

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011817.D
 Acq On : 14 Dec 2022 01:37
 Operator : KP/MD
 Sample : N6037-08
 Misc : 5.49g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-22-(1-3)

Quant Time: Dec 14 05:37:38 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)

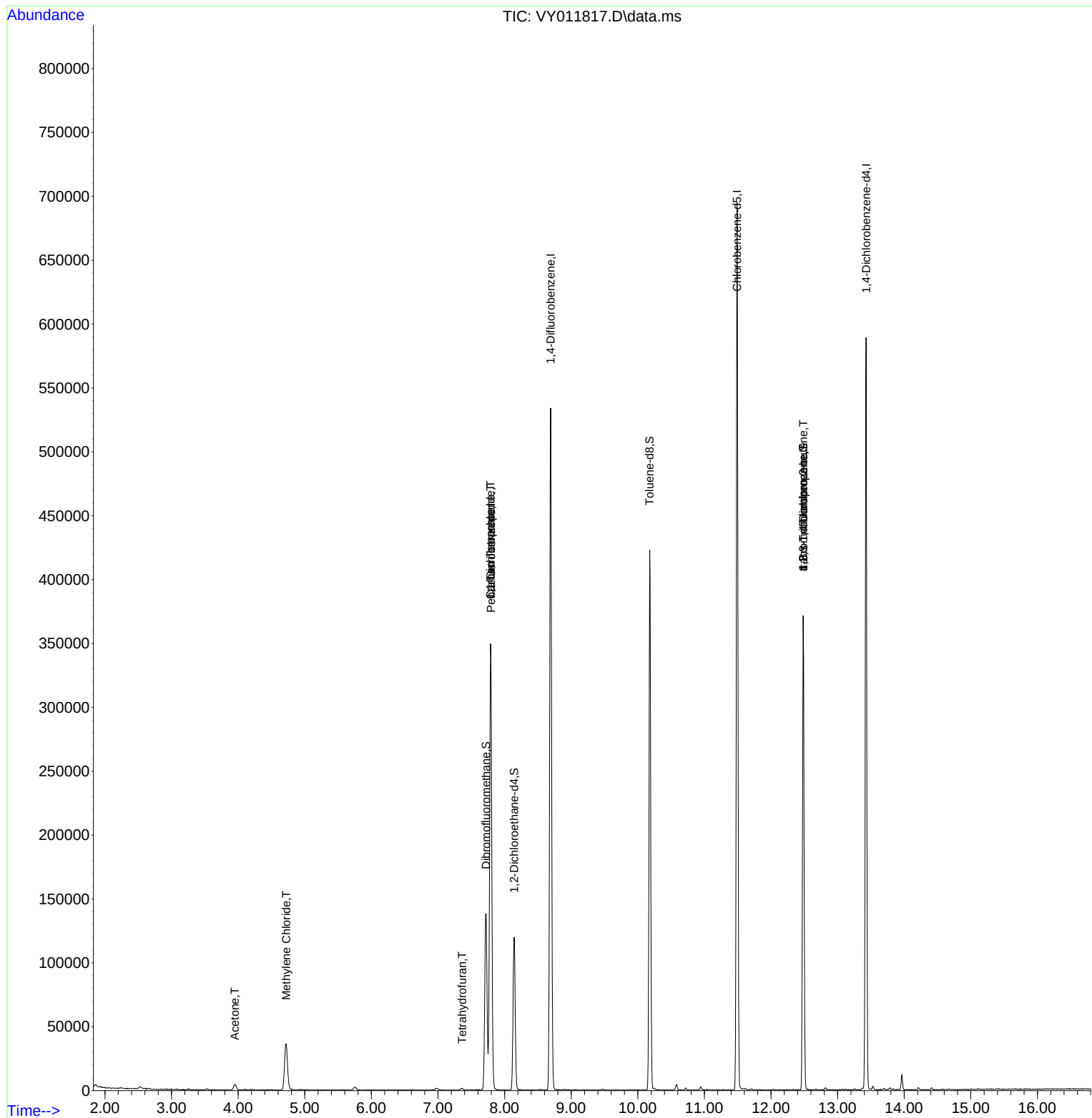
Internal Standards						
1) Pentafluorobenzene	7.795	168	270751	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	452645	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	377884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	151536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	96435	52.429	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.860%			
35) Dibromofluoromethane	7.722	113	99849	49.620	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.240%			
50) Toluene-d8	10.179	98	280488	41.398	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 82.800%			
62) 4-Bromofluorobenzene	12.483	95	97519	35.869	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 71.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	25	Below Cal	#	41
3) Chloromethane	2.113	50	169	Below Cal	#	41
4) Vinyl Chloride	2.448	62	21	Below Cal	#	43
5) Bromomethane	2.662	94	255	Below Cal		100
11) Tert butyl alcohol	4.948	59	526	Below Cal	#	74
16) Acetone	3.948	43	8173	11.055	ug/l	99
18) Methyl Acetate	4.478	43	82	Below Cal	#	50
20) Methylene Chloride	4.722	84	28521	5.623	ug/l	96
29) Tetrahydrofuran	7.362	42	992	1.833	ug/l	95
31) Cyclohexane	7.795	56	5612	Below Cal	#	14
36) 1,1-Dichloropropene	7.789	75	20644	6.010	ug/l #	49
38) Carbon Tetrachloride	7.789	117	26646	6.604	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	52334	34.135	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	52334	77.459	ug/l #	13

