

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011819.D
 Acq On : 14 Dec 2022 02:22
 Operator : KP/MD
 Sample : N6037-13
 Misc : 4.60g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-23-(8-10)

Quant Time: Dec 14 05:37:57 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)

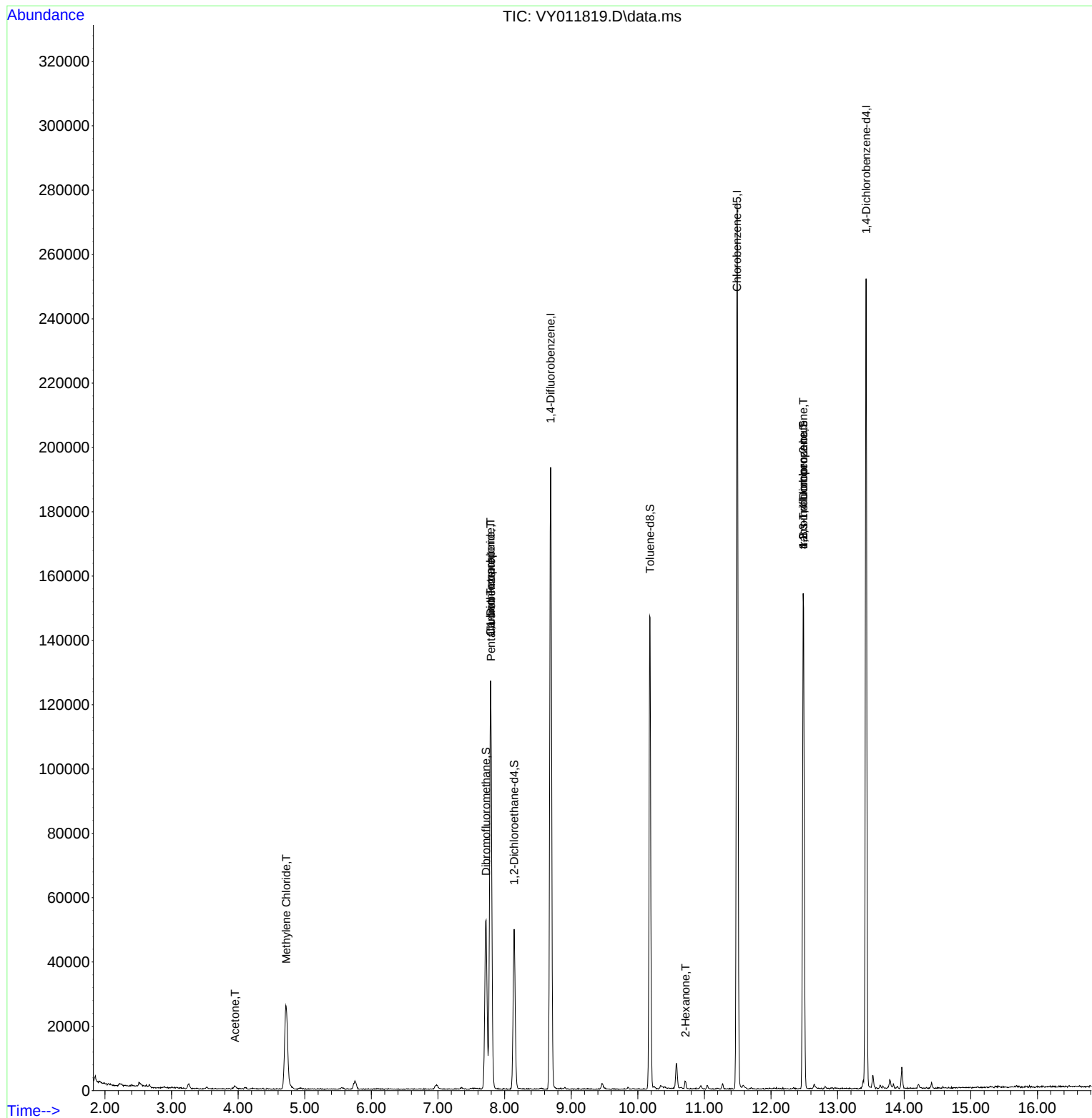
Internal Standards						
1) Pentafluorobenzene	7.795	168	97933	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	170122	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	157168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	65079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	38283	58.058	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.120%			
35) Dibromofluoromethane	7.722	113	37841	50.070	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.140%			
50) Toluene-d8	10.185	98	97894	37.897	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 75.800%			
62) 4-Bromofluorobenzene	12.483	95	37350	36.648	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 73.300%			
Target Compounds						
2) Dichlorodifluoromethane	1.906	85	22	Below Cal	#	41
3) Chloromethane	2.119	50	108	Below Cal	#	41
5) Bromomethane	2.668	94	232	Below Cal		85
11) Tert butyl alcohol	4.942	59	348	Below Cal	#	74
16) Acetone	3.954	43	1705	6.376	ug/l	100
20) Methylene Chloride	4.722	84	20479	17.721	ug/l	95
31) Cyclohexane	7.789	56	1943	Below Cal	#	19
36) 1,1-Dichloropropene	7.789	75	7362	5.703	ug/l #	49
38) Carbon Tetrachloride	7.789	117	9592	6.325	ug/l #	18
59) 2-Hexanone	10.715	43	964	1.789	ug/l #	23
76) 1,2,3-Trichloropropane	12.483	75	19147	29.080	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	19147	65.988	ug/l #	13

