

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121422\
 Data File : VY011857.D
 Acq On : 14 Dec 2022 19:43
 Operator : KP/MD
 Sample : N6038-10
 Misc : 4.46g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-33-(5-7)

Quant Time: Dec 15 01:23:58 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)

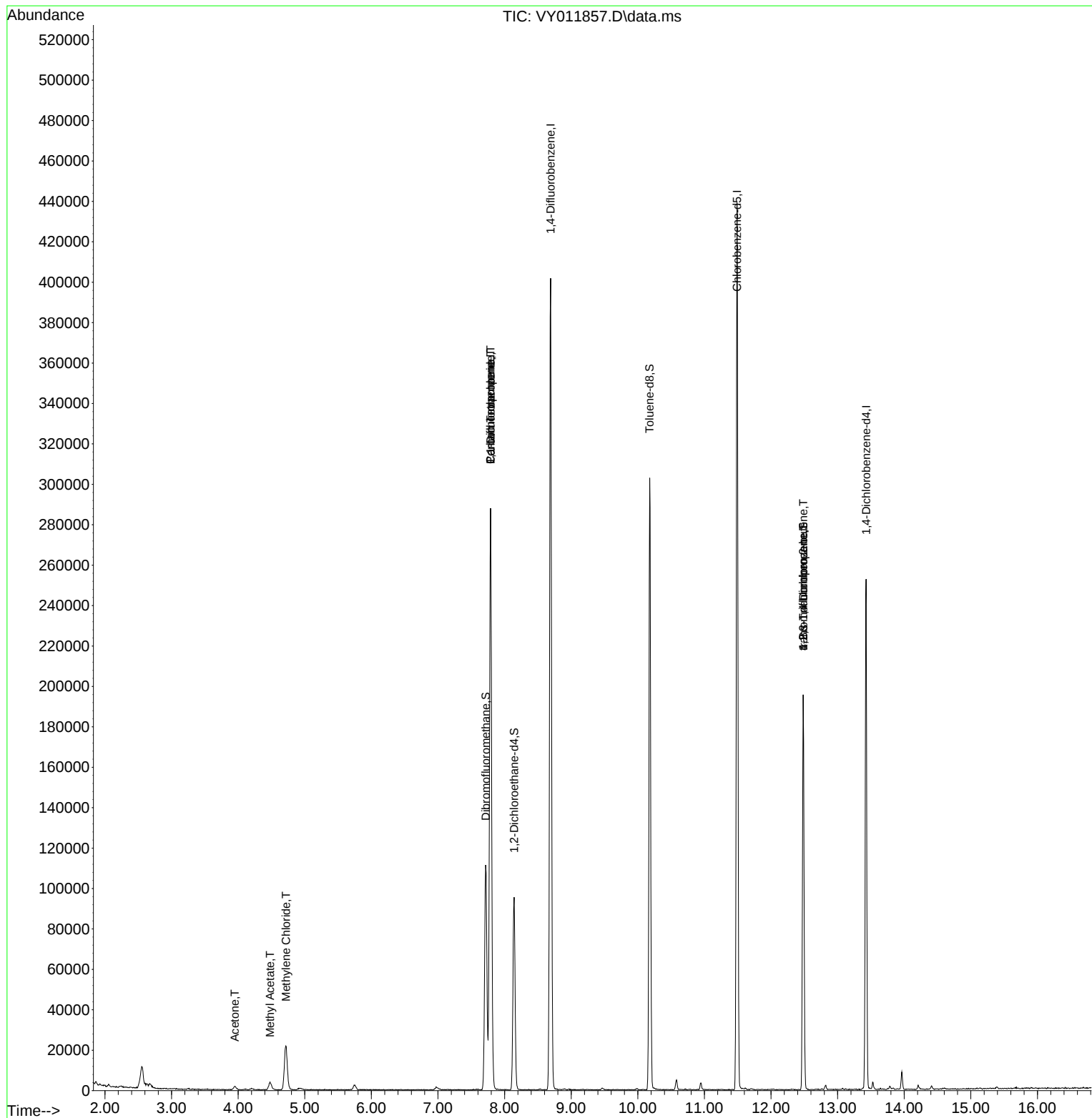
Internal Standards						
1) Pentafluorobenzene	7.789	168	222351	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	345235	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	244470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	66414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	75637	49.834	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.660%		
35) Dibromofluoromethane	7.715	113	79340	51.871	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.740%		
50) Toluene-d8	10.178	98	204536	39.244	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	78.480%		
62) 4-Bromofluorobenzene	12.483	95	51706	23.403	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	46.800%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.899	85	21	Below Cal	#	41
3) Chloromethane	2.119	50	124	Below Cal	#	41
5) Bromomethane	2.637	94	173	Below Cal	#	51
11) Tert butyl alcohol	4.911	59	383	Below Cal	#	74
16) Acetone	3.948	43	3019	4.973	ug/l	94
18) Methyl Acetate	4.478	43	7488	3.544	ug/l	97
20) Methylene Chloride	4.716	84	17084	2.300	ug/l	93
31) Cyclohexane	7.789	56	4337	Below Cal	#	10
36) 1,1-Dichloropropene	7.789	75	16452	6.280	ug/l #	50
38) Carbon Tetrachloride	7.789	117	21953	7.134	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	27049	40.255	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	27049	91.347	ug/l #	13

