

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011814.D
 Acq On : 14 Dec 2022 00:29
 Operator : KP/MD
 Sample : N6037-05
 Misc : 5.18g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-20-(5-7)

Quant Time: Dec 14 05:37:11 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)

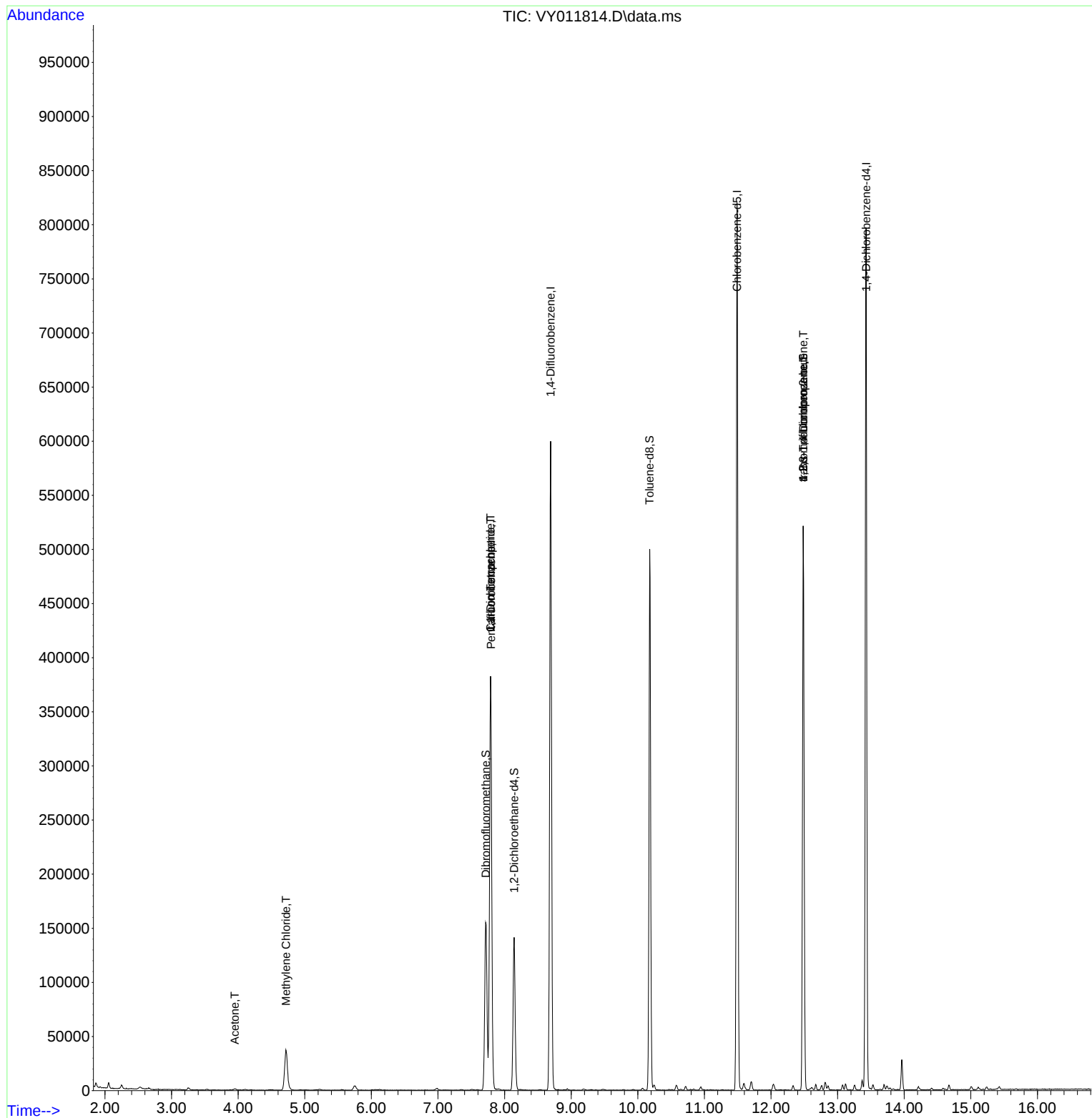
Internal Standards						
1) Pentafluorobenzene	7.795	168	295206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	506959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	445129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	205985	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	107636	53.796	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.600%			
35) Dibromofluoromethane	7.716	113	111070	49.254	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.500%			
50) Toluene-d8	10.179	98	325495	43.170	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 86.340%			
62) 4-Bromofluorobenzene	12.483	95	131610	44.252	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.500%			
Target Compounds						
2) Dichlorodifluoromethane	1.900	85	101	Below Cal	#	41
3) Chloromethane	2.113	50	344	Below Cal		98
4) Vinyl Chloride	2.247	62	162	Below Cal	#	43
5) Bromomethane	2.662	94	431	Below Cal		84
11) Tert butyl alcohol	4.942	59	355	Below Cal	#	74
16) Acetone	3.948	43	2109	2.616	ug/l	90
18) Methyl Acetate	4.485	43	593	Below Cal	#	50
20) Methylene Chloride	4.716	84	27650	4.262	ug/l	98
31) Cyclohexane	7.789	56	6297	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	21971	5.711	ug/l	# 49
38) Carbon Tetrachloride	7.789	117	29843	6.604	ug/l	# 17
76) 1,2,3-Trichloropropane	12.483	75	68667	32.949	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	68667	74.768	ug/l	# 13

