

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011822.D
 Acq On : 14 Dec 2022 03:30
 Operator : KP/MD
 Sample : N6037-16
 Misc : 6.48g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-25-(1-3)

Quant Time: Dec 14 05:38:21 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)

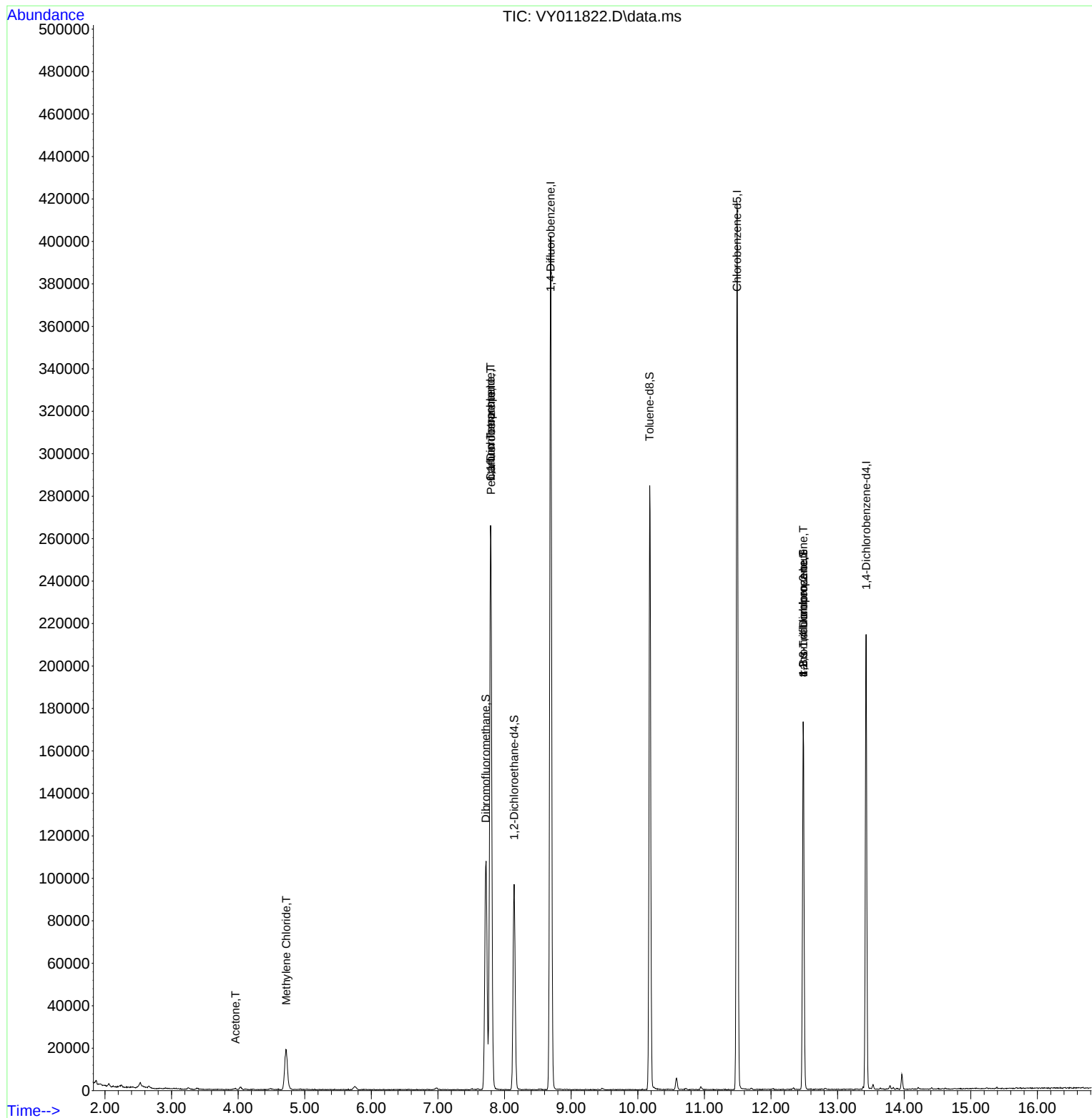
Internal Standards						
1) Pentafluorobenzene	7.795	168	206928	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	338255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	226571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	55725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	75922	54.167	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.340%			
35) Dibromofluoromethane	7.716	113	77839	51.946	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.900%			
50) Toluene-d8	10.179	98	192787	37.462	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 74.920%			
62) 4-Bromofluorobenzene	12.483	95	48794	22.355	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 44.720%			
Target Compounds						
3) Chloromethane	2.113	50	100	Below Cal	#	41
4) Vinyl Chloride	2.479	62	20	Below Cal	#	43
5) Bromomethane	2.662	94	200	Below Cal		95
11) Tert butyl alcohol	4.966	59	66	Below Cal	#	74
16) Acetone	3.960	43	925	1.637	ug/l	91
18) Methyl Acetate	4.485	43	1006	Below Cal	#	81
20) Methylene Chloride	4.723	84	14603	1.570	ug/l	95
31) Cyclohexane	7.795	56	4233	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	15014	5.849	ug/l #	50
38) Carbon Tetrachloride	7.789	117	20188	6.696	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	25225	44.742	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	25225	101.528	ug/l #	13

