

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011802.D
 Acq On : 13 Dec 2022 18:27
 Operator : KP/MD
 Sample : N6037-02
 Misc : 6.67g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-17-(1-3)

Quant Time: Dec 13 22:19:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

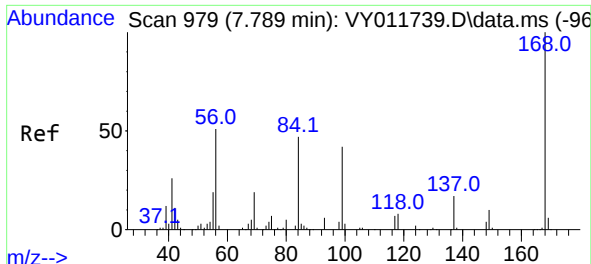
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	296018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	491050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	424865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	191905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	98631	48.703	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.400%		
35) Dibromofluoromethane	7.715	113	104500	47.721	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.440%		
50) Toluene-d8	10.178	98	304362	41.410	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	82.820%		
62) 4-Bromofluorobenzene	12.483	95	120852	41.690	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	83.380%		
Target Compounds						
3) Chloromethane	2.119	50	194	Below Cal	#	41
4) Vinyl Chloride	2.137	62	19	Below Cal	#	43
5) Bromomethane	2.674	94	133	Below Cal		85
11) Tert butyl alcohol	4.929	59	372	Below Cal	#	74
18) Methyl Acetate	4.497	43	185	Below Cal	#	50
20) Methylene Chloride	4.716	84	29660	5.024	ug/l	95
29) Tetrahydrofuran	7.350	42	613	1.036	ug/l #	83
31) Cyclohexane	7.795	56	5935	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	22212	5.961	ug/l #	50
38) Carbon Tetrachloride	7.789	117	29286	6.691	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	65348	33.657	ug/l #	100
77) Bromobenzene	12.422	156	43449	14.967	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	65348	76.375	ug/l #	14

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

Quant Time: Dec 13 22:19:29 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
Quant Title : SW846 8260
QLast Update : Sat Dec 10 04:19:59 2022
Response via : Initial Calibration

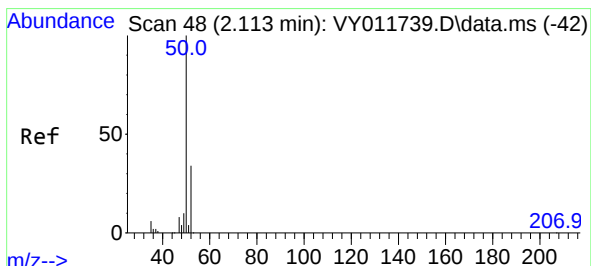
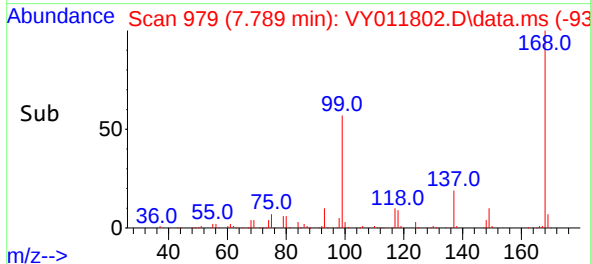
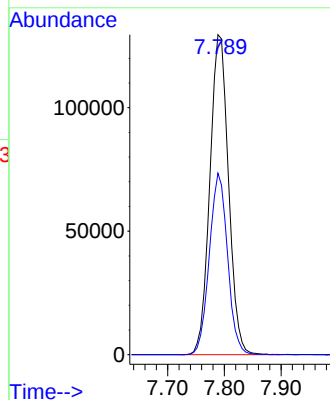
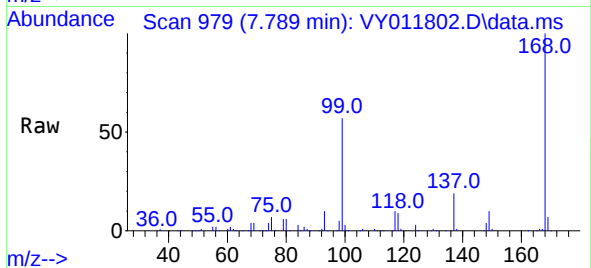




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011802.D
Acq: 13 Dec 2022 18:27

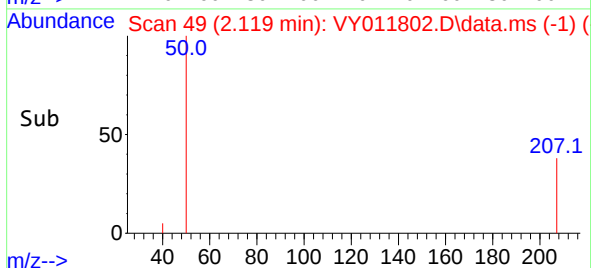
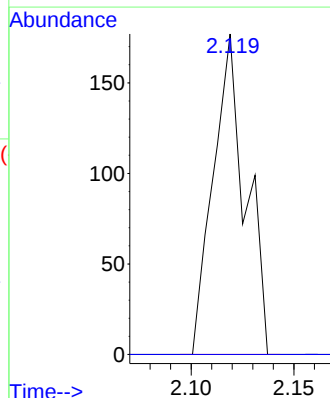
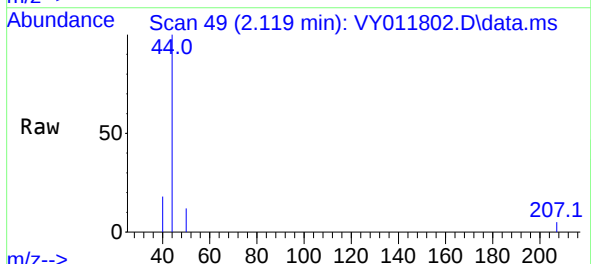
Instrument :
MSVOA_Y
ClientSampleId :
RB-17-(1-3)

