

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011815.D
 Acq On : 14 Dec 2022 00:52
 Operator : KP/MD
 Sample : N6037-06
 Misc : 6.54g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-20-(7-9)

Quant Time: Dec 14 05:37:21 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)

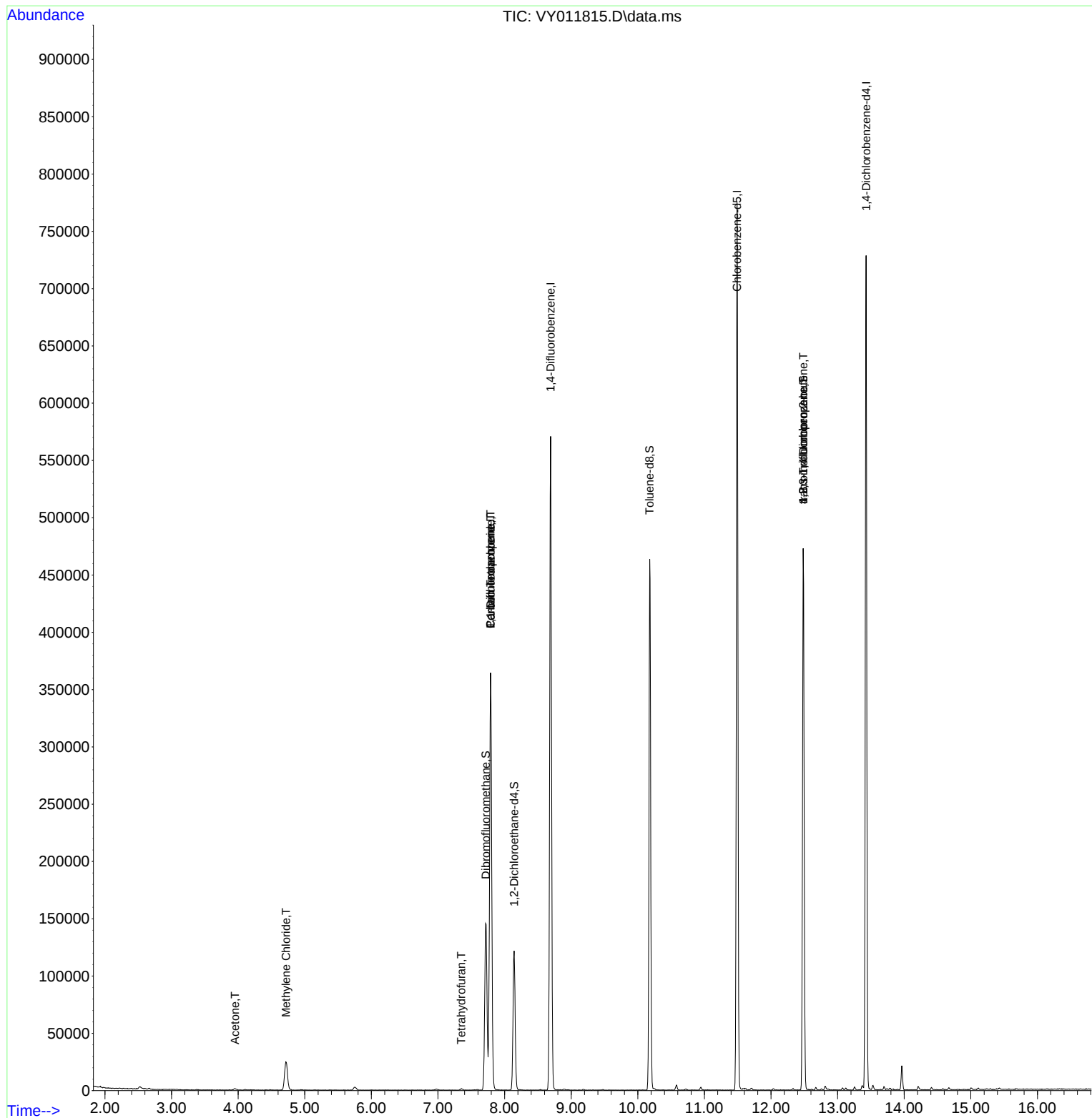
Internal Standards						
1) Pentafluorobenzene	7.789	168	282565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	478065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	414178	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	188262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	96691	50.162	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.320%	
35) Dibromofluoromethane	7.716	113	104582	49.174	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.340%	
50) Toluene-d8	10.179	98	311537	43.931	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 87.860%	
62) 4-Bromofluorobenzene	12.483	95	120837	42.953	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.900%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	26	Below Cal	#	41
3) Chloromethane	2.119	50	234	Below Cal	#	78
4) Vinyl Chloride	2.284	62	42	Below Cal	#	43
5) Bromomethane	2.668	94	298	Below Cal		82
11) Tert butyl alcohol	4.960	59	533	Below Cal	#	74
16) Acetone	3.954	43	2282	2.958	ug/l	96
18) Methyl Acetate	4.491	43	298	Below Cal	#	50
20) Methylene Chloride	4.716	84	19612	1.434	ug/l	96
29) Tetrahydrofuran	7.350	42	712	1.260	ug/l	94
31) Cyclohexane	7.789	56	5800	Below Cal	#	12
36) 1,1-Dichloropropene	7.789	75	20883	5.756	ug/l #	50
38) Carbon Tetrachloride	7.789	117	28496	6.687	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	62819	32.981	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	62819	74.840	ug/l #	13

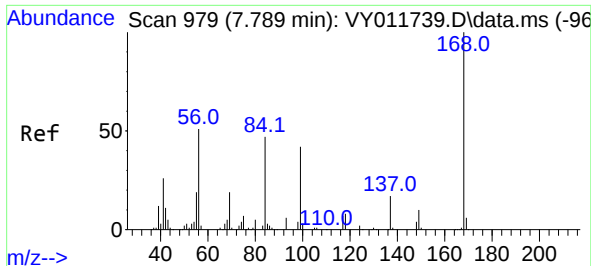
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
Data File : VY011815.D
Acq On : 14 Dec 2022 00:52
Operator : KP/MD
Sample : N6037-06
Misc : 6.54g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RB-20-(7-9)

Quant Time: Dec 14 05:37:21 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