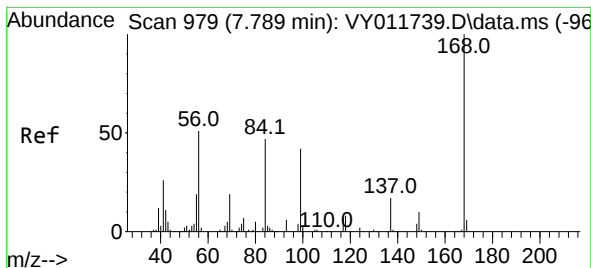
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY011857.D

Acq: 14 Dec 2022 19:43

Instrument :

MSVOA_Y

ClientSampleId :

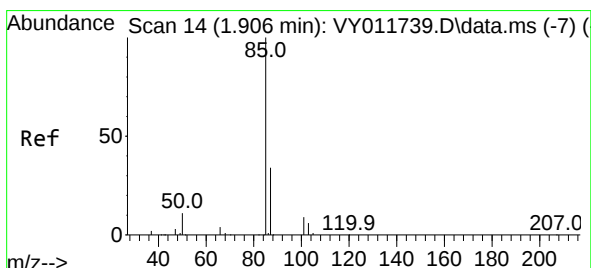
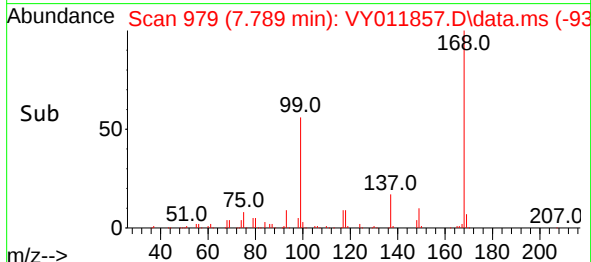
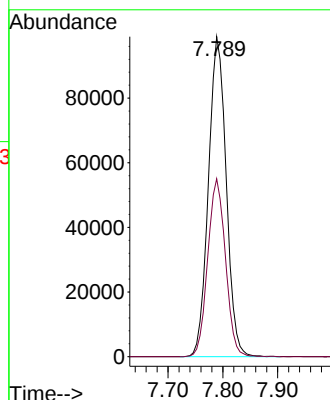
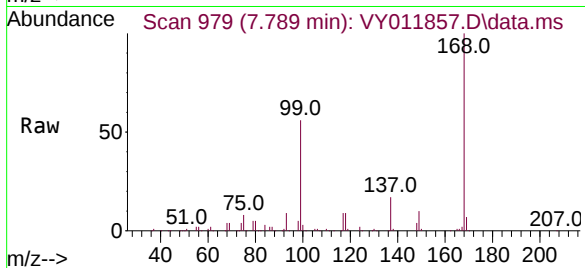
RB-33-(5-7)