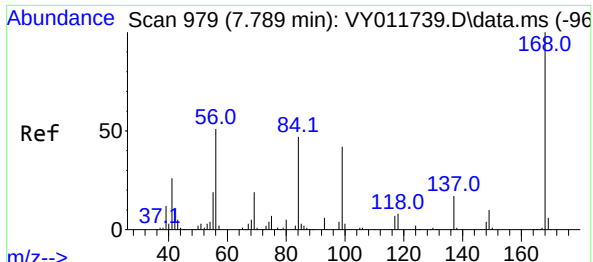
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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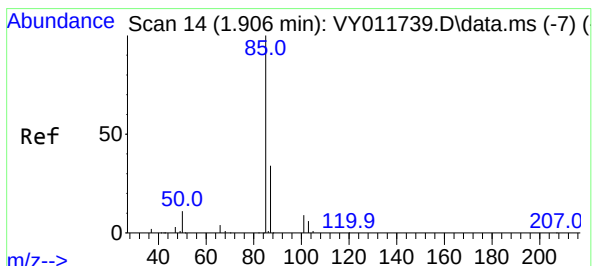
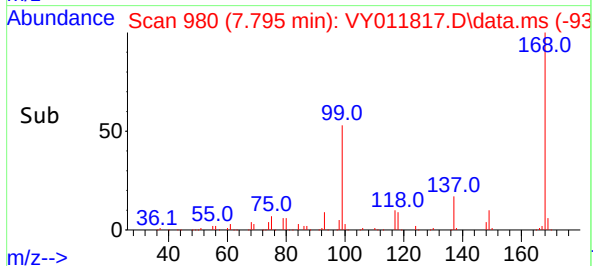
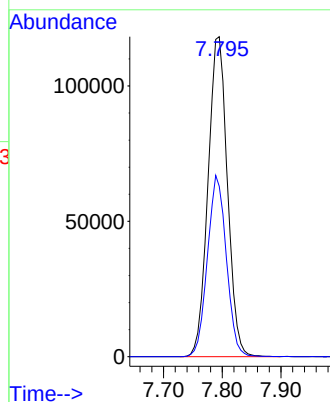
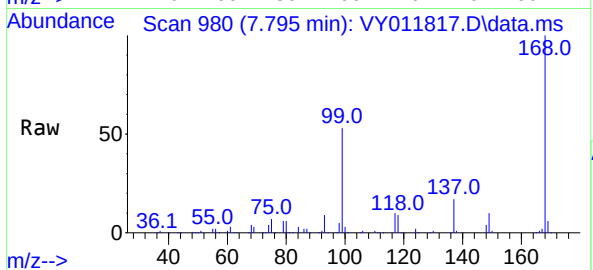




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011817.D
Acq: 14 Dec 2022 01:37

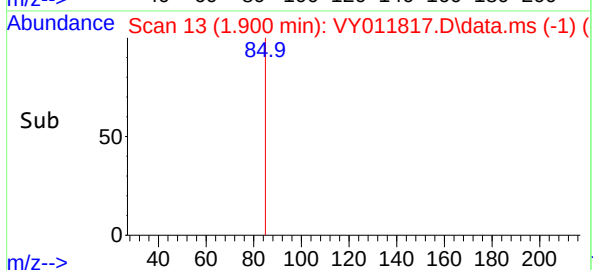
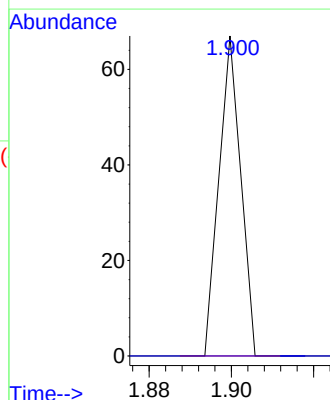
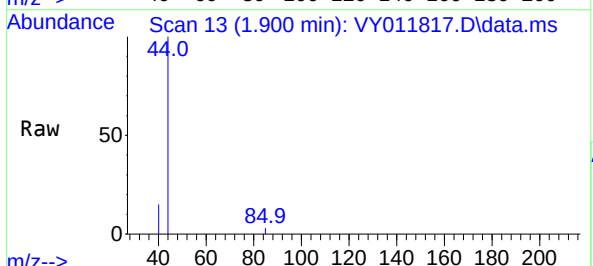
Instrument :
MSVOA_Y
ClientSampleId :
RB-22-(1-3)

Tgt Ion:168 Resp: 270751
Ion Ratio Lower Upper
168 100
99 53.3 44.0 66.0

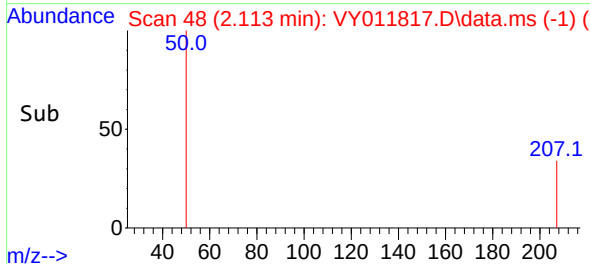
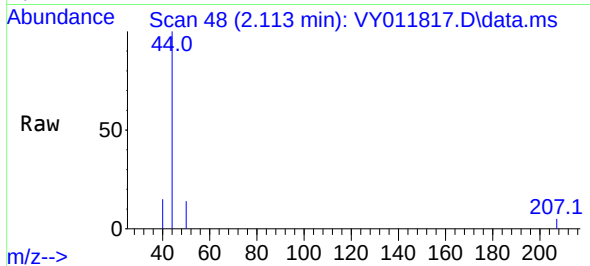
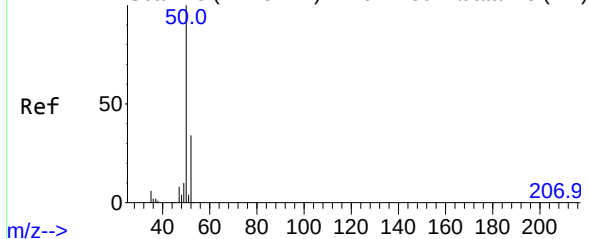


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011817.D
Acq: 14 Dec 2022 01:37

Tgt Ion: 85 Resp: 25
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



Abundance Scan 48 (2.113 min): VY011739.D\data.ms (-42)



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY011817.D

Acq: 14 Dec 2022 01:37

Instrument :

MSVOA_Y

ClientSampleId :

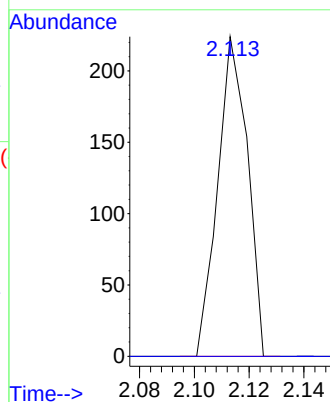
RB-22-(1-3)

Tgt Ion: 50 Resp: 169

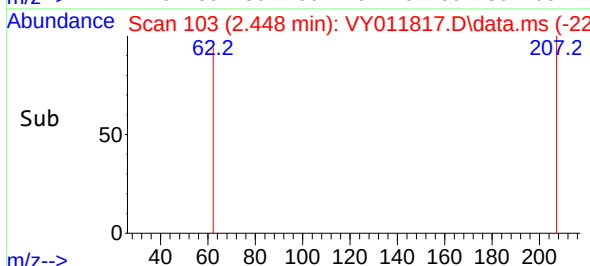
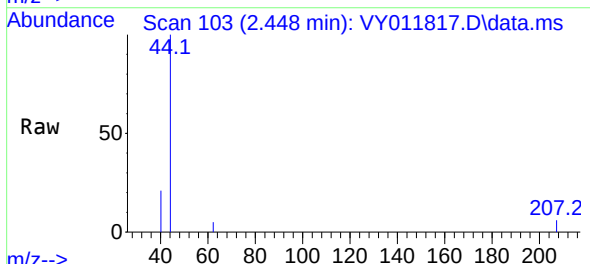
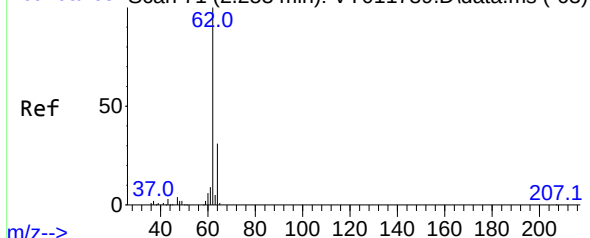
Ion Ratio Lower Upper

