

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011801.D
 Acq On : 13 Dec 2022 18:04
 Operator : KP/MD
 Sample : N6037-01
 Misc : 5.79g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-16-(2.5-4.5)

Quant Time: Dec 13 22:19:21 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)

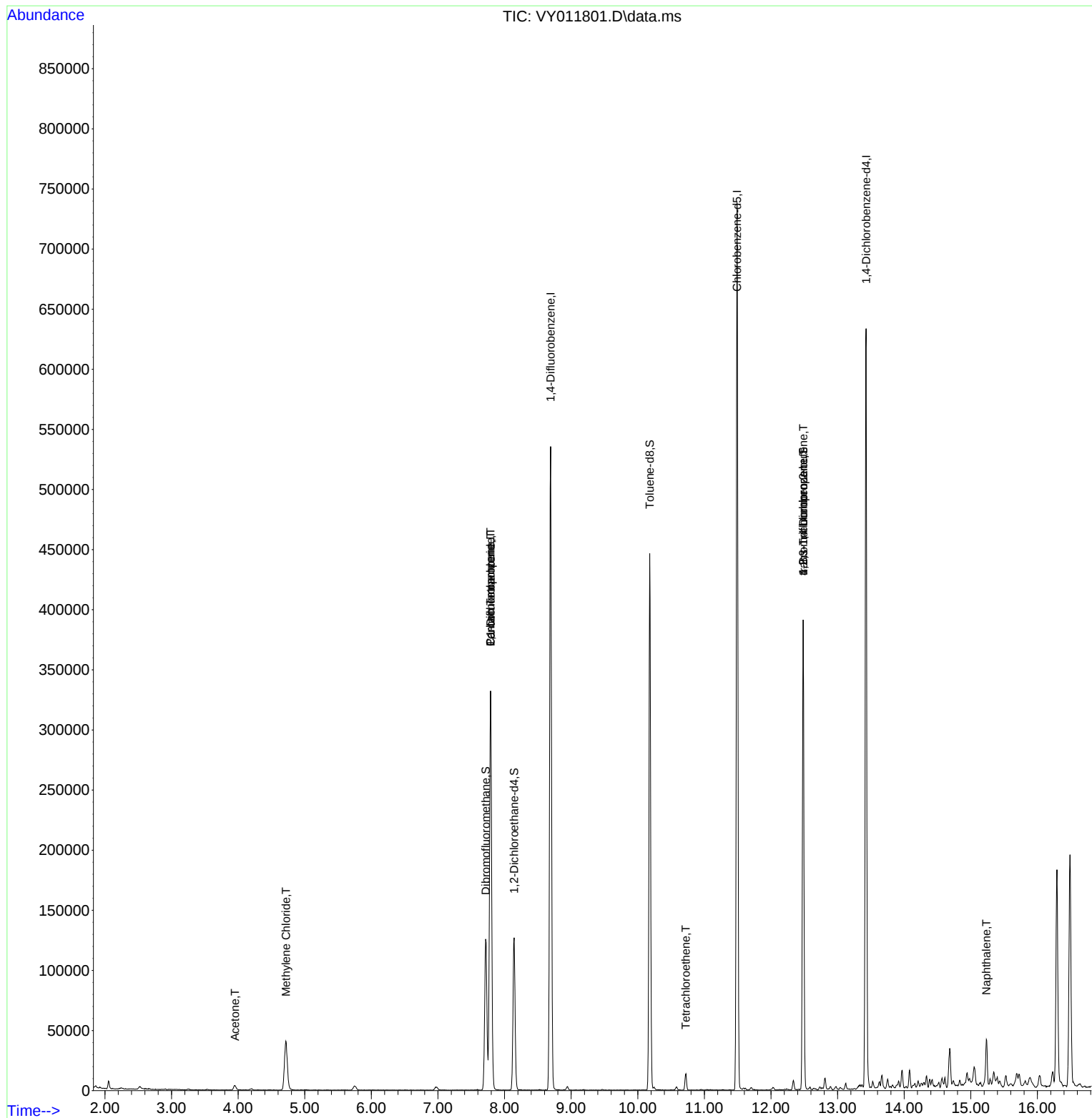
Internal Standards						
1) Pentafluorobenzene	7.789	168	255913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	451906	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	394976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	165563	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	98028	56.785	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.560%
35) Dibromofluoromethane	7.716	113	88170	43.401	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.800%
50) Toluene-d8	10.179	98	291711	43.444	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	86.880%
62) 4-Bromofluorobenzene	12.483	95	111109	41.644	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	83.280%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	85	Below Cal	#	41
3) Chloromethane	2.107	50	161	Below Cal	#	41
5) Bromomethane	2.656	94	96	Below Cal	#	68
11) Tert butyl alcohol	4.942	59	237	Below Cal	#	74
16) Acetone	3.954	43	6820	9.760	ug/l	97
18) Methyl Acetate	4.491	43	22	Below Cal	#	50
20) Methylene Chloride	4.716	84	31006	7.467	ug/l	97
31) Cyclohexane	7.783	56	5066	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	18483	5.390	ug/l #	49
38) Carbon Tetrachloride	7.789	117	25539	6.340	ug/l #	18
64) Tetrachloroethene	10.721	164	2954	1.057	ug/l	94
76) 1,2,3-Trichloropropane	12.483	75	59063	35.260	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	59063	80.012	ug/l #	13
95) Naphthalene	15.233	128	32520	6.347	ug/l	97

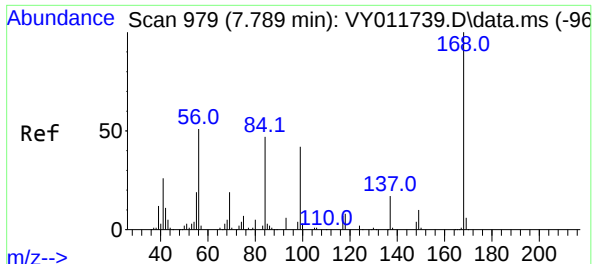
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
Data File : VY011801.D
Acq On : 13 Dec 2022 18:04
Operator : KP/MD
Sample : N6037-01
Misc : 5.79g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RB-16-(2.5-4.5)

Quant Time: Dec 13 22:19:21 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