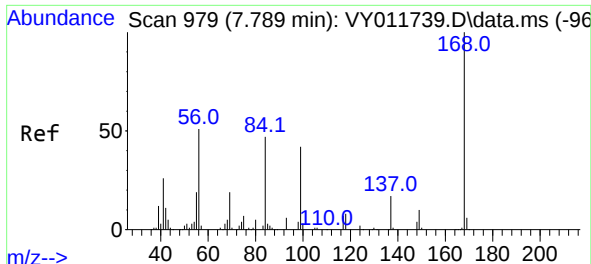
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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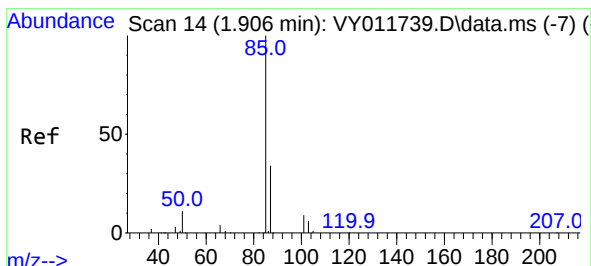
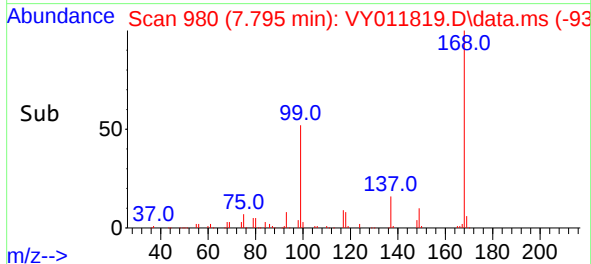
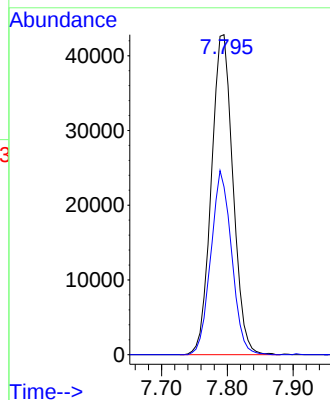
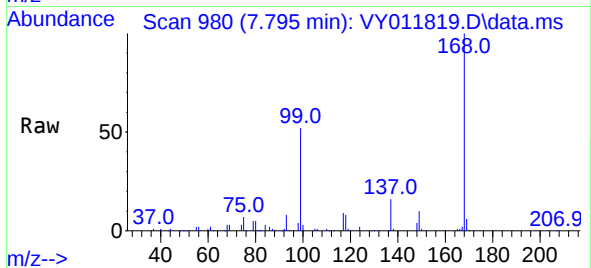




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011819.D
Acq: 14 Dec 2022 02:22

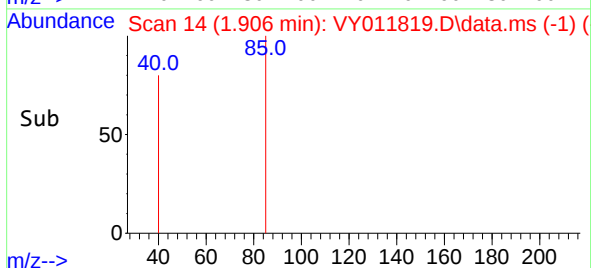
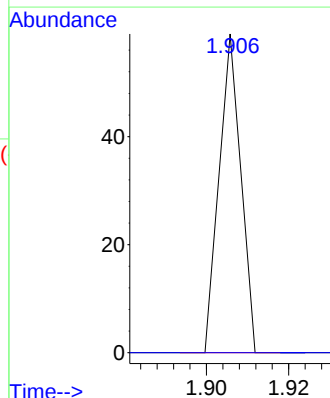
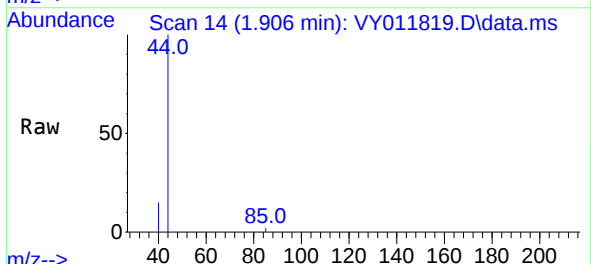
Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(8-10)

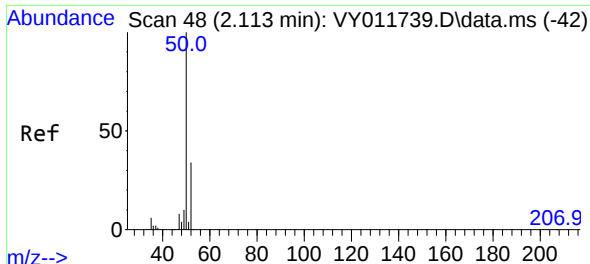
Tgt Ion:168 Resp: 97933
Ion Ratio Lower Upper
168 100
99 52.4 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011819.D
Acq: 14 Dec 2022 02:22

Tgt Ion: 85 Resp: 22
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

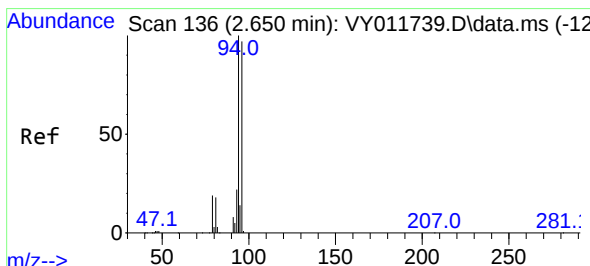
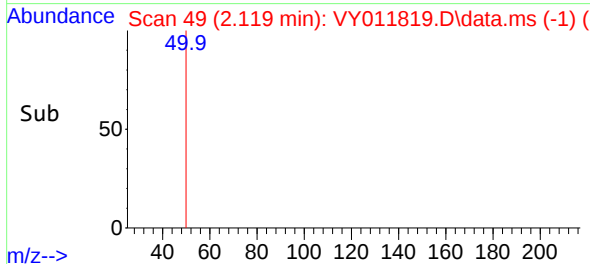
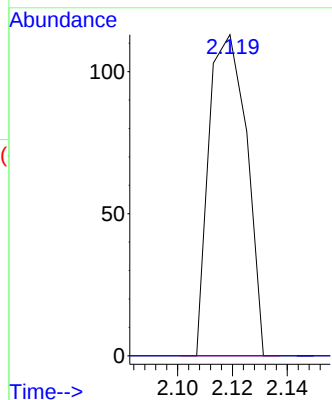
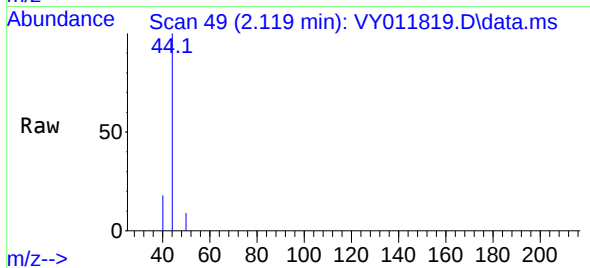