50 100

52 0.0 26.8 40.2#



Abundance Scan 71 (2.253 min): VY011739.D\data.ms (-63)



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.448 min Scan# 103

Delta R.T. 0.195 min

Lab File: VY011817.D

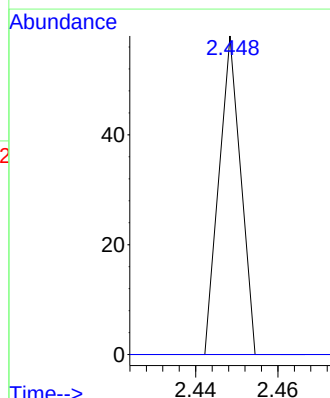
Acq: 14 Dec 2022 01:37

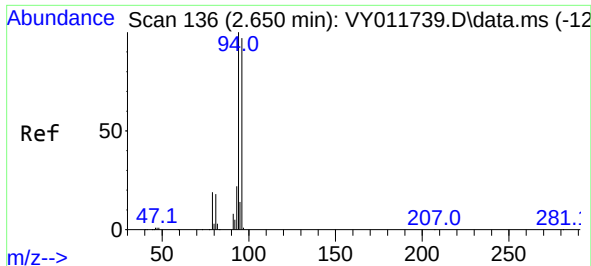
Tgt Ion: 62 Resp: 21

Ion Ratio Lower Upper

62 100

64 0.0 25.0 37.6#

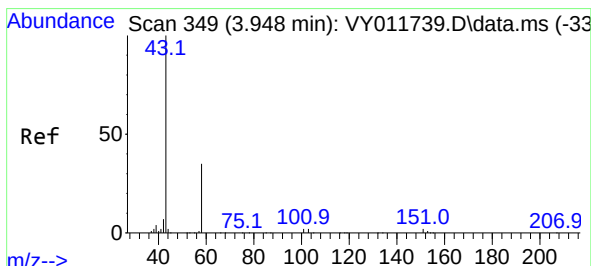
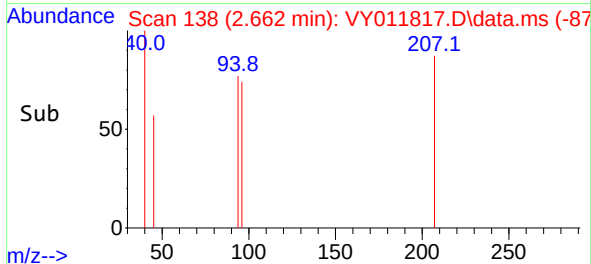
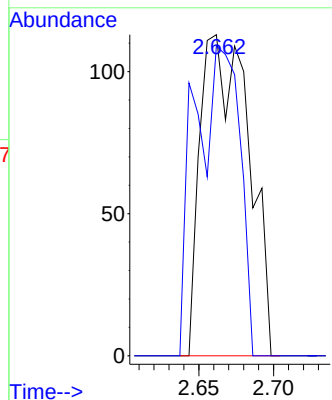
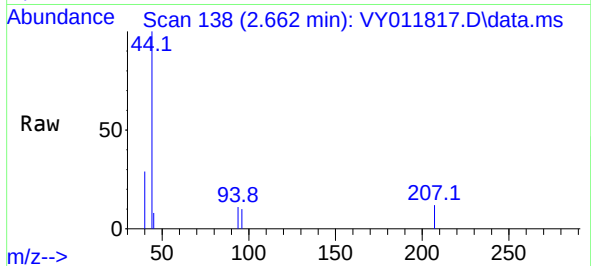




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011817.D
Acq: 14 Dec 2022 01:37

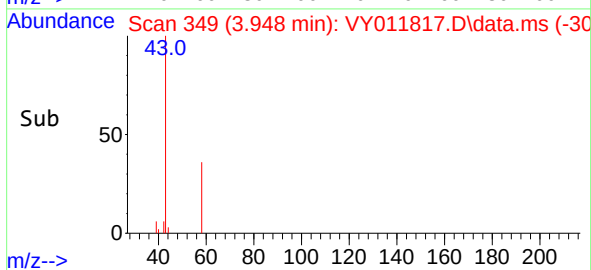
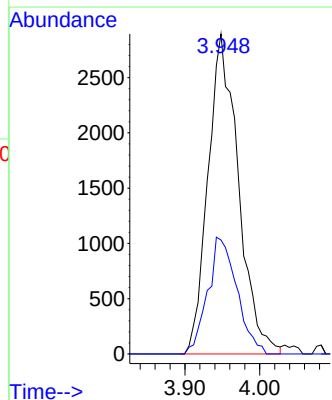
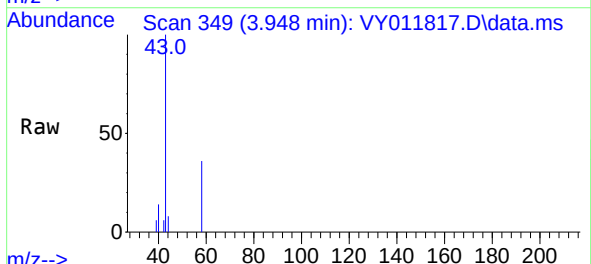
Instrument :
MSVOA_Y
ClientSampleId :
RB-22-(1-3)

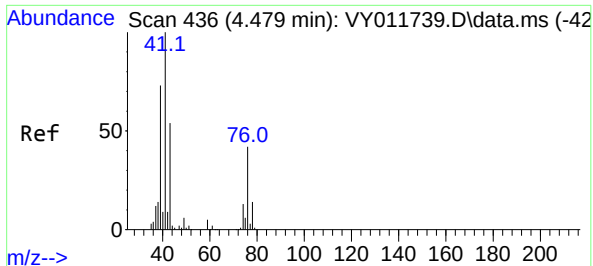
Tgt Ion: 94 Resp: 255
Ion Ratio Lower Upper
94 100
96 96.5 77.4 116.2



#16
Acetone
Concen: 11.055 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY011817.D
Acq: 14 Dec 2022 01:37