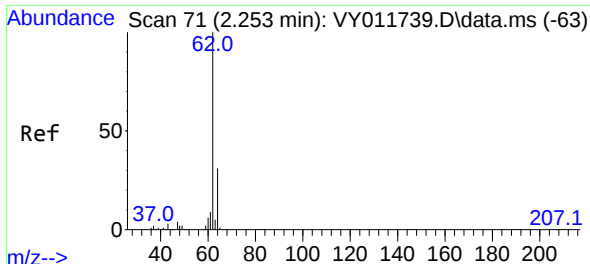
Tgt Ion:168 Resp: 296018
Ion Ratio Lower Upper
168 100
99 56.7 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011802.D
Acq: 13 Dec 2022 18:27

Tgt Ion: 50 Resp: 194
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

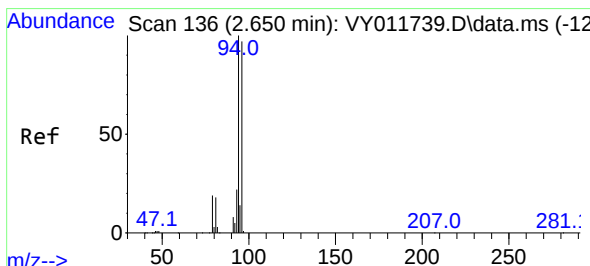
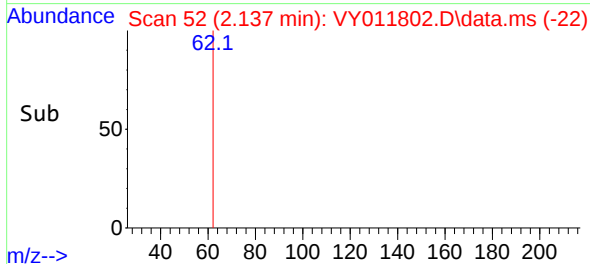
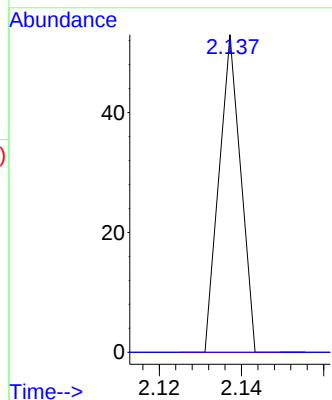
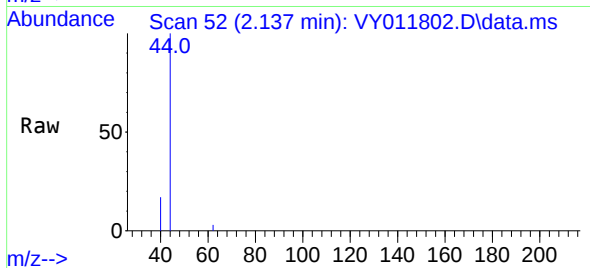




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.137 min Scan# 51
 Delta R.T. -0.116 min
 Lab File: VY011802.D
 Acq: 13 Dec 2022 18:27

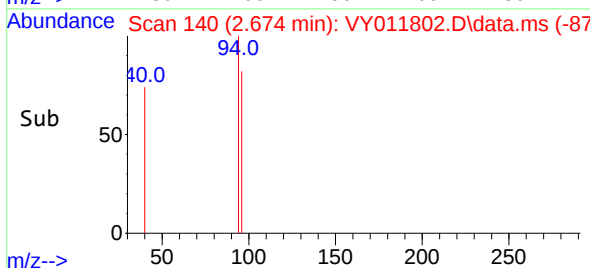
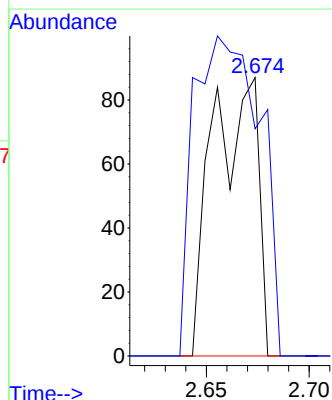
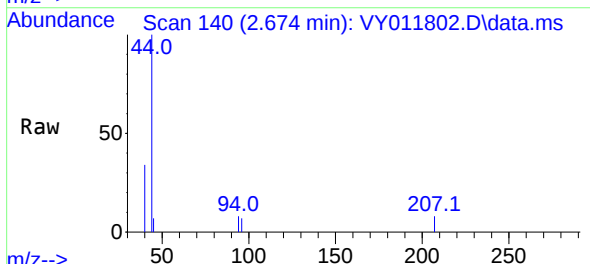
Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-17-(1-3)

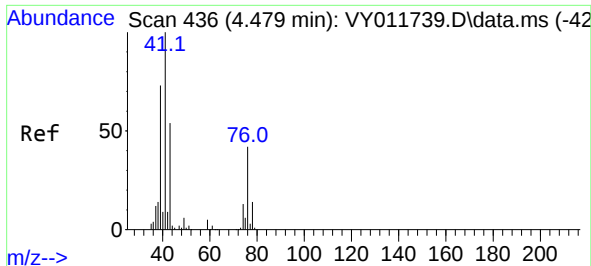
Tgt Ion: 62 Resp: 19
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.674 min Scan# 140
 Delta R.T. 0.024 min
 Lab File: VY011802.D
 Acq: 13 Dec 2022 18:27