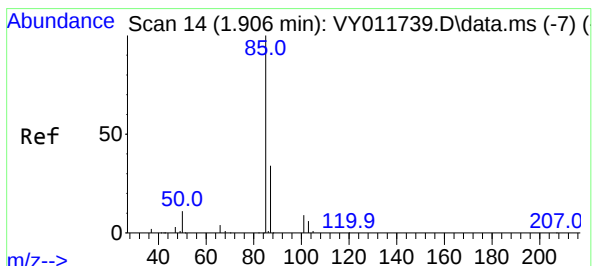
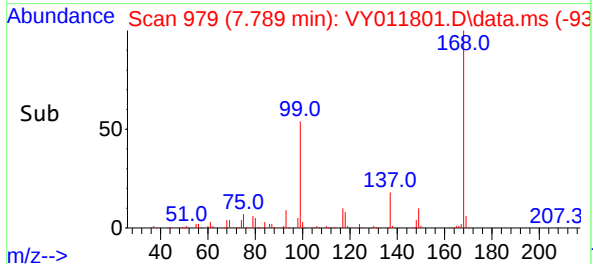
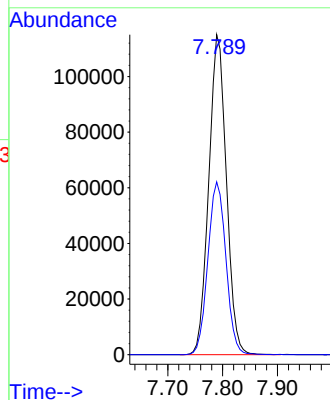
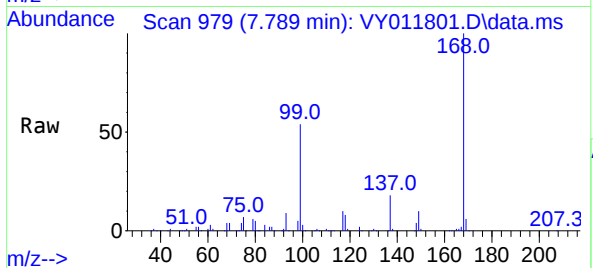




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011801.D
Acq: 13 Dec 2022 18:04

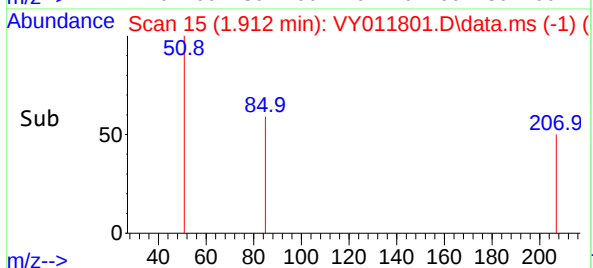
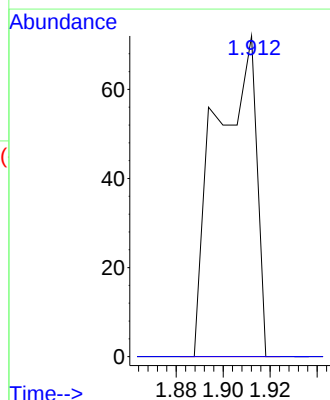
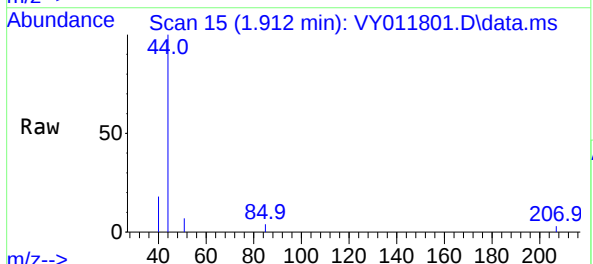
Instrument :
MSVOA_Y
ClientSampleId :
RB-16-(2.5-4.5)

Tgt Ion:168 Resp: 255913
Ion Ratio Lower Upper
168 100
99 54.0 44.0 66.0

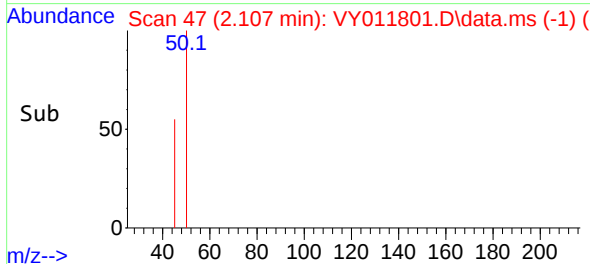
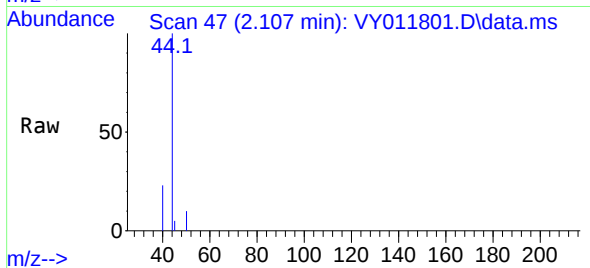
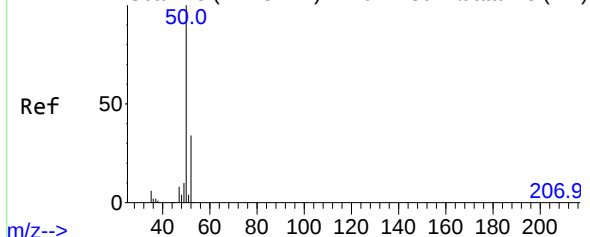


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY011801.D
Acq: 13 Dec 2022 18:04

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



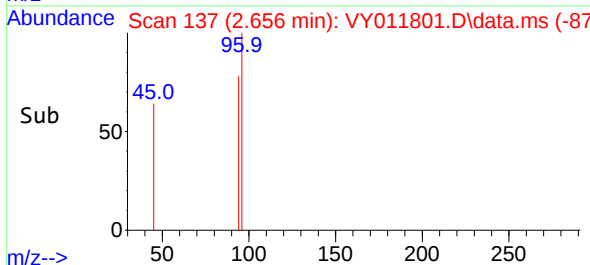
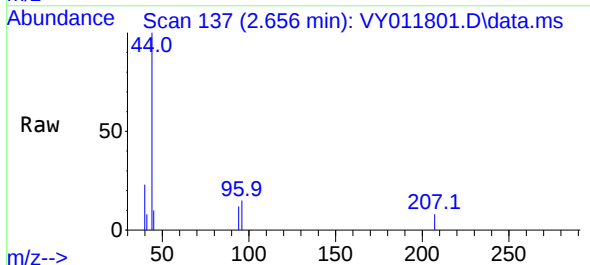
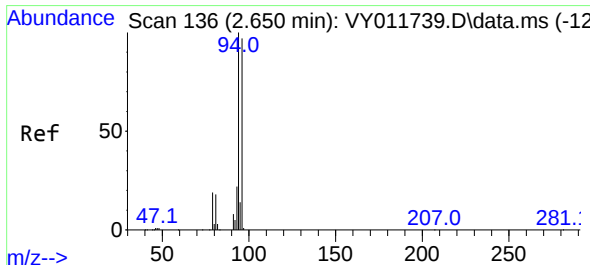
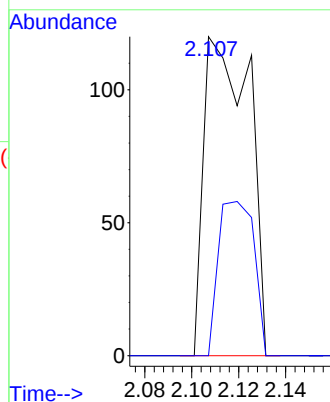
Abundance Scan 48 (2.113 min): VY011739.D\data.ms (-42)