Tgt Ion: 43 Resp: 8173
Ion Ratio Lower Upper
43 100
58 35.6 27.9 41.9

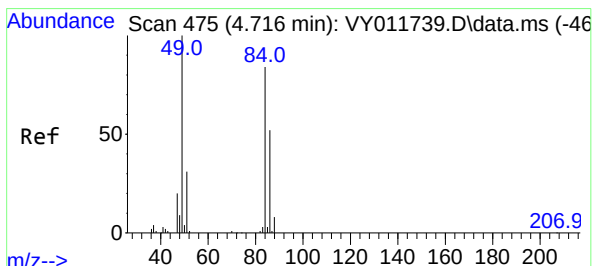
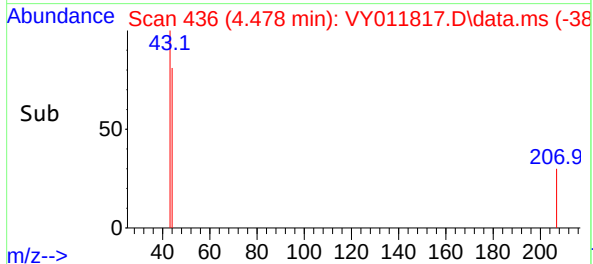
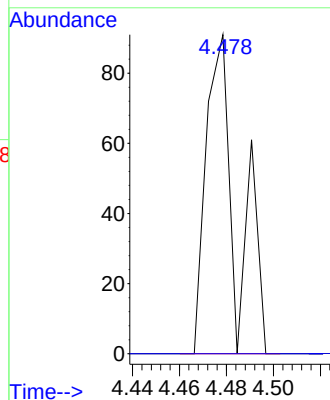
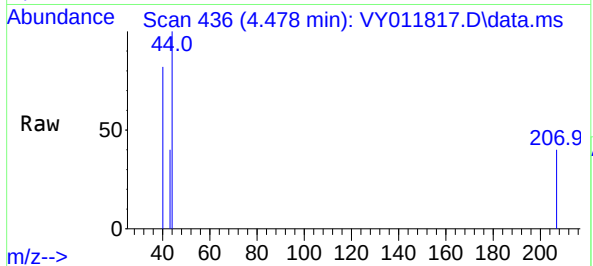




#18
Methyl Acetate
Concen: Below Cal
RT: 4.478 min Scan# 41
Delta R.T. -0.001 min
Lab File: VY011817.D
Acq: 14 Dec 2022 01:37

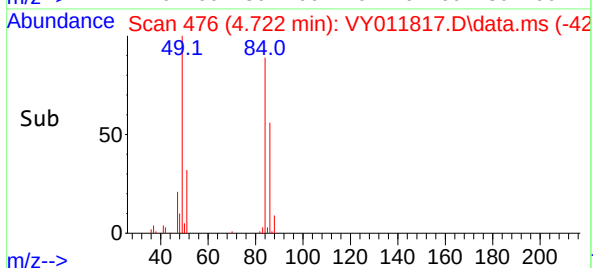
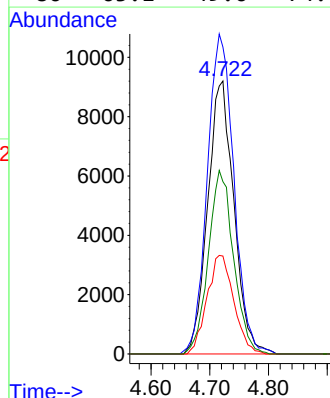
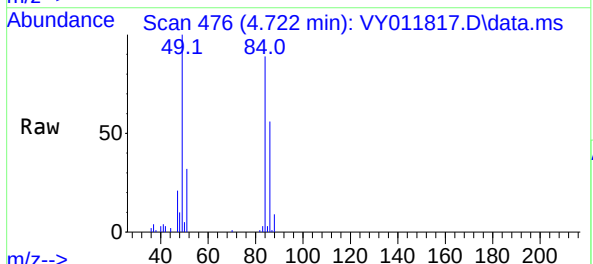
Instrument :
MSVOA_Y
ClientSampleId :
RB-22-(1-3)

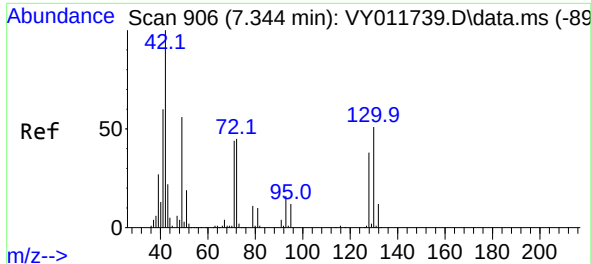
Tgt Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: 5.623 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY011817.D
Acq: 14 Dec 2022 01:37

Tgt Ion: 84 Resp: 28521
Ion Ratio Lower Upper
84 100
49 112.4 95.4 143.2
51 35.9 29.9 44.9
86 63.1 49.6 74.4





#29

Tetrahydrofuran

Concen: 1.833 ug/l

RT: 7.362 min Scan# 90

Delta R.T. 0.018 min

Lab File: VY011817.D

Acq: 14 Dec 2022 01:37

Instrument :

MSVOA_Y

ClientSampleId :

RB-22-(1-3)

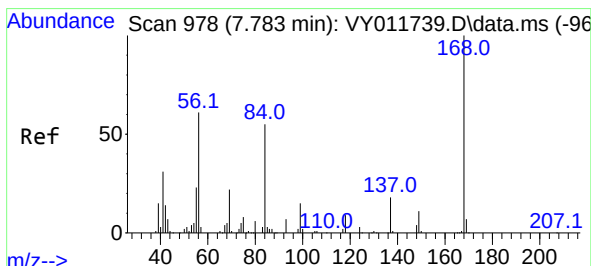
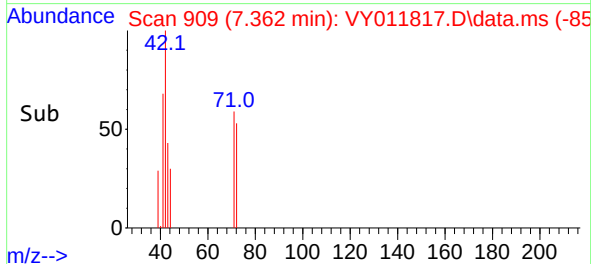
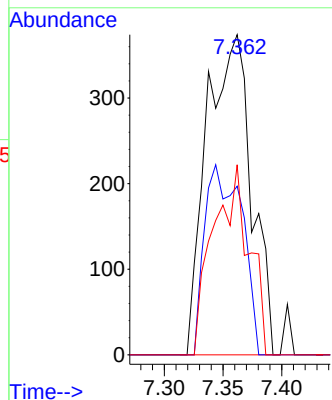
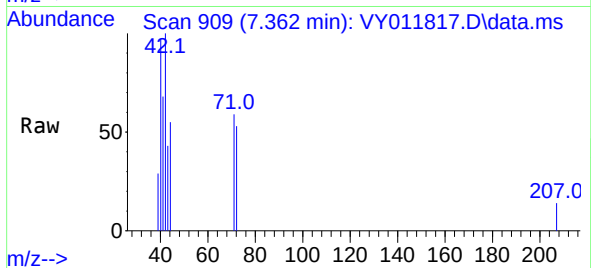
Tgt Ion: 42 Resp: 992