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011819.D
Acq: 14 Dec 2022 02:22

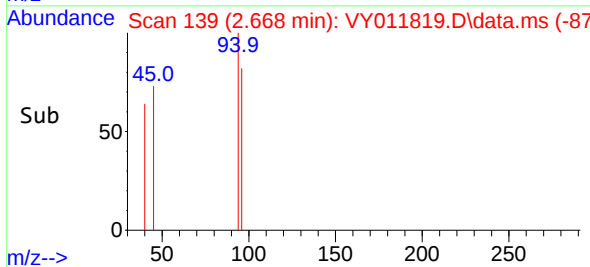
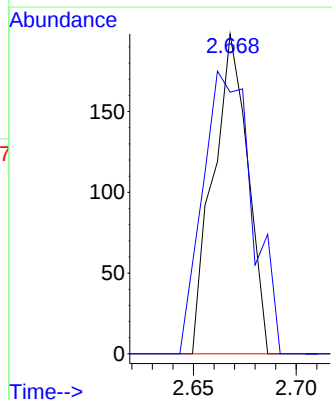
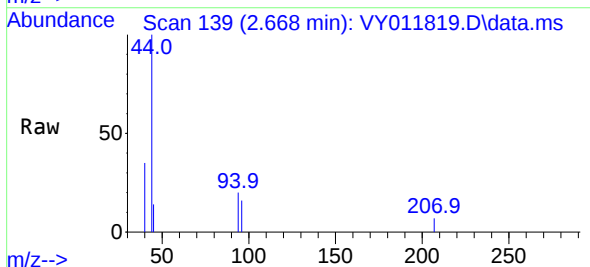
Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(8-10)

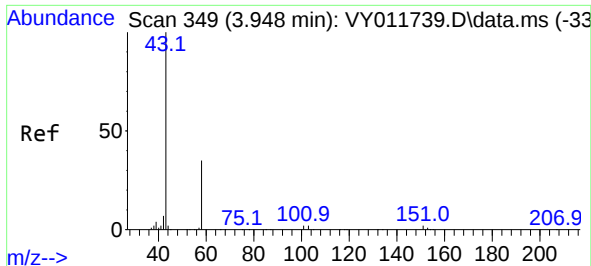
Tgt Ion: 50 Resp: 108
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.018 min
Lab File: VY011819.D
Acq: 14 Dec 2022 02:22

Tgt Ion: 94 Resp: 232
Ion Ratio Lower Upper
94 100
96 81.8 77.4 116.2

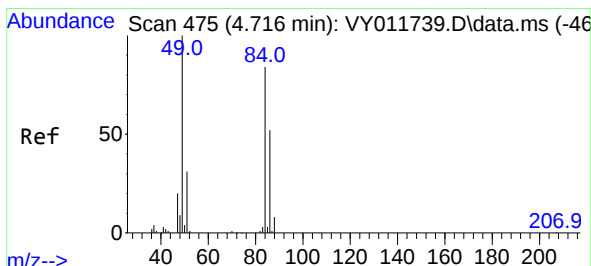
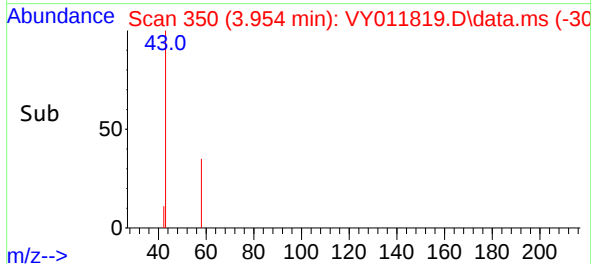
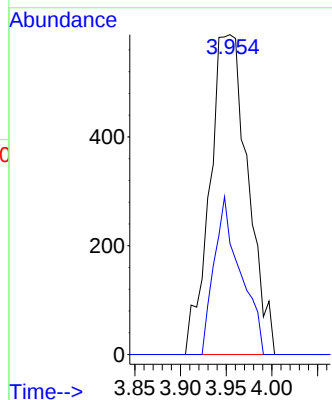
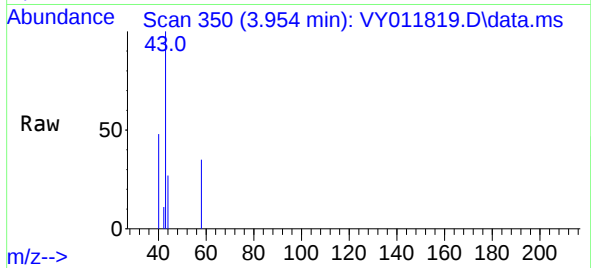




#16
Acetone
Concen: 6.376 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY011819.D
Acq: 14 Dec 2022 02:22

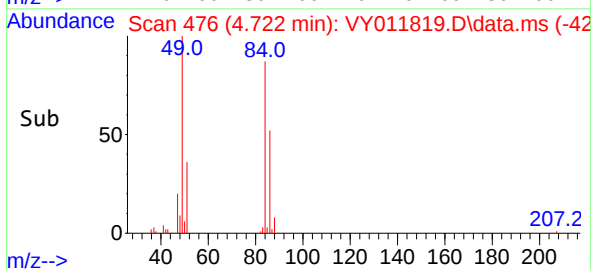
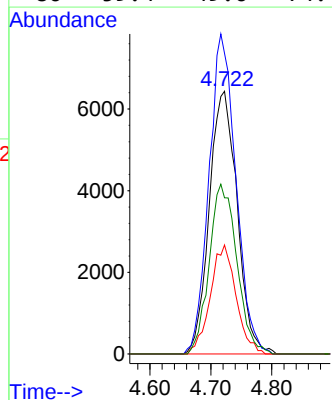
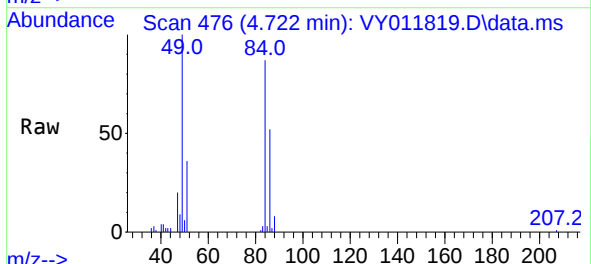
Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(8-10)

