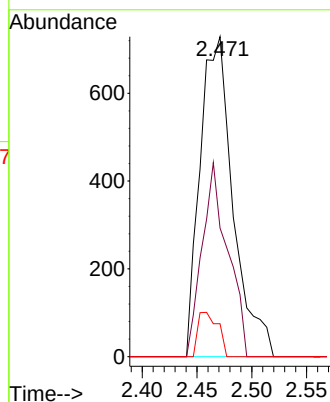


#10
Methyl Iodide
Concen: 0.771 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-EB-20210812

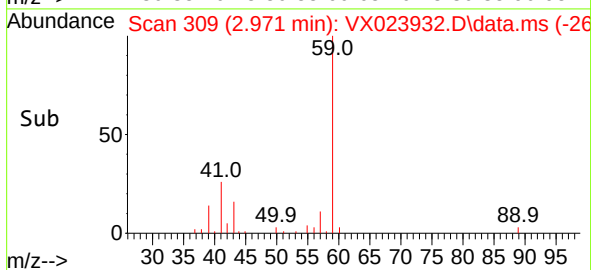
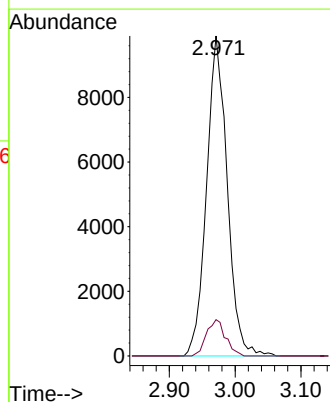
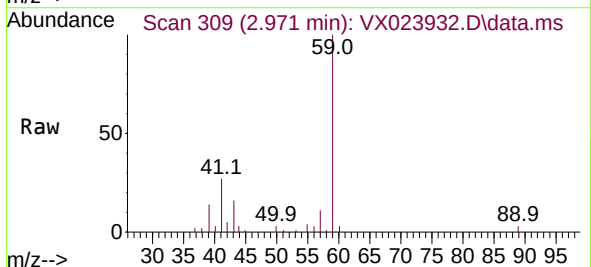


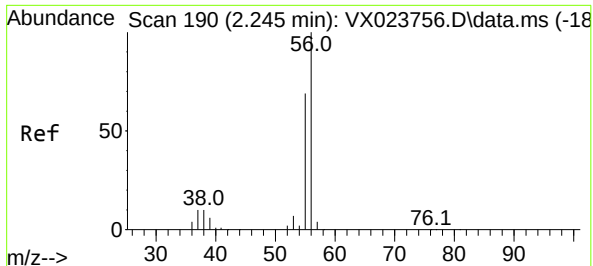
Tgt Ion:142 Resp: 1527
Ion Ratio Lower Upper
142 100
127 47.0 33.3 49.9
141 8.4 11.4 17.0#



#11
Tert butyl alcohol
Concen: 54.103 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

Tgt Ion: 59 Resp: 21642
Ion Ratio Lower Upper
59 100
57 10.5 7.8 11.8

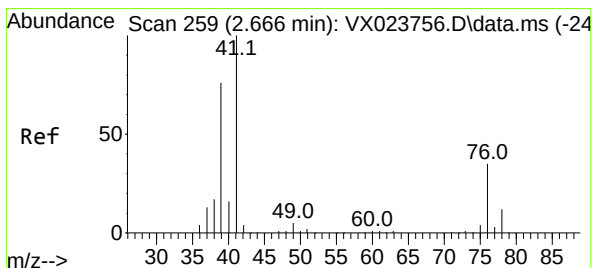
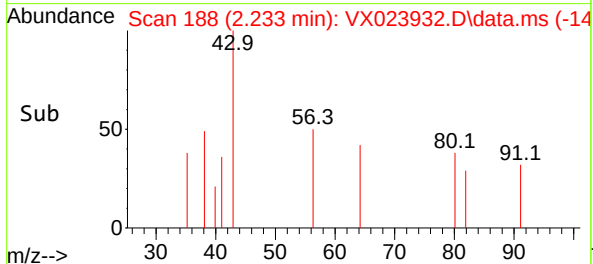
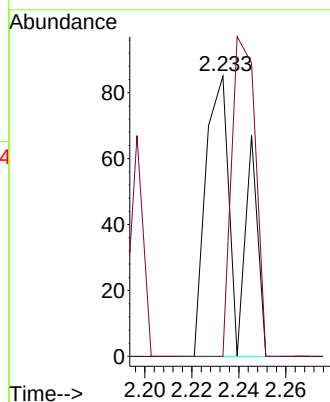
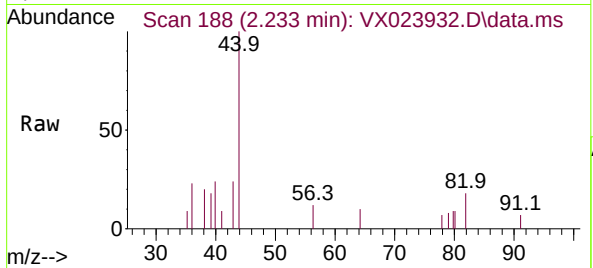




#13
Acrolein
Concen: 0.340 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.012 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

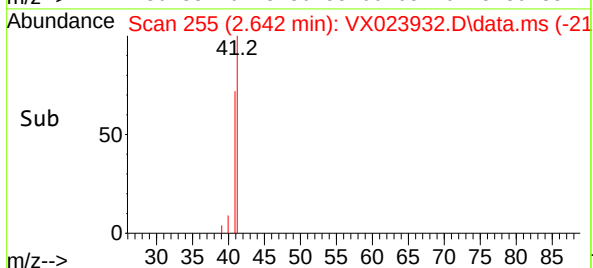
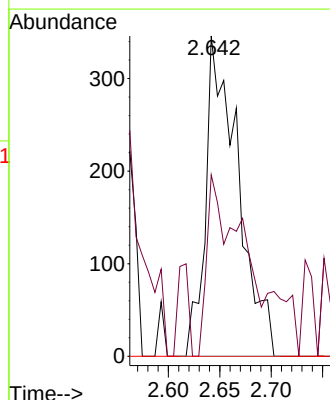
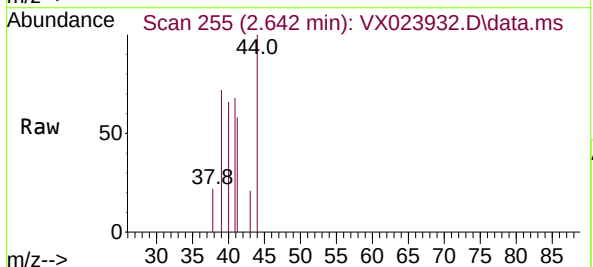
Instrument :
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ClientSampleId :
BP-TT-VPB-RW7-EB-20210812

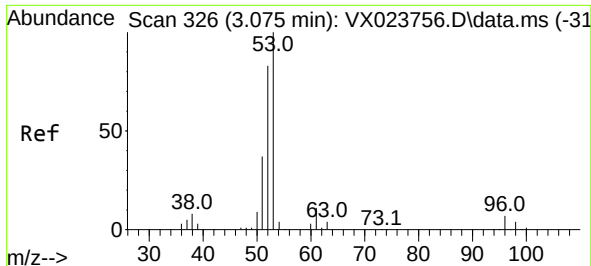
Tgt Ion: 56 Resp: 81
Ion Ratio Lower Upper
56 100
55 84.0 56.4 84.6



#14
Allyl chloride
Concen: 0.302 ug/l
RT: 2.642 min Scan# 255
Delta R.T. -0.024 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

Tgt Ion: 41 Resp: 756
Ion Ratio Lower Upper
41 100
39 40.5 51.6 77.4#
76 0.0 30.5 45.7#