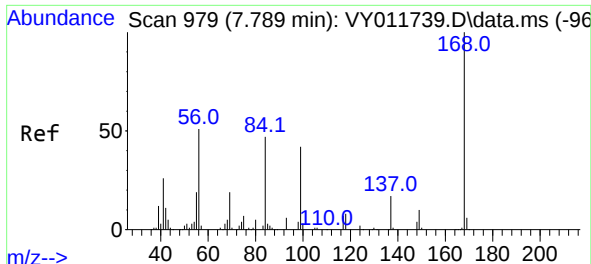
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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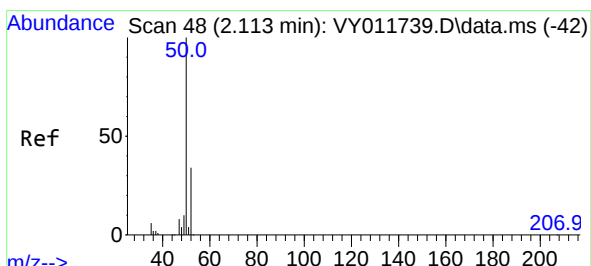
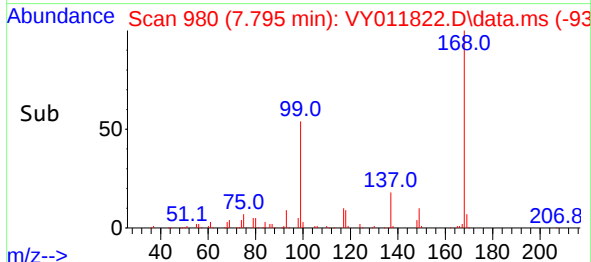
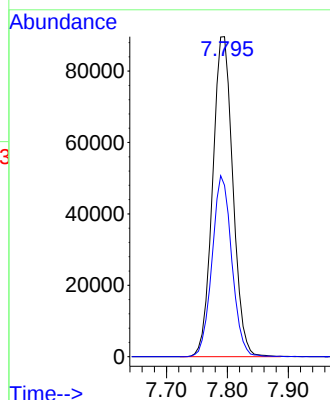
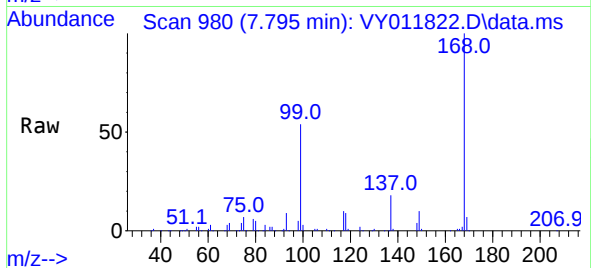




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011822.D
Acq: 14 Dec 2022 03:30

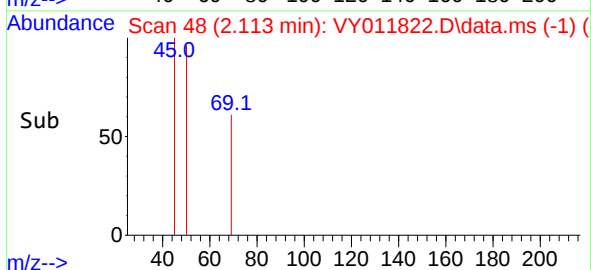
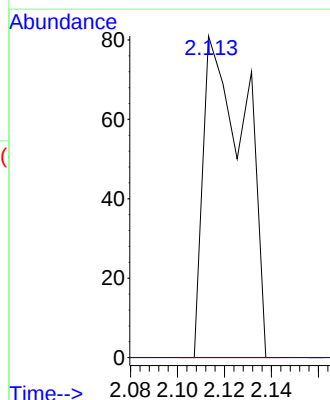
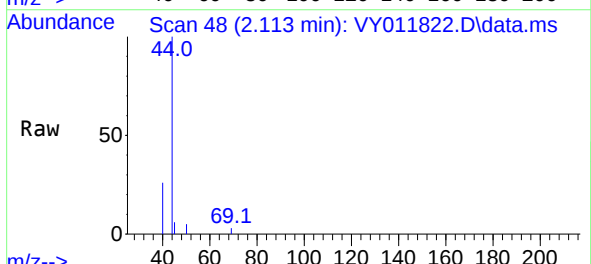
Instrument :
MSVOA_Y
ClientSampleId :
RB-25-(1-3)

Tgt Ion:168 Resp: 206928
Ion Ratio Lower Upper
168 100
99 53.6 44.0 66.0

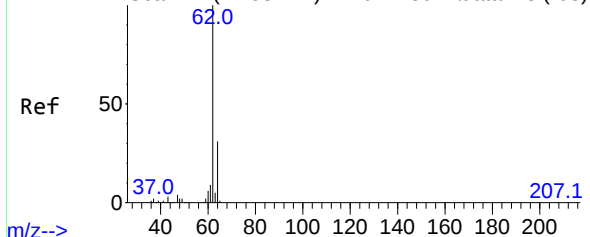


#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY011822.D
Acq: 14 Dec 2022 03:30

Tgt Ion: 50 Resp: 100
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: 2.479 min Scan# 108

Delta R.T. 0.226 min

Lab File: VY011822.D

Acq: 14 Dec 2022 03:30

Instrument :

MSVOA_Y

ClientSampleId :

RB-25-(1-3)

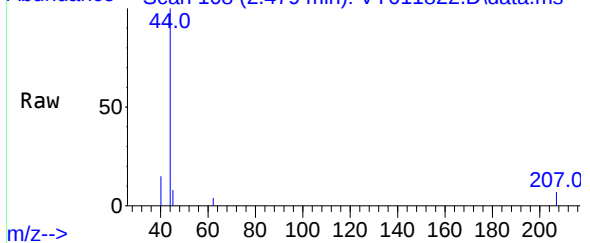
Tgt Ion: 62 Resp: 20

Ion Ratio Lower Upper

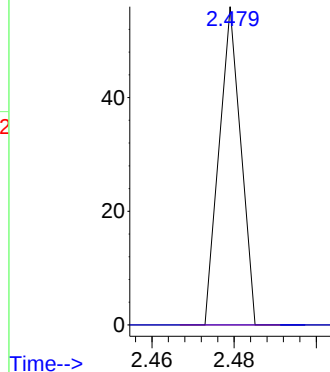
62 100

64 0.0 25.0 37.6#

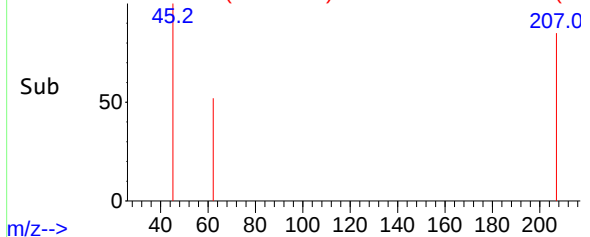
Abundance Scan 108 (2.479 min): VY011822.D\data.ms