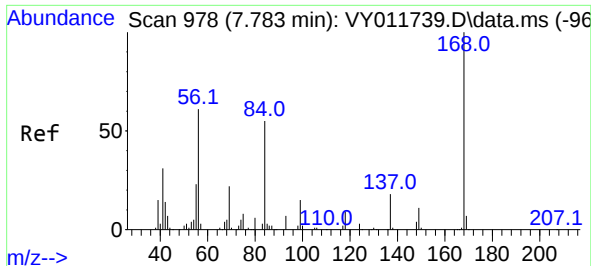
Tgt Ion: 43 Resp: 1705
Ion Ratio Lower Upper
43 100
58 34.7 27.9 41.9



#20
Methylene Chloride
Concen: 17.721 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY011819.D
Acq: 14 Dec 2022 02:22

Tgt Ion: 84 Resp: 20479
Ion Ratio Lower Upper
84 100
49 114.4 95.4 143.2
51 41.5 29.9 44.9
86 59.4 49.6 74.4

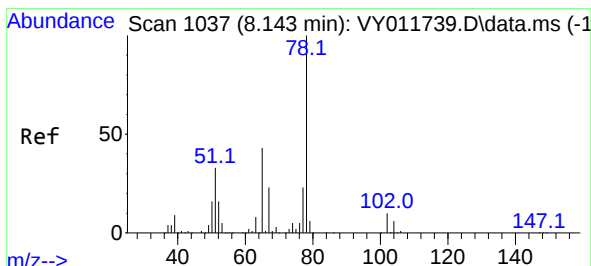
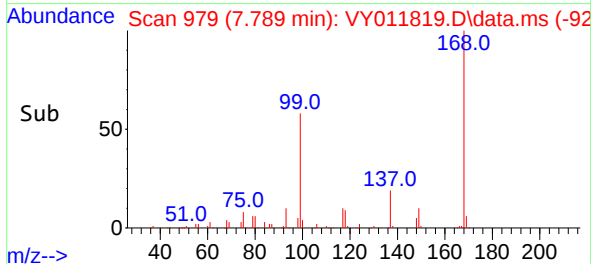
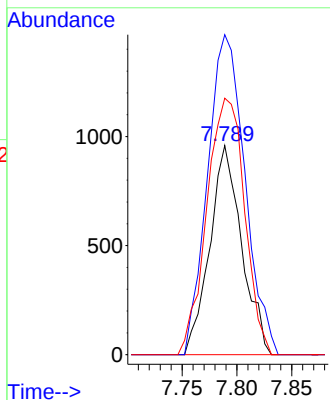
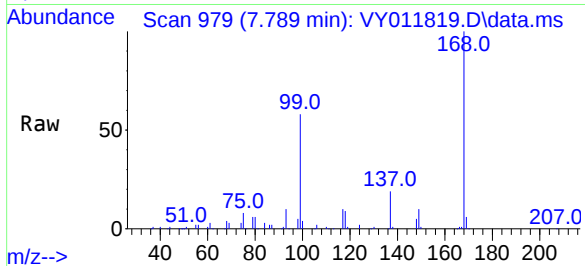




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011819.D
Acq: 14 Dec 2022 02:22

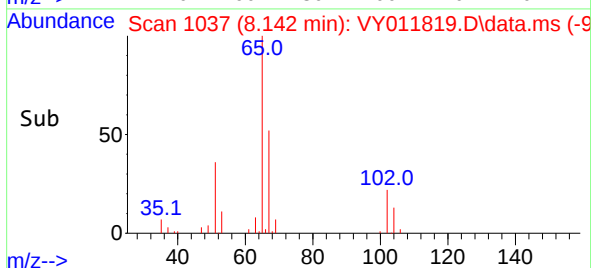
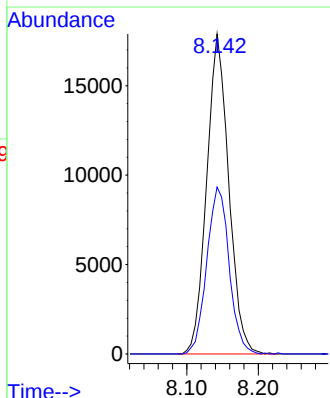
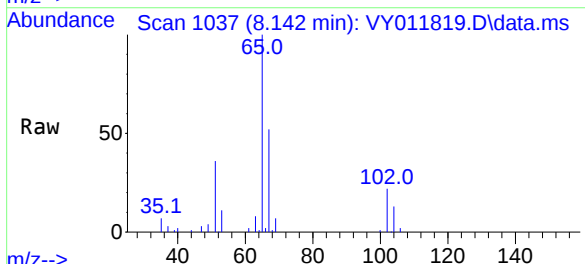
Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(8-10)

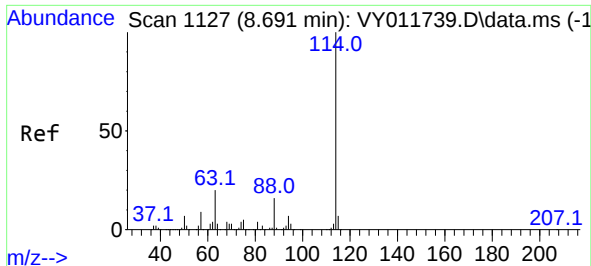
Tgt Ion: 56 Resp: 1943
Ion Ratio Lower Upper
56 100
69 153.0 29.2 43.8#
84 122.6 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 58.058 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011819.D
Acq: 14 Dec 2022 02:22