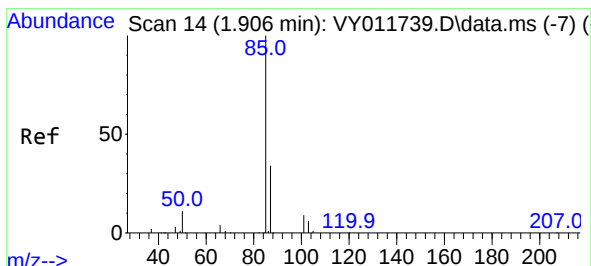
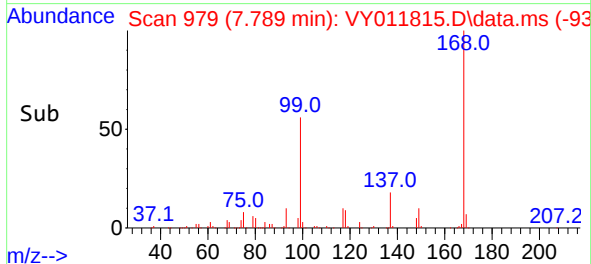
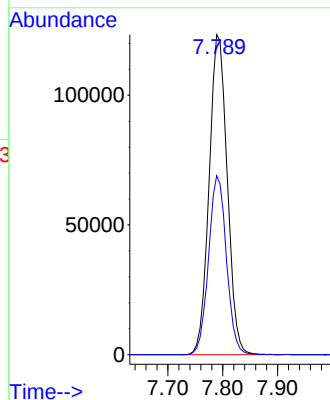
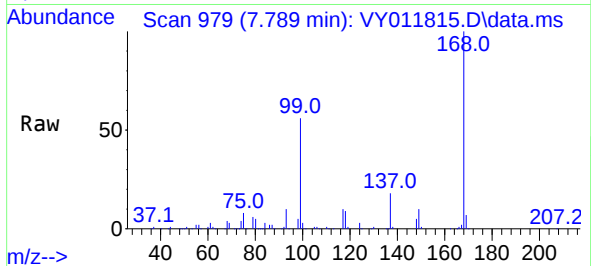




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011815.D
Acq: 14 Dec 2022 00:52

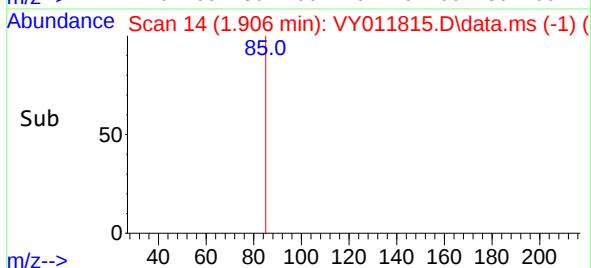
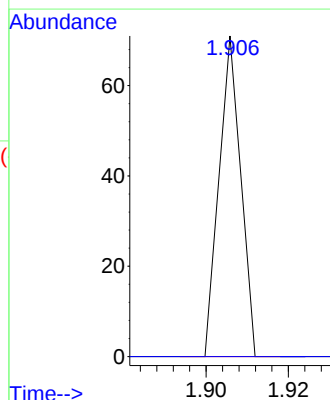
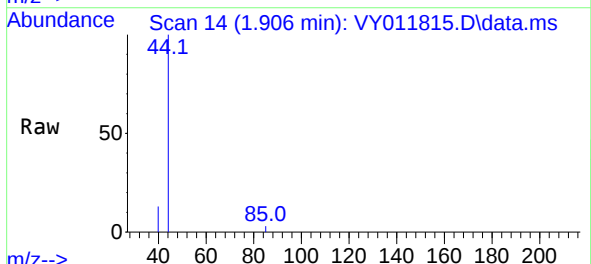
Instrument :
MSVOA_Y
ClientSampleId :
RB-20-(7-9)

Tgt Ion:168 Resp: 282565
Ion Ratio Lower Upper
168 100
99 55.9 44.0 66.0

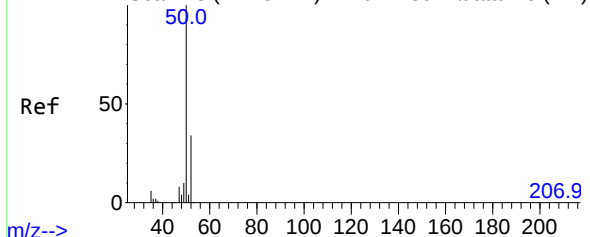


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011815.D
Acq: 14 Dec 2022 00:52

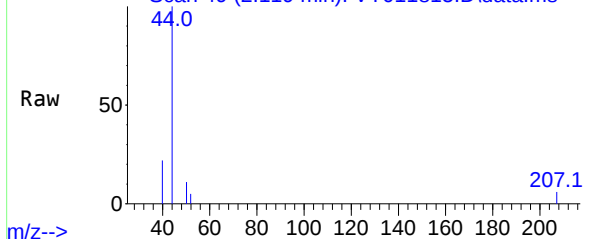
Tgt Ion: 85 Resp: 26
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



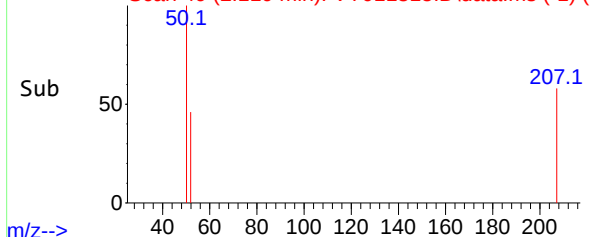
Abundance Scan 48 (2.113 min): VY011739.D\data.ms (-42)



Abundance Scan 49 (2.119 min): VY011815.D\data.ms



Abundance Scan 49 (2.119 min): VY011815.D\data.ms (-1)



#3

Chloromethane

Concen: Below Cal

RT: 2.119 min Scan# 49

Delta R.T. 0.006 min

Lab File: VY011815.D

Acq: 14 Dec 2022 00:52

Instrument :

MSVOA_Y

ClientSampleId :

RB-20-(7-9)

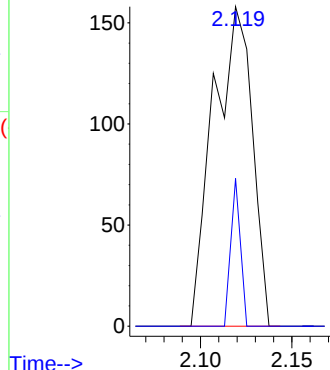
Tgt Ion: 50 Resp: 234

Ion Ratio Lower Upper

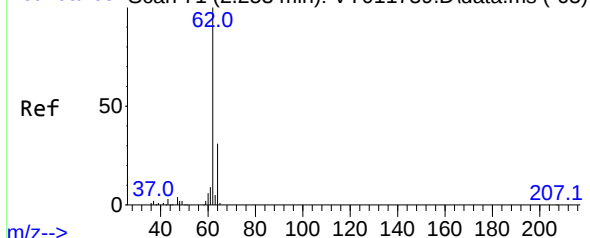
50 100

52 46.2 26.8 40.2#

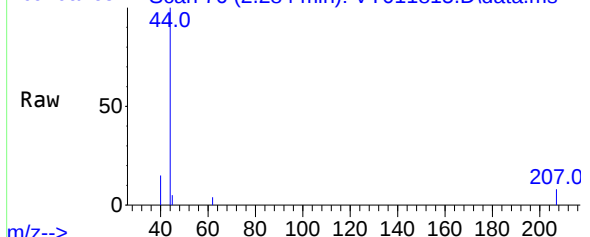
Abundance



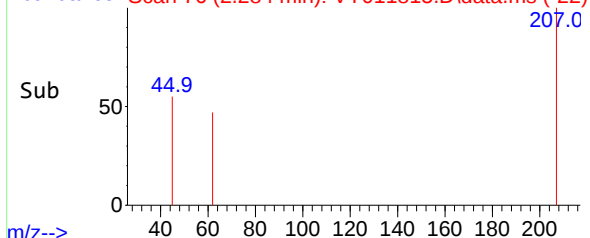
Abundance Scan 71 (2.253 min): VY011739.D\data.ms (-63)