Tgt Ion:168 Resp: 222351

Ion Ratio Lower Upper

168 100

99 55.6 44.0 66.0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.899 min Scan# 13

Delta R.T. -0.007 min

Lab File: VY011857.D

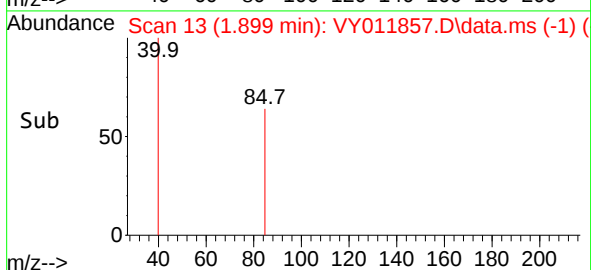
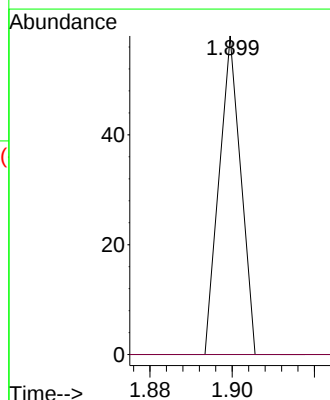
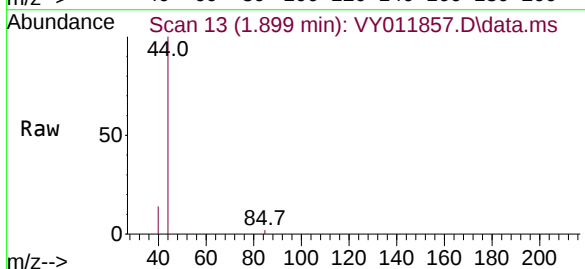
Acq: 14 Dec 2022 19:43