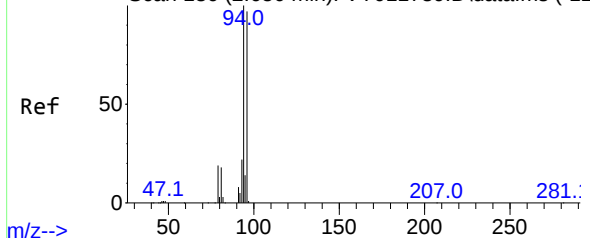
Abundance



Abundance Scan 108 (2.479 min): VY011822.D\data.ms (-22)



Abundance Scan 136 (2.650 min): VY011739.D\data.ms (-12)



#5

Bromomethane

Concen: Below Cal

RT: 2.662 min Scan# 138

Delta R.T. 0.012 min

Lab File: VY011822.D

Acq: 14 Dec 2022 03:30

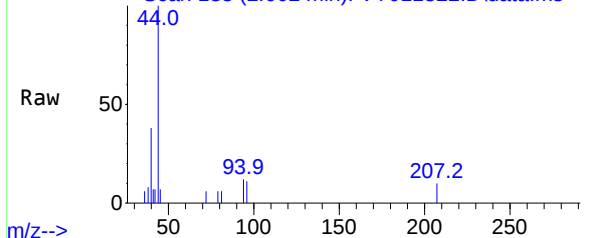
Tgt Ion: 94 Resp: 200

Ion Ratio Lower Upper

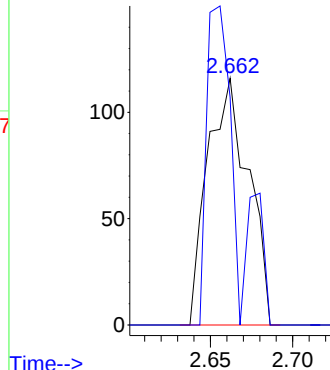
94 100

96 92.2 77.4 116.2

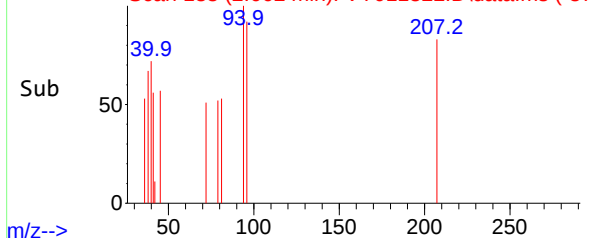
Abundance Scan 138 (2.662 min): VY011822.D\data.ms

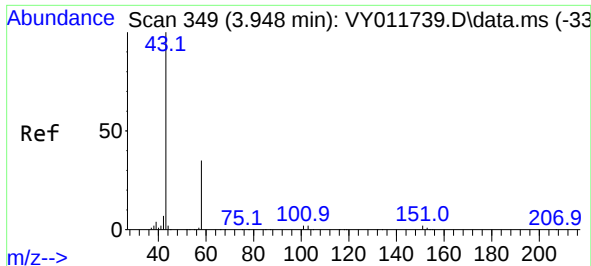


Abundance



Abundance Scan 138 (2.662 min): VY011822.D\data.ms (-87)

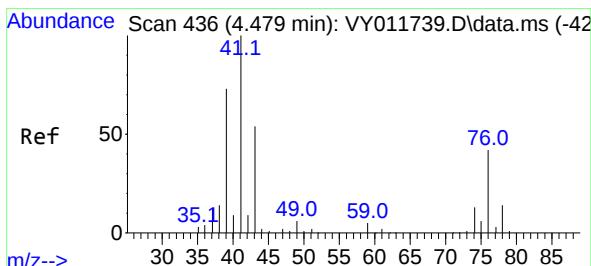
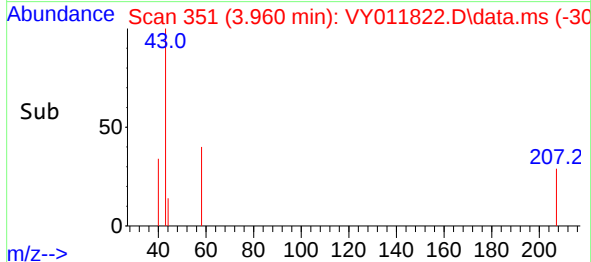
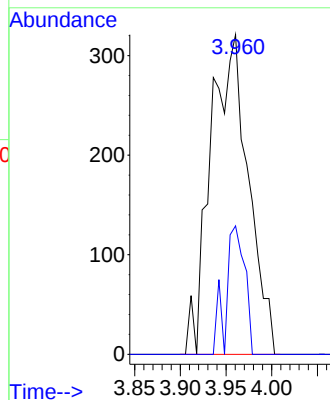
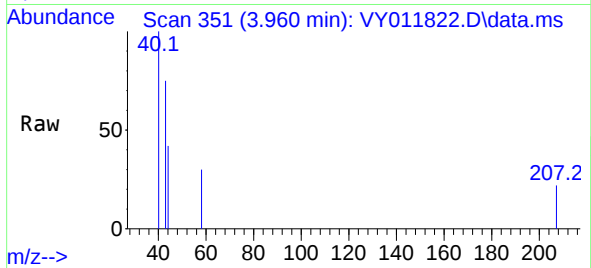




#16
Acetone
Concen: 1.637 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY011822.D
Acq: 14 Dec 2022 03:30