Tgt Ion: 65 Resp: 38283
Ion Ratio Lower Upper
65 100
67 52.9 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: VY011819.D

Acq: 14 Dec 2022 02:22

Instrument :

MSVOA_Y

ClientSampleId :

RB-23-(8-10)

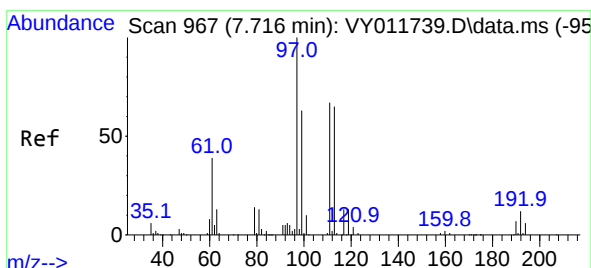
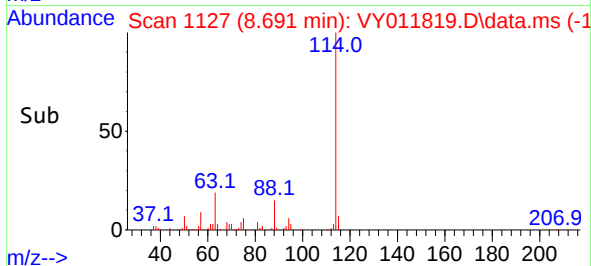
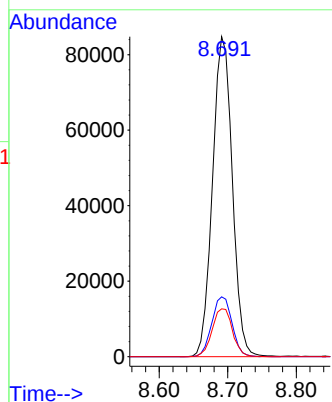
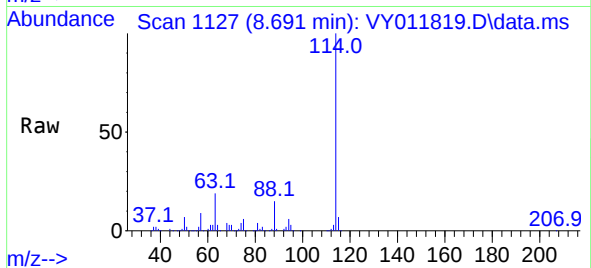
Tgt Ion:114 Resp: 170122

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.6

88 14.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 50.070 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY011819.D

Acq: 14 Dec 2022 02:22

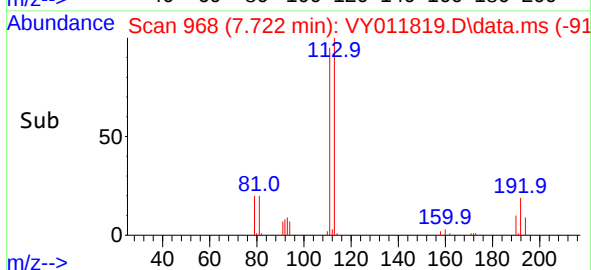
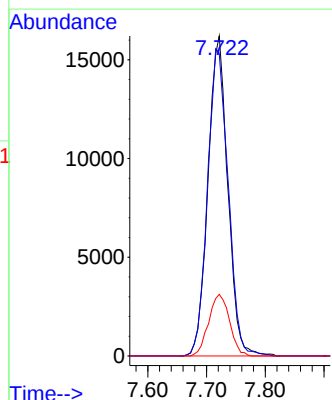
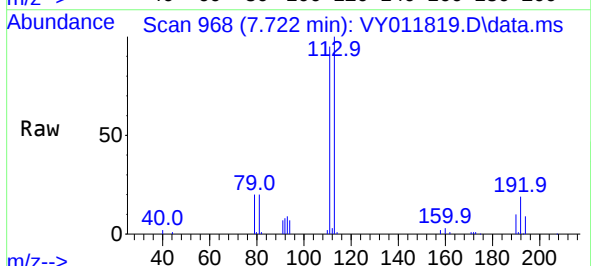
Tgt Ion:113 Resp: 37841

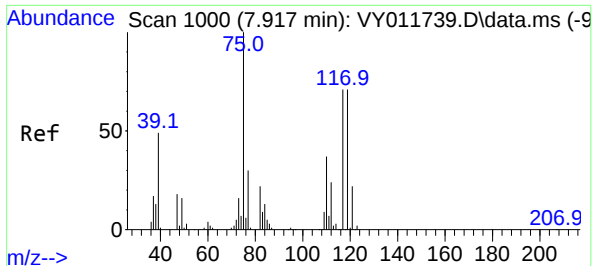
Ion Ratio Lower Upper

113 100

111 100.4 83.0 124.4

192 20.3 16.0 24.0





#36

1,1-Dichloropropene

Concen: 5.703 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011819.D

Acq: 14 Dec 2022 02:22

Instrument :

MSVOA_Y

ClientSampleId :

RB-23-(8-10)