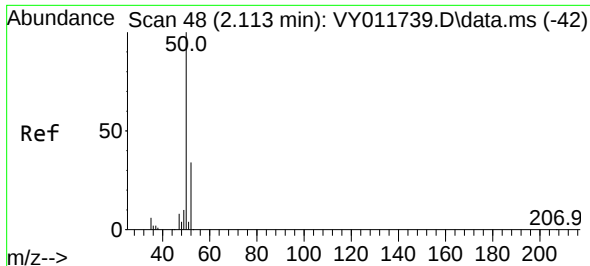
Tgt Ion: 85 Resp: 21

Ion Ratio Lower Upper

85 100

87 0.0 16.8 50.4#

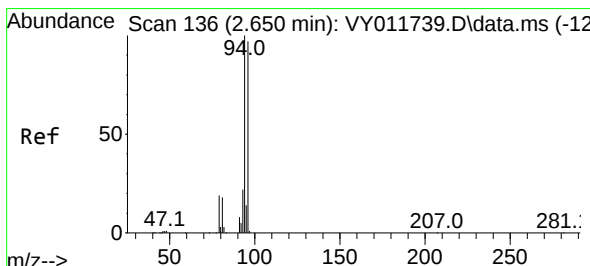
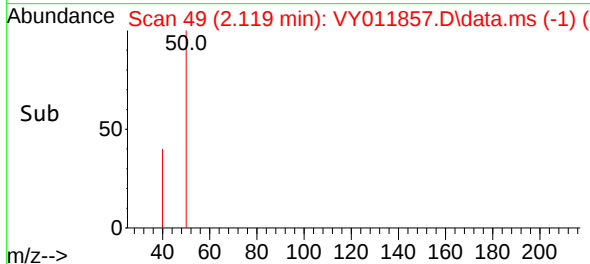
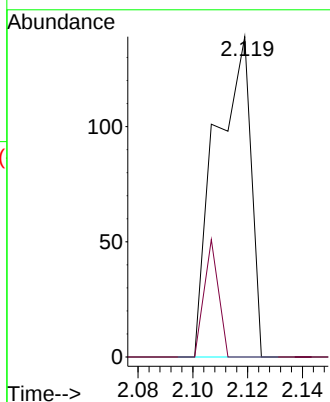
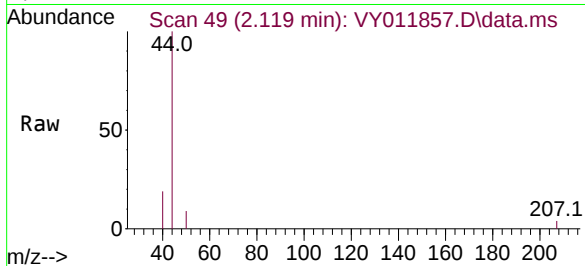




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011857.D
Acq: 14 Dec 2022 19:43

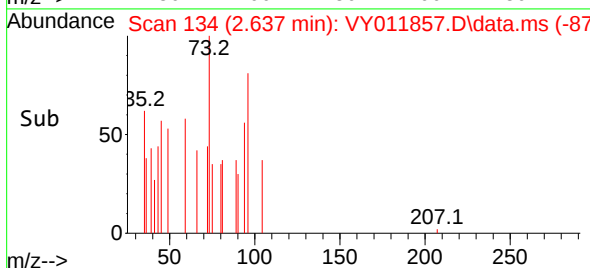
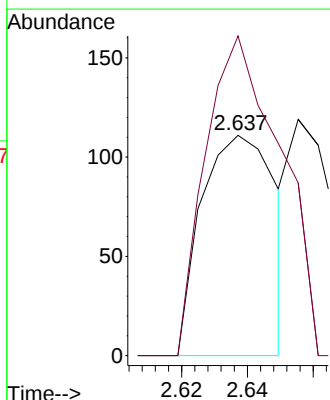
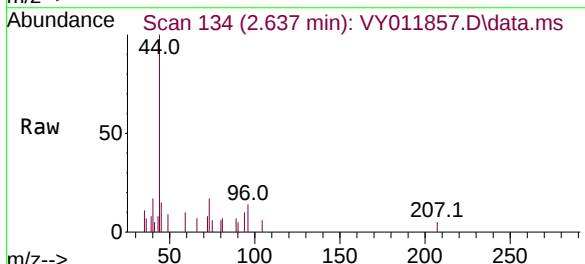
Instrument :
MSVOA_Y
ClientSampleId :
RB-33-(5-7)

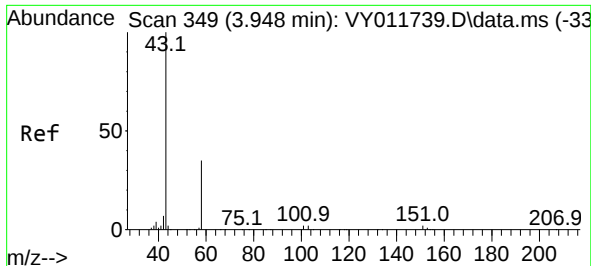
Tgt Ion: 50 Resp: 124
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.637 min Scan# 134
Delta R.T. -0.013 min
Lab File: VY011857.D
Acq: 14 Dec 2022 19:43