Tgt Ion: 94 Resp: 133
 Ion Ratio Lower Upper
 94 100
 96 81.6 77.4 116.2

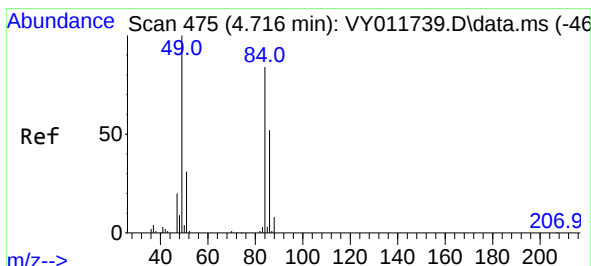
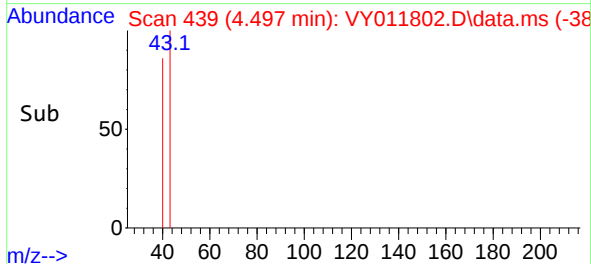
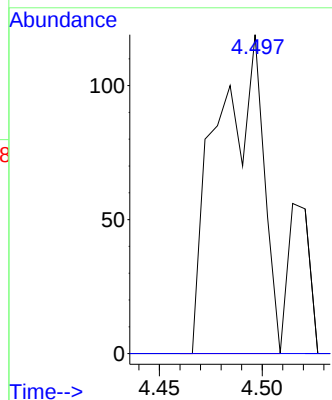
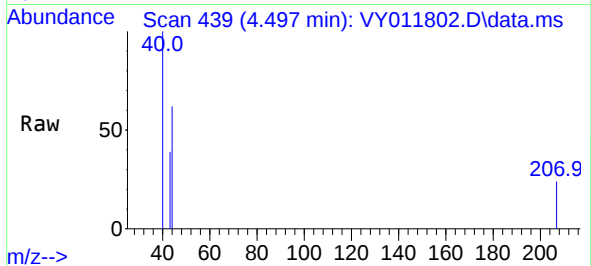




#18
Methyl Acetate
Concen: Below Cal
RT: 4.497 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY011802.D
Acq: 13 Dec 2022 18:27

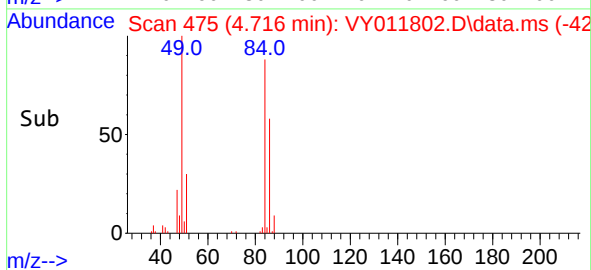
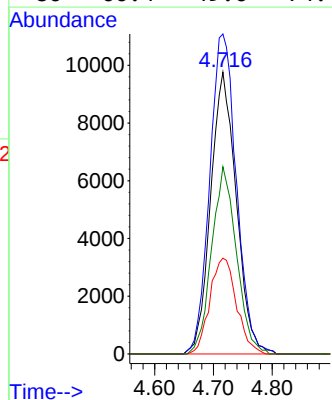
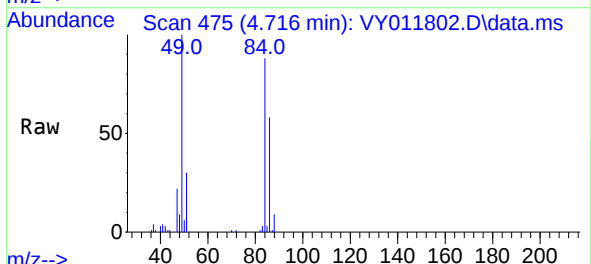
Instrument :
MSVOA_Y
ClientSampleId :
RB-17-(1-3)

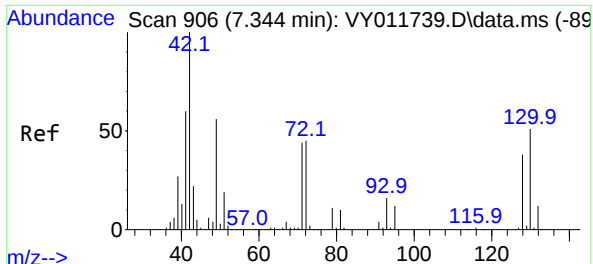
Tgt Ion: 43 Resp: 185
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: 5.024 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011802.D
Acq: 13 Dec 2022 18:27

Tgt Ion: 84 Resp: 29660
Ion Ratio Lower Upper
84 100
49 113.6 95.4 143.2
51 34.0 29.9 44.9
86 66.4 49.6 74.4





#29

Tetrahydrofuran

Concen: 1.036 ug/l

RT: 7.350 min Scan# 90

Delta R.T. 0.006 min

Lab File: VY011802.D

Acq: 13 Dec 2022 18:27

Instrument :

MSVOA_Y

ClientSampleId :

RB-17-(1-3)

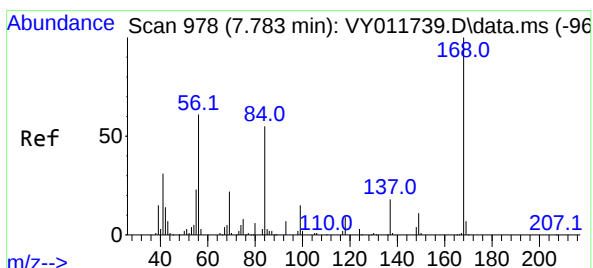
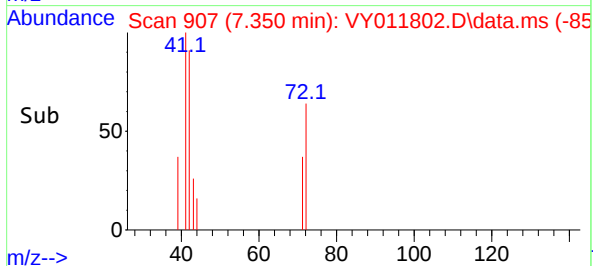
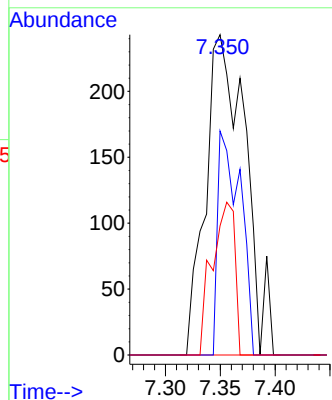
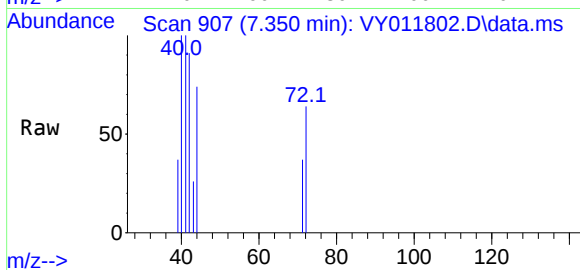
Tgt Ion: 42 Resp: 613