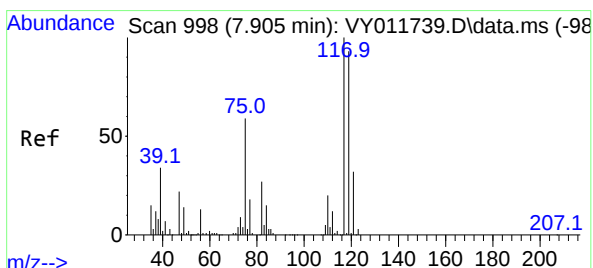
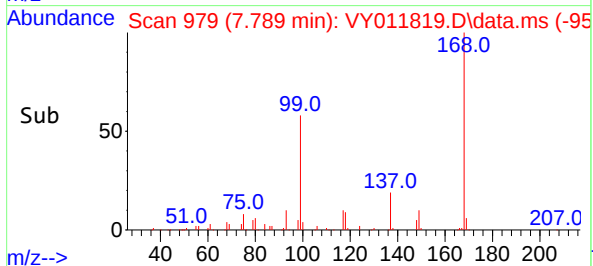
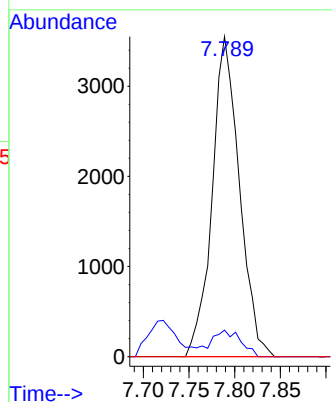
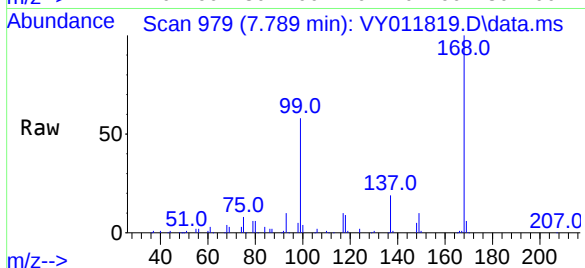
Tgt Ion: 75 Resp: 7362

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.325 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011819.D

Acq: 14 Dec 2022 02:22

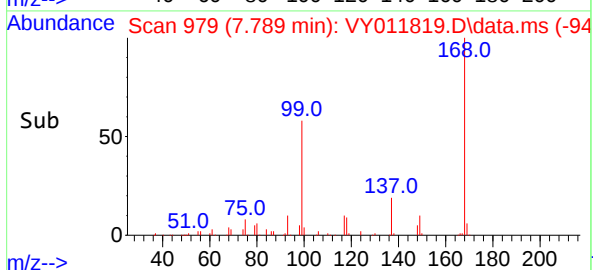
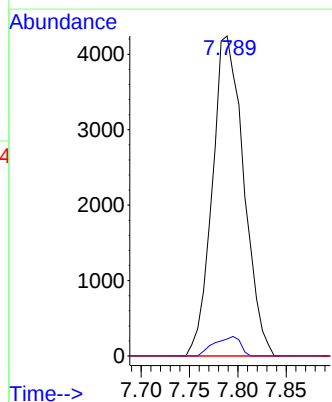
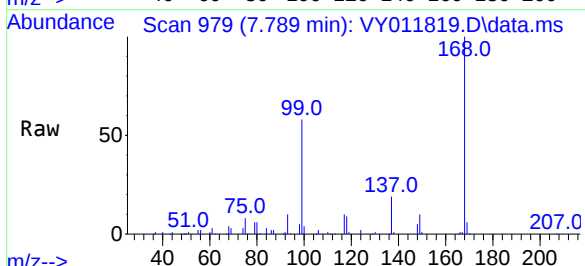
Tgt Ion: 117 Resp: 9592

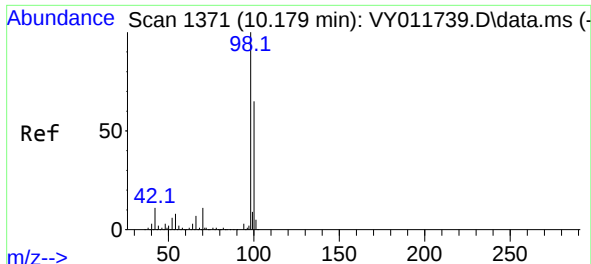
Ion Ratio Lower Upper

117 100

119 5.3 73.8 110.8#

121 0.0 25.2 37.8#

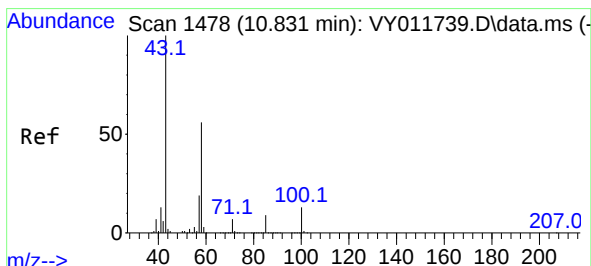
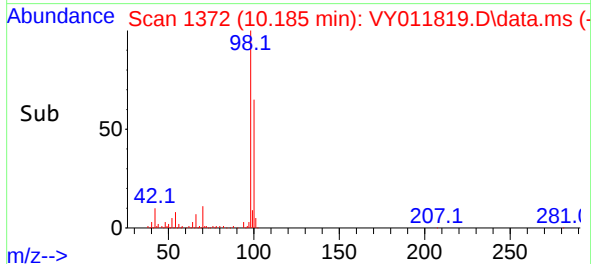
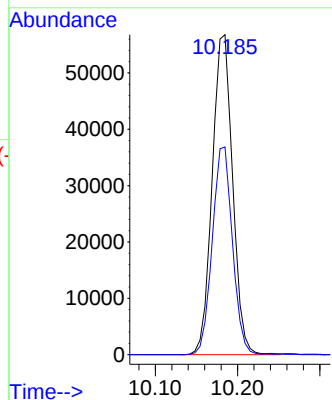
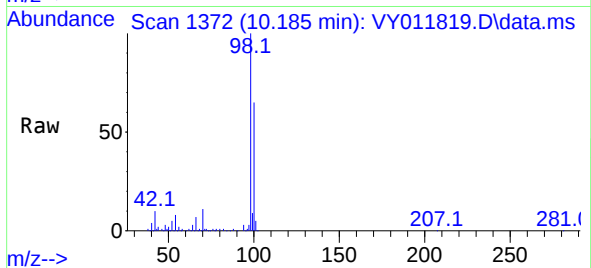




#50
Toluene-d8
Concen: 37.897 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011819.D
Acq: 14 Dec 2022 02:22