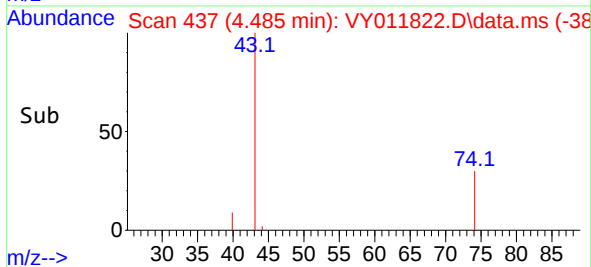
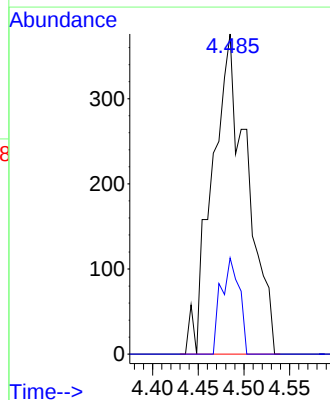
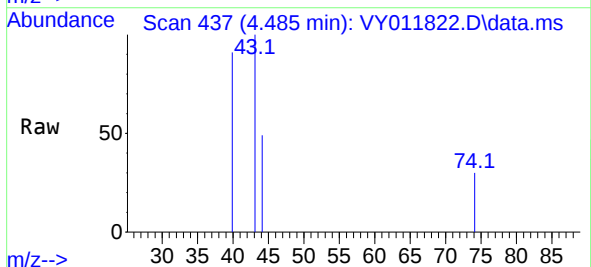
Instrument :
MSVOA_Y
ClientSampleId :
RB-25-(1-3)

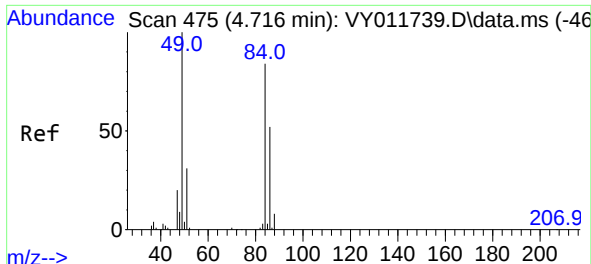
Tgt Ion: 43 Resp: 925
Ion Ratio Lower Upper
43 100
58 40.2 27.9 41.9



#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY011822.D
Acq: 14 Dec 2022 03:30

Tgt Ion: 43 Resp: 1006
Ion Ratio Lower Upper
43 100
74 15.6 20.1 30.1#



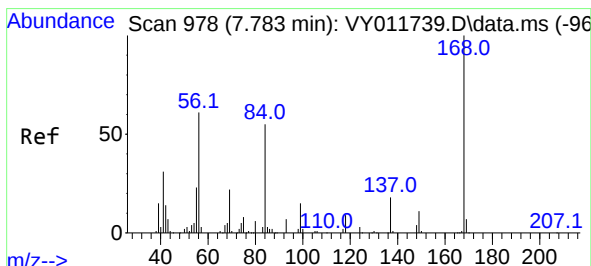
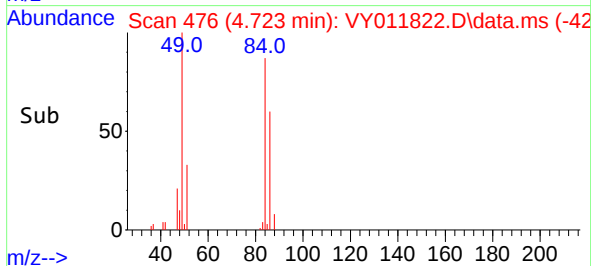
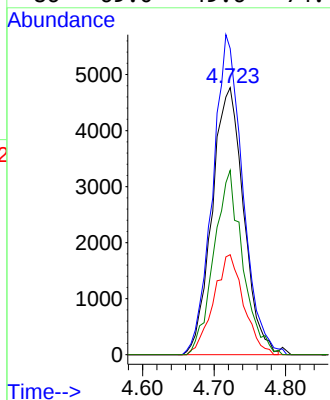
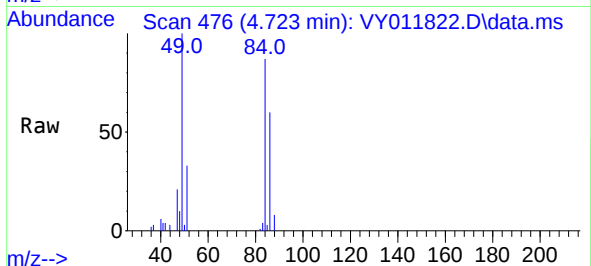


#20
Methylene Chloride
Concen: 1.570 ug/l
RT: 4.723 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011822.D
Acq: 14 Dec 2022 03:30

Instrument :
MSVOA_Y
ClientSampleId :
RB-25-(1-3)

Tgt Ion: 84 Resp: 14603

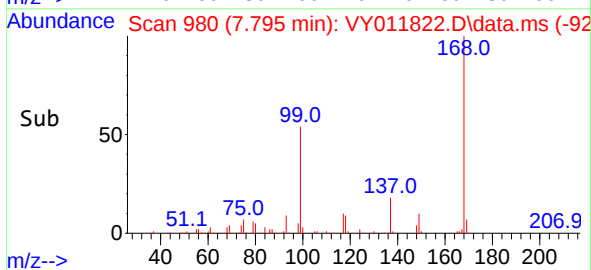
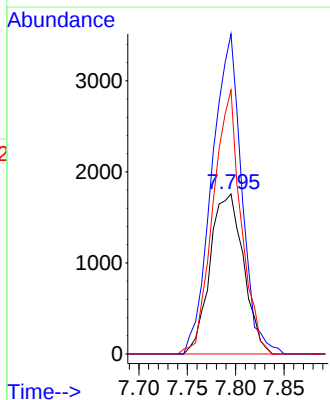
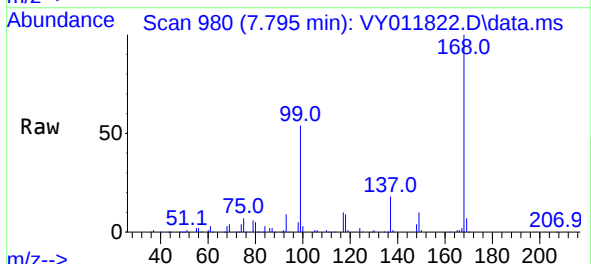
Ion	Ratio	Lower	Upper
84	100		
49	114.6	95.4	143.2
51	37.5	29.9	44.9
86	69.0	49.6	74.4