Ion Ratio Lower Upper

42 100

72 39.6 37.0 55.6

71 27.4 34.9 52.3#



#31

Cyclohexane

Concen: Below Cal

RT: 7.795 min Scan# 980

Delta R.T. 0.012 min

Lab File: VY011802.D

Acq: 13 Dec 2022 18:27

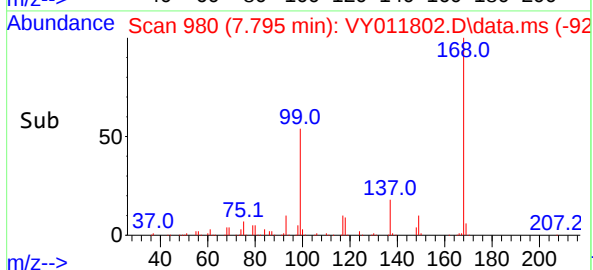
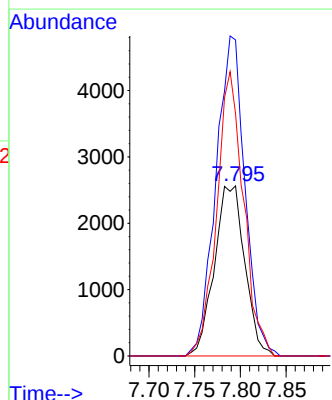
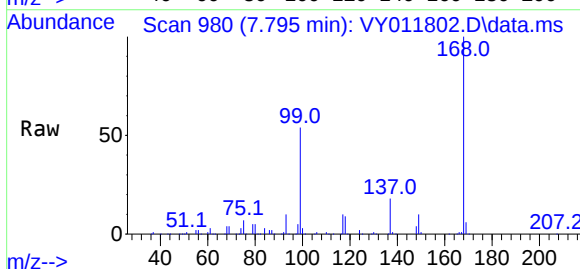
Tgt Ion: 56 Resp: 5935

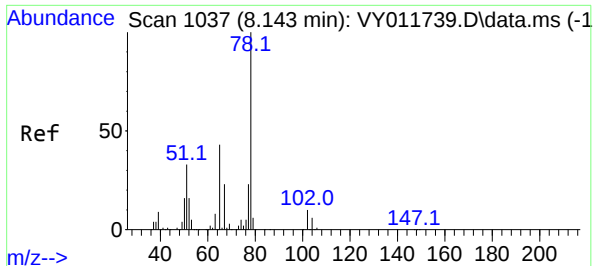
Ion Ratio Lower Upper

56 100

69 185.8 29.2 43.8#

84 142.4 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 48.703 ug/l

RT: 8.142 min Scan# 1

Delta R.T. -0.001 min

Lab File: VY011802.D

Acq: 13 Dec 2022 18:27

Instrument :

MSVOA_Y

ClientSampleId :

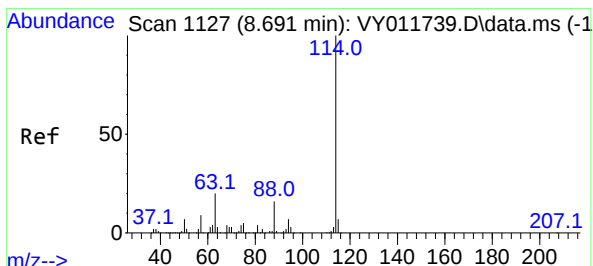
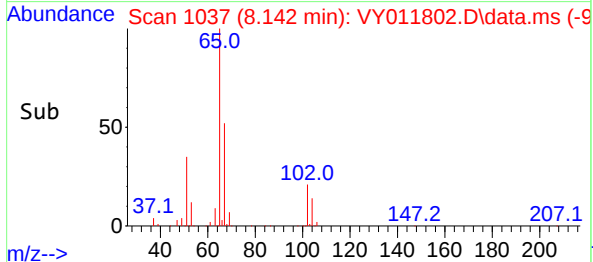
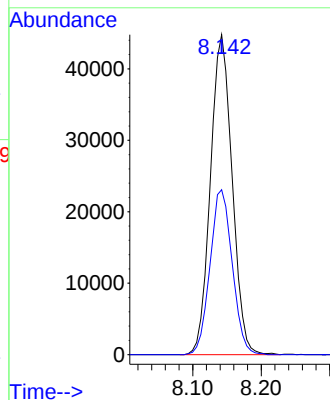
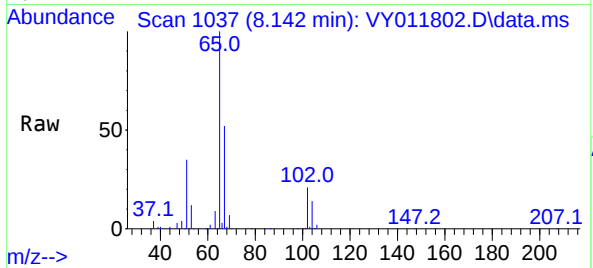
RB-17-(1-3)