Tgt Ion: 94 Resp: 173
Ion Ratio Lower Upper
94 100
96 145.0 77.4 116.2#

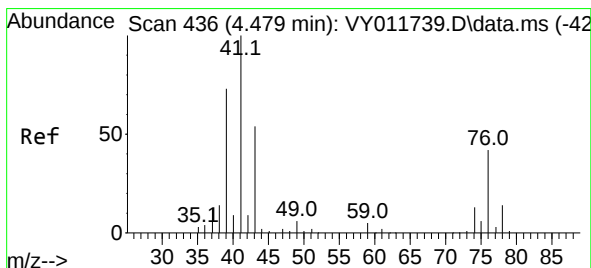
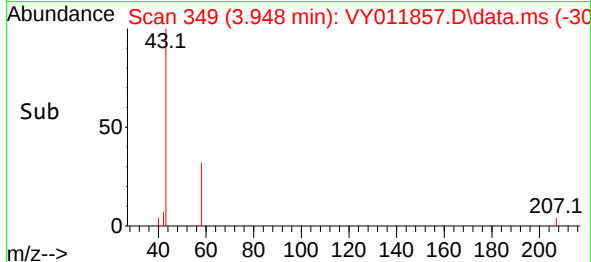
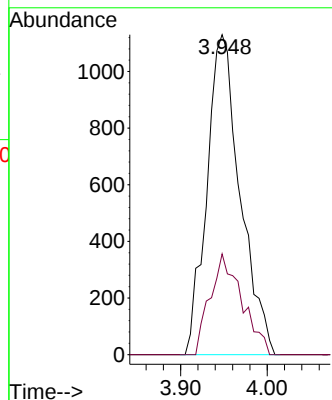
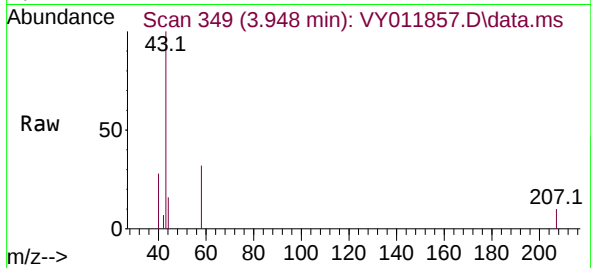




#16
Acetone
Concen: 4.973 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY011857.D
Acq: 14 Dec 2022 19:43

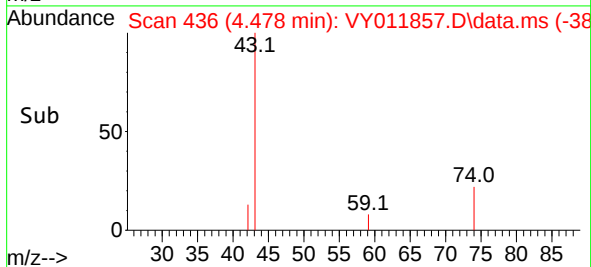
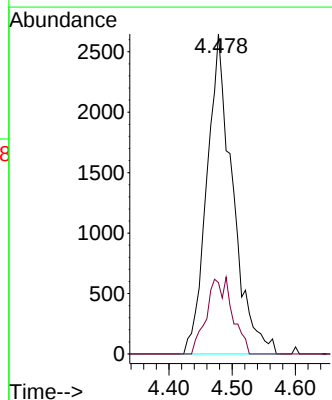
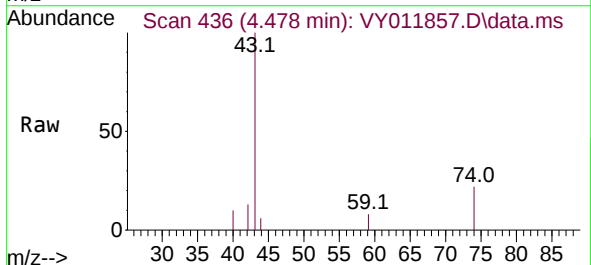
Instrument :
MSVOA_Y
ClientSampleId :
RB-33-(5-7)