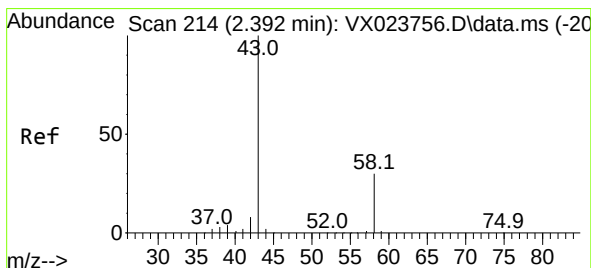
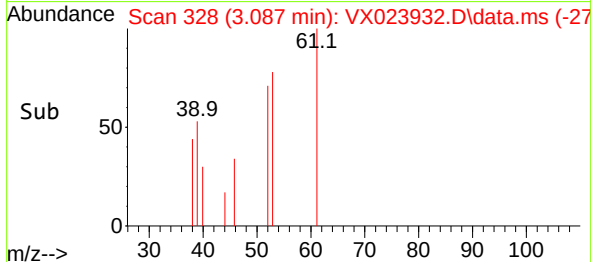
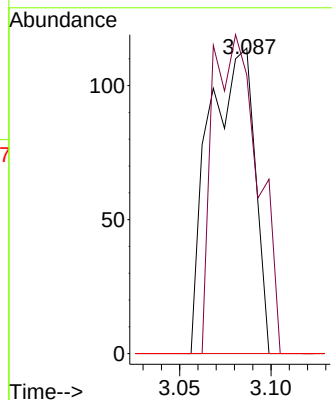
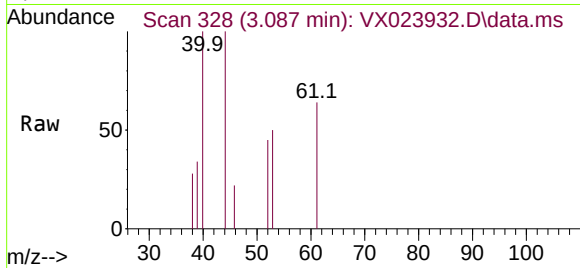




#15
Acrylonitrile
Concen: 0.222 ug/l
RT: 3.087 min Scan# 328
Delta R.T. 0.012 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

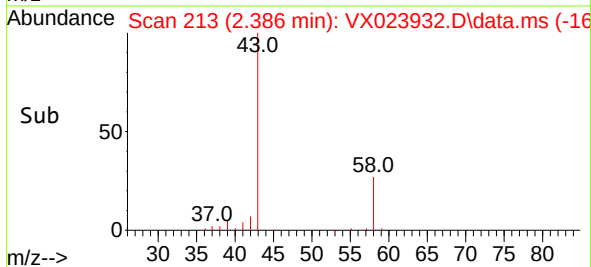
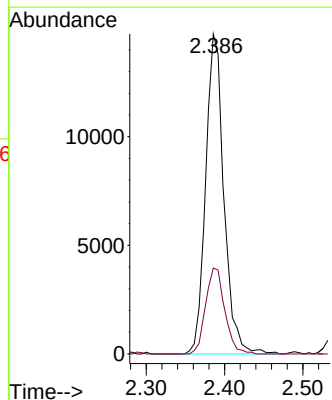
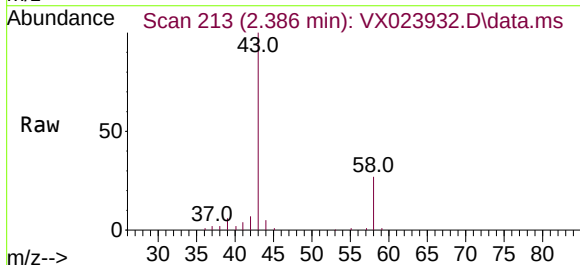
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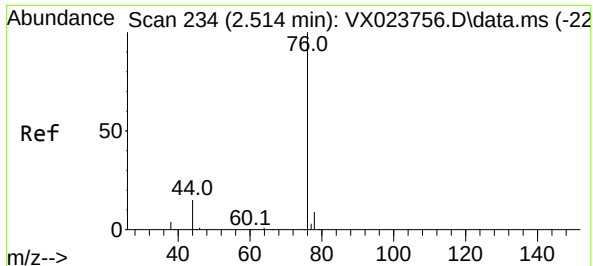
Tgt Ion: 53	Resp:	198
Ion	Ratio	Lower Upper
53	100	
52	103.0	65.3 97.9#
51	0.0	28.2 42.2#



#16
Acetone
Concen: 26.896 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

Tgt Ion: 43	Resp:	23787
Ion	Ratio	Lower Upper
43	100	
58	26.8	27.8 41.8#

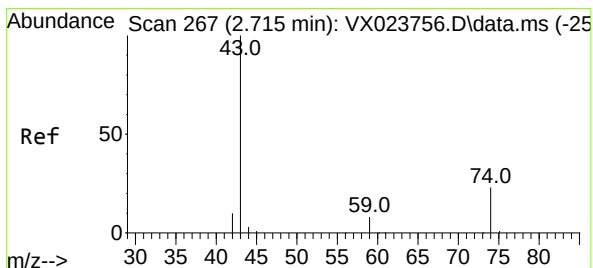
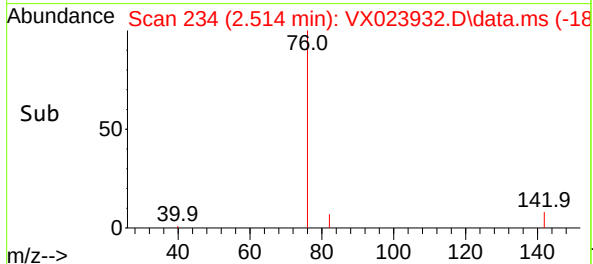
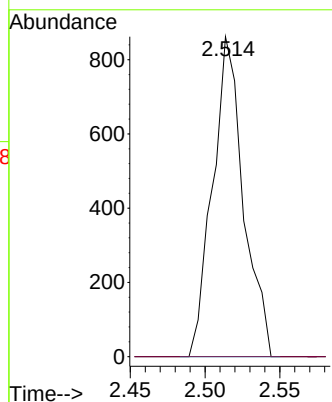
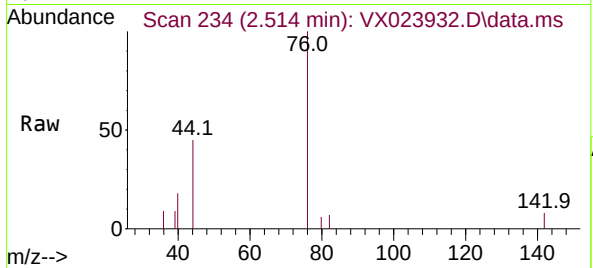




#17
Carbon Disulfide
Concen: 0.381 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

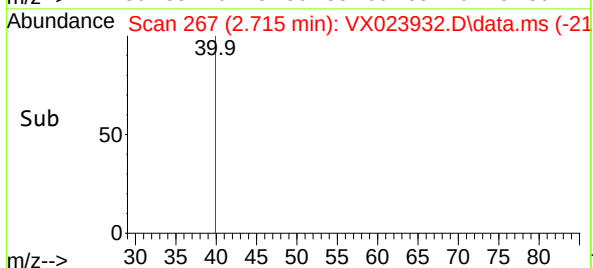
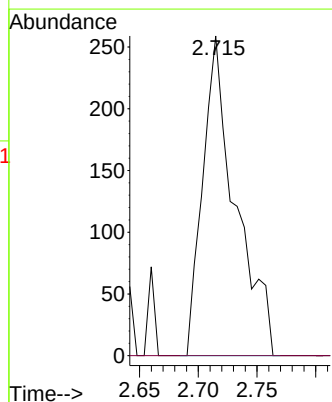
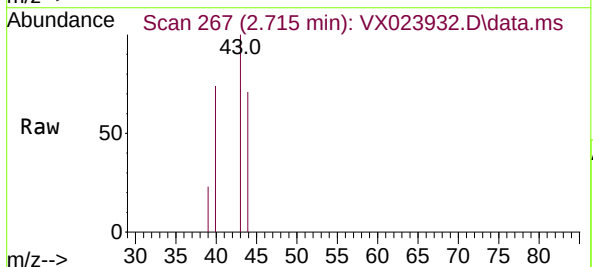
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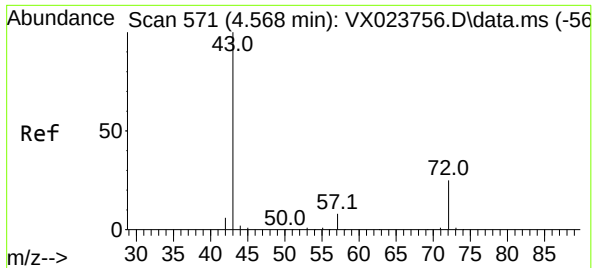
Tgt Ion: 76 Resp: 1236
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.227 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