Tgt Ion: 65 Resp: 98631

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY011802.D

Acq: 13 Dec 2022 18:27

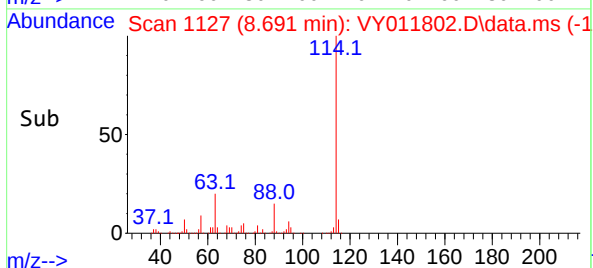
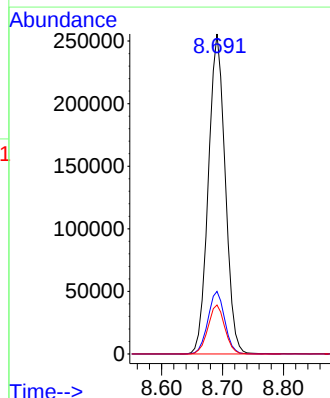
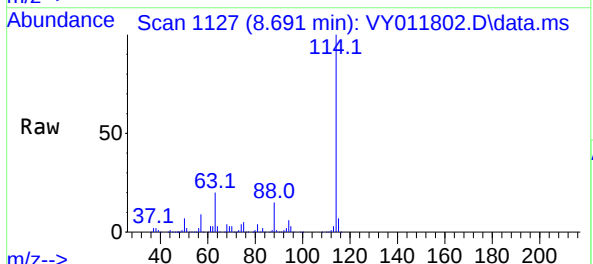
Tgt Ion: 114 Resp: 491050

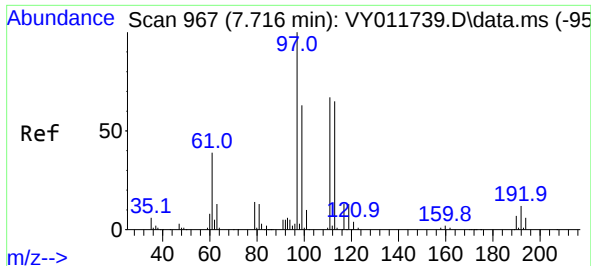
Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.6

88 15.3 0.0 32.2

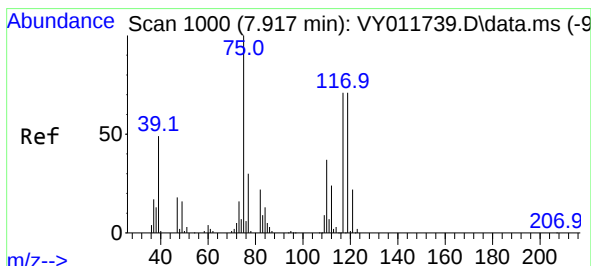
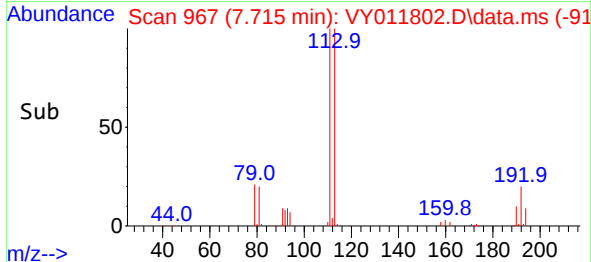
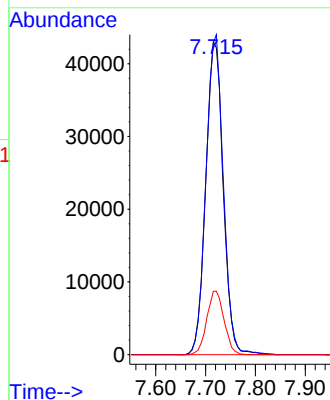
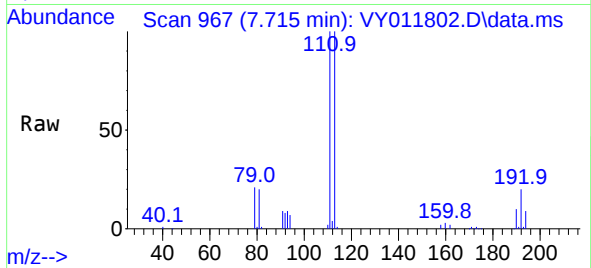




#35
Dibromofluoromethane
Concen: 47.721 ug/l
RT: 7.715 min Scan# 911
Delta R.T. -0.001 min
Lab File: VY011802.D
Acq: 13 Dec 2022 18:27

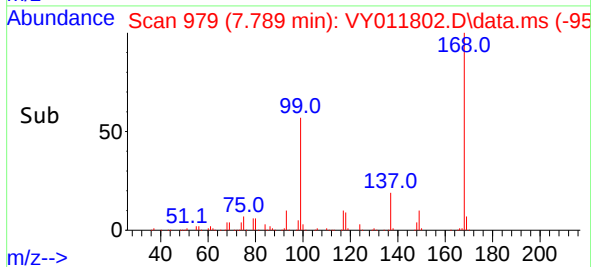
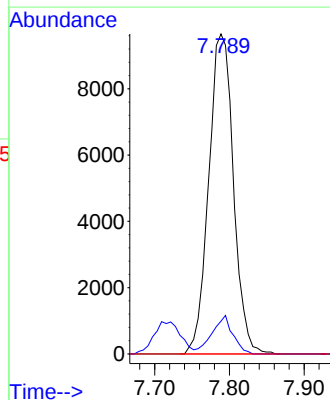
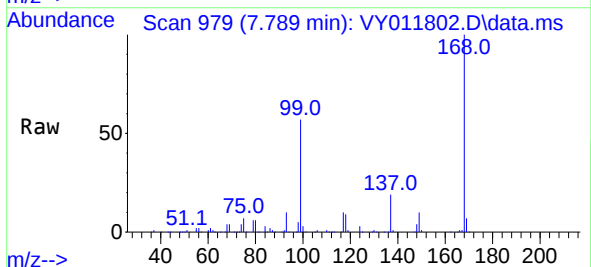
Instrument :
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RB-17-(1-3)