Abundance Scan 76 (2.284 min): VY011815.D\data.ms



Abundance Scan 76 (2.284 min): VY011815.D\data.ms (-22)



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.284 min Scan# 76

Delta R.T. 0.031 min

Lab File: VY011815.D

Acq: 14 Dec 2022 00:52

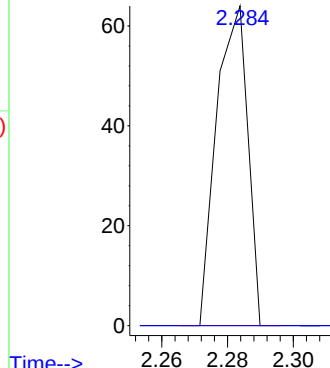
Tgt Ion: 62 Resp: 42

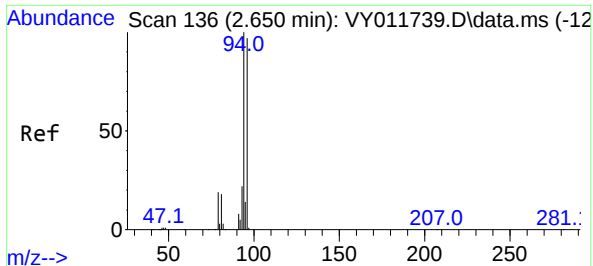
Ion Ratio Lower Upper

62 100

64 0.0 25.0 37.6#

Abundance

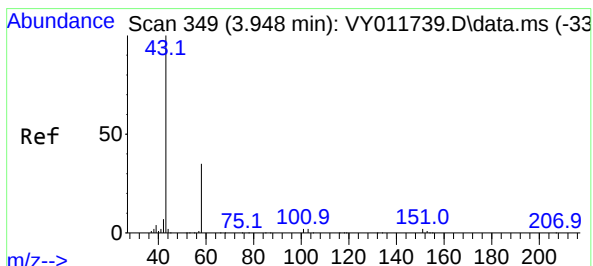
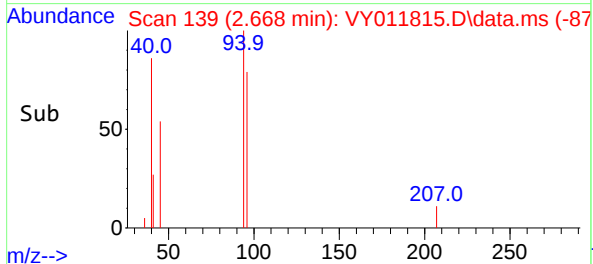
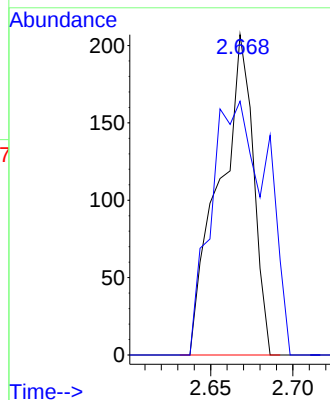
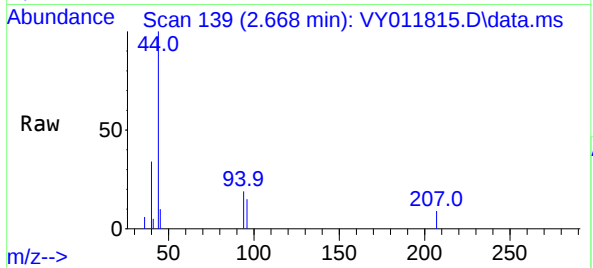




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY011815.D
Acq: 14 Dec 2022 00:52

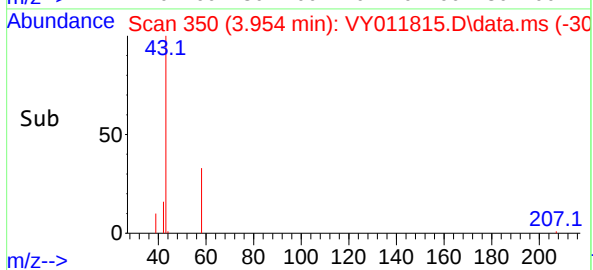
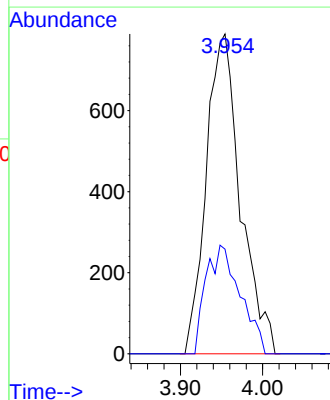
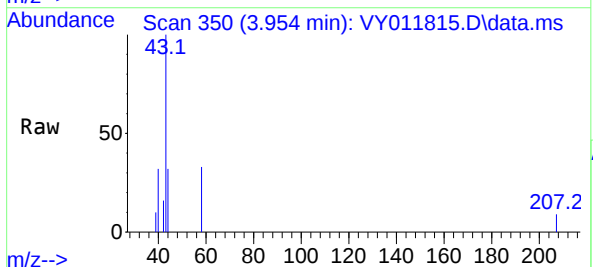
Instrument :
MSVOA_Y
ClientSampleId :
RB-20-(7-9)

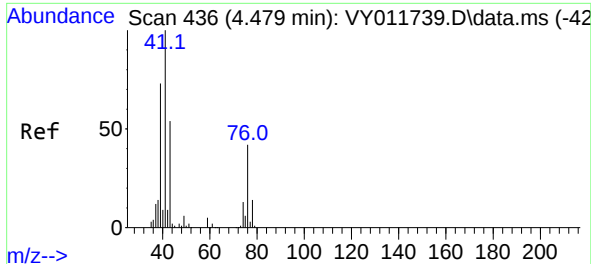
Tgt Ion: 94 Resp: 298
Ion Ratio Lower Upper
94 100
96 79.2 77.4 116.2



#16
Acetone
Concen: 2.958 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY011815.D
Acq: 14 Dec 2022 00:52