Tgt Ion: 43 Resp: 501
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#

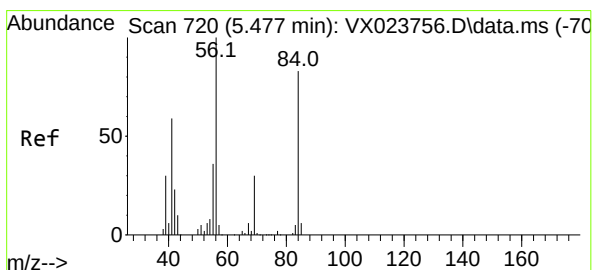
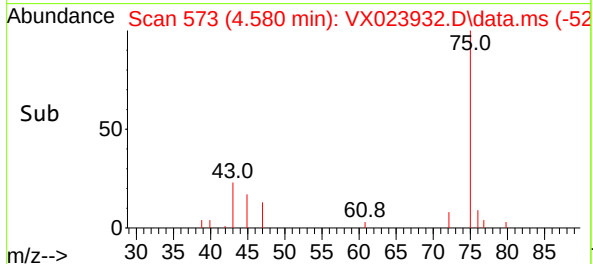
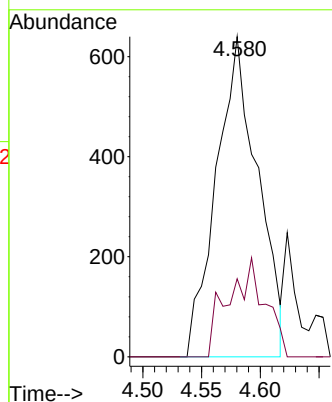
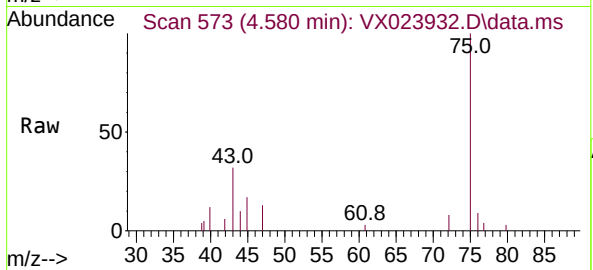




#25
2-Butanone
Concen: 1.172 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

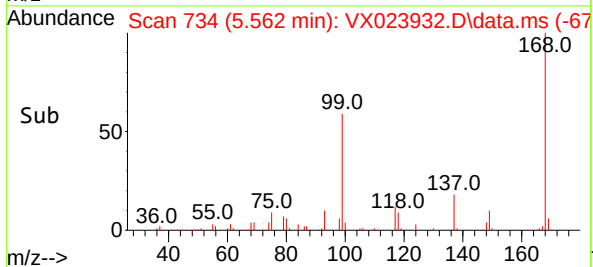
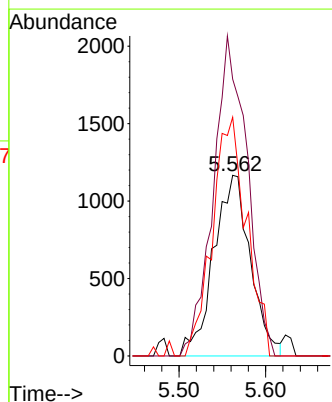
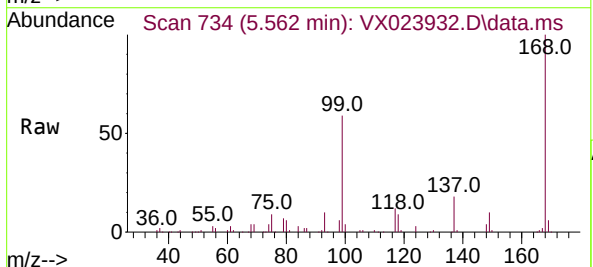
Instrument :
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ClientSampleId :
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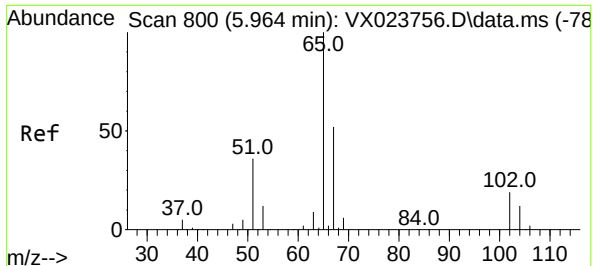
Tgt Ion: 43 Resp: 1570
Ion Ratio Lower Upper
43 100
72 24.4 23.7 35.5



#31
Cyclohexane
Concen: 1.353 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

Tgt Ion: 56 Resp: 3438
Ion Ratio Lower Upper
56 100
69 153.3 25.3 37.9#
84 132.2 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 50.589 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

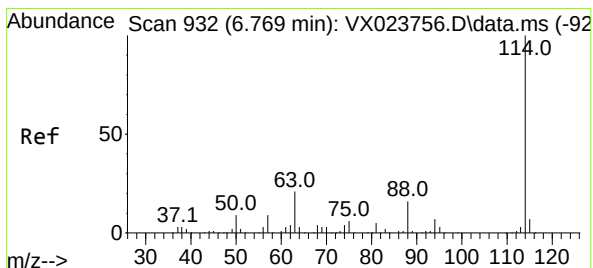
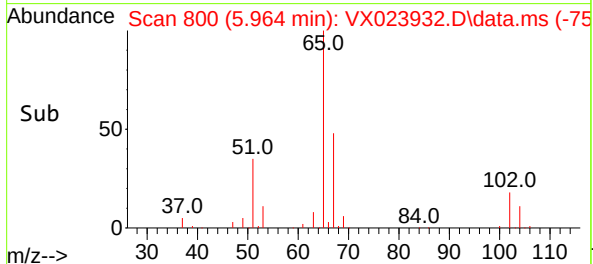
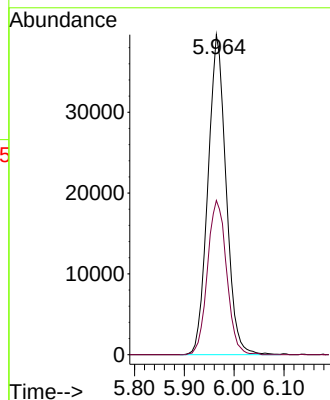
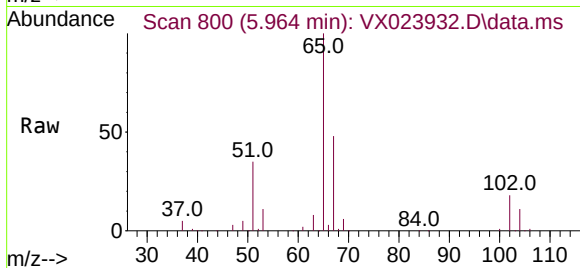
Lab File: VX023932.D

Acq: 25 Aug 2021 12:46

Tgt Ion: 65 Resp: 100065

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

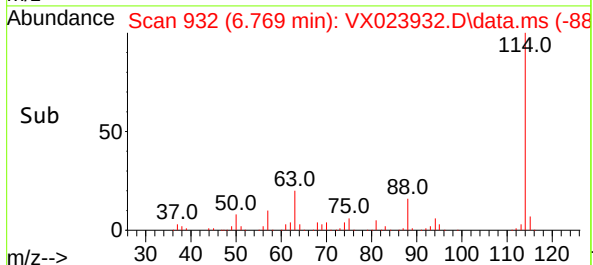
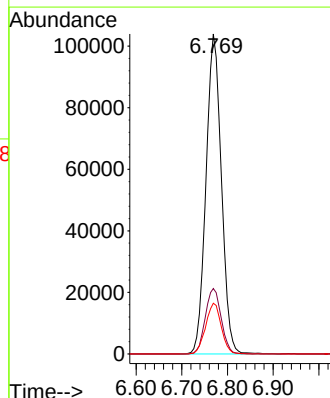
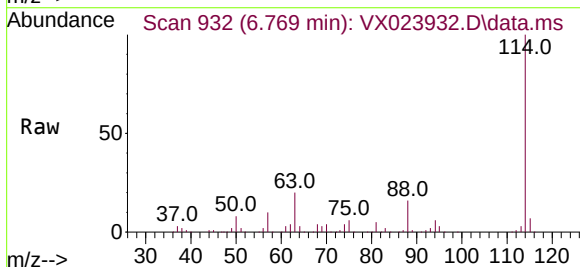
Lab File: VX023932.D