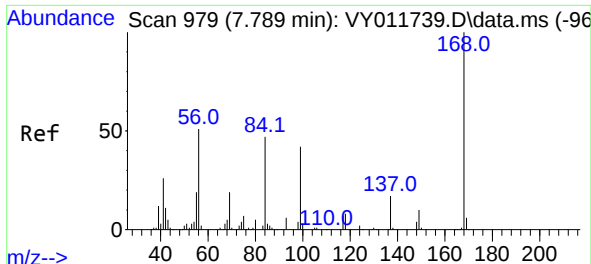
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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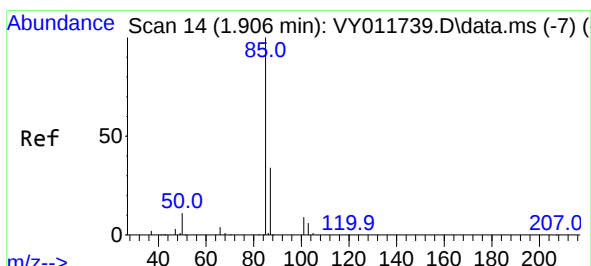
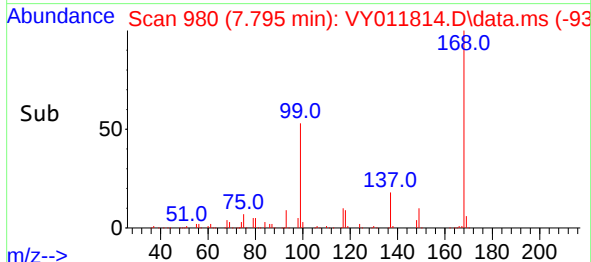
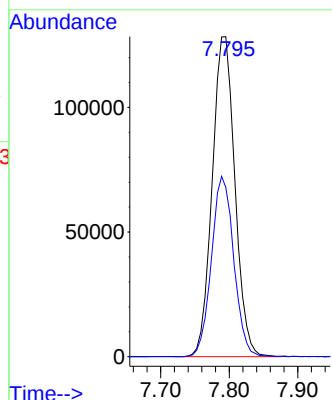
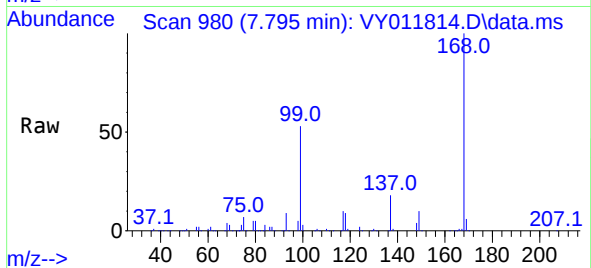




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011814.D
Acq: 14 Dec 2022 00:29

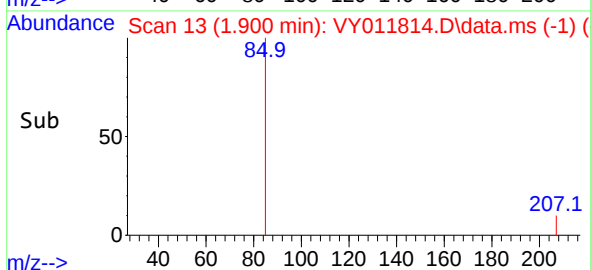
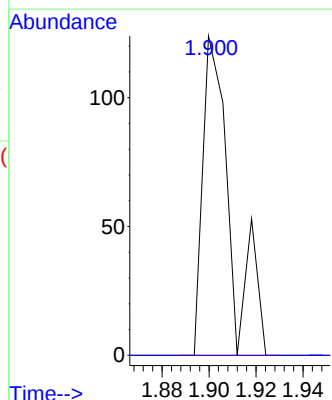
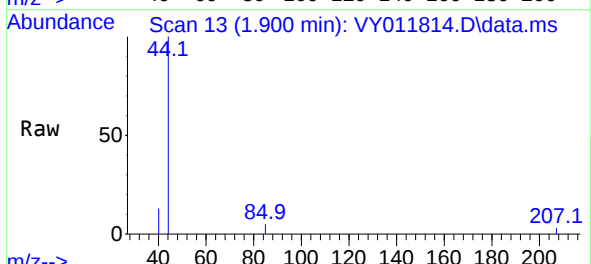
Instrument :
MSVOA_Y
ClientSampleId :
RB-20-(5-7)

Tgt Ion:168 Resp: 295206
Ion Ratio Lower Upper
168 100
99 52.9 44.0 66.0

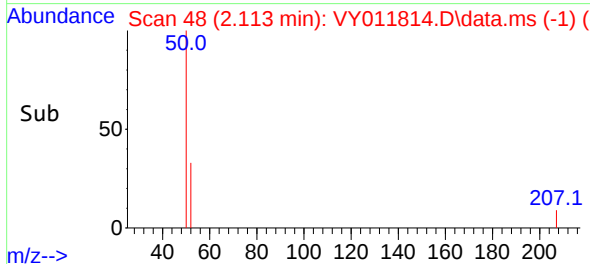
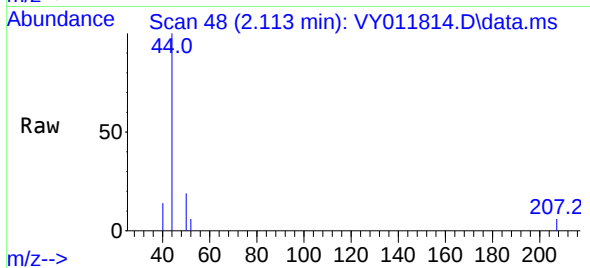
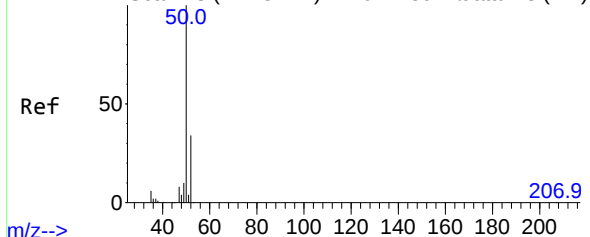


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011814.D
Acq: 14 Dec 2022 00:29

Tgt Ion: 85 Resp: 101
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: VY011814.D

Acq: 14 Dec 2022 00:29

Instrument :

MSVOA_Y

ClientSampleId :

RB-20-(5-7)