Tgt Ion: 43 Resp: 2282
Ion Ratio Lower Upper
43 100
58 32.7 27.9 41.9





#18

Methyl Acetate

Concen: Below Cal

RT: 4.491 min Scan# 41

Delta R.T. 0.012 min

Lab File: VY011815.D

Acq: 14 Dec 2022 00:52

Instrument :

MSVOA_Y

ClientSampleId :

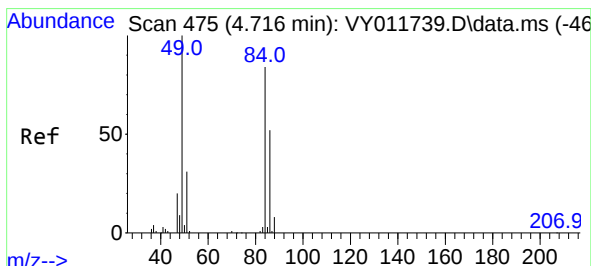
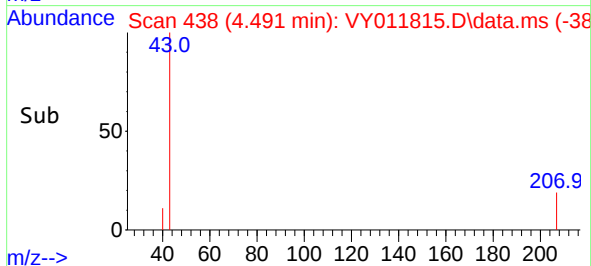
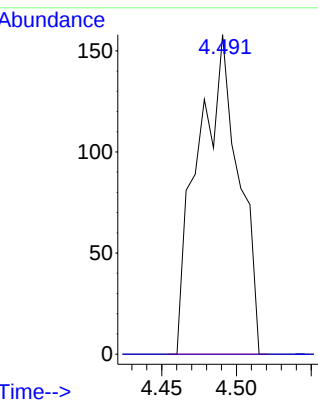
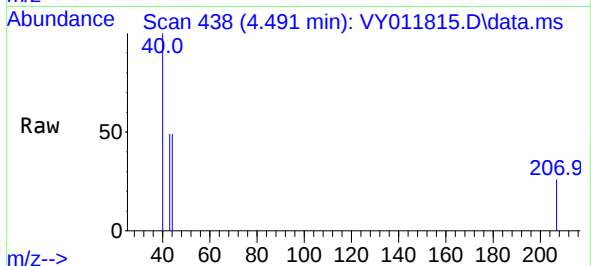
RB-20-(7-9)

Tgt Ion: 43 Resp: 298

Ion Ratio Lower Upper

43 100

74 0.0 20.1 30.1#



#20

Methylene Chloride

Concen: 1.434 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY011815.D

Acq: 14 Dec 2022 00:52

Tgt Ion: 84 Resp: 19612

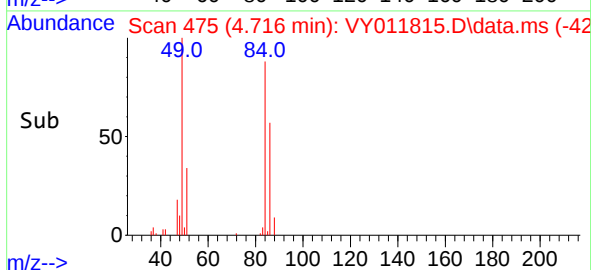
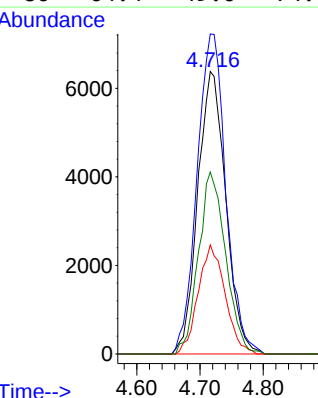
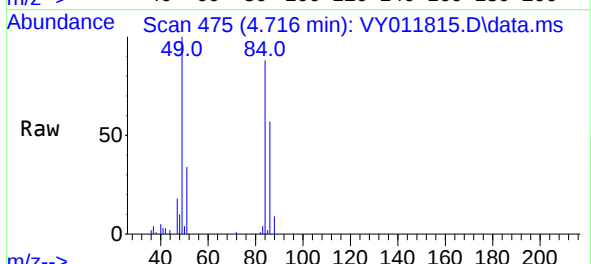
Ion Ratio Lower Upper

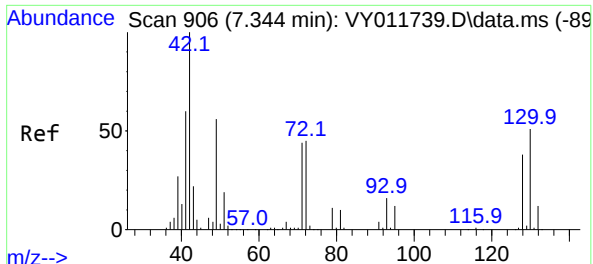
84 100

49 113.3 95.4 143.2

51 38.6 29.9 44.9

86 64.4 49.6 74.4





#29

Tetrahydrofuran

Concen: 1.260 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY011815.D

Acq: 14 Dec 2022 00:52

Instrument :

MSVOA_Y

ClientSampleId :

RB-20-(7-9)

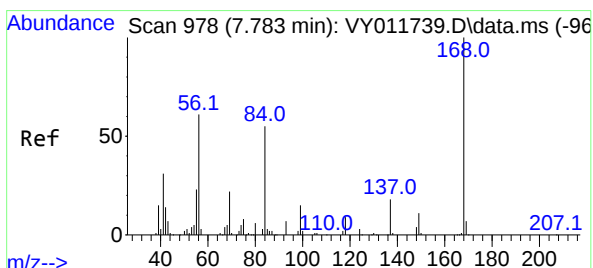
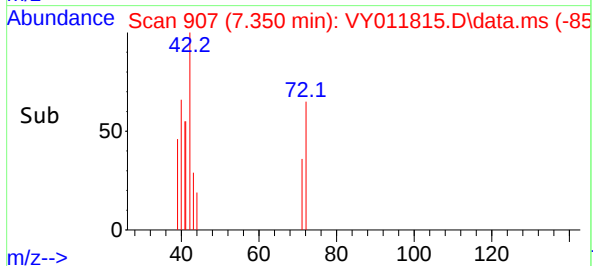
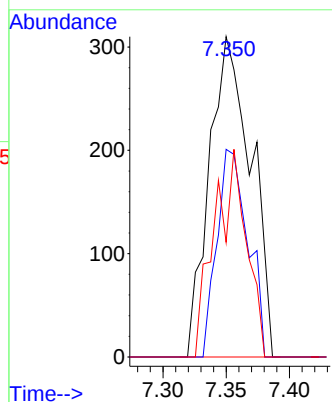
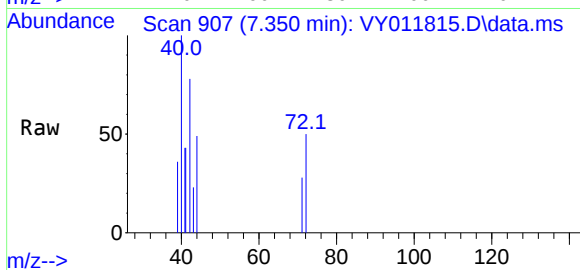
Tgt Ion: 42 Resp: 712