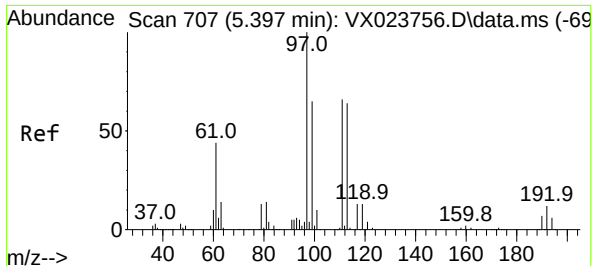
Acq: 25 Aug 2021 12:46

Tgt Ion: 114 Resp: 242739

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.8
88	15.9	0.0	32.8

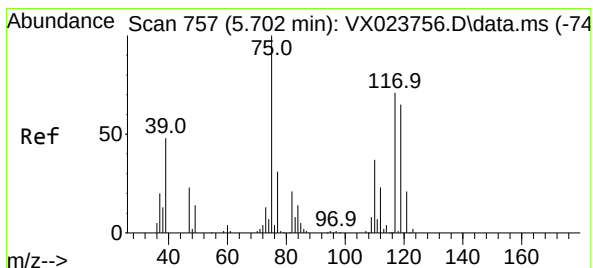
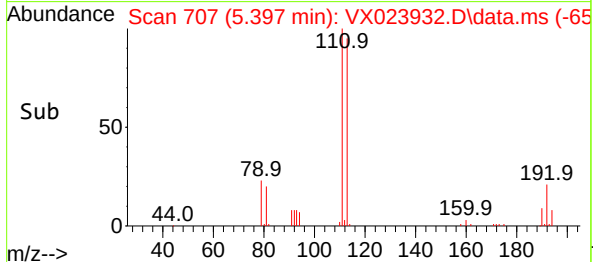
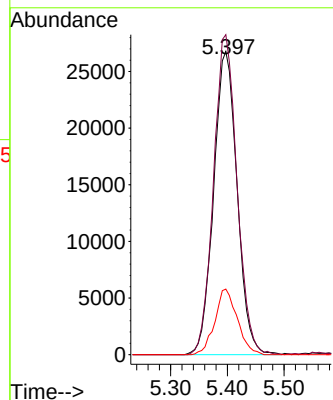
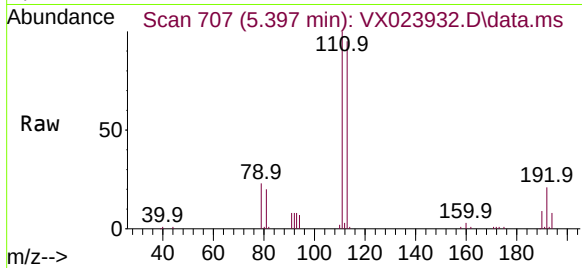




#35
Dibromofluoromethane
Concen: 47.874 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

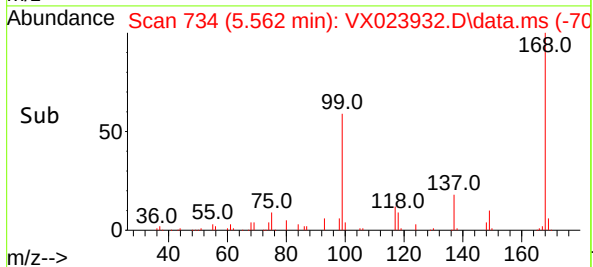
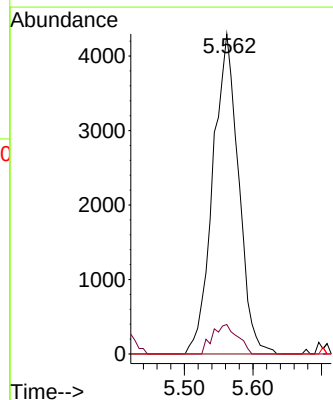
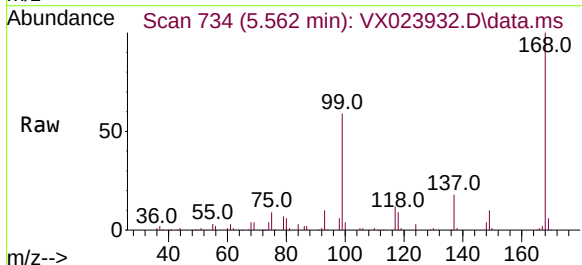
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-EB-20210812

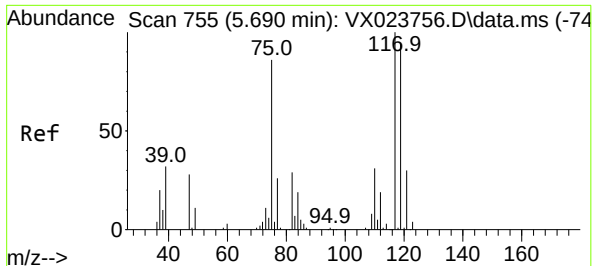
Tgt Ion:113 Resp: 76916
Ion Ratio Lower Upper
113 100
111 105.4 81.9 122.9
192 20.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.985 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

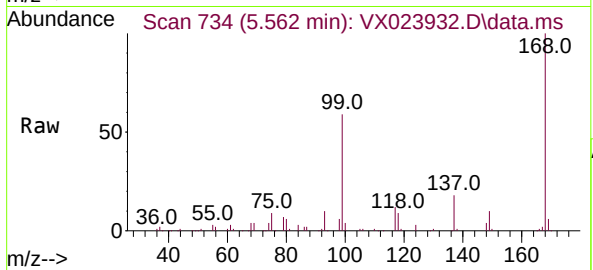
Tgt Ion: 75 Resp: 11206
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.4#
77 0.0 25.3 37.9#



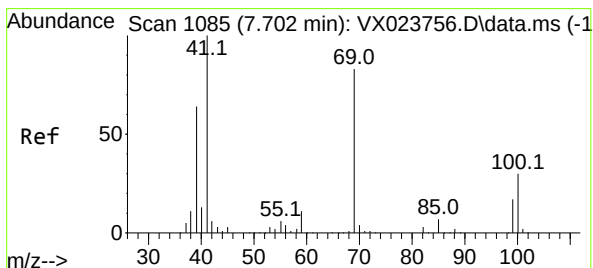
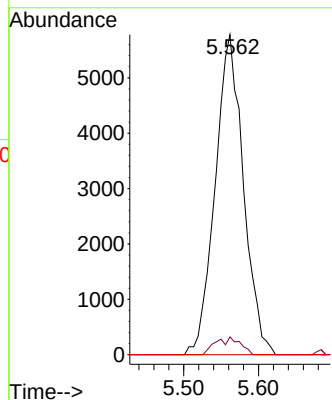
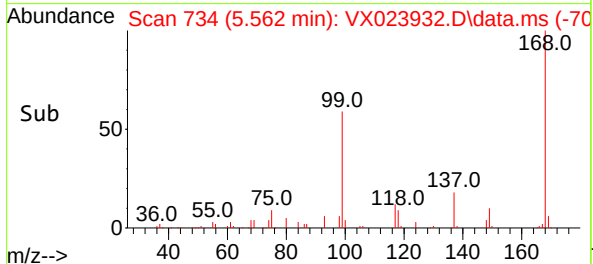


#38
Carbon Tetrachloride
Concen: 6.474 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

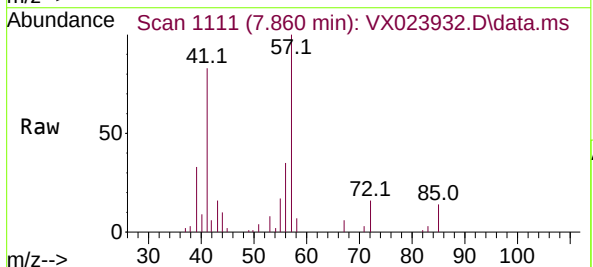
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-EB-20210812



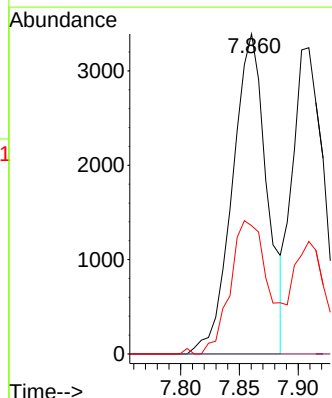
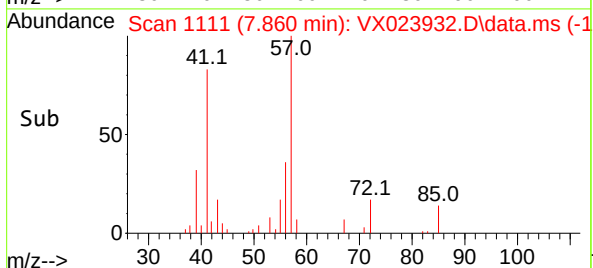
Tgt Ion:117 Resp: 15176
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 24.8 37.2#