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011801.D
Acq: 13 Dec 2022 18:04

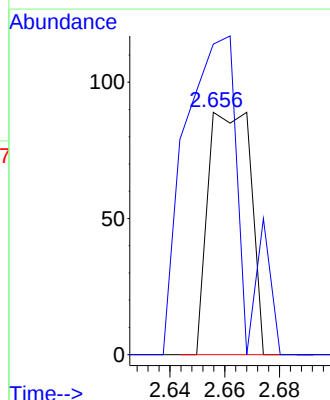
Instrument :
MSVOA_Y
ClientSampleId :
RB-16-(2.5-4.5)

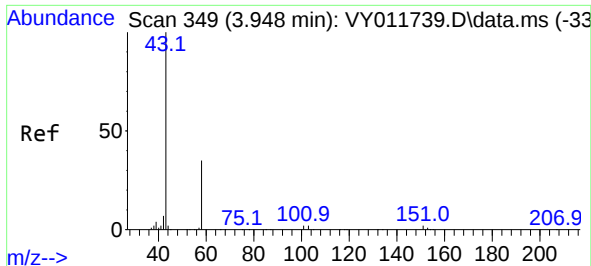
Tgt Ion: 50 Resp: 161
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. 0.006 min
Lab File: VY011801.D
Acq: 13 Dec 2022 18:04

Tgt Ion: 94 Resp: 96
Ion Ratio Lower Upper
94 100
96 128.1 77.4 116.2#

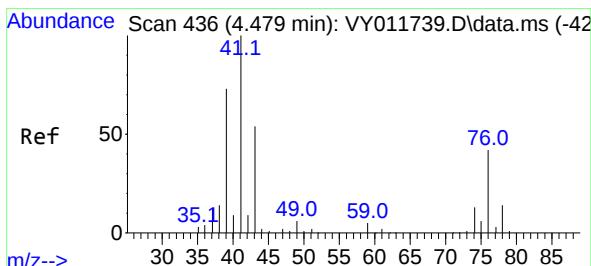
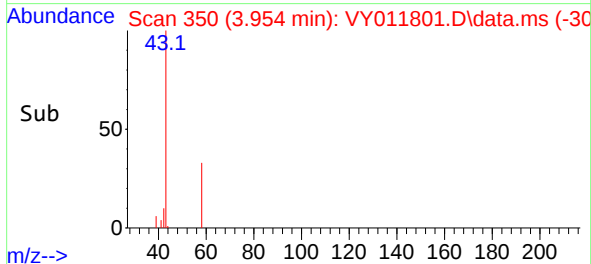
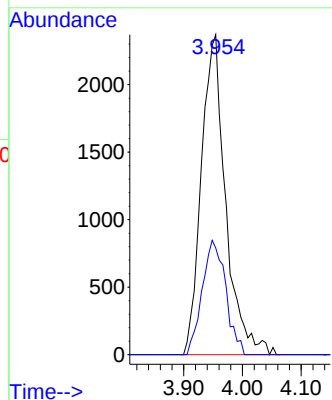
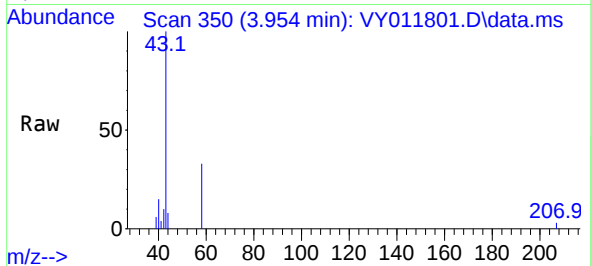




#16
Acetone
Concen: 9.760 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY011801.D
Acq: 13 Dec 2022 18:04

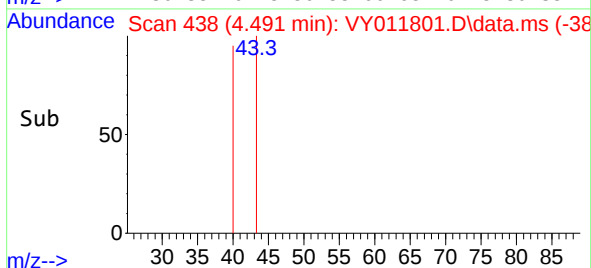
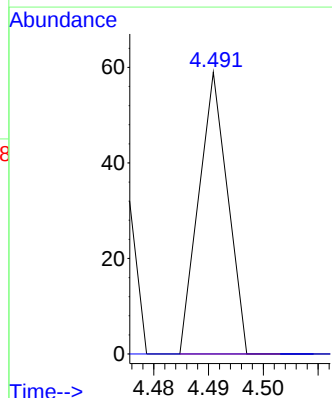
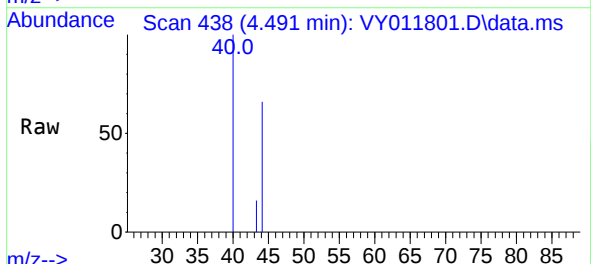
Instrument :
MSVOA_Y
ClientSampleId :
RB-16-(2.5-4.5)

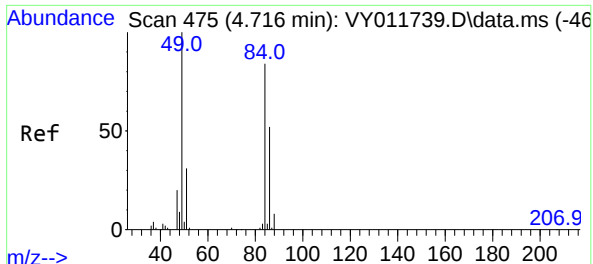
Tgt Ion: 43 Resp: 6820
Ion Ratio Lower Upper
43 100
58 33.3 27.9 41.9



#18
Methyl Acetate
Concen: Below Cal
RT: 4.491 min Scan# 438
Delta R.T. 0.012 min
Lab File: VY011801.D
Acq: 13 Dec 2022 18:04