Ion Ratio Lower Upper

42 100

72 49.3 37.0 55.6

71 47.5 34.9 52.3



#31

Cyclohexane

Concen: Below Cal

RT: 7.795 min Scan# 980

Delta R.T. 0.012 min

Lab File: VY011817.D

Acq: 14 Dec 2022 01:37

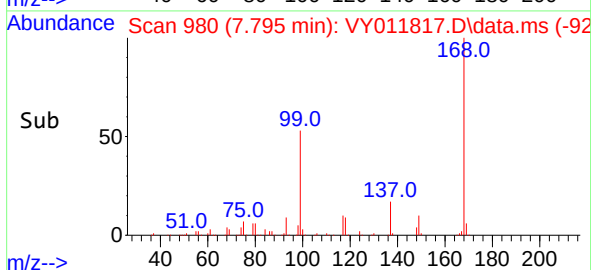
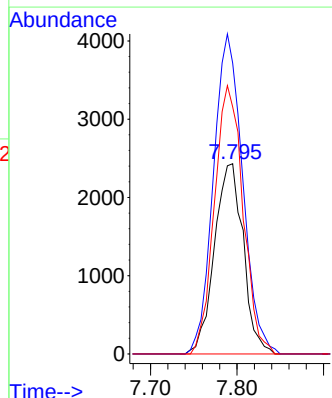
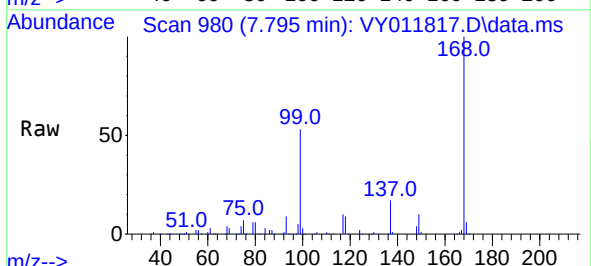
Tgt Ion: 56 Resp: 5612

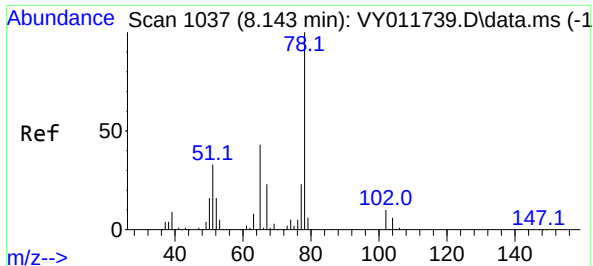
Ion Ratio Lower Upper

56 100

69 152.9 29.2 43.8#

84 129.8 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 52.429 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011817.D

Acq: 14 Dec 2022 01:37

Instrument :

MSVOA_Y

ClientSampleId :

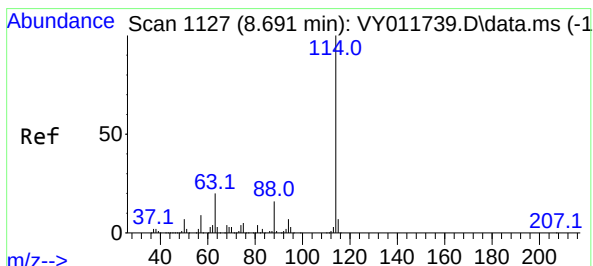
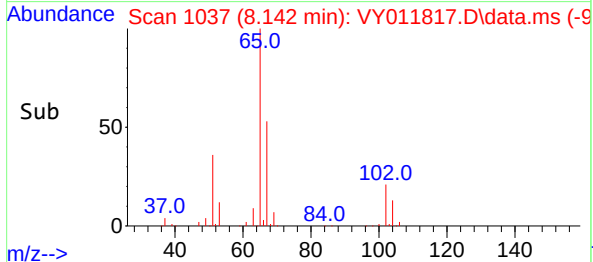
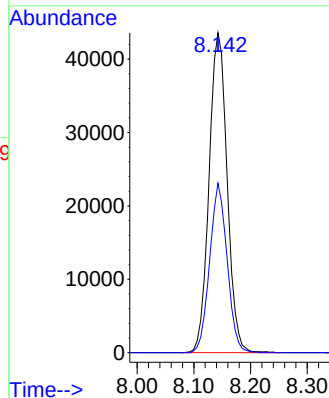
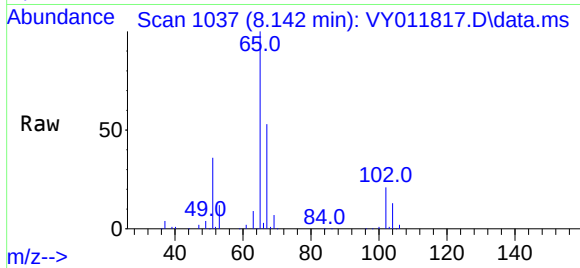
RB-22-(1-3)

Tgt Ion: 65 Resp: 96435

Ion Ratio Lower Upper

65 100

67 51.1 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: VY011817.D

Acq: 14 Dec 2022 01:37

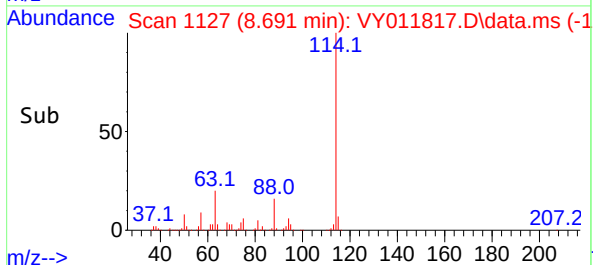
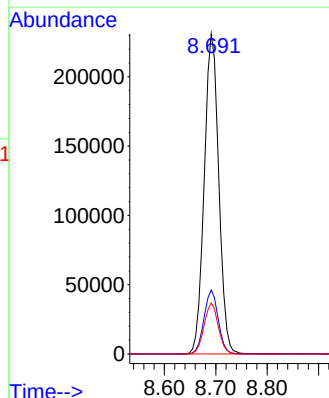
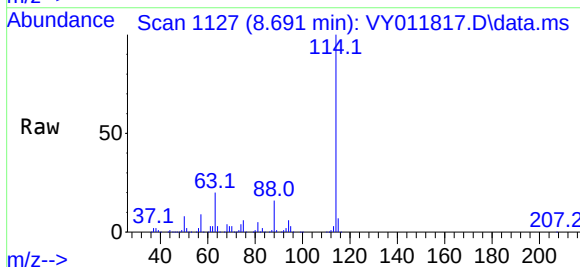
Tgt Ion: 114 Resp: 452645