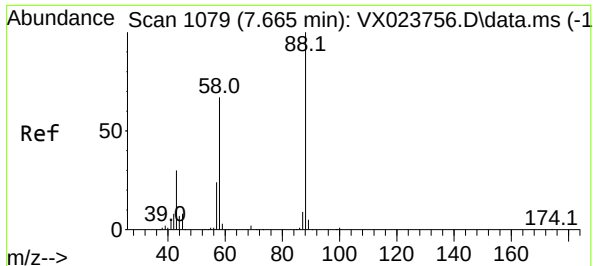


#48
Methyl methacrylate
Concen: 3.291 ug/l
RT: 7.860 min Scan# 1111
Delta R.T. 0.158 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46



Tgt Ion: 41 Resp: 6938
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 47.8 44.6 67.0

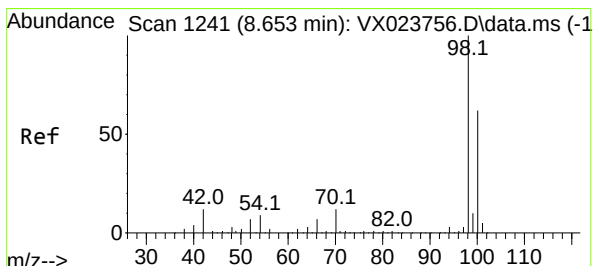
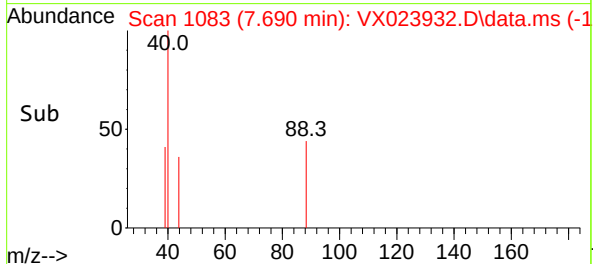
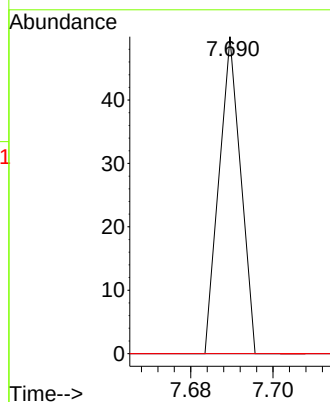
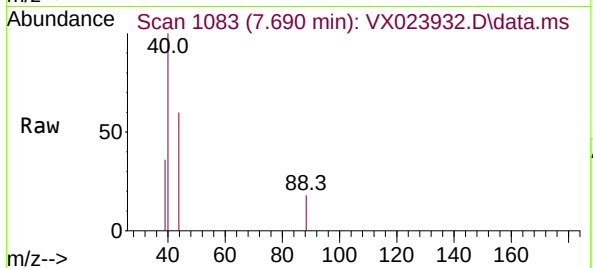




#49
1,4-Dioxane
Concen: 0.404 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.025 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

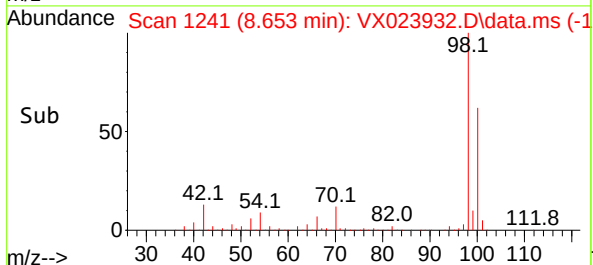
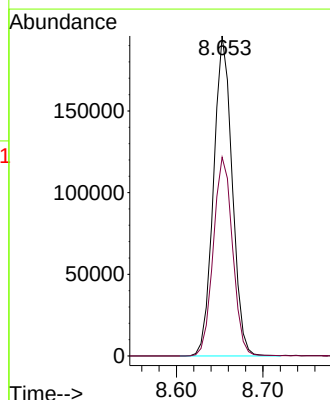
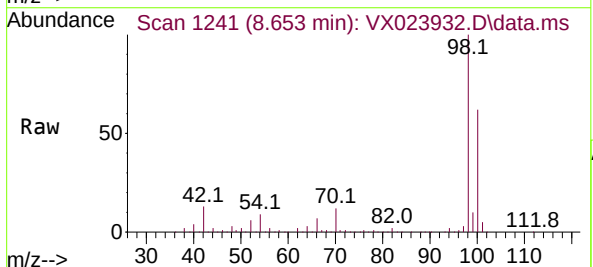
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-EB-20210812

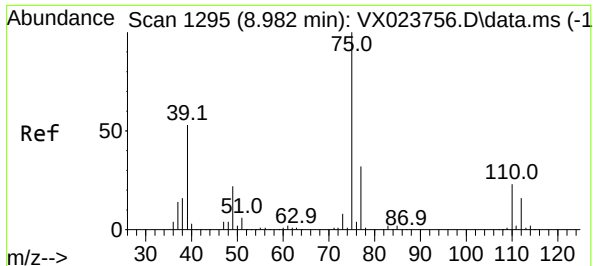
Tgt Ion: 88 Resp: 18
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 0.0 55.0 82.4#



#50
Toluene-d8
Concen: 48.007 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

Tgt Ion: 98 Resp: 293560
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9

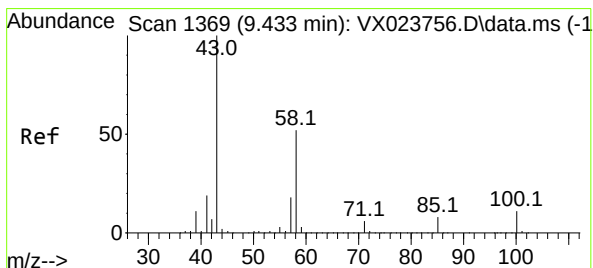
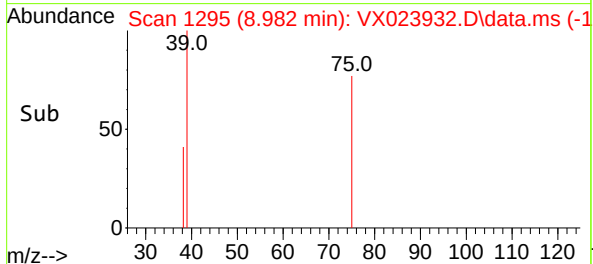
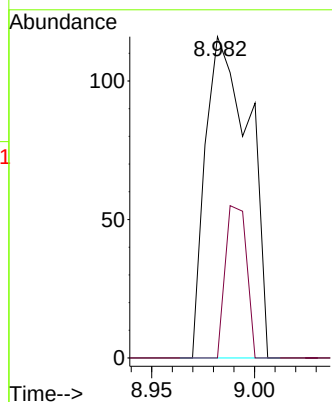
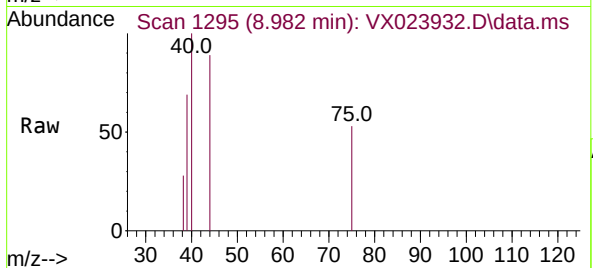




#53
t-1,3-Dichloropropene
Concen: 2.194 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