Tgt Ion: 43 Resp: 22
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#





#20

Methylene Chloride

Concen: 7.467 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY011801.D

Acq: 13 Dec 2022 18:04

Instrument :

MSVOA_Y

ClientSampleId :

RB-16-(2.5-4.5)

Tgt Ion: 84 Resp: 31006

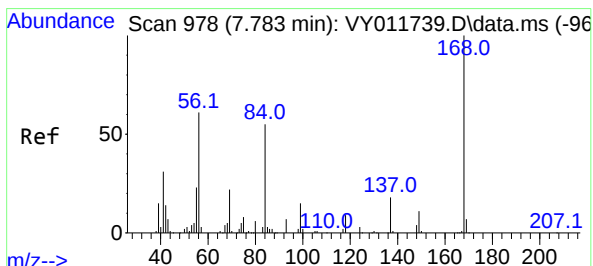
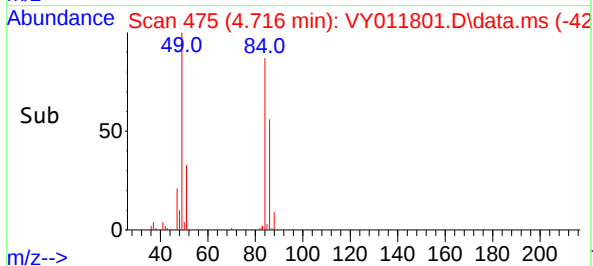
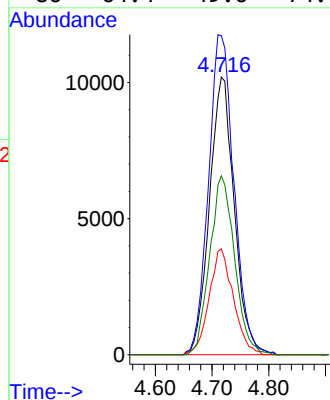
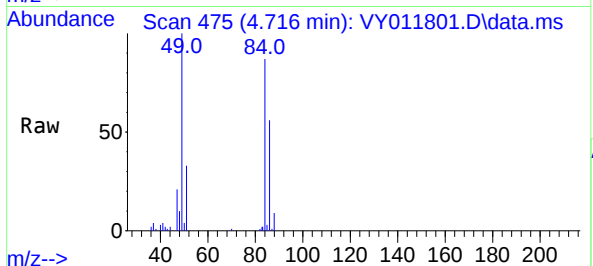
Ion Ratio Lower Upper

84 100

49 114.9 95.4 143.2

51 38.2 29.9 44.9

86 64.4 49.6 74.4



#31

Cyclohexane

Concen: Below Cal

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY011801.D

Acq: 13 Dec 2022 18:04

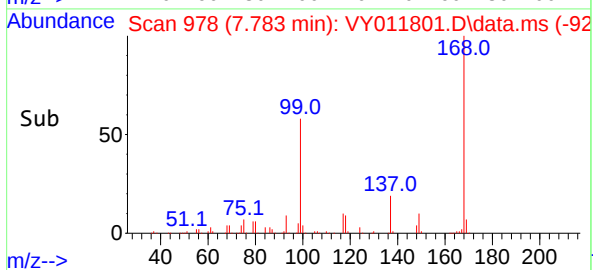
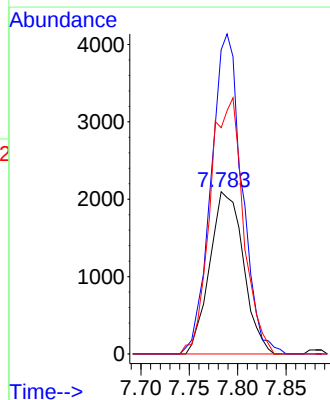
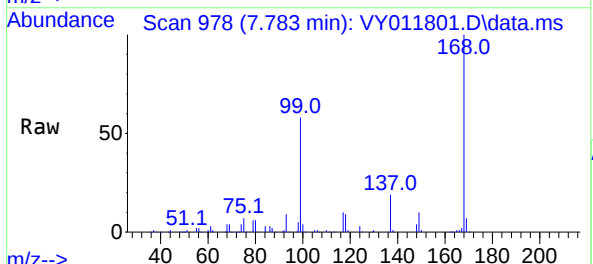
Tgt Ion: 56 Resp: 5066

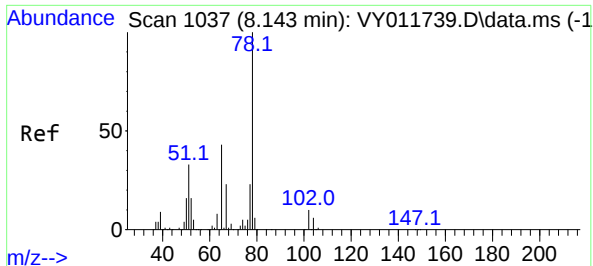
Ion Ratio Lower Upper

56 100

69 187.4 29.2 43.8#

84 139.4 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 56.785 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011801.D

Acq: 13 Dec 2022 18:04

Instrument :

MSVOA_Y

ClientSampleId :

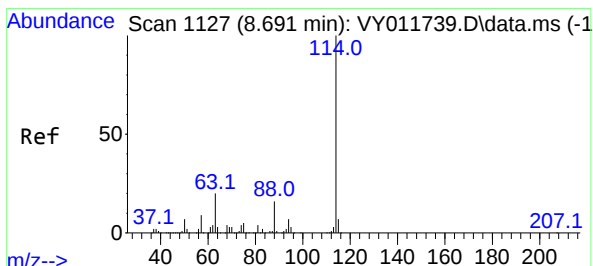
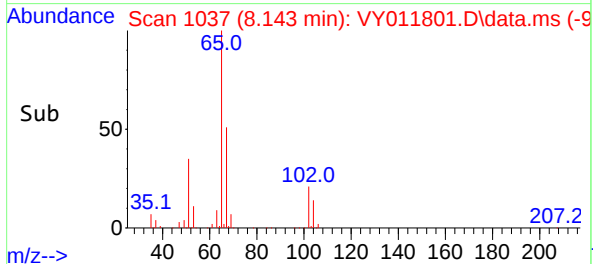
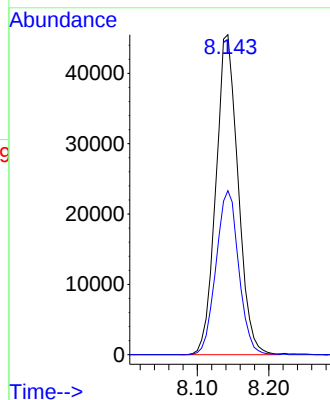
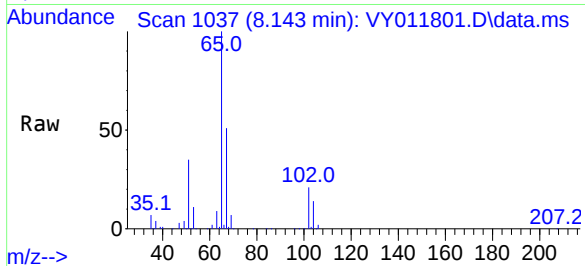
RB-16-(2.5-4.5)