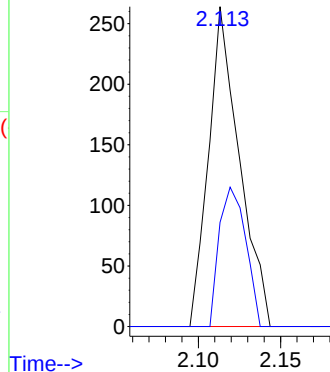
Tgt Ion: 50 Resp: 344

Ion Ratio Lower Upper

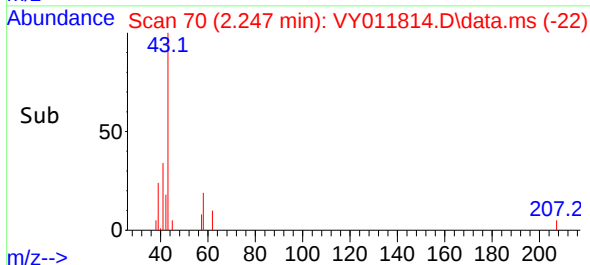
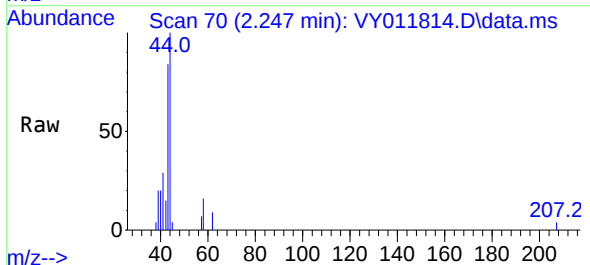
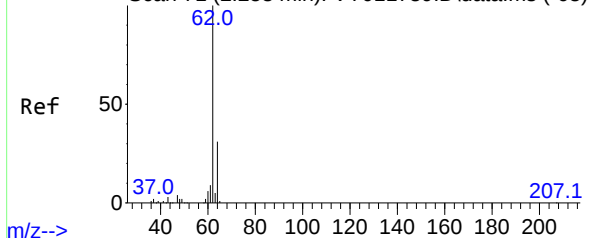
50 100

52 32.6 26.8 40.2

Abundance



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



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.247 min Scan# 70

Delta R.T. -0.006 min

Lab File: VY011814.D

Acq: 14 Dec 2022 00:29

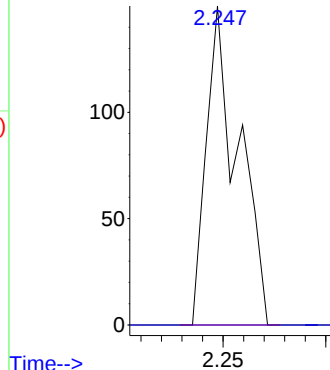
Tgt Ion: 62 Resp: 162

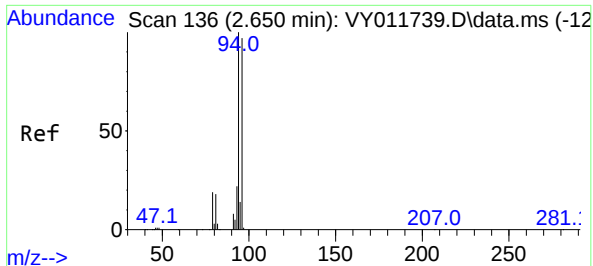
Ion Ratio Lower Upper

62 100

64 0.0 25.0 37.6#

Abundance

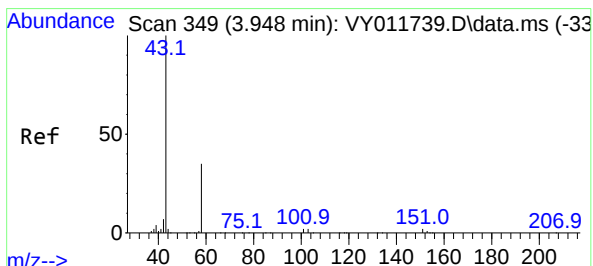
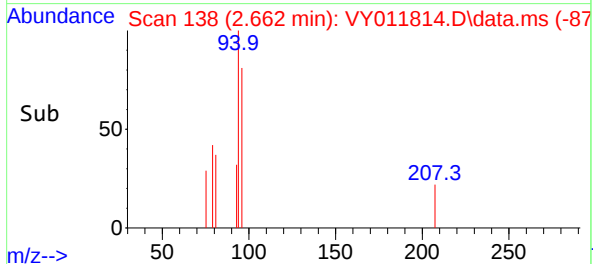
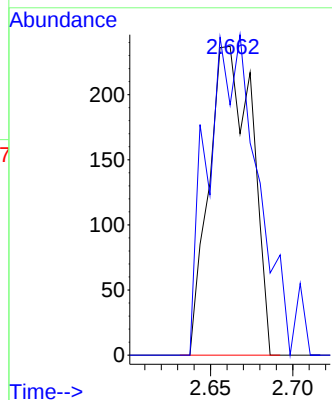
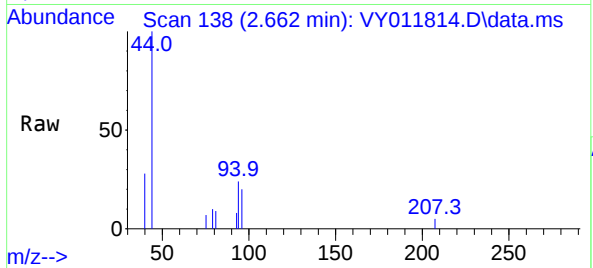




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011814.D
Acq: 14 Dec 2022 00:29

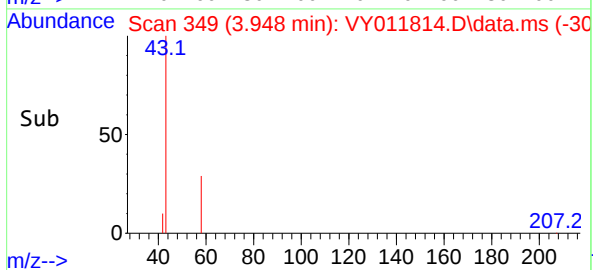
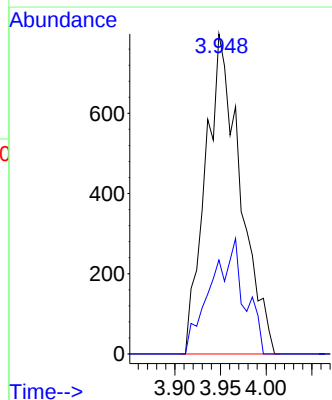
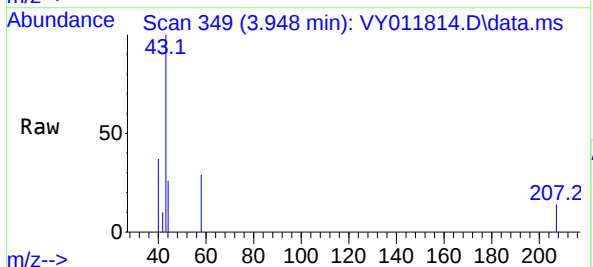
Instrument :
MSVOA_Y
ClientSampleId :
RB-20-(5-7)