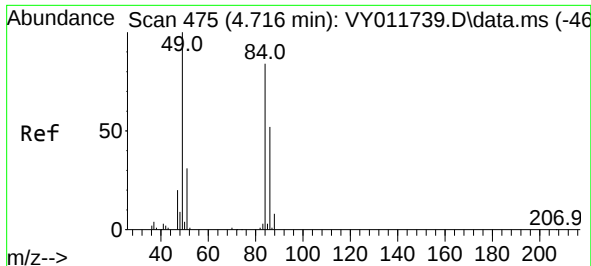
Tgt Ion: 43 Resp: 3019
Ion Ratio Lower Upper
43 100
58 31.5 27.9 41.9



#18
Methyl Acetate
Concen: 3.544 ug/l
RT: 4.478 min Scan# 436
Delta R.T. -0.001 min
Lab File: VY011857.D
Acq: 14 Dec 2022 19:43

Tgt Ion: 43 Resp: 7488
Ion Ratio Lower Upper
43 100
74 23.7 20.1 30.1

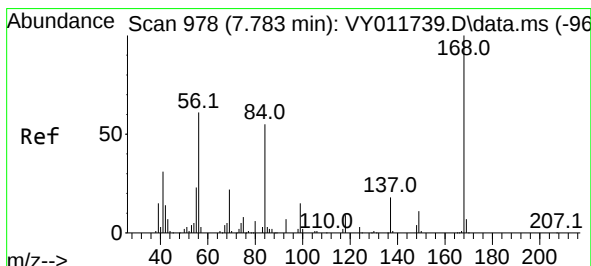
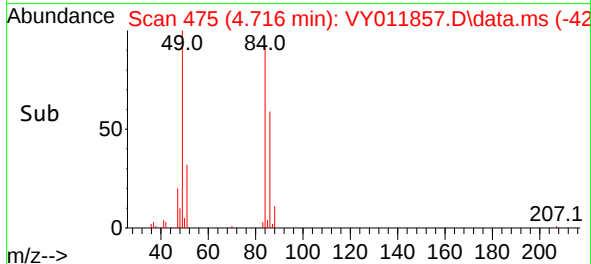
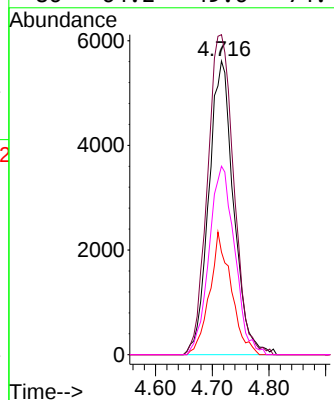
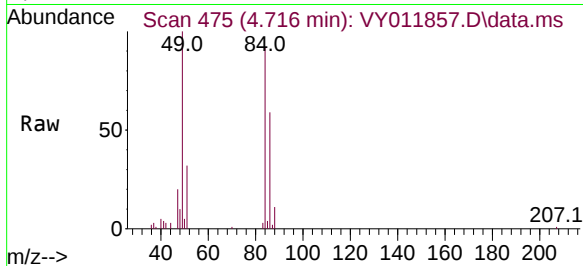




#20
Methylene Chloride
Concen: 2.300 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011857.D
Acq: 14 Dec 2022 19:43