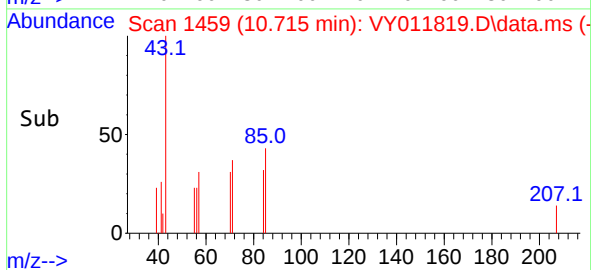
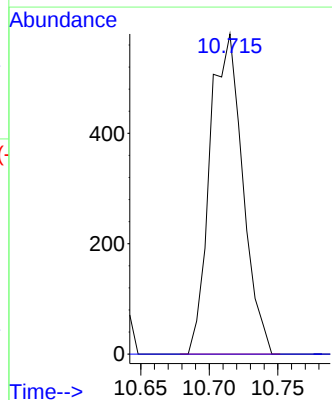
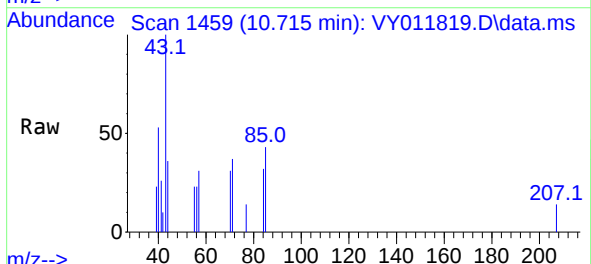
Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(8-10)

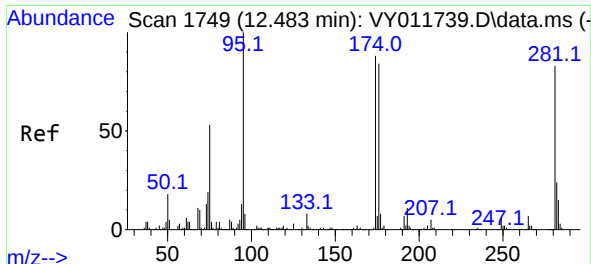
Tgt Ion: 98 Resp: 97894
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#59
2-Hexanone
Concen: 1.789 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. -0.116 min
Lab File: VY011819.D
Acq: 14 Dec 2022 02:22

Tgt Ion: 43 Resp: 964
Ion Ratio Lower Upper
43 100
58 0.0 28.4 85.2#

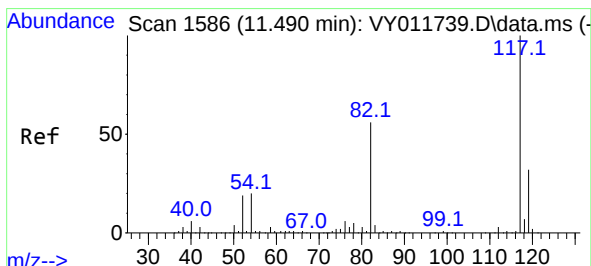
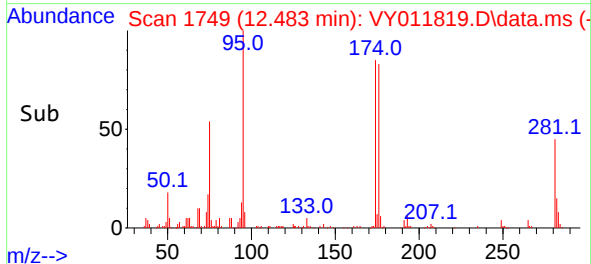
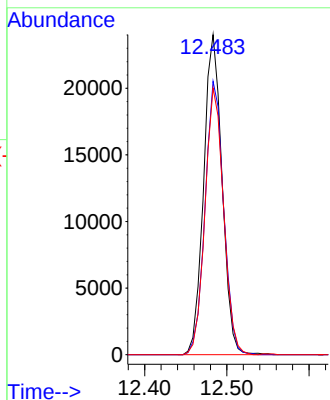
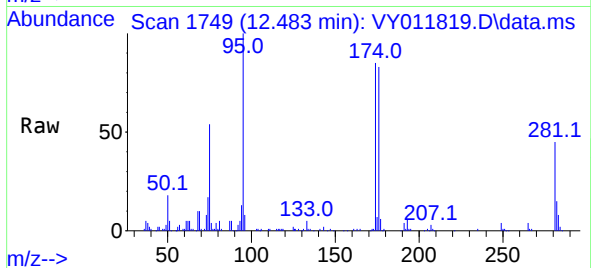




#62
4-Bromofluorobenzene
Concen: 36.648 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011819.D
Acq: 14 Dec 2022 02:22

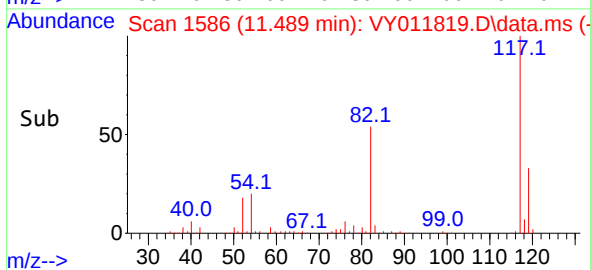
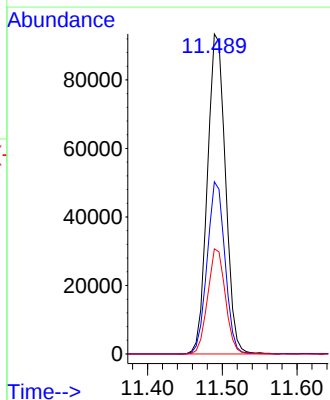
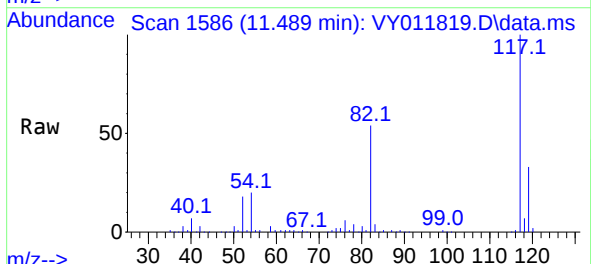
Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(8-10)