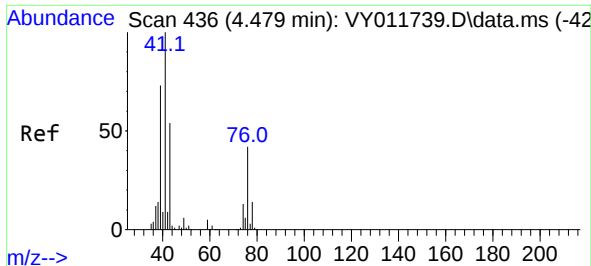
Tgt Ion: 94 Resp: 431
Ion Ratio Lower Upper
94 100
96 81.0 77.4 116.2



#16
Acetone
Concen: 2.616 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY011814.D
Acq: 14 Dec 2022 00:29

Tgt Ion: 43 Resp: 2109
Ion Ratio Lower Upper
43 100
58 29.3 27.9 41.9

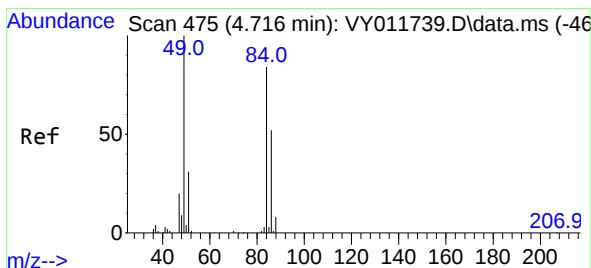
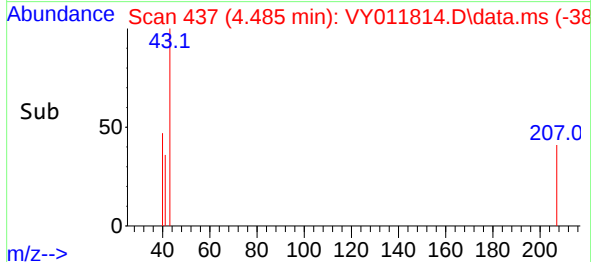
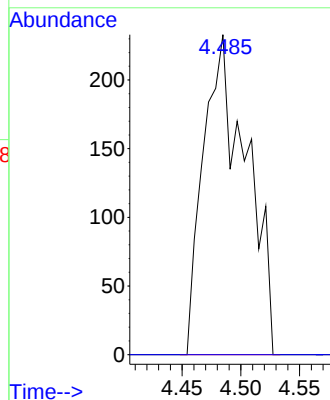
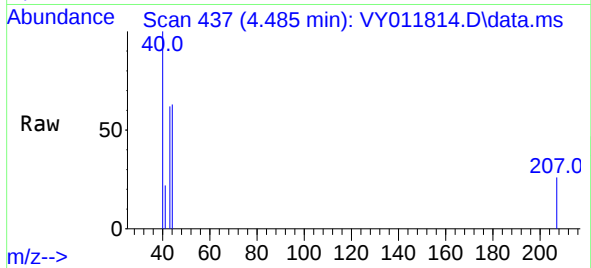




#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011814.D
Acq: 14 Dec 2022 00:29

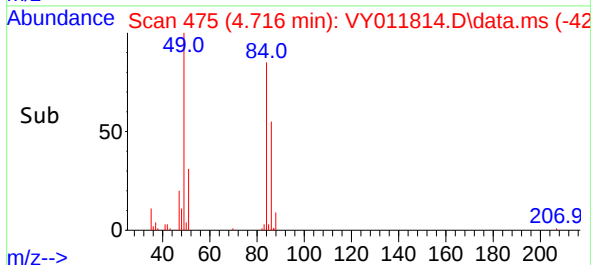
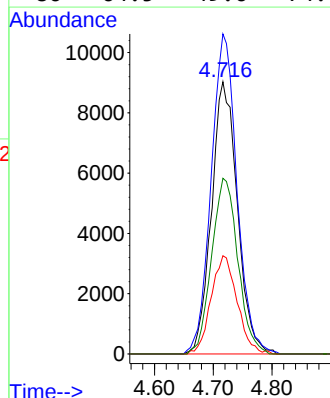
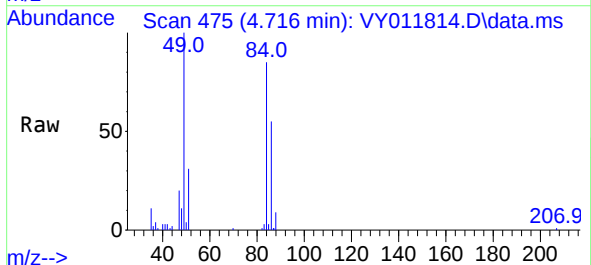
Instrument :
MSVOA_Y
ClientSampleId :
RB-20-(5-7)

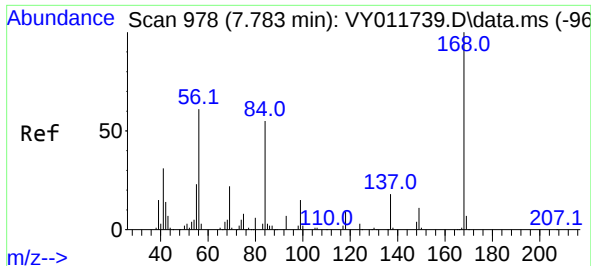
Tgt Ion: 43 Resp: 593
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: 4.262 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011814.D
Acq: 14 Dec 2022 00:29

Tgt Ion: 84 Resp: 27650
Ion Ratio Lower Upper
84 100
49 117.5 95.4 143.2
51 36.1 29.9 44.9
86 64.5 49.6 74.4