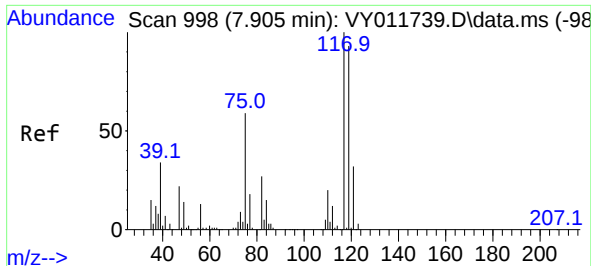
Tgt Ion:113 Resp: 104500
Ion Ratio Lower Upper
113 100
111 102.1 83.0 124.4
192 20.1 16.0 24.0



#36
1,1-Dichloropropene
Concen: 5.961 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011802.D
Acq: 13 Dec 2022 18:27

Tgt Ion: 75 Resp: 22212
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.1#
77 0.0 25.1 37.7#

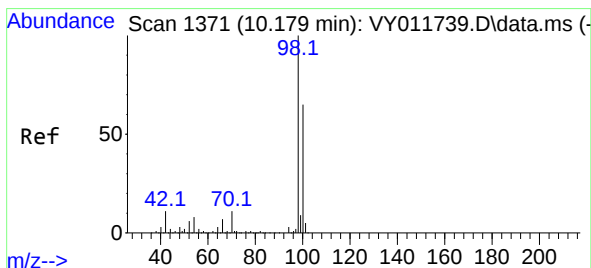
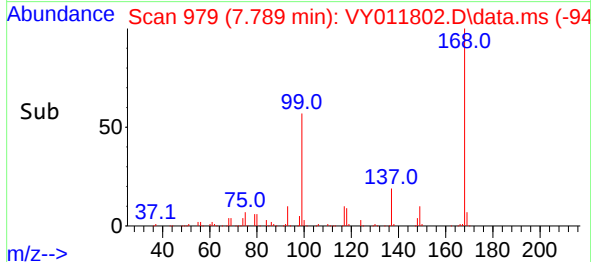
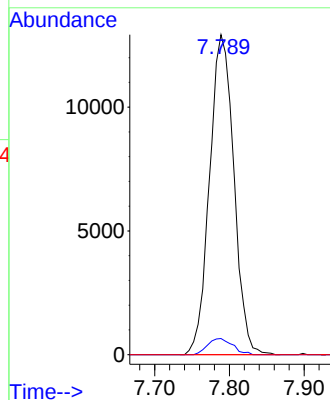
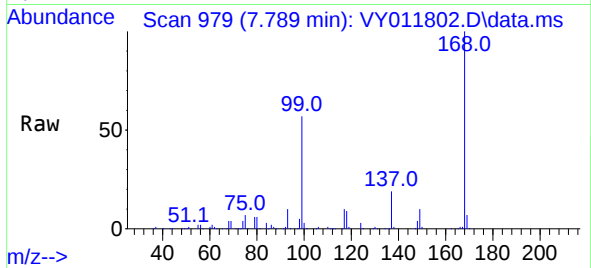




#38
Carbon Tetrachloride
Concen: 6.691 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011802.D
Acq: 13 Dec 2022 18:27

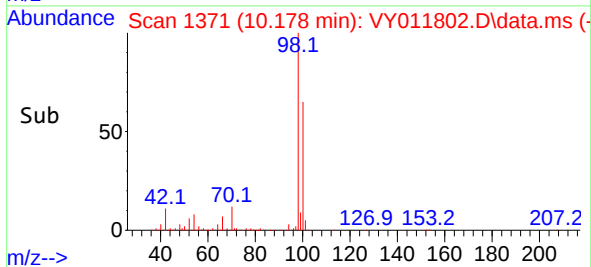
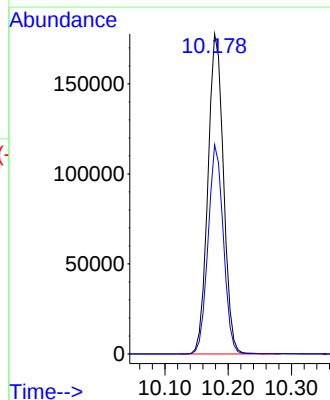
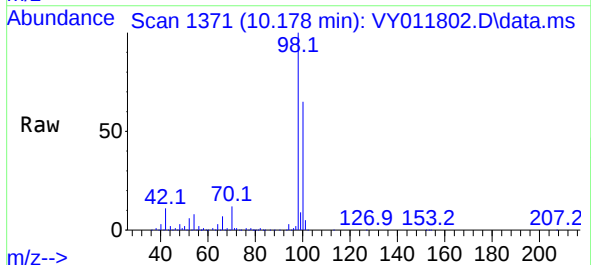
Instrument :
MSVOA_Y
ClientSampleId :
RB-17-(1-3)

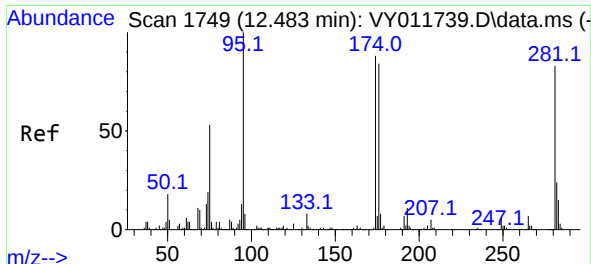
Tgt Ion:117 Resp: 29286
Ion Ratio Lower Upper
117 100
119 5.1 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 41.410 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY011802.D
Acq: 13 Dec 2022 18:27