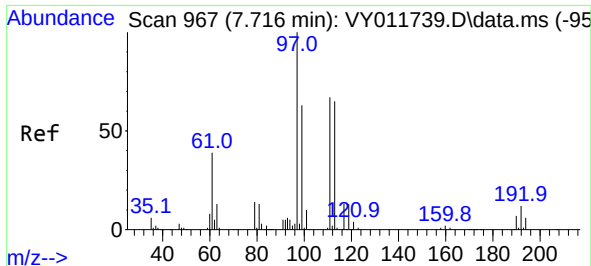
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

88 15.9 0.0 32.2

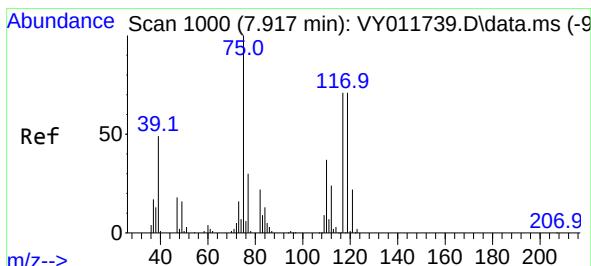
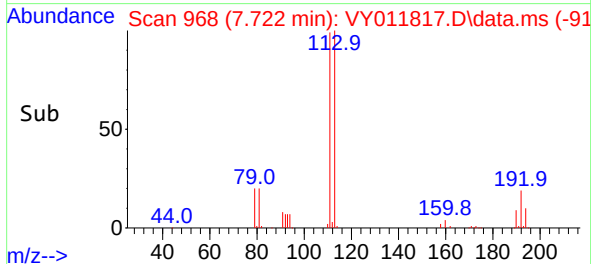
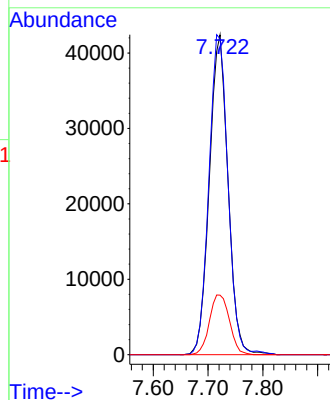
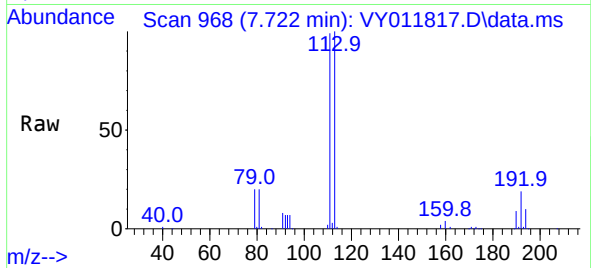




#35
 Dibromofluoromethane
 Concen: 49.620 ug/l
 RT: 7.722 min Scan# 911
 Delta R.T. 0.006 min
 Lab File: VY011817.D
 Acq: 14 Dec 2022 01:37

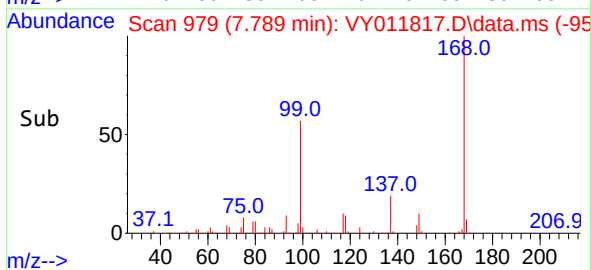
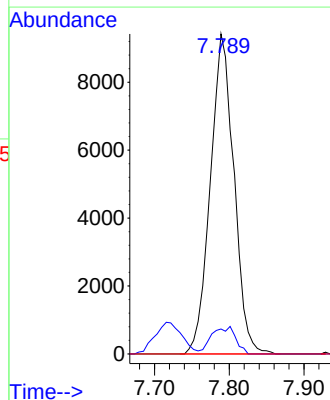
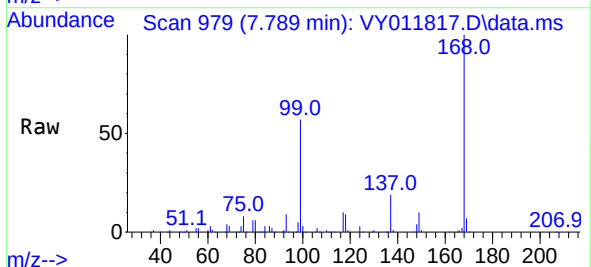
Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-22-(1-3)

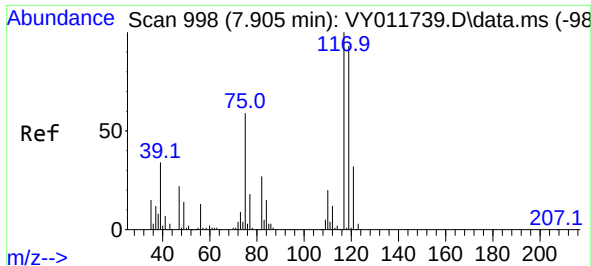
Tgt Ion:113 Resp: 99849
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.0 124.4
 192 20.1 16.0 24.0



#36
 1,1-Dichloropropene
 Concen: 6.010 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.128 min
 Lab File: VY011817.D
 Acq: 14 Dec 2022 01:37

Tgt Ion: 75 Resp: 20644
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.1 54.1#
 77 0.0 25.1 37.7#