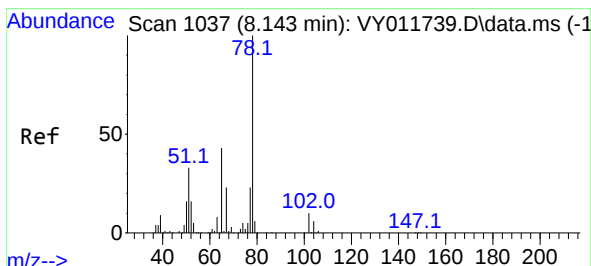
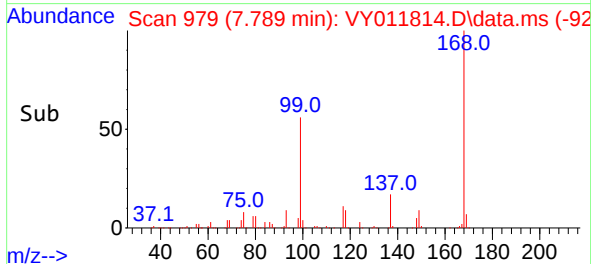
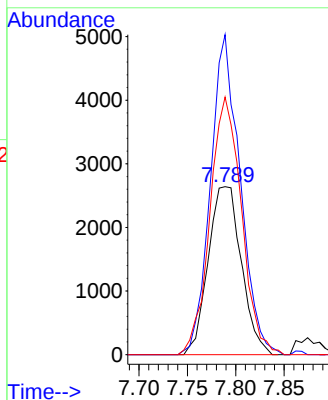
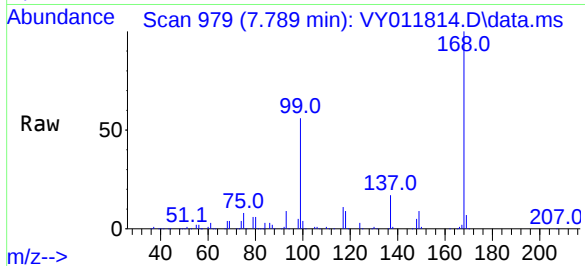




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011814.D
Acq: 14 Dec 2022 00:29

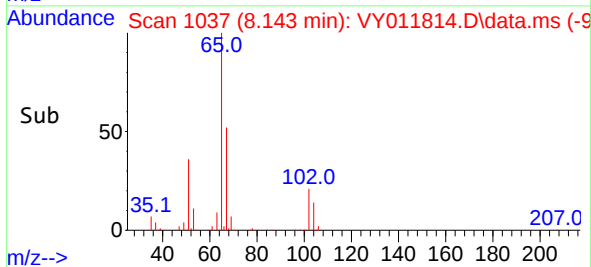
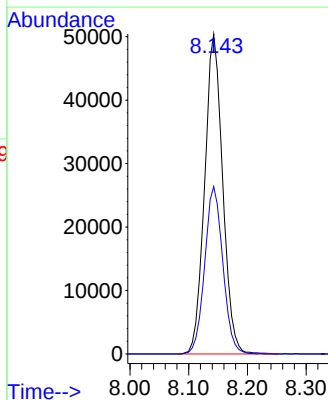
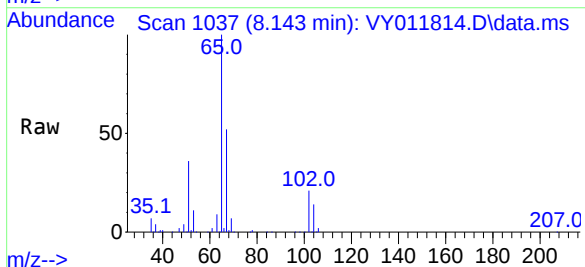
Instrument :
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ClientSampleId :
RB-20-(5-7)

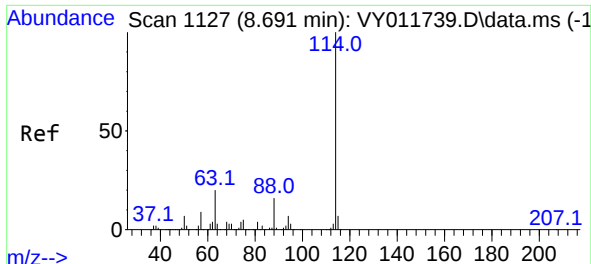
Tgt Ion: 56 Resp: 6297
Ion Ratio Lower Upper
56 100
69 190.5 29.2 43.8#
84 153.3 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 53.796 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011814.D
Acq: 14 Dec 2022 00:29

Tgt Ion: 65 Resp: 107636
Ion Ratio Lower Upper
65 100
67 52.5 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: VY011814.D

Acq: 14 Dec 2022 00:29

Instrument :

MSVOA_Y

ClientSampleId :

RB-20-(5-7)

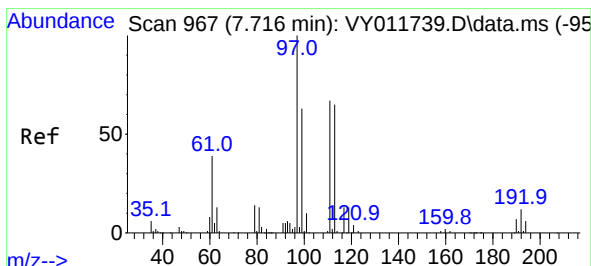
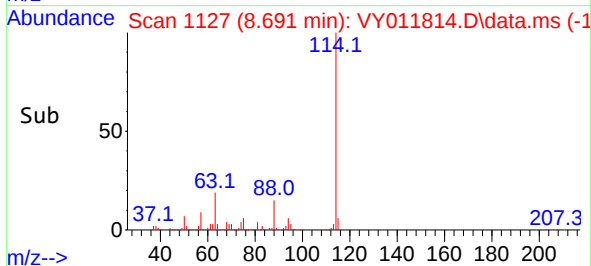
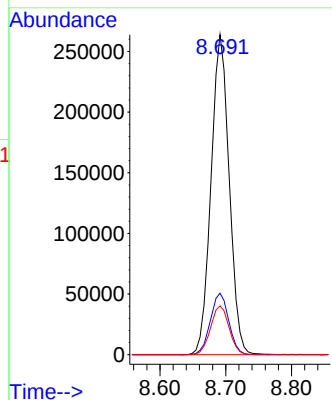
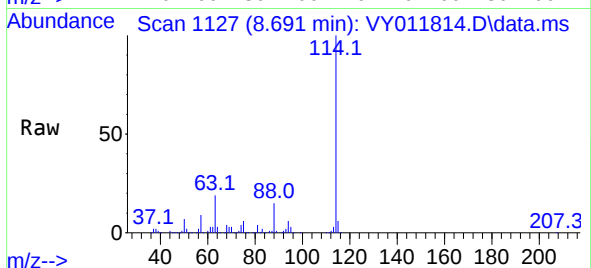
Tgt Ion:114 Resp: 506959