Tgt Ion: 98 Resp: 304362
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9

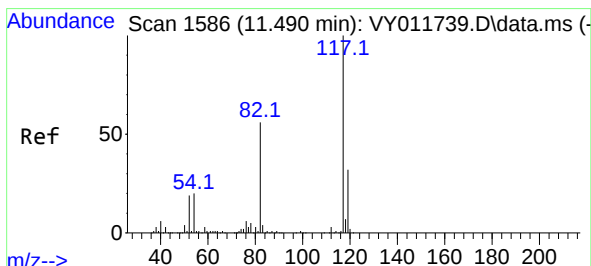
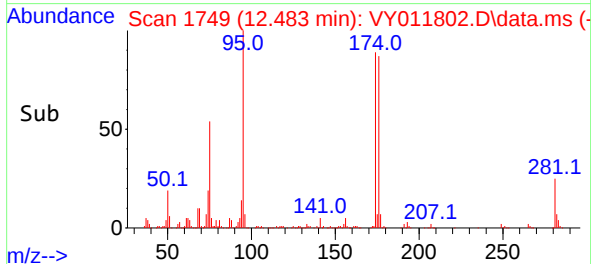
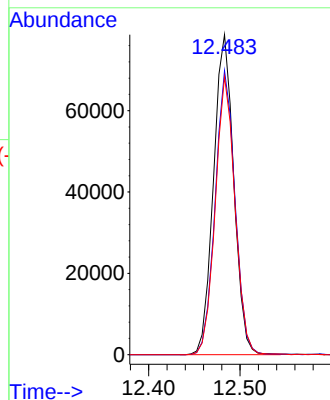
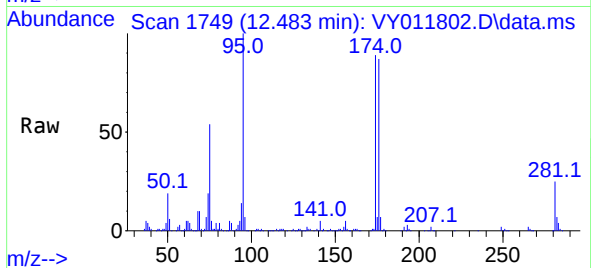




#62
4-Bromofluorobenzene
Concen: 41.690 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011802.D
Acq: 13 Dec 2022 18:27

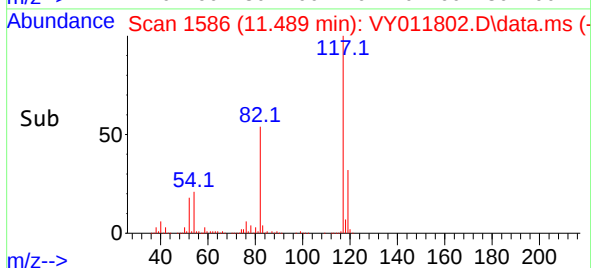
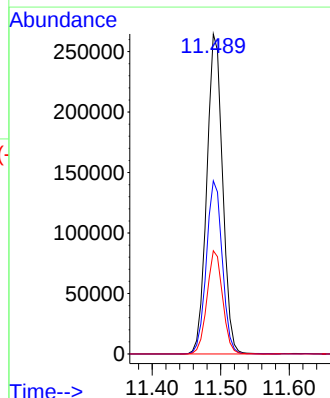
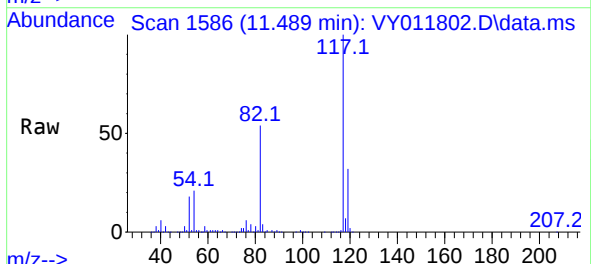
Instrument :
MSVOA_Y
ClientSampleId :
RB-17-(1-3)

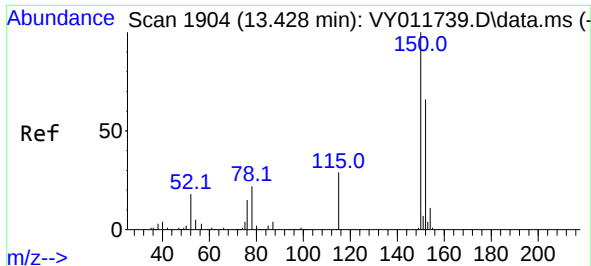
Tgt Ion: 95 Resp: 120852
Ion Ratio Lower Upper
95 100
174 87.2 0.0 172.0
176 84.7 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011802.D
Acq: 13 Dec 2022 18:27

Tgt Ion:117 Resp: 424865
Ion Ratio Lower Upper
117 100
82 54.1 44.8 67.2
119 32.3 25.4 38.2

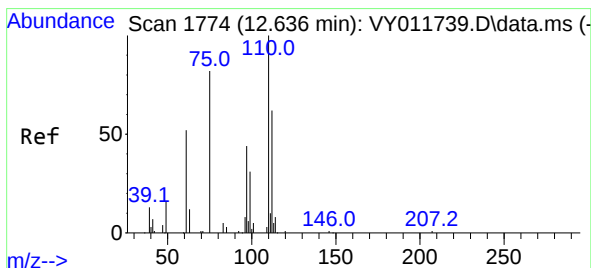
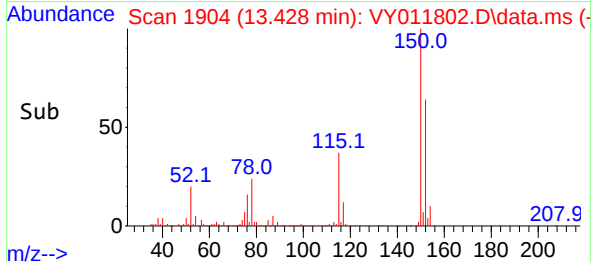
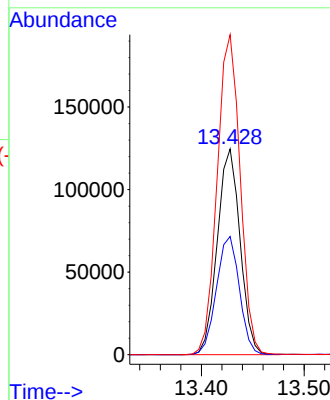
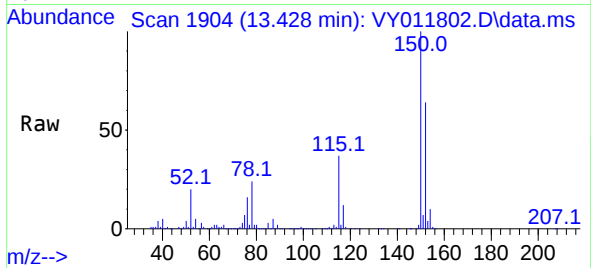