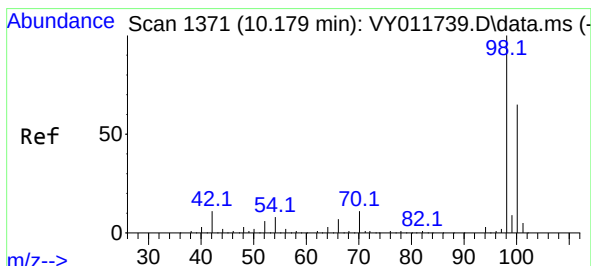
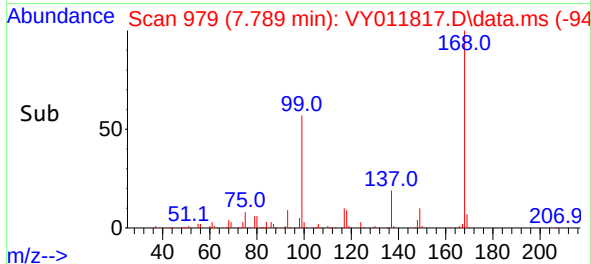
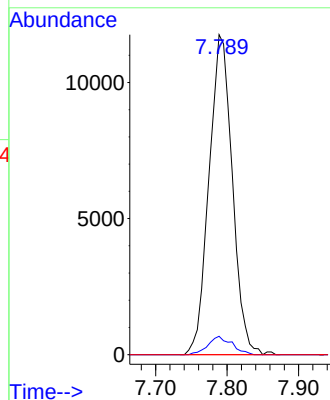
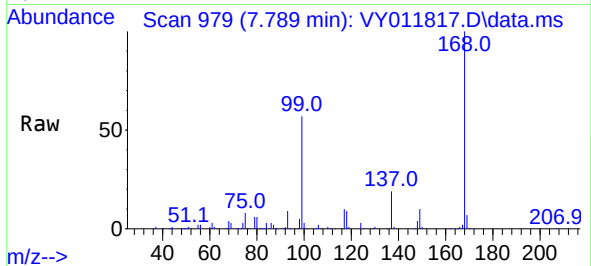




#38
Carbon Tetrachloride
Concen: 6.604 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011817.D
Acq: 14 Dec 2022 01:37

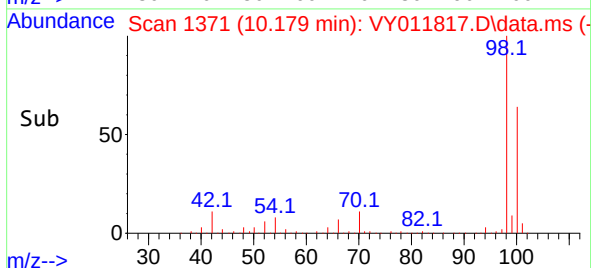
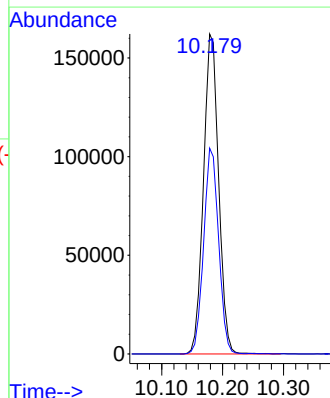
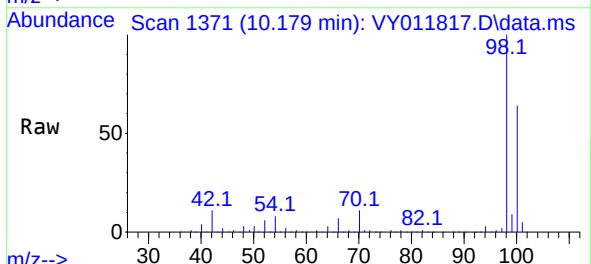
Instrument :
MSVOA_Y
ClientSampleId :
RB-22-(1-3)

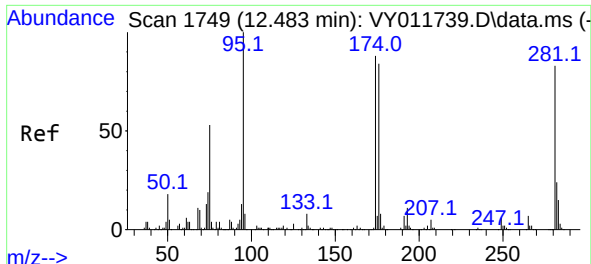
Tgt Ion:117 Resp: 26646
Ion Ratio Lower Upper
117 100
119 5.7 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 41.398 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011817.D
Acq: 14 Dec 2022 01:37

Tgt Ion: 98 Resp: 280488
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9

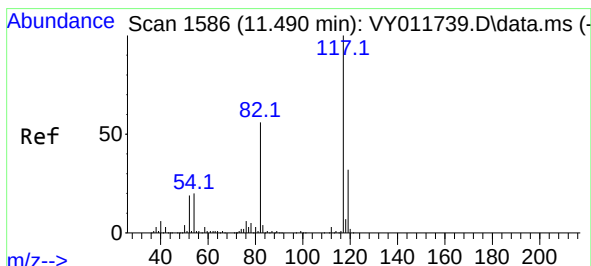
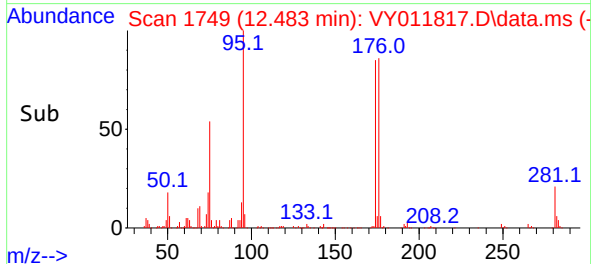
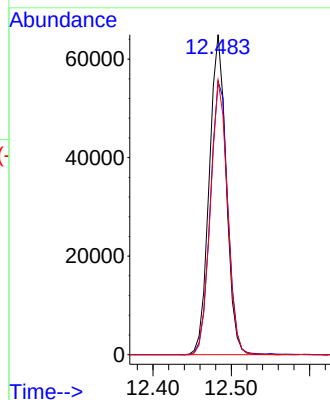
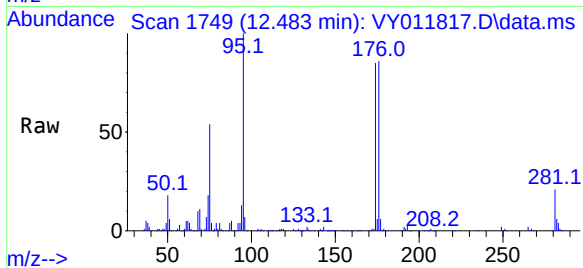




#62
4-Bromofluorobenzene
Concen: 35.869 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011817.D
Acq: 14 Dec 2022 01:37