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 15.2 0.0 32.2



#35

Dibromofluoromethane

Concen: 49.254 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011814.D

Acq: 14 Dec 2022 00:29

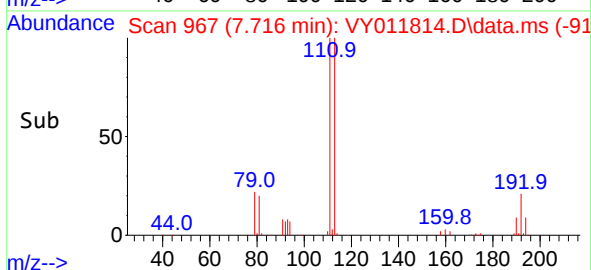
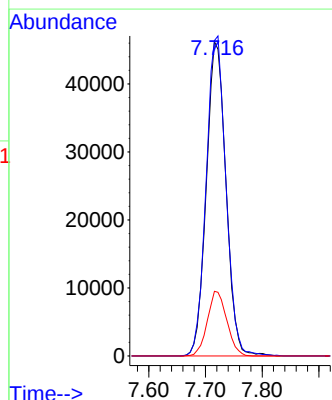
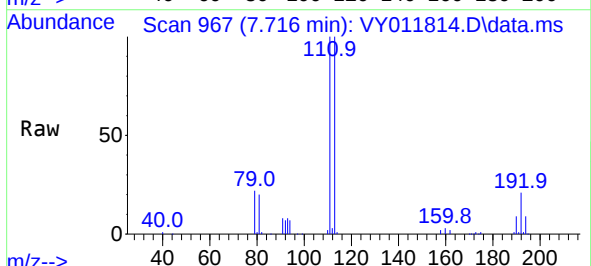
Tgt Ion:113 Resp: 111070

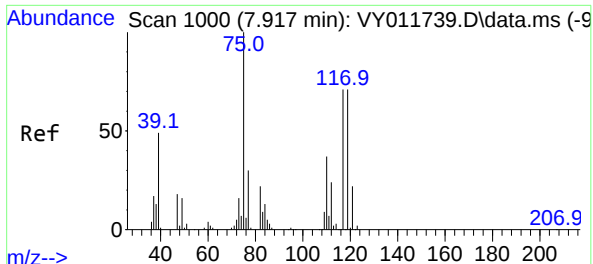
Ion Ratio Lower Upper

113 100

111 102.5 83.0 124.4

192 20.4 16.0 24.0

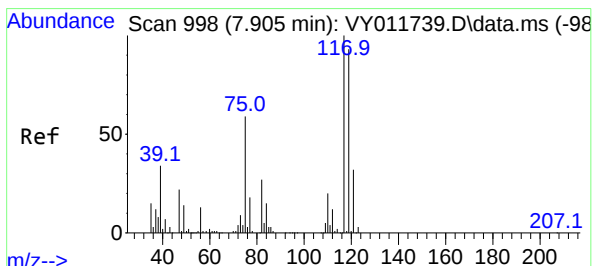
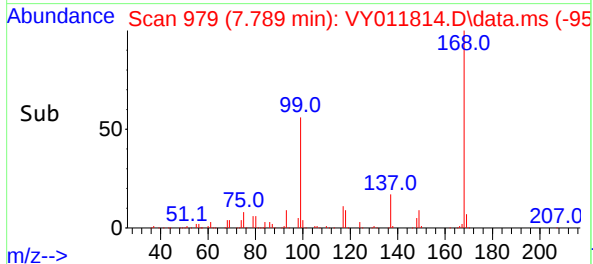
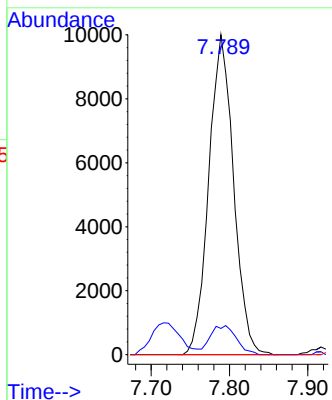
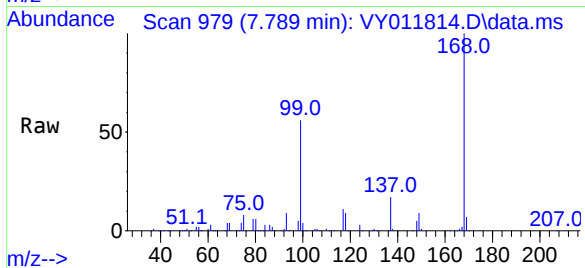




#36
1,1-Dichloropropene
Concen: 5.711 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY011814.D
Acq: 14 Dec 2022 00:29

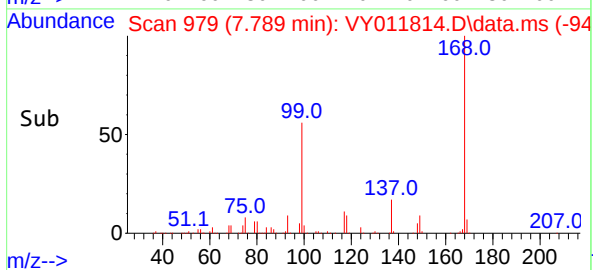
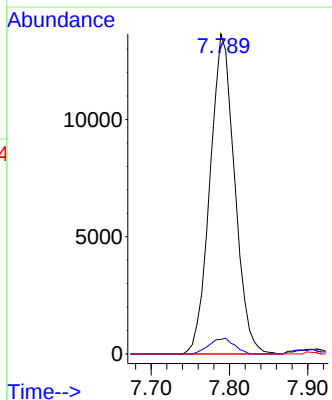
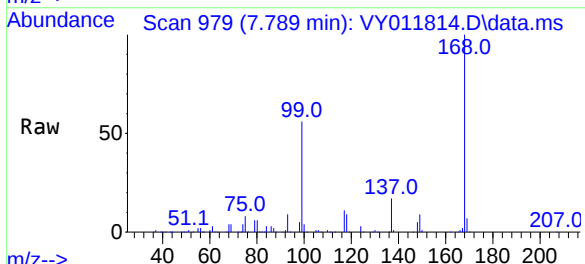
Instrument :
MSVOA_Y
ClientSampleId :
RB-20-(5-7)