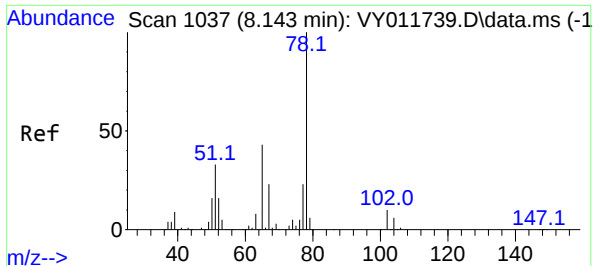


#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY011822.D
Acq: 14 Dec 2022 03:30

Tgt Ion: 56 Resp: 4233

Ion	Ratio	Lower	Upper
56	100		
69	200.1	29.2	43.8#
84	164.9	72.6	108.8#





#33

1,2-Dichloroethane-d4

Concen: 54.167 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011822.D

Acq: 14 Dec 2022 03:30

Instrument :

MSVOA_Y

ClientSampleId :

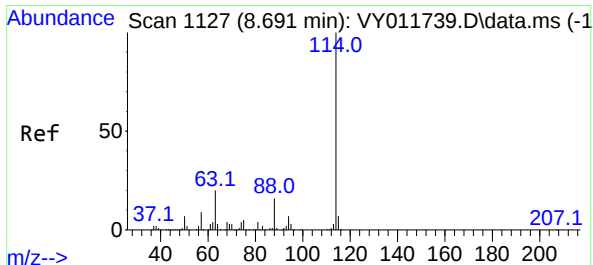
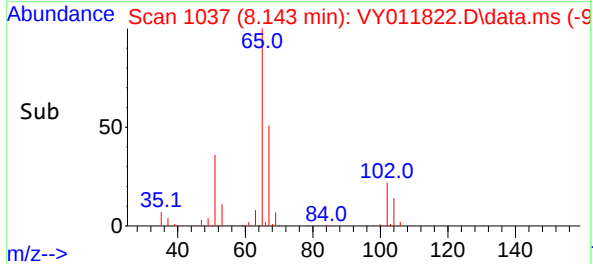
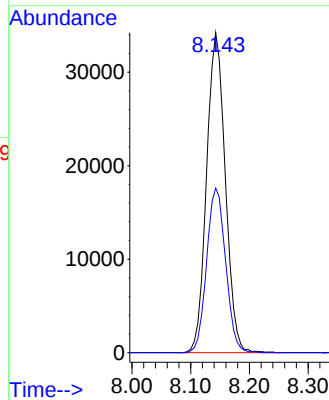
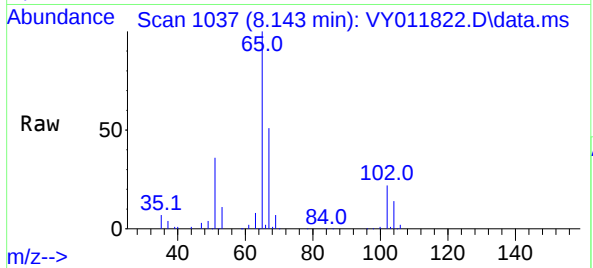
RB-25-(1-3)

Tgt Ion: 65 Resp: 75922

Ion Ratio Lower Upper

65 100

67 52.0 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: VY011822.D

Acq: 14 Dec 2022 03:30

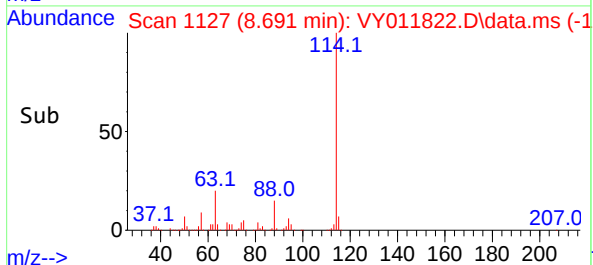
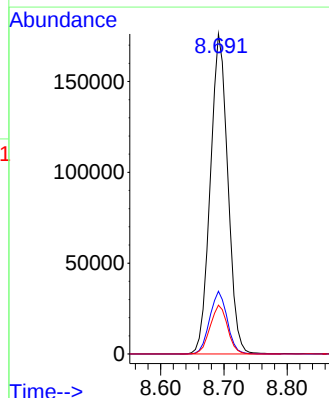
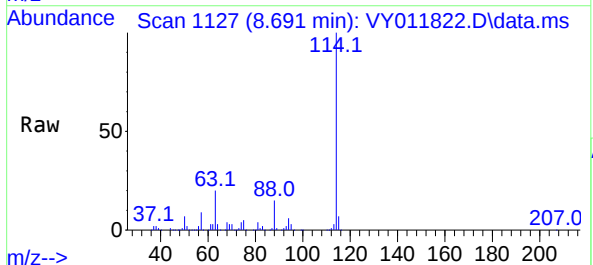
Tgt Ion: 114 Resp: 338255

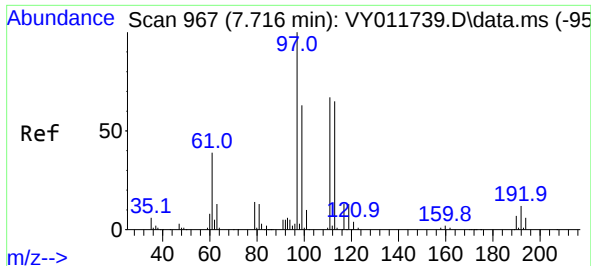
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 15.2 0.0 32.2