Ion Ratio Lower Upper

42 100

72 48.0 37.0 55.6

71 49.6 34.9 52.3



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY011815.D

Acq: 14 Dec 2022 00:52

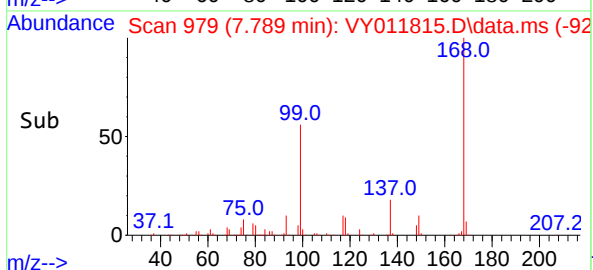
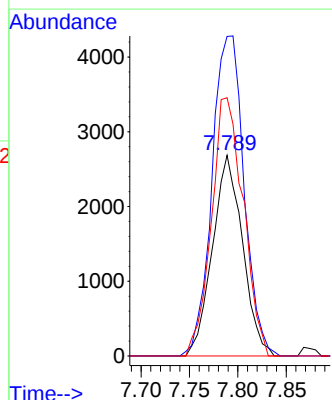
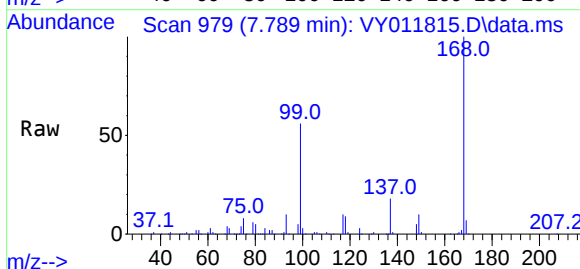
Tgt Ion: 56 Resp: 5800

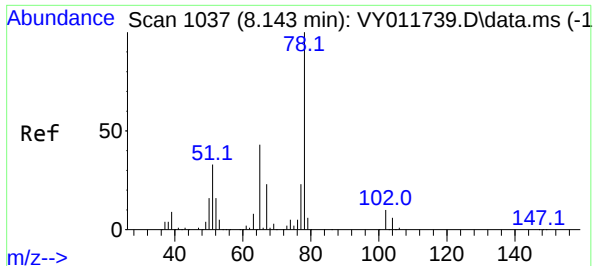
Ion Ratio Lower Upper

56 100

69 159.2 29.2 43.8#

84 128.7 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 50.162 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011815.D

Acq: 14 Dec 2022 00:52

Instrument :

MSVOA_Y

ClientSampleId :

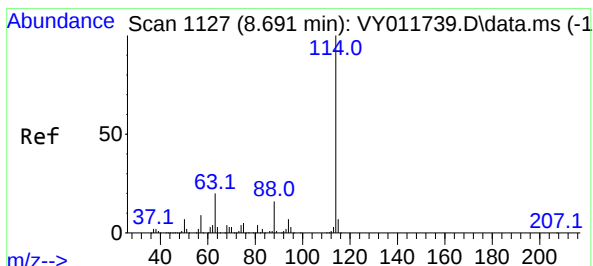
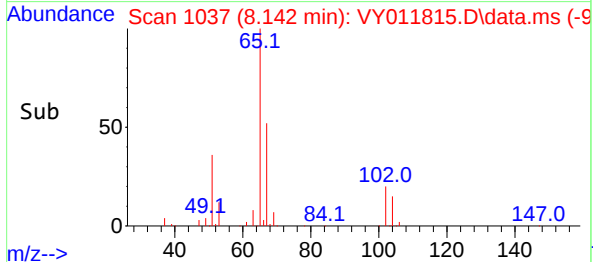
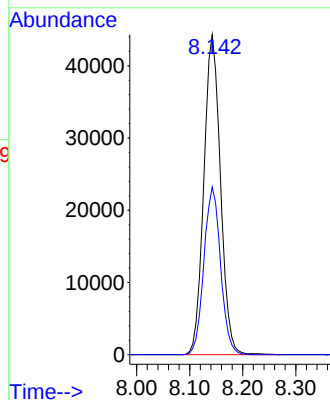
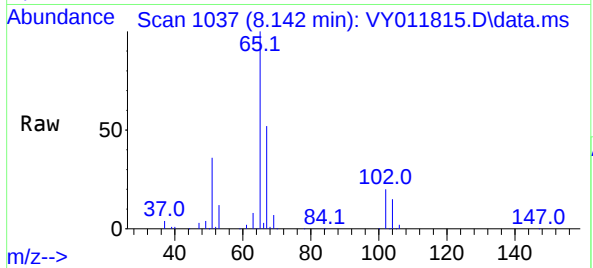
RB-20-(7-9)

Tgt Ion: 65 Resp: 96691

Ion Ratio Lower Upper

65 100

67 52.3 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: VY011815.D

Acq: 14 Dec 2022 00:52

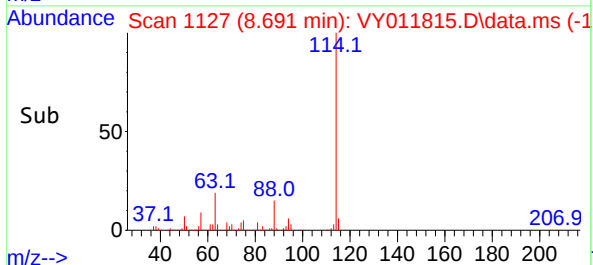
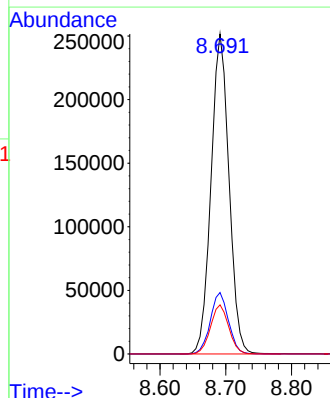
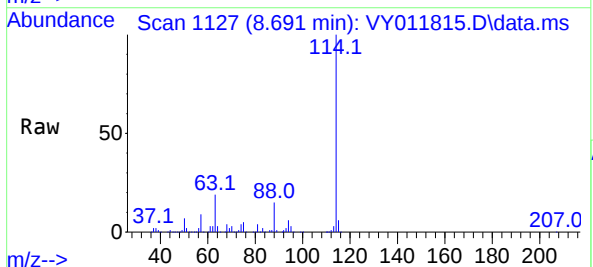
Tgt Ion: 114 Resp: 478065