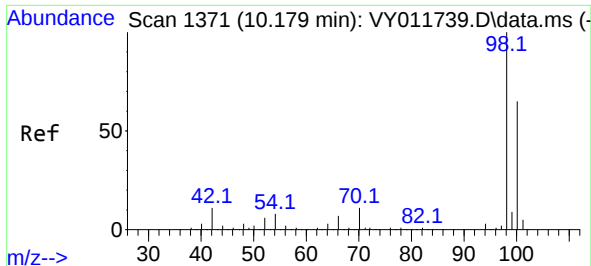
Tgt Ion:	75	Resp:	21971
Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.1	54.1#
77	0.0	25.1	37.7#



#38
Carbon Tetrachloride
Concen: 6.604 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY011814.D
Acq: 14 Dec 2022 00:29

Tgt Ion:	117	Resp:	29843
Ion	Ratio	Lower	Upper
117	100		
119	4.5	73.8	110.8#
121	0.0	25.2	37.8#

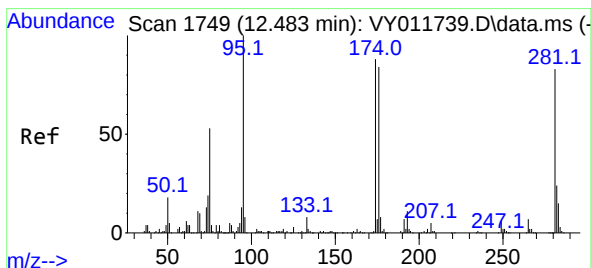
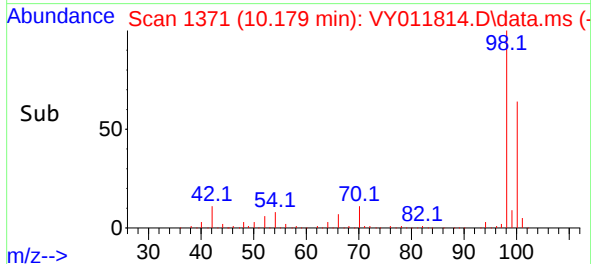
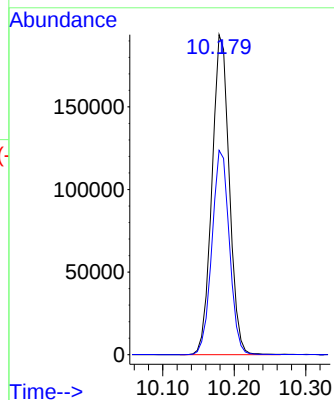
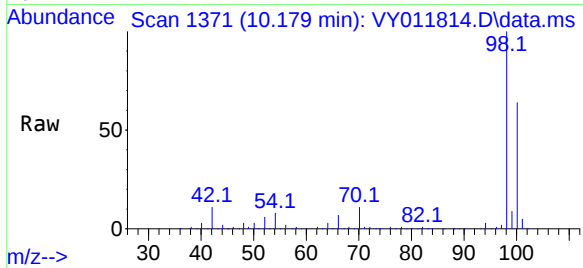




#50
Toluene-d8
Concen: 43.170 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011814.D
Acq: 14 Dec 2022 00:29

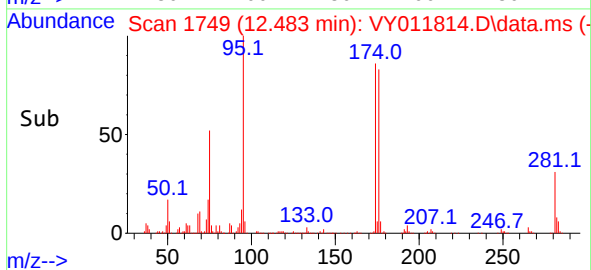
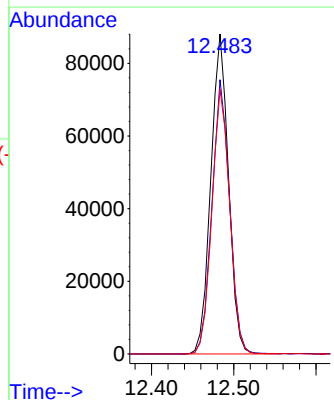
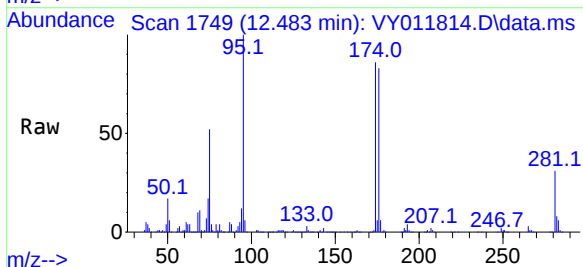
Instrument :
MSVOA_Y
ClientSampleId :
RB-20-(5-7)

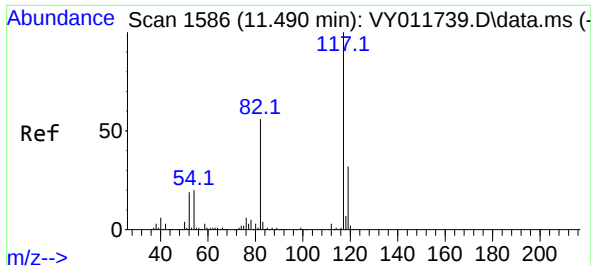
Tgt Ion: 98 Resp: 325495
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 44.252 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011814.D
Acq: 14 Dec 2022 00:29

Tgt Ion: 95 Resp: 131610
Ion Ratio Lower Upper
95 100
174 85.5 0.0 172.0
176 83.5 0.0 167.6