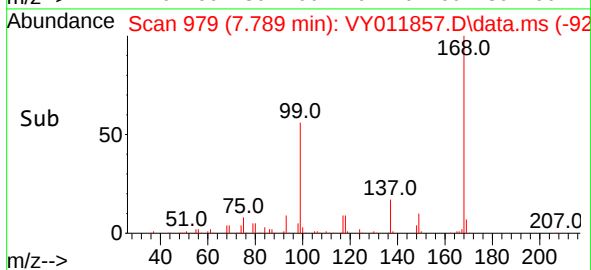
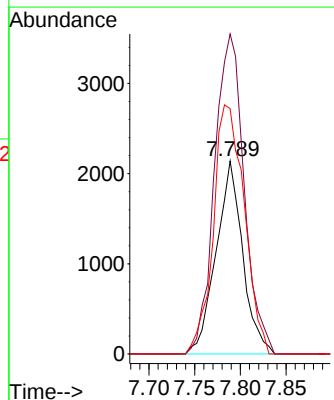
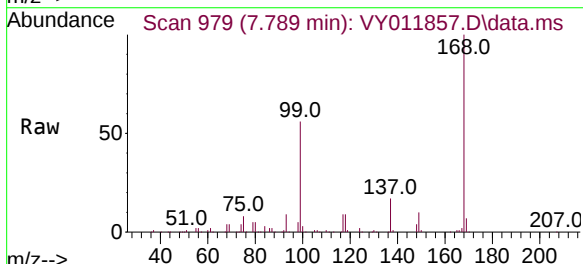
Instrument :
MSVOA_Y
ClientSampleId :
RB-33-(5-7)

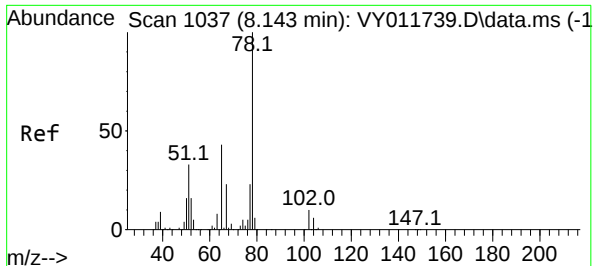
Tgt Ion:	84	Resp:	17084
Ion	Ratio	Lower	Upper
84	100		
49	109.0	95.4	143.2
51	34.9	29.9	44.9
86	64.2	49.6	74.4



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY011857.D
Acq: 14 Dec 2022 19:43

Tgt Ion:	56	Resp:	4337
Ion	Ratio	Lower	Upper
56	100		
69	165.8	29.2	43.8#
84	127.1	72.6	108.8#





#33

1,2-Dichloroethane-d4

Concen: 49.834 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011857.D

Acq: 14 Dec 2022 19:43

Instrument :

MSVOA_Y

ClientSampleId :

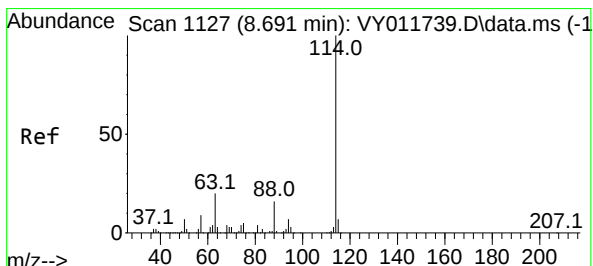
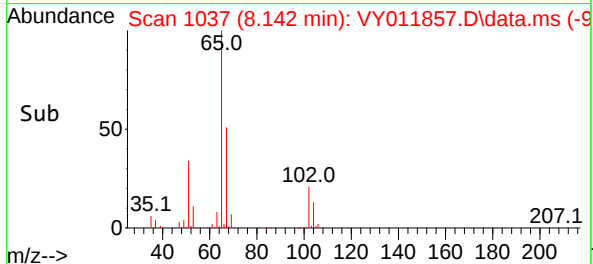
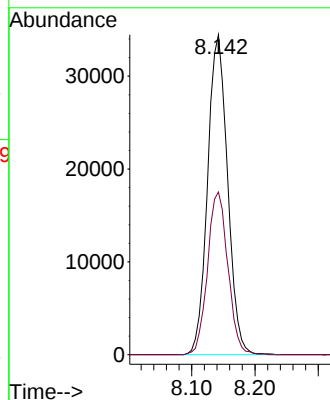
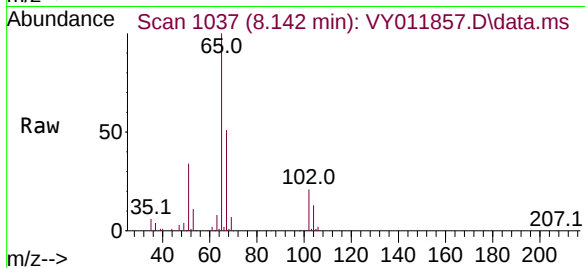
RB-33-(5-7)