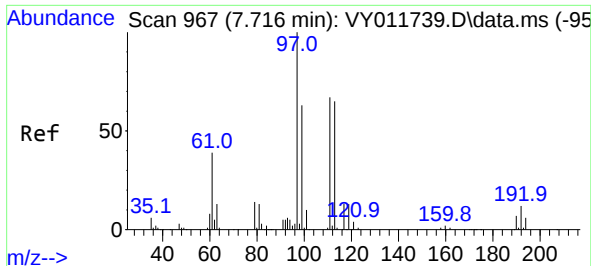
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 15.3 0.0 32.2

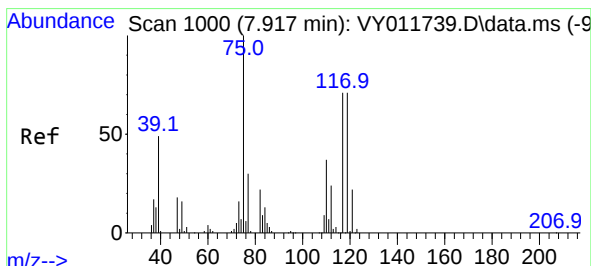
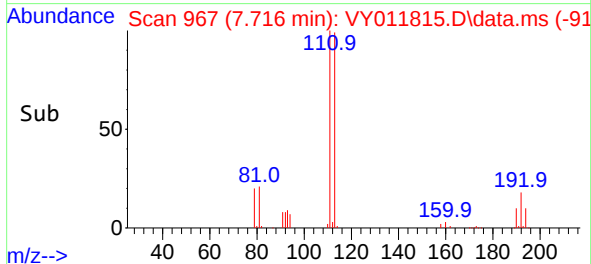
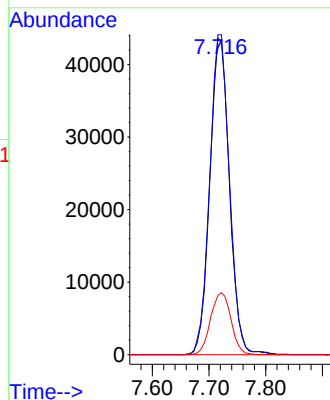
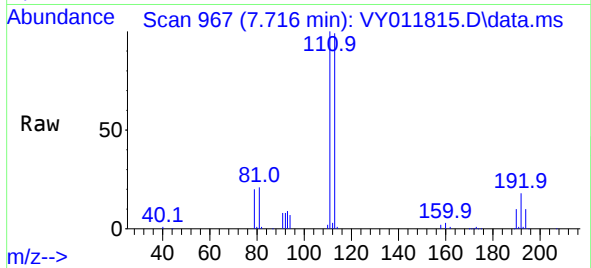




#35
Dibromofluoromethane
Concen: 49.174 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011815.D
Acq: 14 Dec 2022 00:52

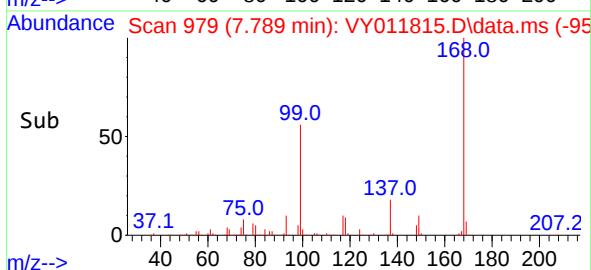
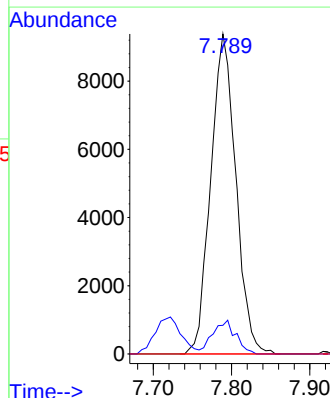
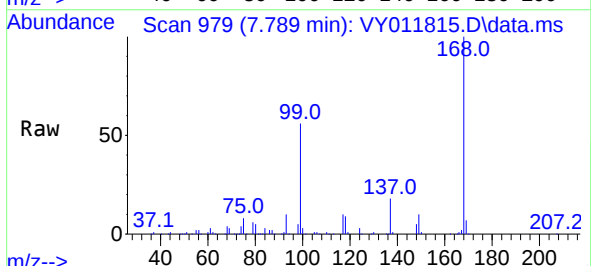
Instrument :
MSVOA_Y
ClientSampleId :
RB-20-(7-9)

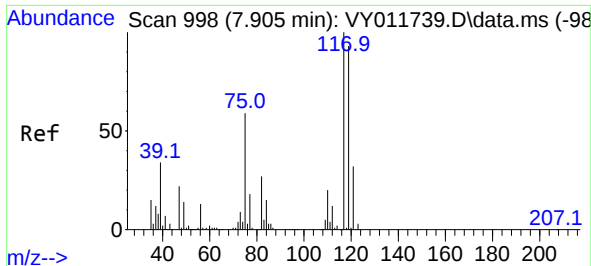
Tgt Ion:113 Resp: 104582
Ion Ratio Lower Upper
113 100
111 102.7 83.0 124.4
192 20.4 16.0 24.0



#36
1,1-Dichloropropene
Concen: 5.756 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011815.D
Acq: 14 Dec 2022 00:52

Tgt Ion: 75 Resp: 20883
Ion Ratio Lower Upper
75 100
110 9.6 18.1 54.1#
77 0.0 25.1 37.7#

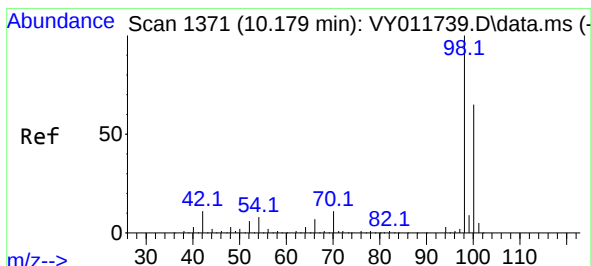
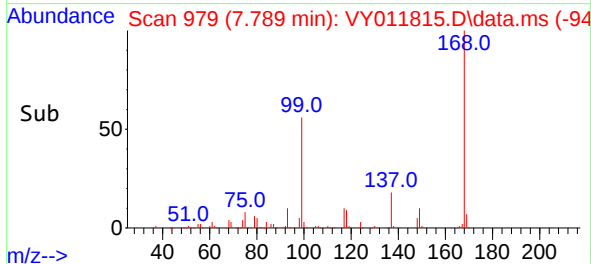
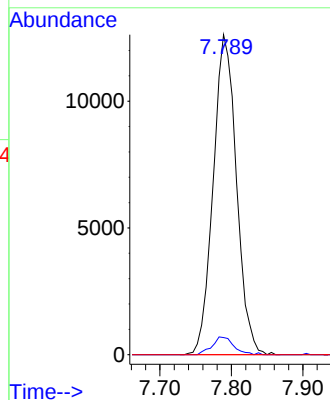
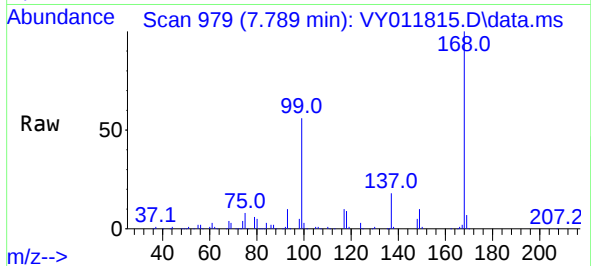