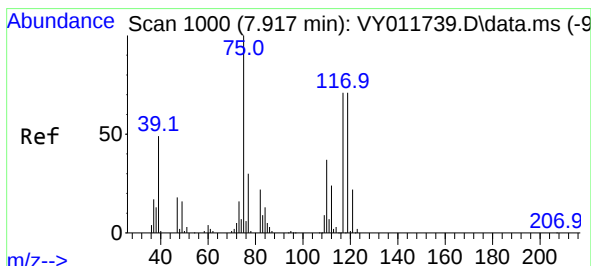
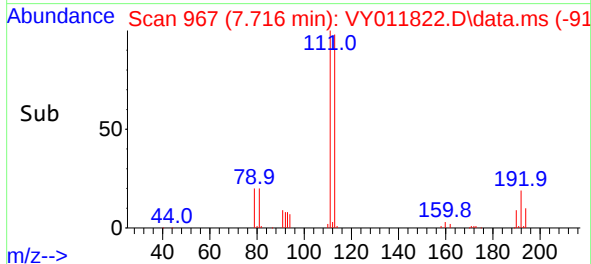
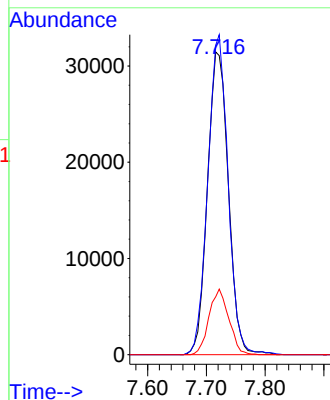
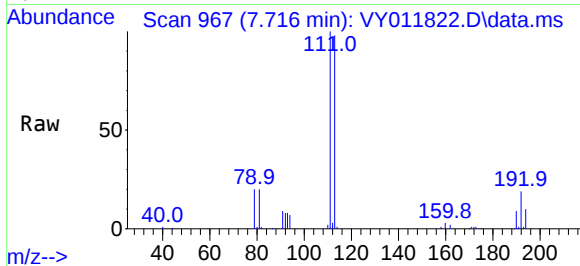




#35
Dibromofluoromethane
Concen: 51.946 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011822.D
Acq: 14 Dec 2022 03:30

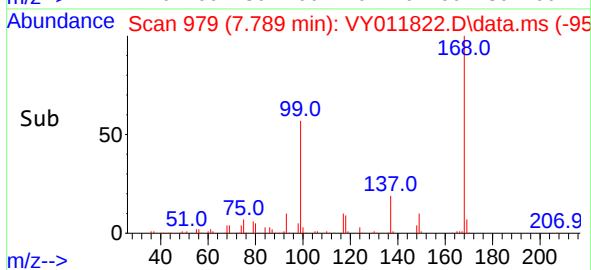
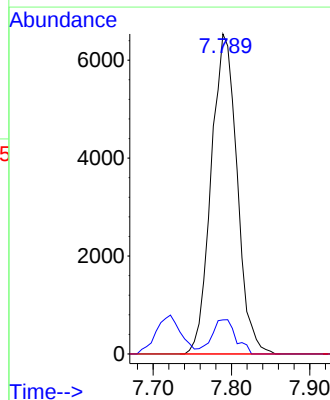
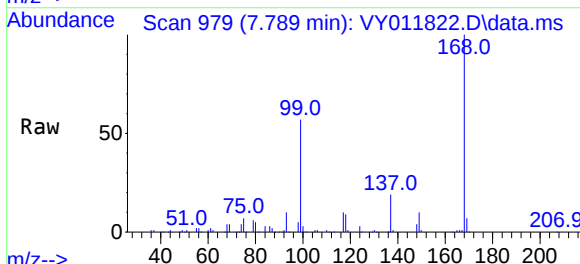
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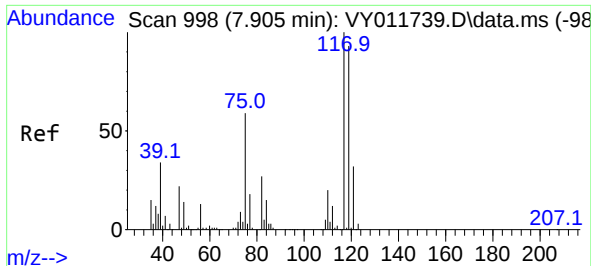
Tgt Ion:	113	Resp:	77839
Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.0	124.4
192	20.5	16.0	24.0



#36
1,1-Dichloropropene
Concen: 5.849 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011822.D
Acq: 14 Dec 2022 03:30

Tgt Ion:	75	Resp:	15014
Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.1	54.1#
77	0.0	25.1	37.7#

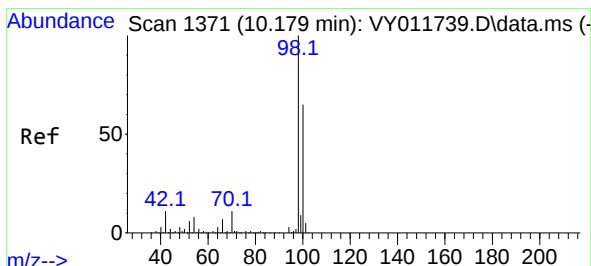
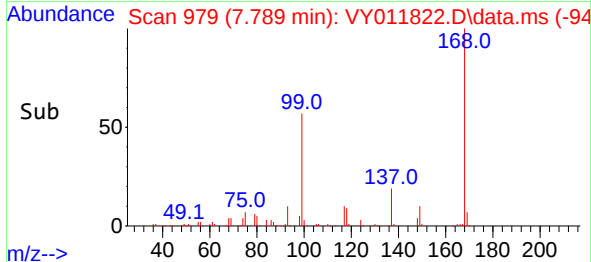
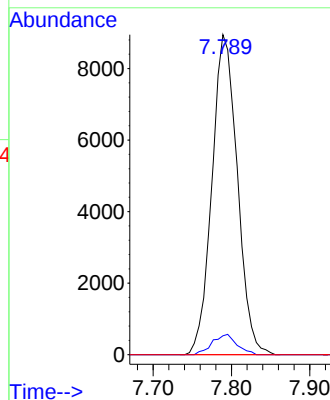
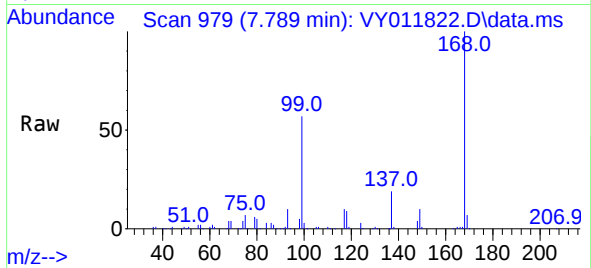