Tgt Ion: 65 Resp: 98028

Ion Ratio Lower Upper

65 100

67 52.4 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: VY011801.D

Acq: 13 Dec 2022 18:04

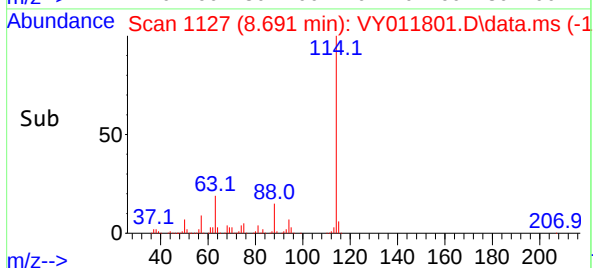
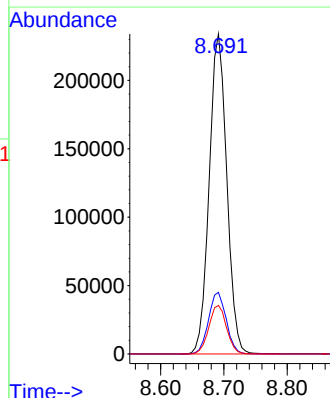
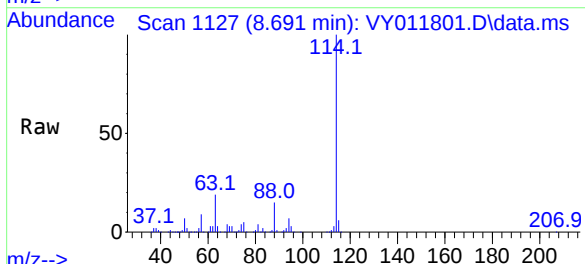
Tgt Ion: 114 Resp: 451906

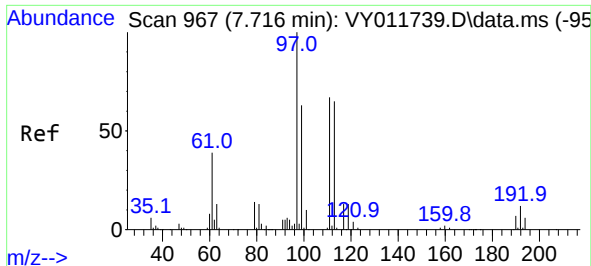
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 15.1 0.0 32.2

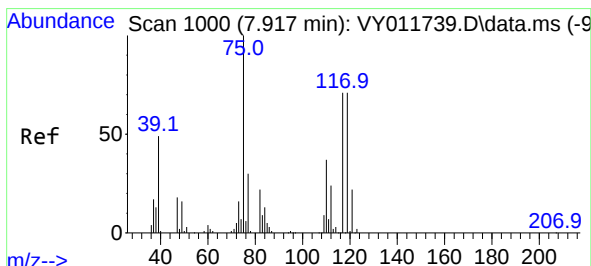
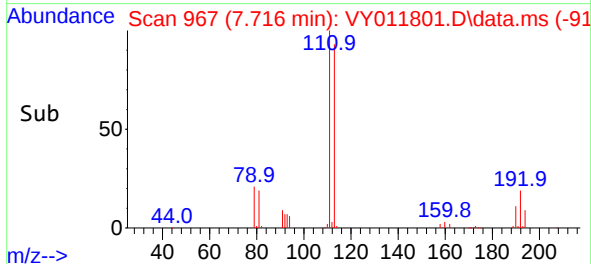
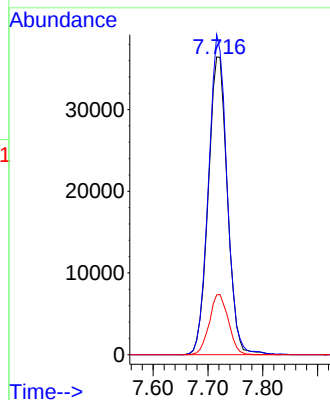
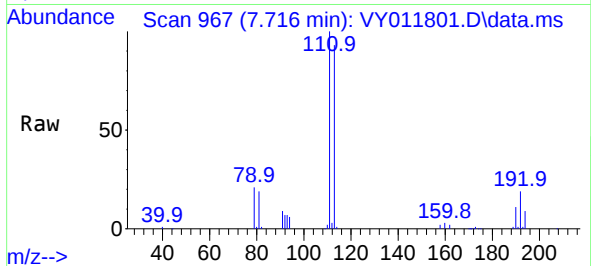




#35
Dibromofluoromethane
Concen: 43.401 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011801.D
Acq: 13 Dec 2022 18:04

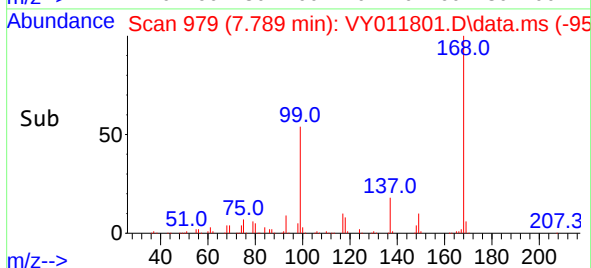
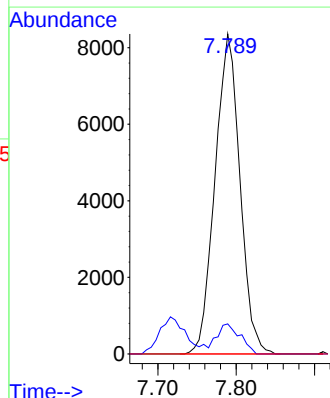
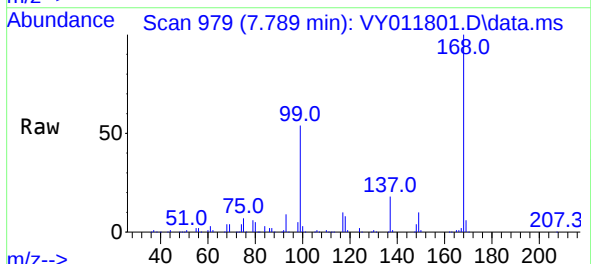
Instrument :
MSVOA_Y
ClientSampleId :
RB-16-(2.5-4.5)