#38
Carbon Tetrachloride
Concen: 6.687 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011815.D
Acq: 14 Dec 2022 00:52

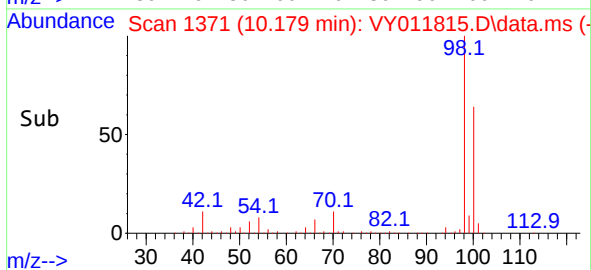
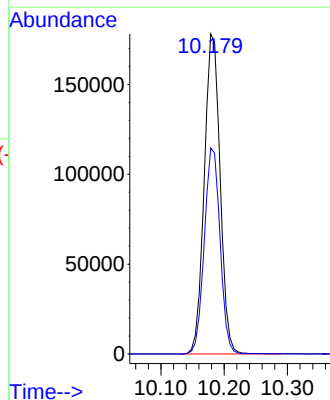
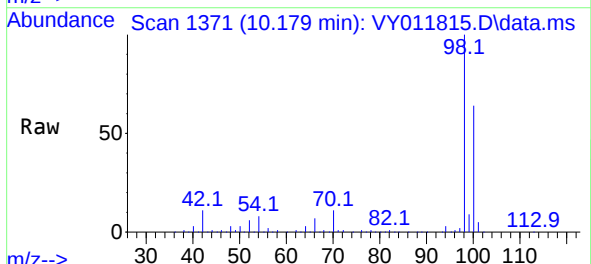
Instrument :
MSVOA_Y
ClientSampleId :
RB-20-(7-9)

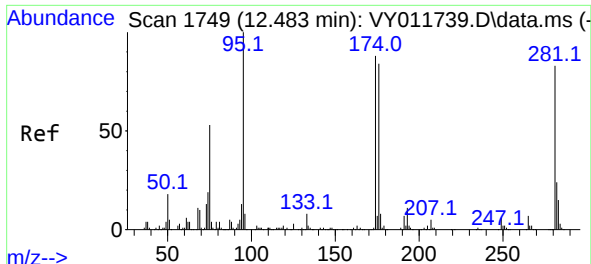
Tgt Ion:117 Resp: 28496
Ion Ratio Lower Upper
117 100
119 5.3 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 43.931 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011815.D
Acq: 14 Dec 2022 00:52

Tgt Ion: 98 Resp: 311537
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9

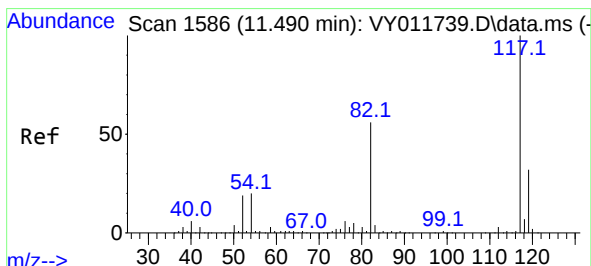
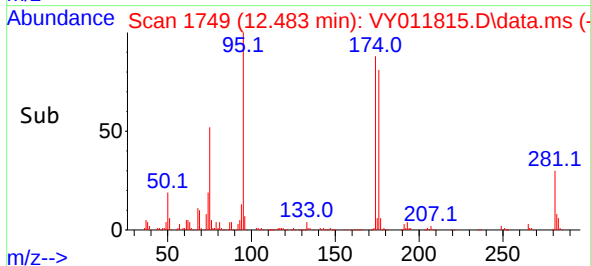
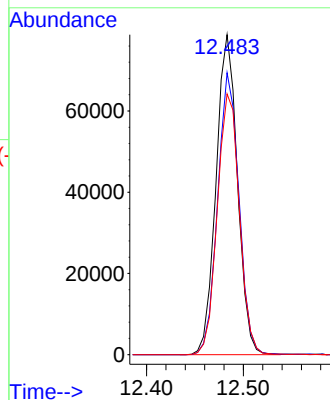
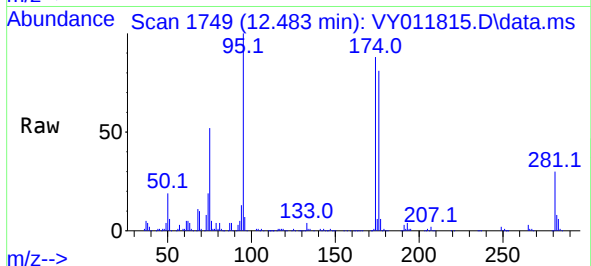




#62
4-Bromofluorobenzene
Concen: 42.953 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011815.D
Acq: 14 Dec 2022 00:52

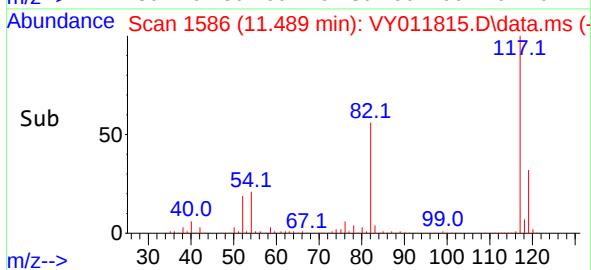
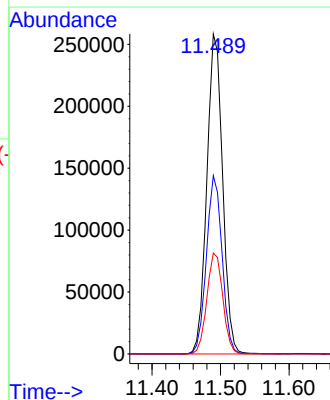
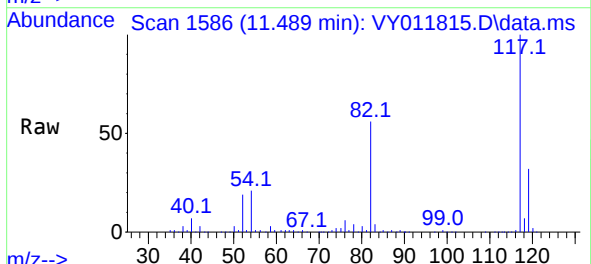
Instrument :
MSVOA_Y
ClientSampleId :
RB-20-(7-9)