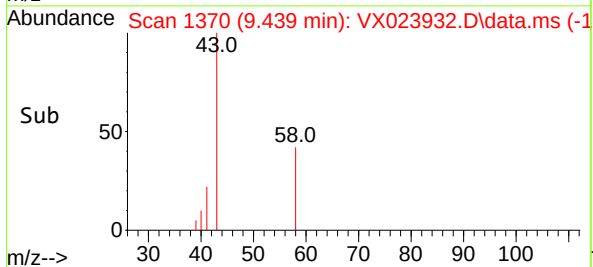
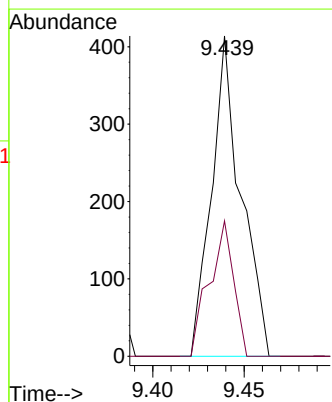
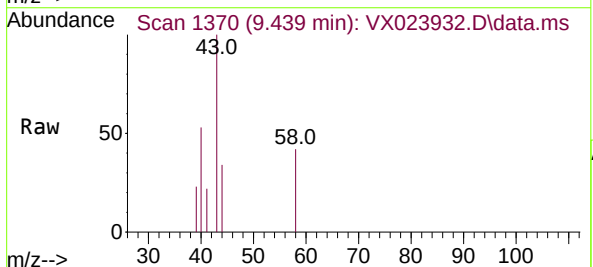
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-EB-20210812

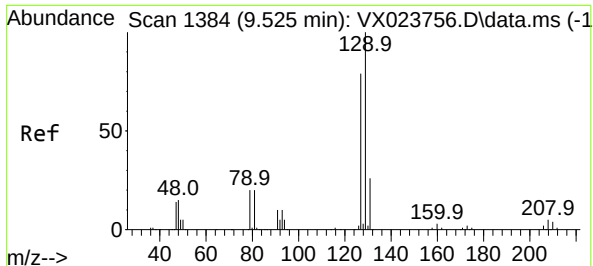
Tgt Ion: 75 Resp: 171
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#59
2-Hexanone
Concen: 0.217 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

Tgt Ion: 43 Resp: 465
Ion Ratio Lower Upper
43 100
58 34.8 30.9 92.8





#60

Dibromochloromethane

Concen: 1.797 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX023932.D

Acq: 25 Aug 2021 12:46

Instrument :

MSVOA_X

ClientSampleId :

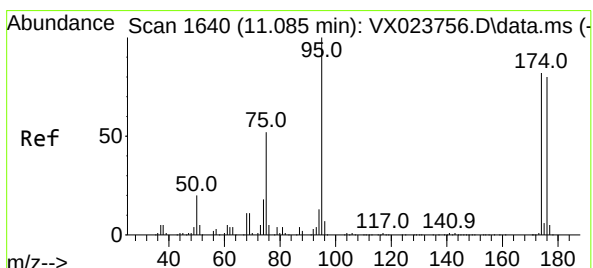
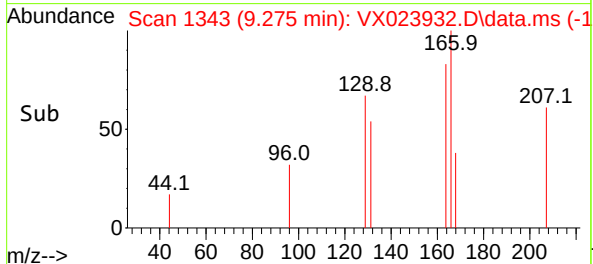
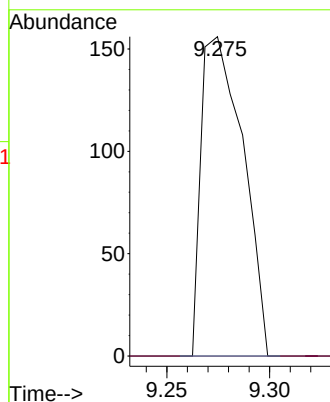
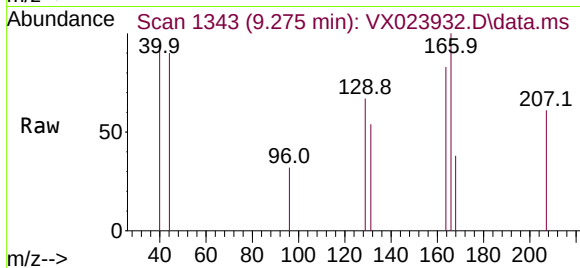
BP-TT-VPB-RW7-EB-20210812

Tgt Ion:129 Resp: 220

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 45.524 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX023932.D

Acq: 25 Aug 2021 12:46

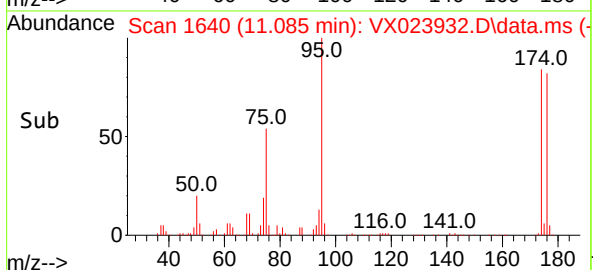
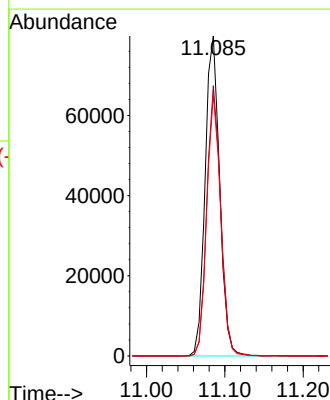
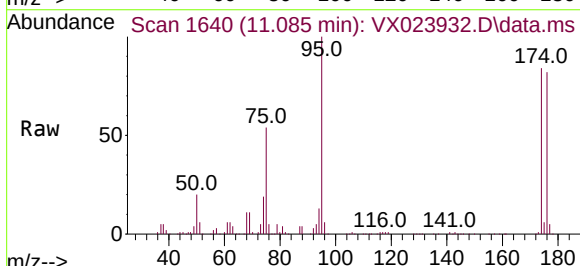
Tgt Ion: 95 Resp: 102478

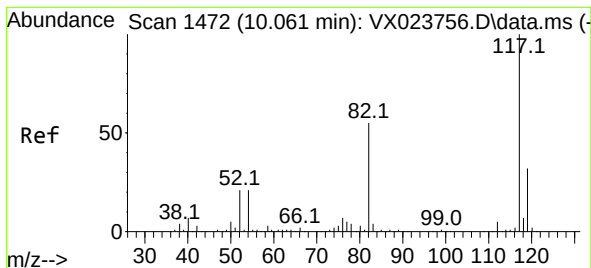
Ion Ratio Lower Upper

95 100

174 81.3 0.0 154.6

176 78.2 0.0 155.8

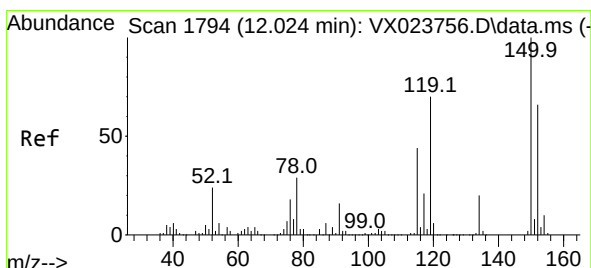
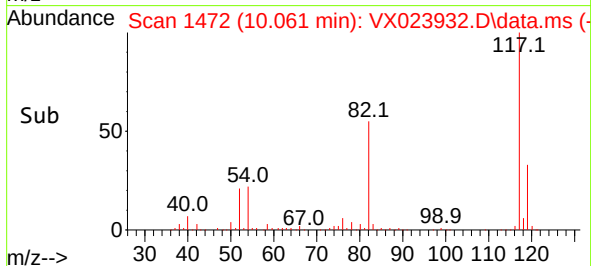
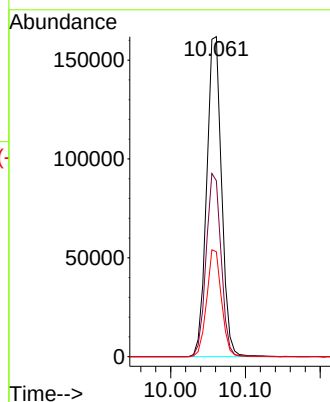
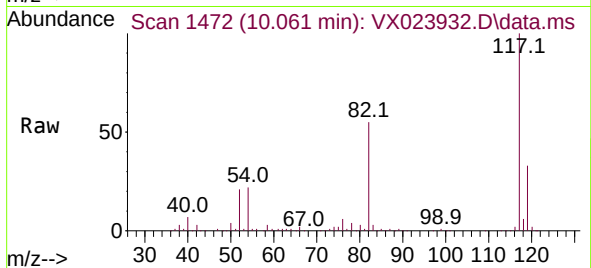