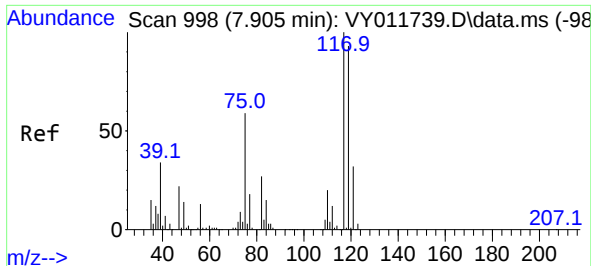
Tgt Ion:113 Resp: 88170
Ion Ratio Lower Upper
113 100
111 104.0 83.0 124.4
192 20.1 16.0 24.0



#36
1,1-Dichloropropene
Concen: 5.390 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011801.D
Acq: 13 Dec 2022 18:04

Tgt Ion: 75 Resp: 18483
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.1#
77 0.0 25.1 37.7#

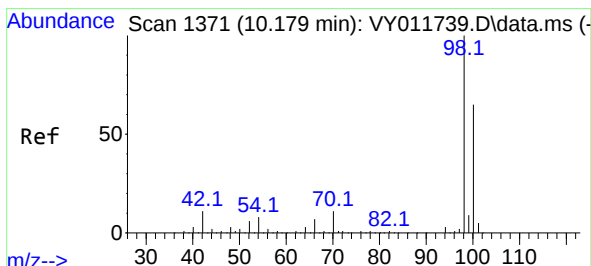
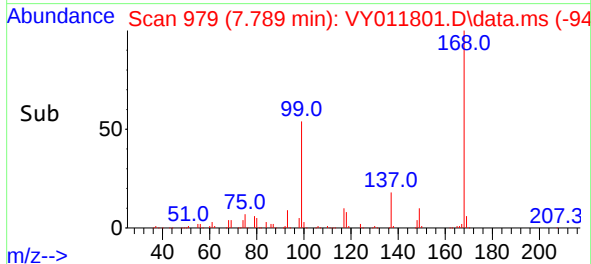
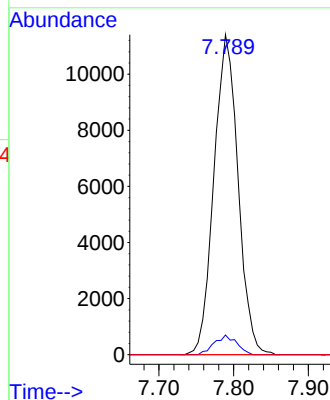
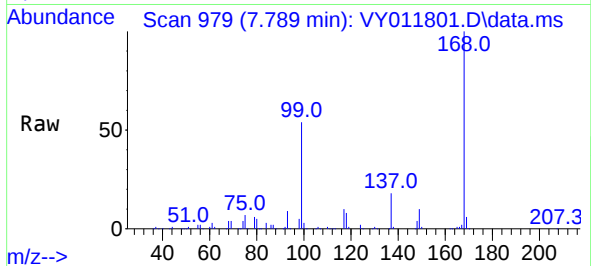




#38
Carbon Tetrachloride
Concen: 6.340 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011801.D
Acq: 13 Dec 2022 18:04

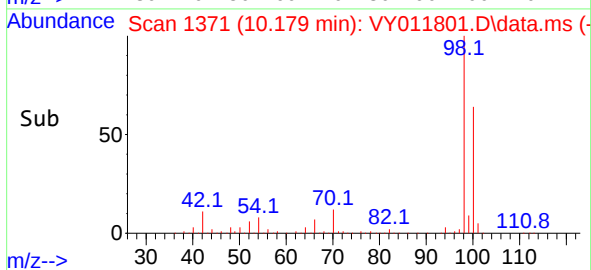
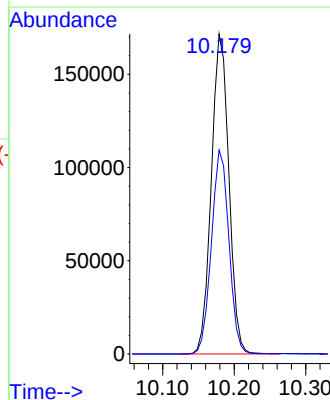
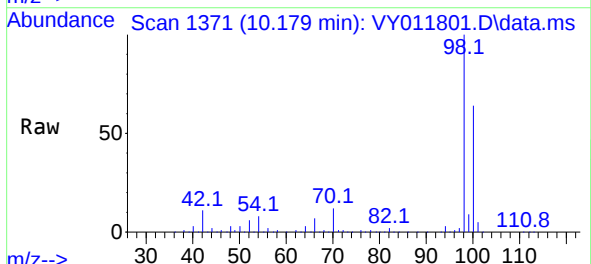
Instrument :
MSVOA_Y
ClientSampleId :
RB-16-(2.5-4.5)

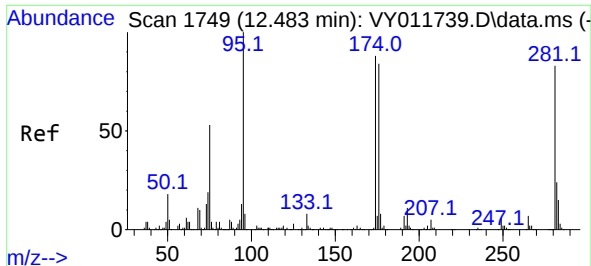
Tgt Ion:117 Resp: 25539
Ion Ratio Lower Upper
117 100
119 6.1 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 43.444 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011801.D
Acq: 13 Dec 2022 18:04