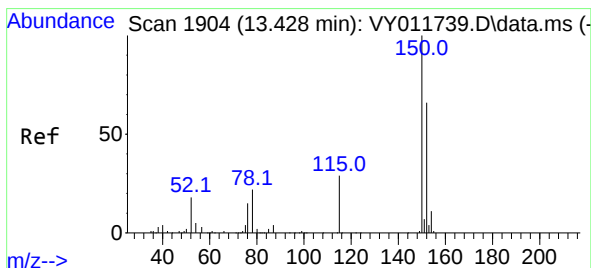
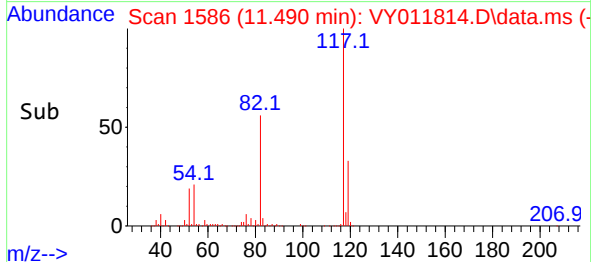
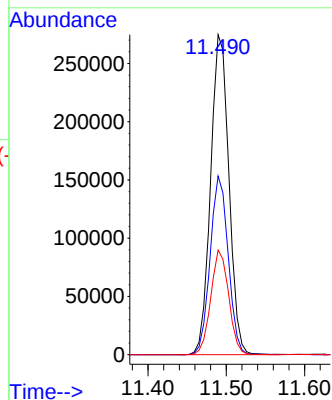
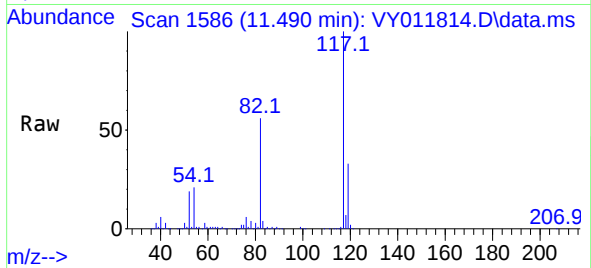




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011814.D
Acq: 14 Dec 2022 00:29

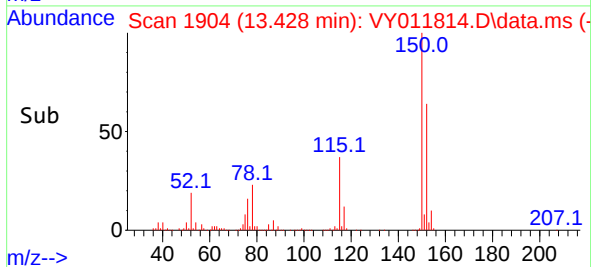
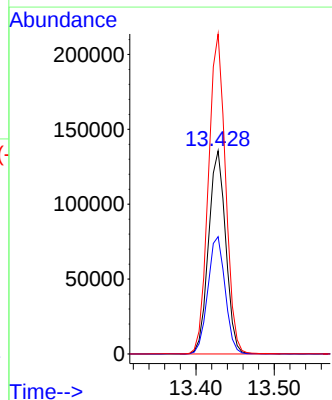
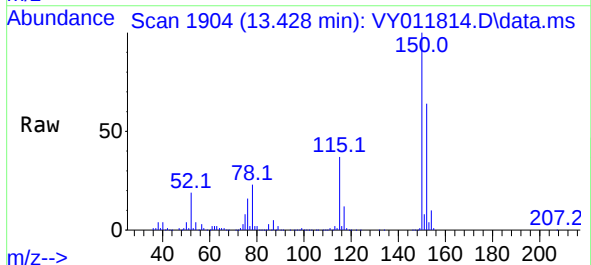
Instrument :
MSVOA_Y
ClientSampleId :
RB-20-(5-7)

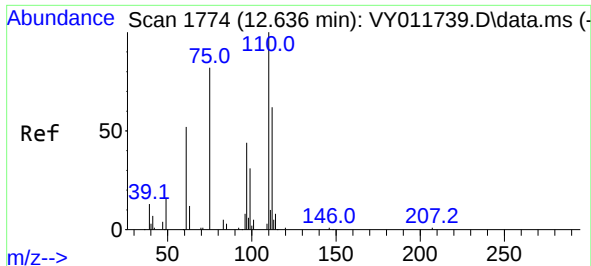
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.8	67.2
119	32.7	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011814.D
Acq: 14 Dec 2022 00:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.1	87.3
150	157.2	0.0	342.6

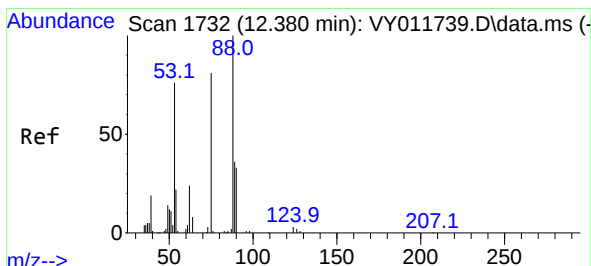
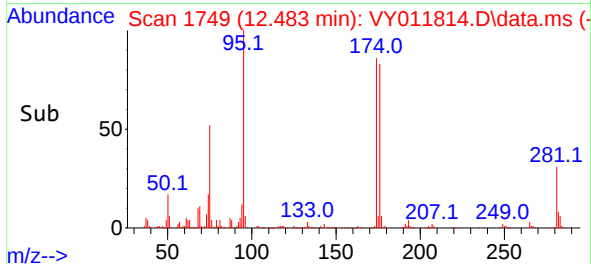
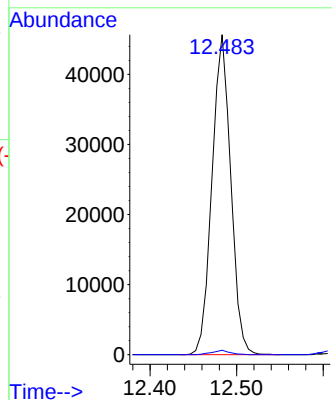
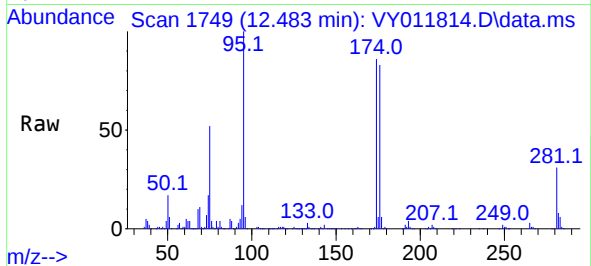




#76
1,2,3-Trichloropropane
Concen: 32.949 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011814.D
Acq: 14 Dec 2022 00:29

Instrument :
MSVOA_Y
ClientSampleId :
RB-20-(5-7)

Tgt Ion: 75 Resp: 68667
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.768 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011814.D
Acq: 14 Dec 2022 00:29

Tgt Ion: 75 Resp: 68667
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.6 37.0 55.4#