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

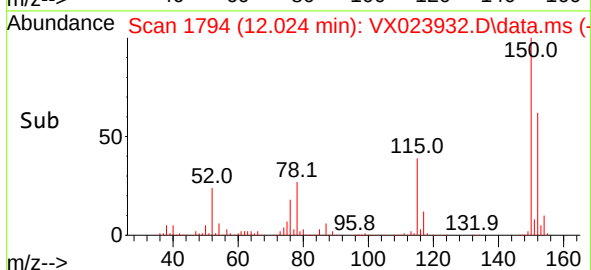
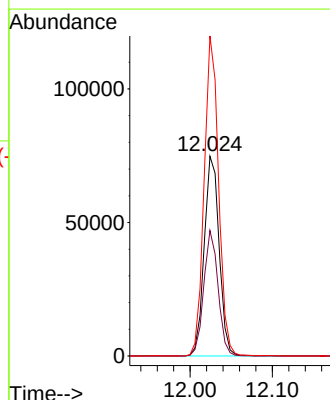
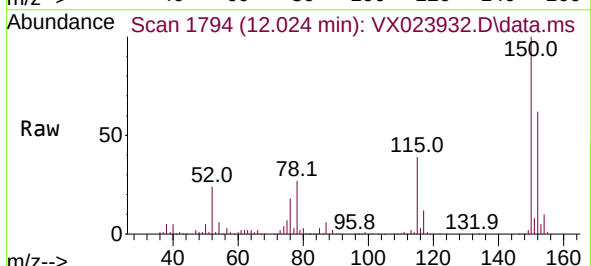
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-EB-20210812

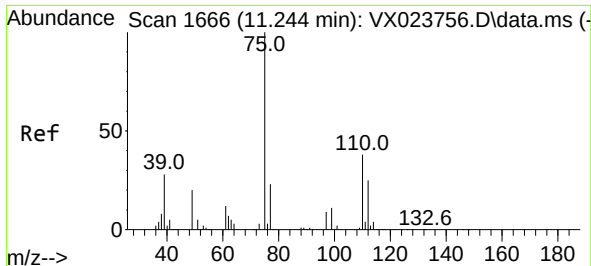
Tgt Ion:117 Resp: 224388
Ion Ratio Lower Upper
117 100
82 55.0 47.4 71.2
119 32.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

Tgt Ion:152 Resp: 94252
Ion Ratio Lower Upper
152 100
115 60.2 41.1 123.3
150 154.9 0.0 349.0

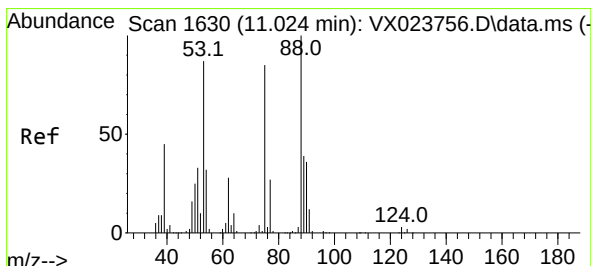
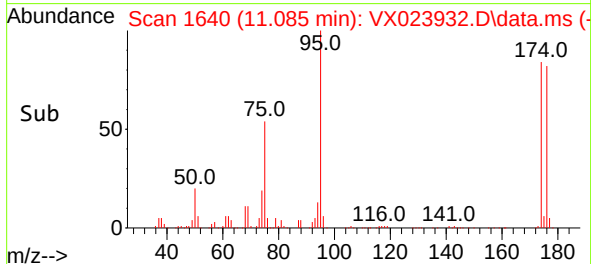
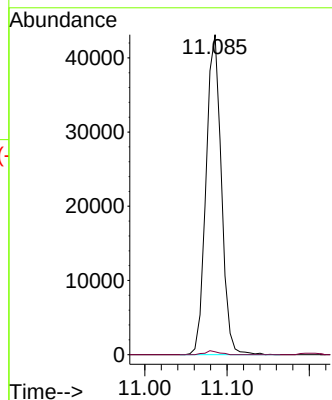
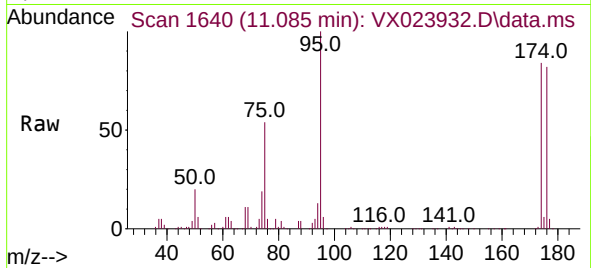




#76
1,2,3-Trichloropropane
Concen: 25.319 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

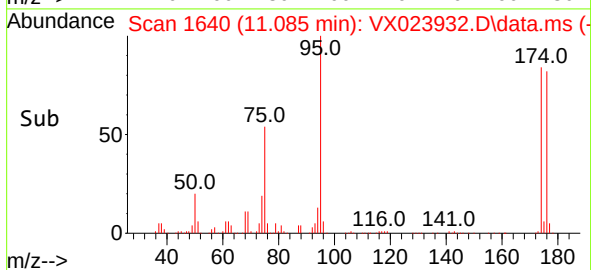
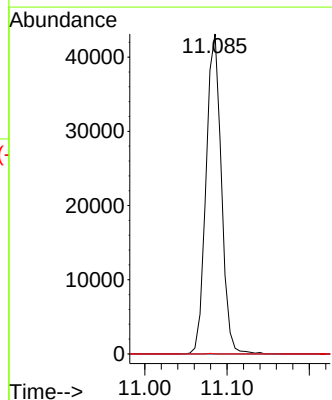
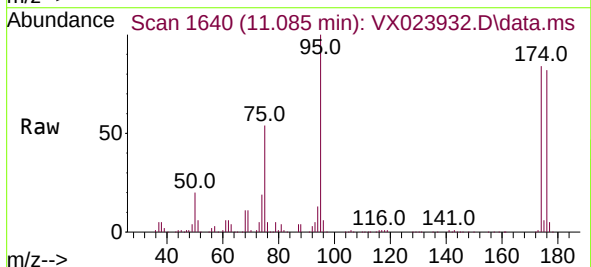
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-EB-20210812

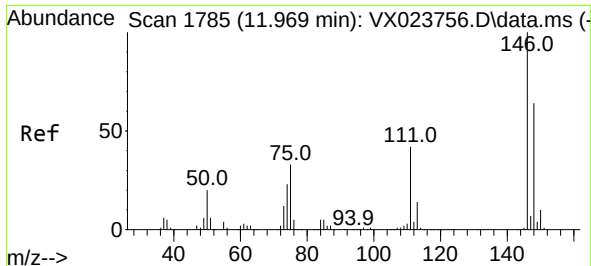
Tgt Ion: 75 Resp: 55668
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.477 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

Tgt Ion: 75 Resp: 55668
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#





#87

1,3-Dichlorobenzene

Concen: 0.201 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX023932.D

Acq: 25 Aug 2021 12:46

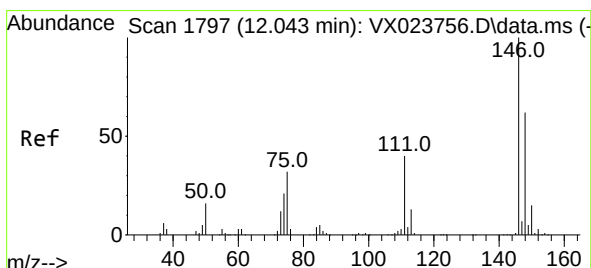
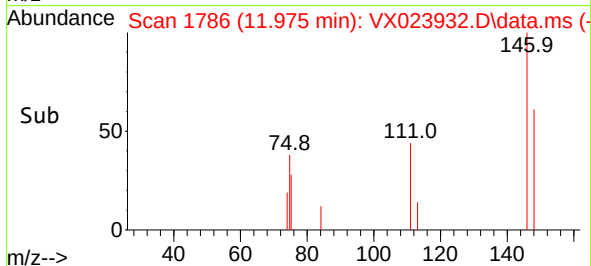
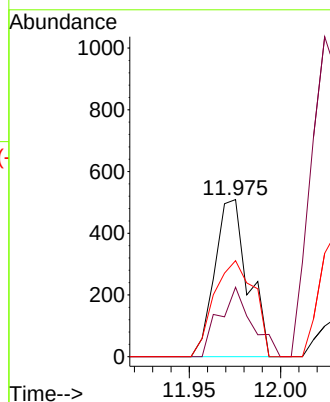
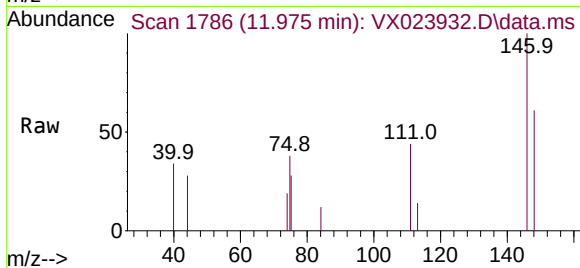
Tgt Ion:146 Resp: 644