#38
Carbon Tetrachloride
Concen: 6.696 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011822.D
Acq: 14 Dec 2022 03:30

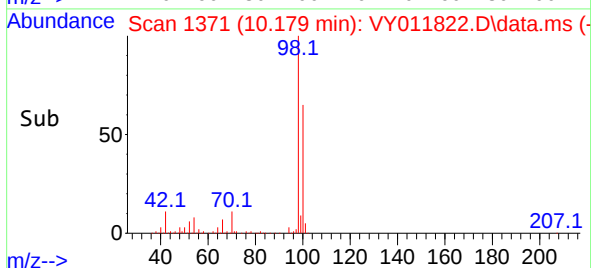
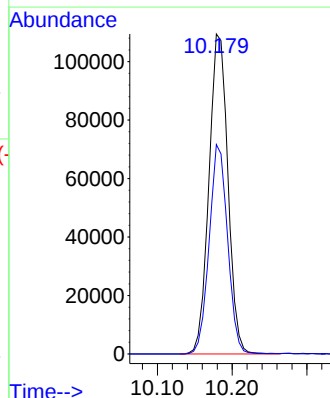
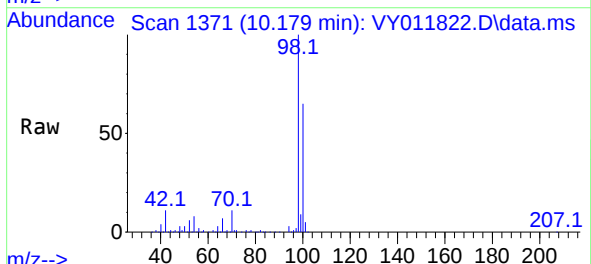
Instrument :
MSVOA_Y
ClientSampleId :
RB-25-(1-3)

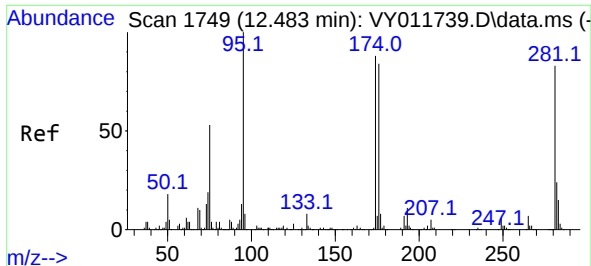
Tgt Ion:117 Resp: 20188
Ion Ratio Lower Upper
117 100
119 5.9 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 37.462 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011822.D
Acq: 14 Dec 2022 03:30

Tgt Ion: 98 Resp: 192787
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9

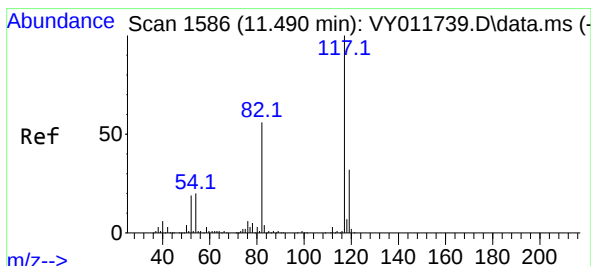
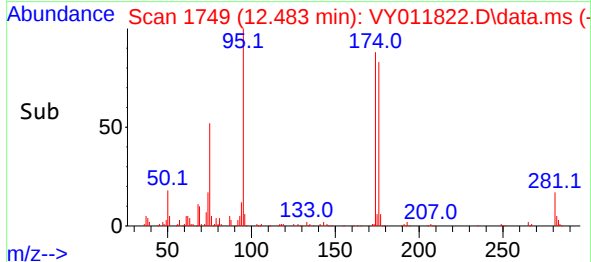
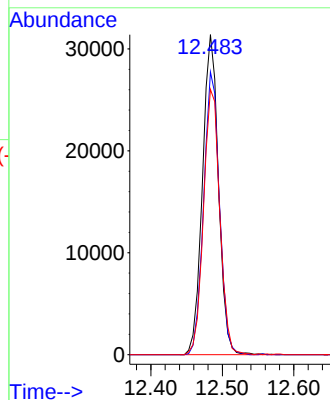
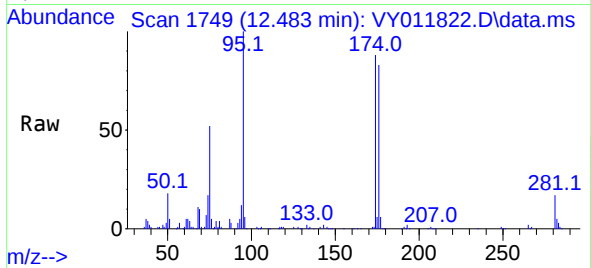




#62
4-Bromofluorobenzene
Concen: 22.355 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011822.D
Acq: 14 Dec 2022 03:30

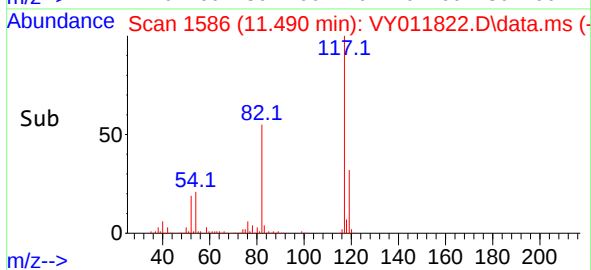
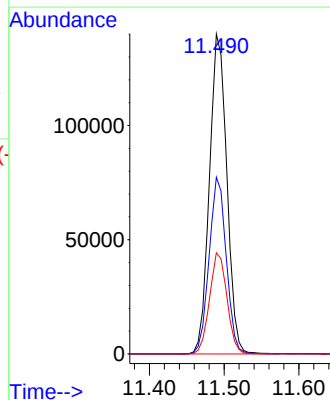
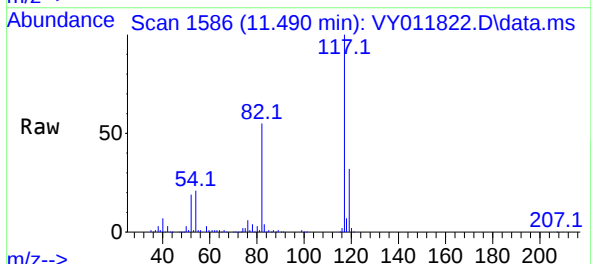
Instrument :
MSVOA_Y
ClientSampleId :
RB-25-(1-3)