Tgt Ion: 98 Resp: 291711
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9

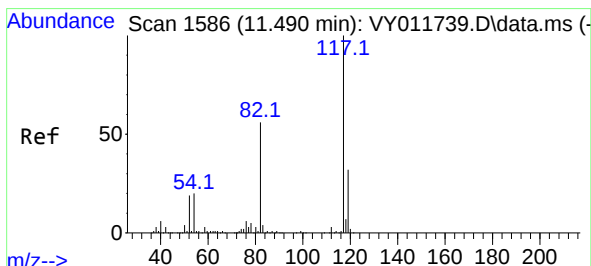
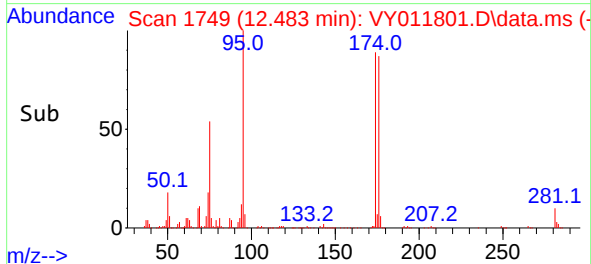
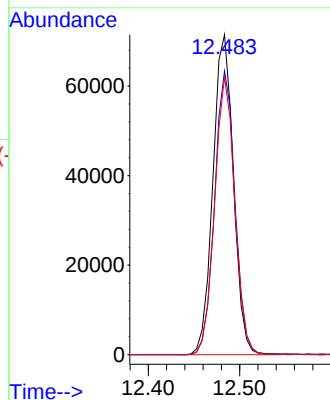
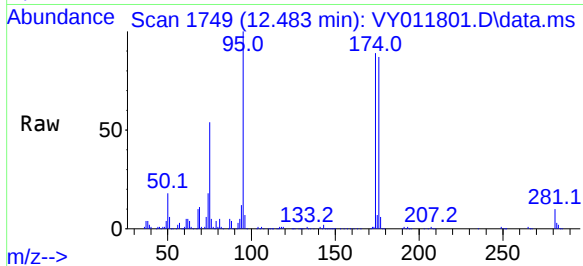




#62
4-Bromofluorobenzene
Concen: 41.644 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011801.D
Acq: 13 Dec 2022 18:04

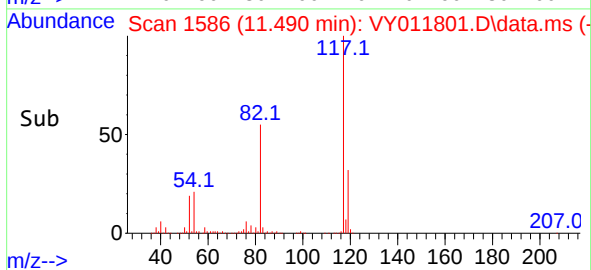
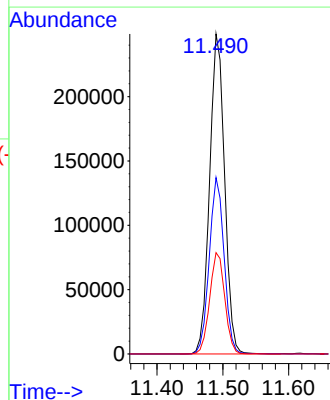
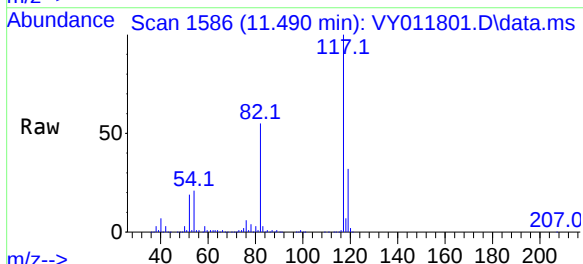
Instrument :
MSVOA_Y
ClientSampleId :
RB-16-(2.5-4.5)

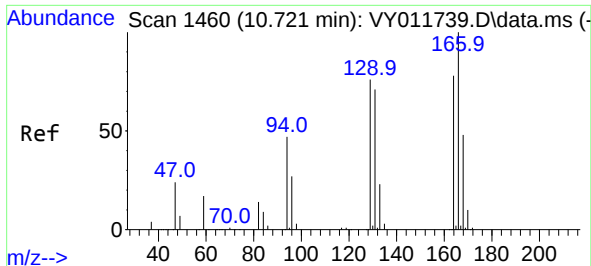
Tgt Ion: 95 Resp: 111109
Ion Ratio Lower Upper
95 100
174 88.3 0.0 172.0
176 85.1 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY011801.D
Acq: 13 Dec 2022 18:04

Tgt Ion: 117 Resp: 394976
Ion Ratio Lower Upper
117 100
82 55.1 44.8 67.2
119 31.7 25.4 38.2



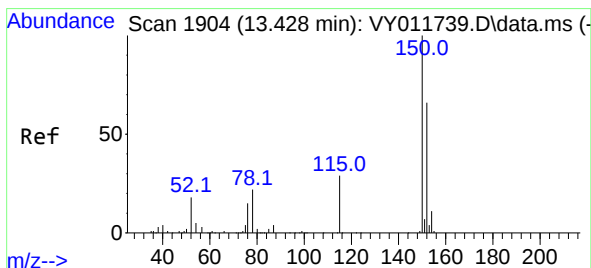
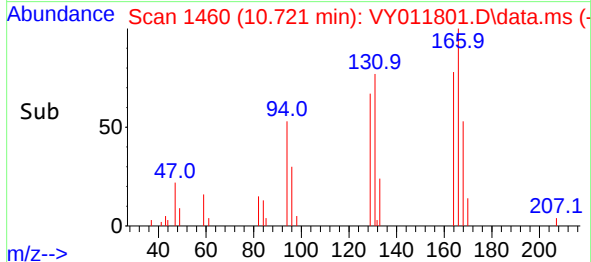
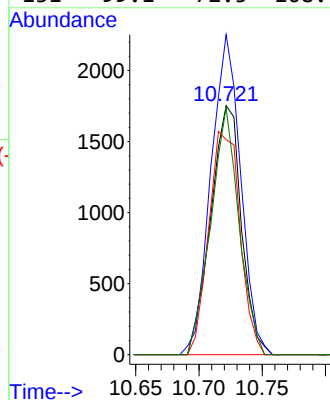
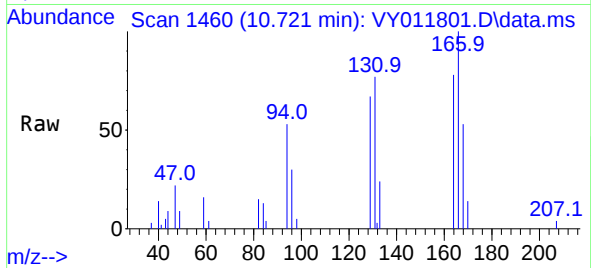


#64
Tetrachloroethene
Concen: 1.057 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY011801.D
Acq: 13 Dec 2022 18:04

Instrument :
MSVOA_Y
ClientSampleId :
RB-16-(2.5-4.5)