Ion Ratio Lower Upper

146 100

111 43.5 20.2 60.5

148 73.9 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 0.202 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.068 min

Lab File: VX023932.D

Acq: 25 Aug 2021 12:46

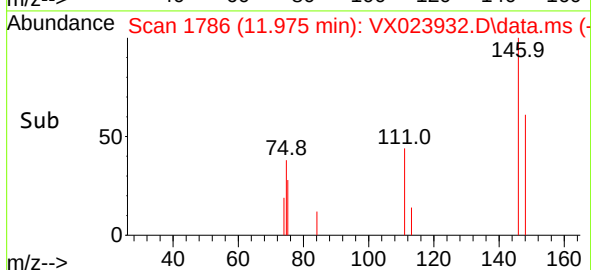
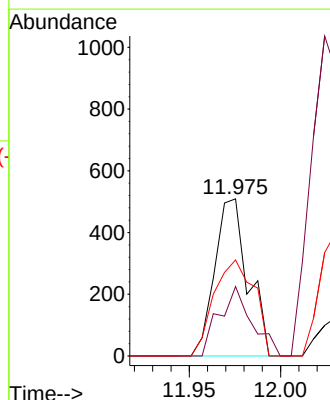
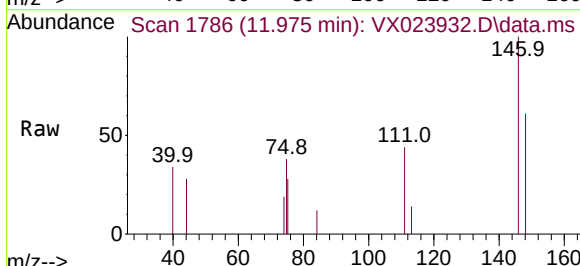
Tgt Ion:146 Resp: 644

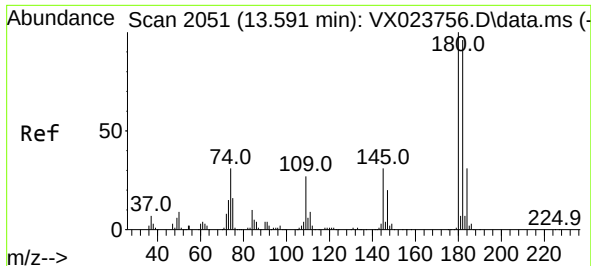
Ion Ratio Lower Upper

146 100

111 43.5 19.6 58.8

148 73.9 31.6 95.0

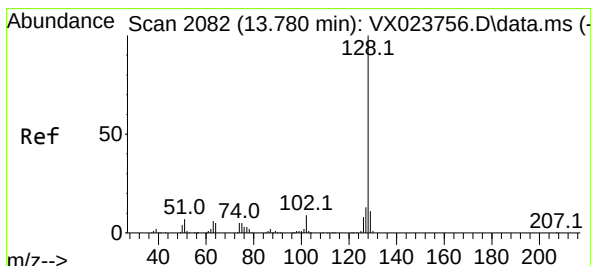
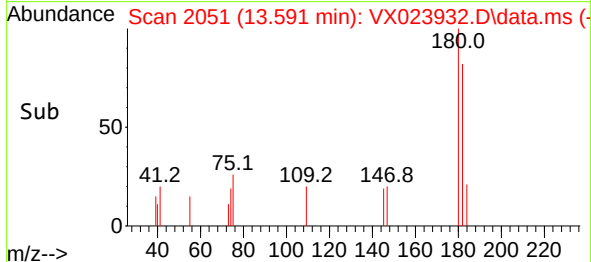
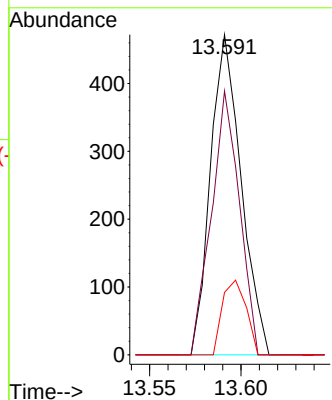
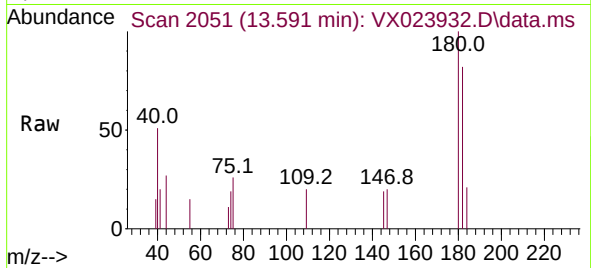




#93
1,2,4-Trichlorobenzene
Concen: 0.295 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

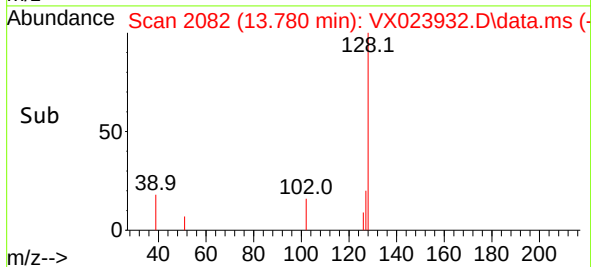
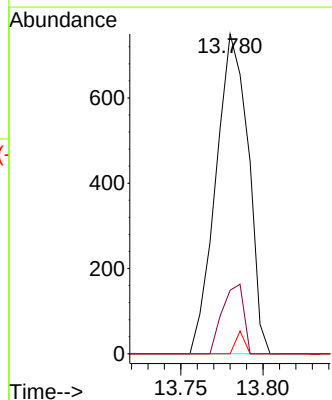
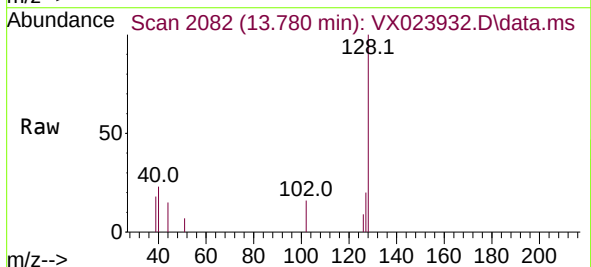
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-VPB-RW7-EB-20210812

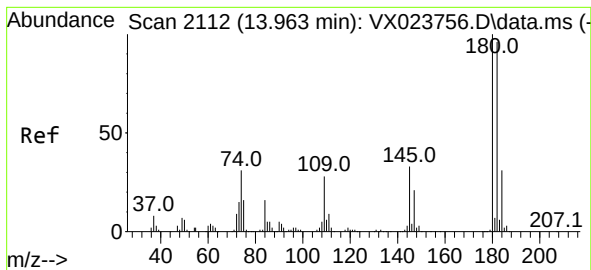
Tgt Ion:180 Resp: 551
Ion Ratio Lower Upper
180 100
182 75.1 47.7 143.1
145 18.0 15.0 45.0



#95
Naphthalene
Concen: 1.427 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023932.D
Acq: 25 Aug 2021 12:46

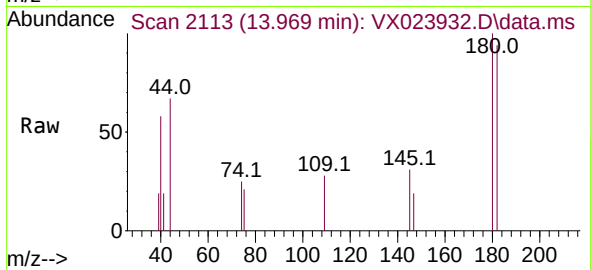
Tgt Ion:128 Resp: 1026
Ion Ratio Lower Upper
128 100
127 14.2 10.3 15.5
129 1.9 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.204 ug/l
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.006 min
 Lab File: VX023932.D
 Acq: 25 Aug 2021 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-VPB-RW7-EB-20210812



Tgt Ion:	180	Resp:	379
Ion	Ratio	Lower	Upper
180	100		
182	122.4	47.6	142.9
145	38.3	16.1	48.3