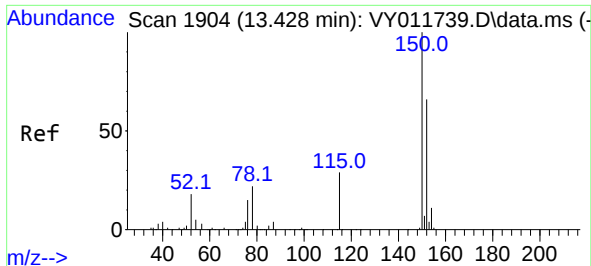
Tgt Ion: 95	Resp: 48794
Ion Ratio	Lower Upper
95 100	
174 87.0	0.0 172.0
176 84.2	0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY011822.D
Acq: 14 Dec 2022 03:30

Tgt Ion:117	Resp: 226571
Ion Ratio	Lower Upper
117 100	
82 55.3	44.8 67.2
119 31.6	25.4 38.2

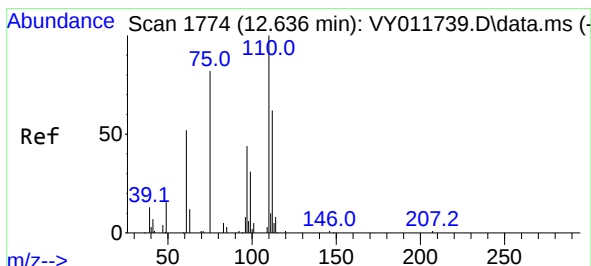
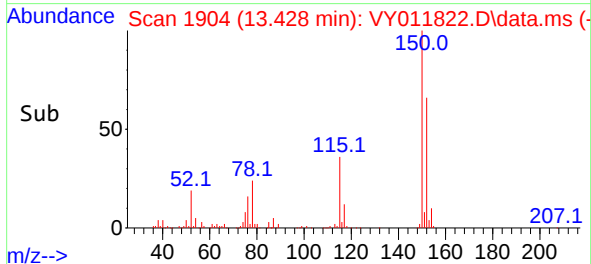
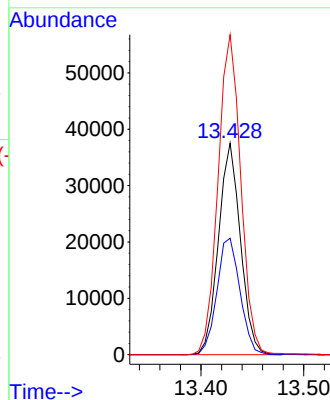
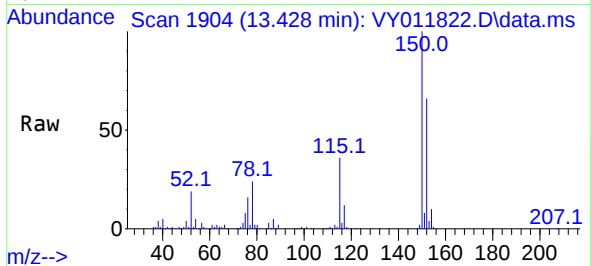




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011822.D
Acq: 14 Dec 2022 03:30

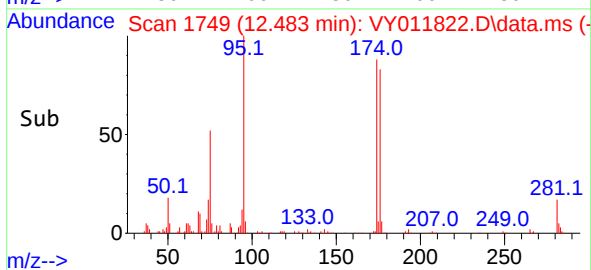
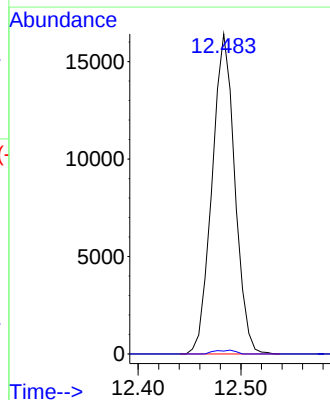
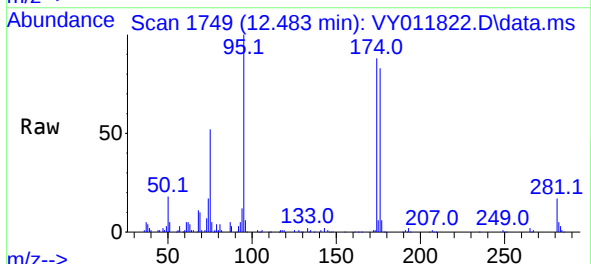
Instrument :
MSVOA_Y
ClientSampleId :
RB-25-(1-3)

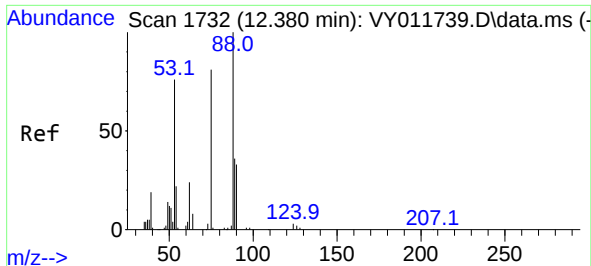
Tgt Ion:152 Resp: 55725
Ion Ratio Lower Upper
152 100
115 57.9 29.1 87.3
150 156.9 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 44.742 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011822.D
Acq: 14 Dec 2022 03:30

Tgt Ion: 75 Resp: 25225
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.528 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY011822.D
 Acq: 14 Dec 2022 03:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-25-(1-3)

Tgt Ion: 75 Resp: 25225
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.0 37.0 55.4#