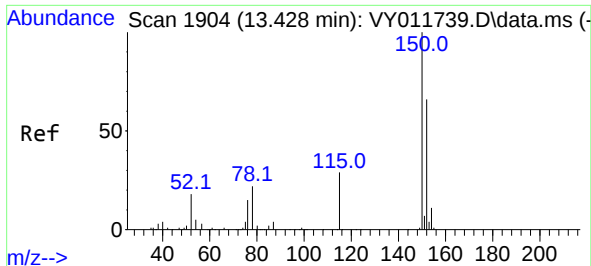
Tgt Ion: 95 Resp: 37350
Ion Ratio Lower Upper
95 100
174 85.7 0.0 172.0
176 84.1 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011819.D
Acq: 14 Dec 2022 02:22

Tgt Ion: 117 Resp: 157168
Ion Ratio Lower Upper
117 100
82 53.8 44.8 67.2
119 32.9 25.4 38.2

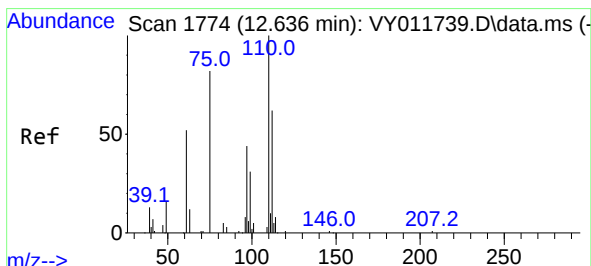
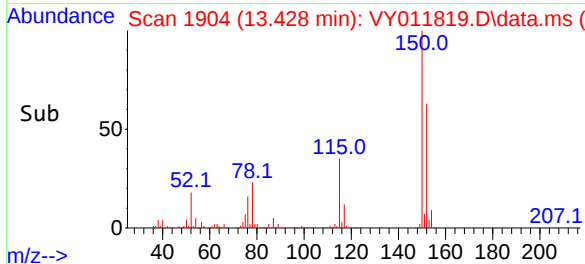
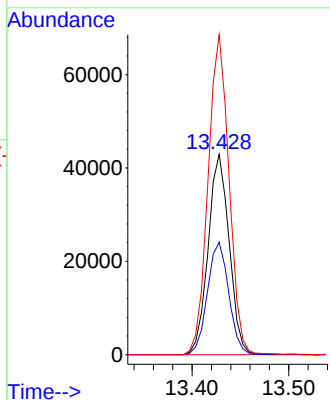
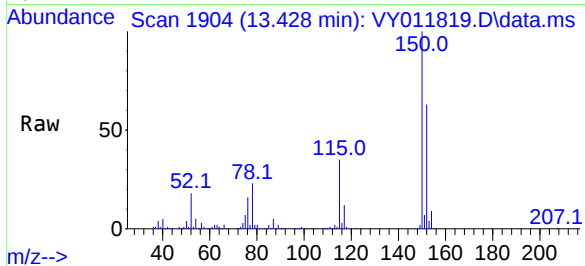




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011819.D
Acq: 14 Dec 2022 02:22

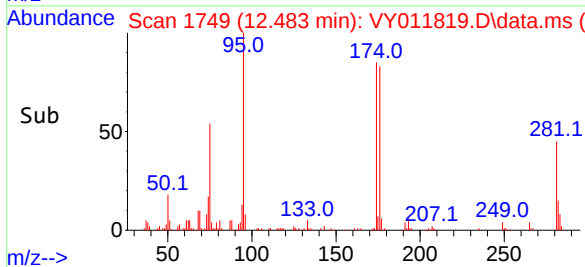
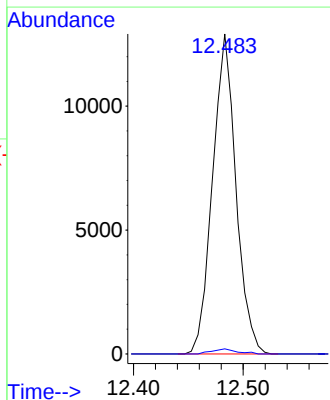
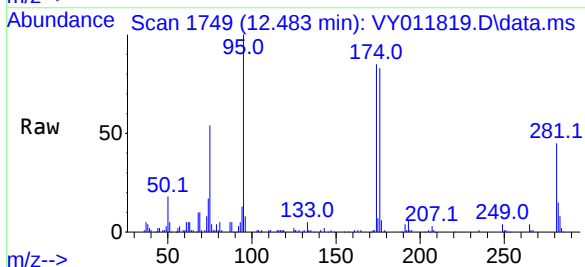
Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(8-10)

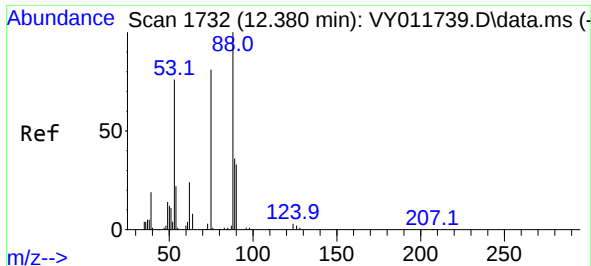
Tgt Ion:152 Resp: 65079
Ion Ratio Lower Upper
152 100
115 56.8 29.1 87.3
150 159.0 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 29.080 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011819.D
Acq: 14 Dec 2022 02:22

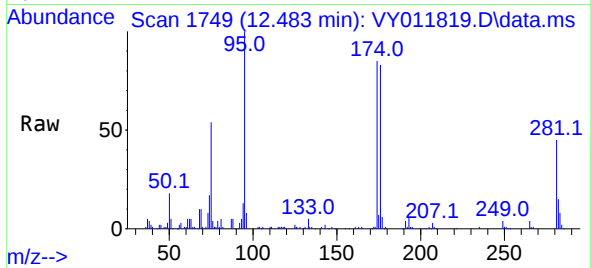
Tgt Ion: 75 Resp: 19147
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.988 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY011819.D
 Acq: 14 Dec 2022 02:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-23-(8-10)



Tgt Ion: 75 Resp: 19147
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.7 37.0 55.4#