Tgt Ion:164 Resp: 2954

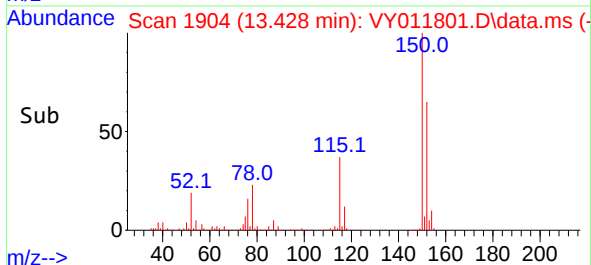
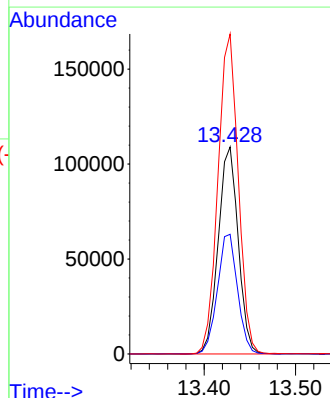
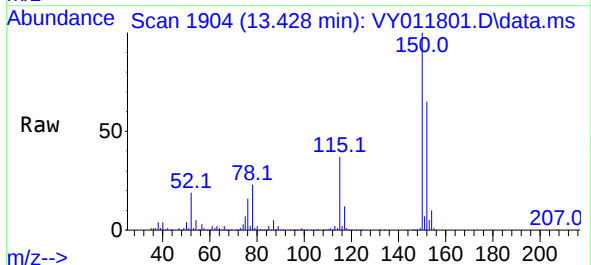
Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.3	153.5
129	86.3	77.2	115.8
131	99.1	72.5	108.7

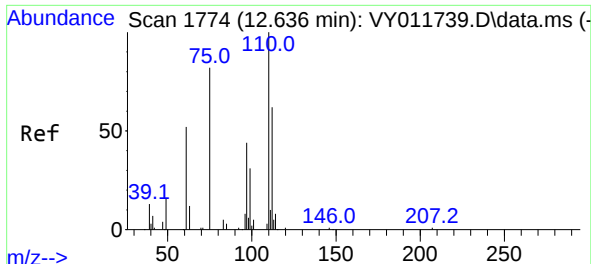


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011801.D
Acq: 13 Dec 2022 18:04

Tgt Ion:152 Resp: 165563

Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.1	87.3
150	157.2	0.0	342.6

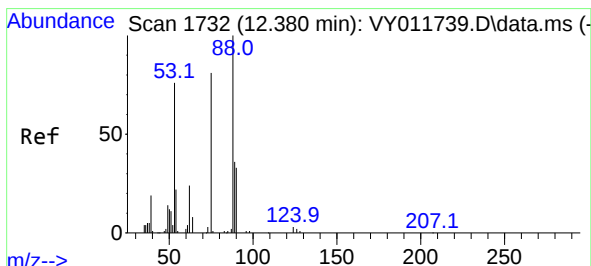
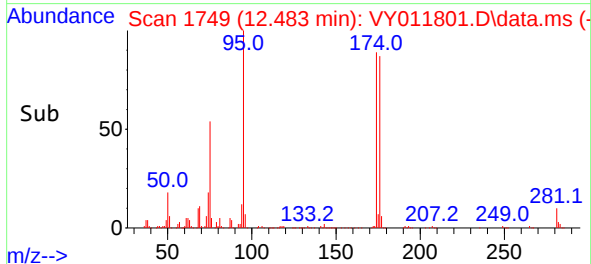
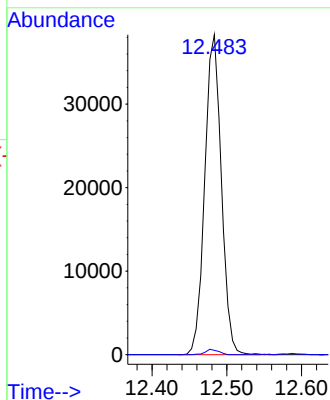
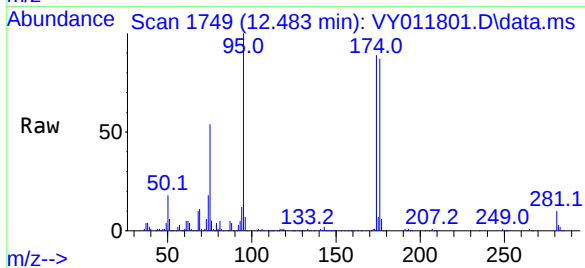




#76
1,2,3-Trichloropropane
Concen: 35.260 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011801.D
Acq: 13 Dec 2022 18:04

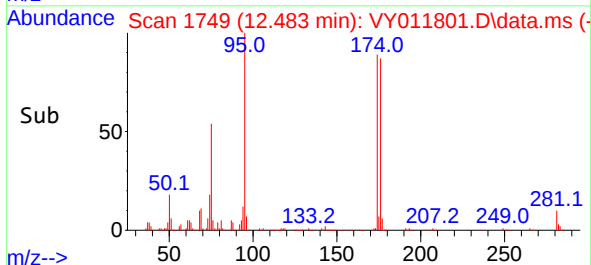
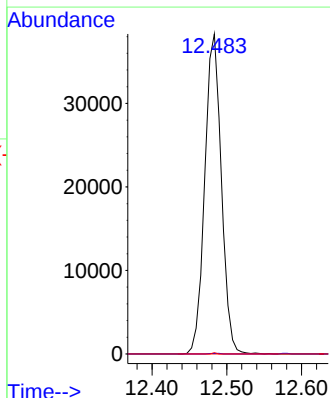
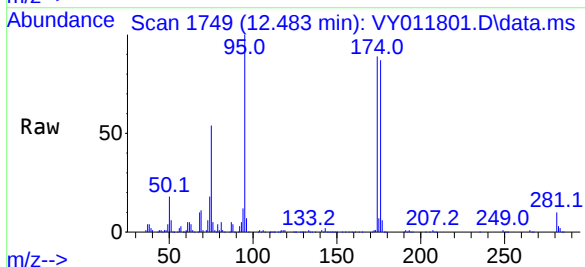
Instrument :
MSVOA_Y
ClientSampleId :
RB-16-(2.5-4.5)

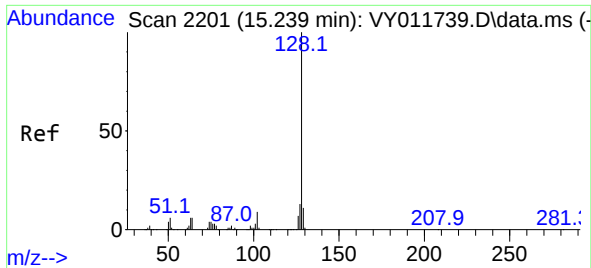
Tgt Ion: 75 Resp: 59063
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.012 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011801.D
Acq: 13 Dec 2022 18:04

Tgt Ion: 75 Resp: 59063
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.1 37.0 55.4#





#95
Naphthalene
Concen: 6.347 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY011801.D
Acq: 13 Dec 2022 18:04

Instrument :
MSVOA_Y
ClientSampleId :
RB-16-(2.5-4.5)

Tgt Ion:128 Resp: 32520
Ion Ratio Lower Upper
128 100
127 14.1 10.2 15.2
129 11.5 8.8 13.2