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011802.D
Acq: 13 Dec 2022 18:27

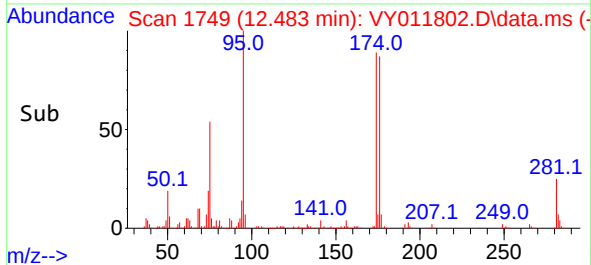
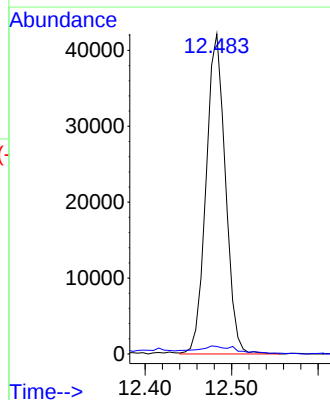
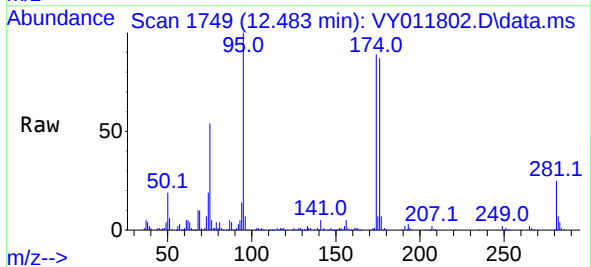
Instrument :
MSVOA_Y
ClientSampleId :
RB-17-(1-3)

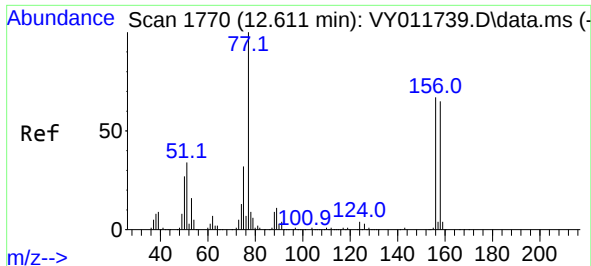
Tgt Ion:152 Resp: 191905
Ion Ratio Lower Upper
152 100
115 58.2 29.1 87.3
150 156.8 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 33.657 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011802.D
Acq: 13 Dec 2022 18:27

Tgt Ion: 75 Resp: 65348
Ion Ratio Lower Upper
75 100
77 4.9 0.0 0.0#

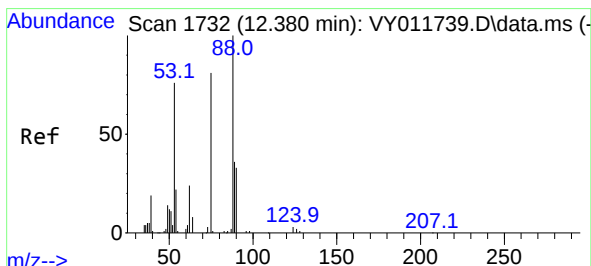
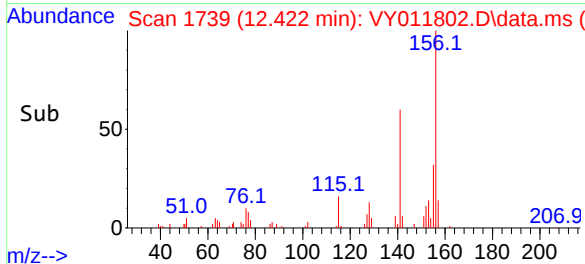
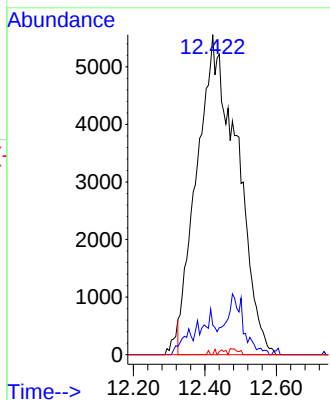
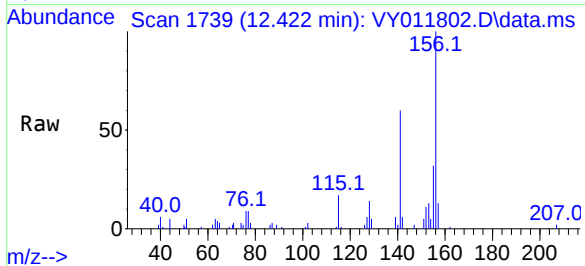




#77
Bromobenzene
Concen: 14.967 ug/l
RT: 12.422 min Scan# 1749
Delta R.T. -0.189 min
Lab File: VY011802.D
Acq: 13 Dec 2022 18:27

Instrument :
MSVOA_Y
ClientSampleId :
RB-17-(1-3)

Tgt Ion:156 Resp: 43449
Ion Ratio Lower Upper
156 100
77 1.5 90.0 270.0#
158 0.1 48.4 145.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.375 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011802.D
Acq: 13 Dec 2022 18:27

Tgt Ion: 75 Resp: 65348
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 1.0 37.0 55.4#