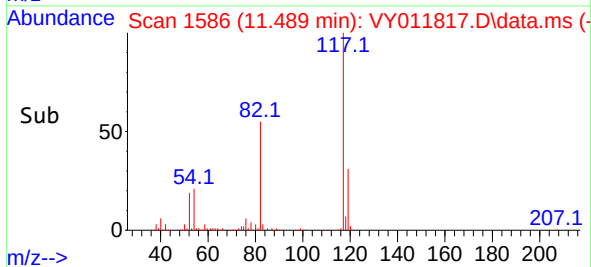
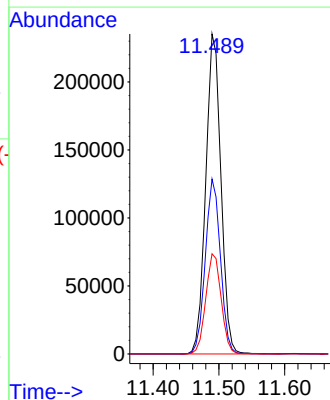
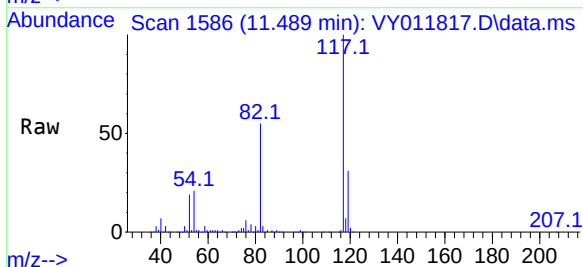
Instrument :
MSVOA_Y
ClientSampleId :
RB-22-(1-3)

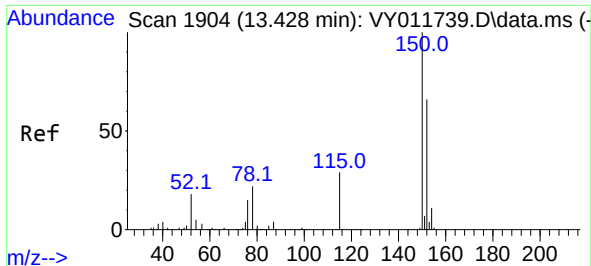
Tgt Ion:	95	Resp:	97519
Ion	Ratio	Lower	Upper
95	100		
174	88.2	0.0	172.0
176	86.1	0.0	167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011817.D
Acq: 14 Dec 2022 01:37

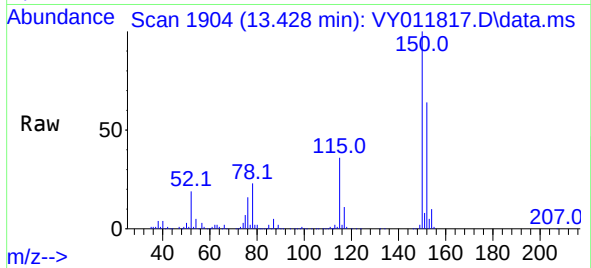
Tgt Ion:	117	Resp:	377884
Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.8	67.2
119	31.3	25.4	38.2



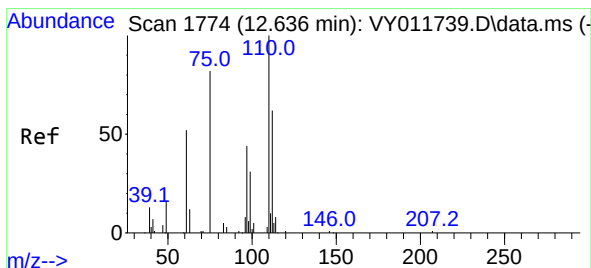
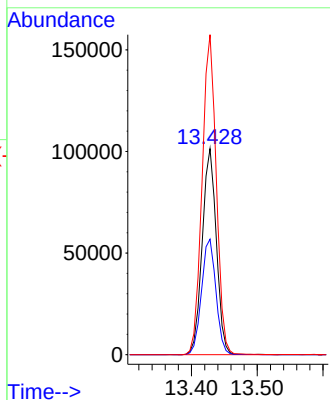
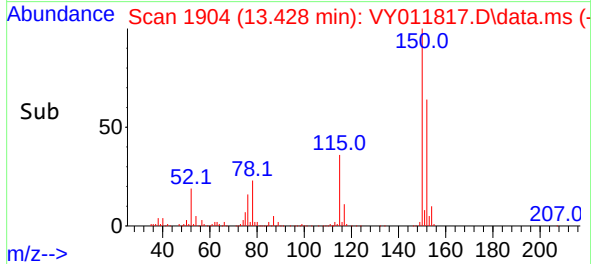


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011817.D
Acq: 14 Dec 2022 01:37

Instrument :
MSVOA_Y
ClientSampleId :
RB-22-(1-3)

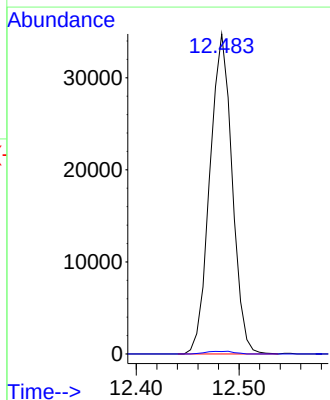
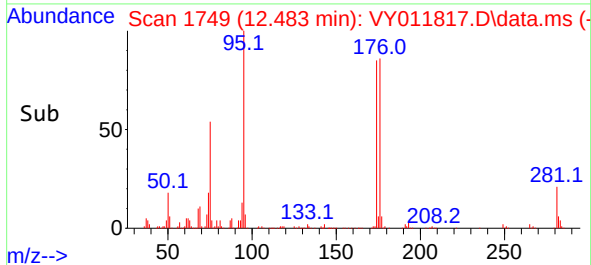
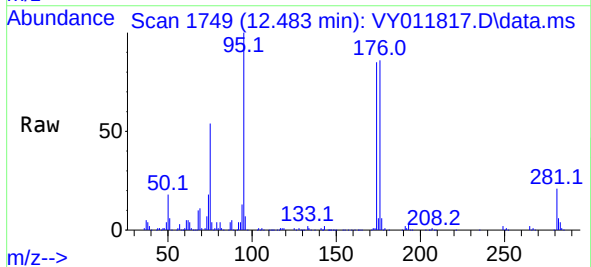


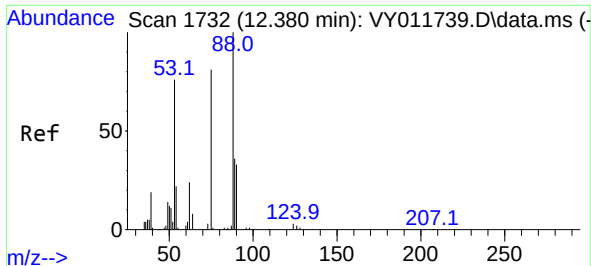
Tgt Ion:152 Resp: 151536
Ion Ratio Lower Upper
152 100
115 57.3 29.1 87.3
150 156.0 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 34.135 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011817.D
Acq: 14 Dec 2022 01:37

Tgt Ion: 75 Resp: 52334
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.459 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY011817.D
 Acq: 14 Dec 2022 01:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-22-(1-3)

Tgt Ion: 75 Resp: 52334
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.3 37.0 55.4#