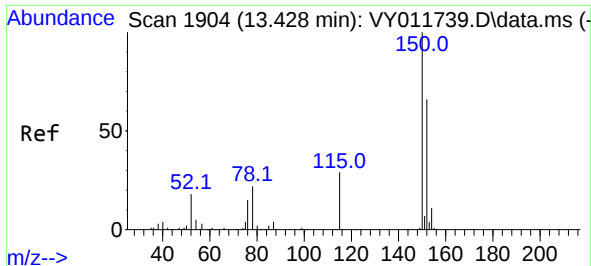
Tgt Ion: 95 Resp: 120837
Ion Ratio Lower Upper
95 100
174 87.7 0.0 172.0
176 84.2 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011815.D
Acq: 14 Dec 2022 00:52

Tgt Ion: 117 Resp: 414178
Ion Ratio Lower Upper
117 100
82 55.7 44.8 67.2
119 31.5 25.4 38.2

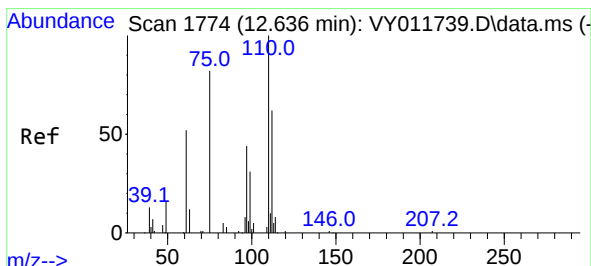
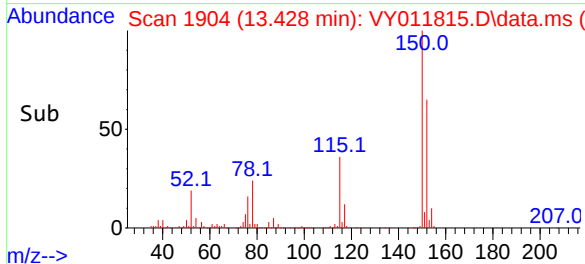
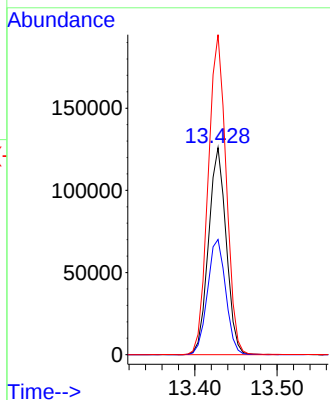
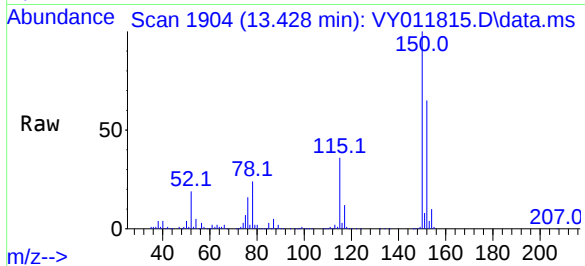




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011815.D
Acq: 14 Dec 2022 00:52

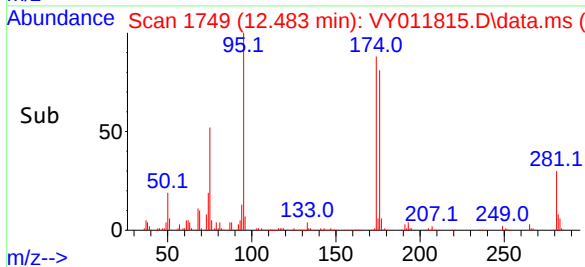
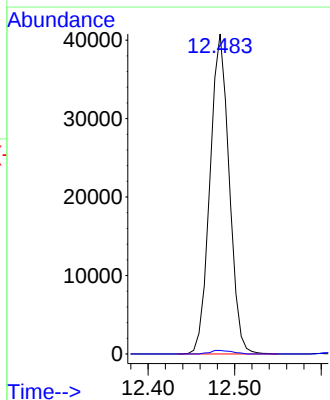
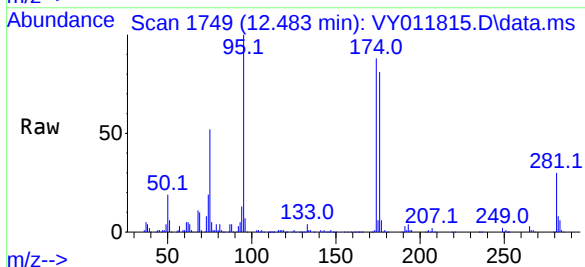
Instrument :
MSVOA_Y
ClientSampleId :
RB-20-(7-9)

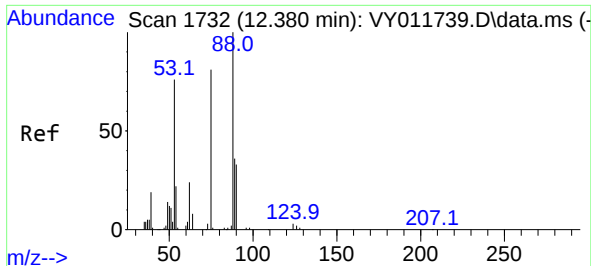
Tgt Ion:152 Resp: 188262
Ion Ratio Lower Upper
152 100
115 57.5 29.1 87.3
150 157.7 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 32.981 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011815.D
Acq: 14 Dec 2022 00:52

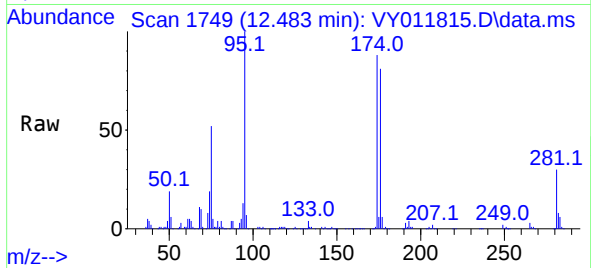
Tgt Ion: 75 Resp: 62819
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.840 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY011815.D
 Acq: 14 Dec 2022 00:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-20-(7-9)



Tgt Ion: 75 Resp: 62819

Ion	Ratio	Lower	Upper
75	100		
53	0.0	72.5	108.7#
89	0.3	37.0	55.4#