Tgt Ion: 65 Resp: 75637

Ion Ratio Lower Upper

65 100

67 51.8 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: VY011857.D

Acq: 14 Dec 2022 19:43

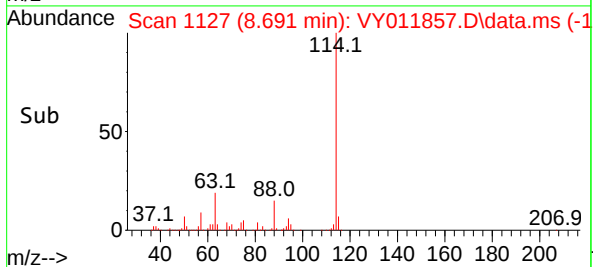
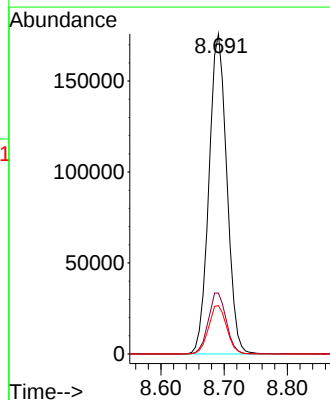
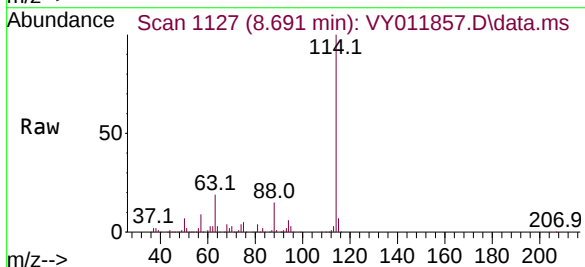
Tgt Ion: 114 Resp: 345235

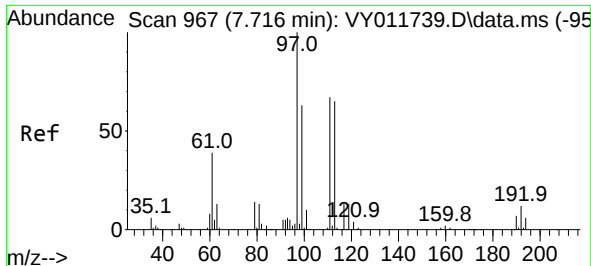
Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

88 15.1 0.0 32.2

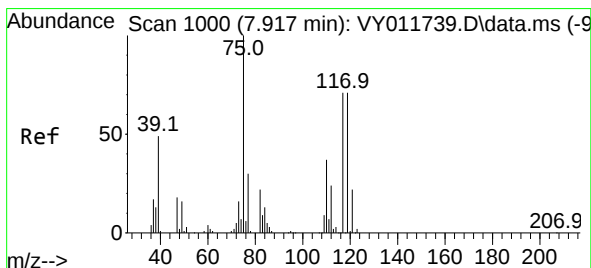
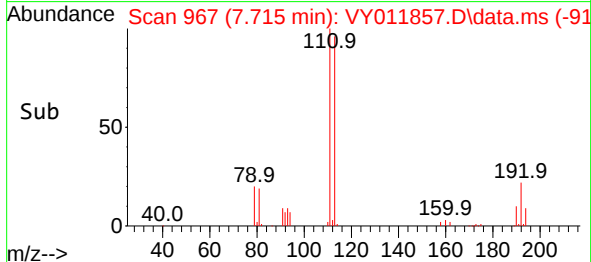
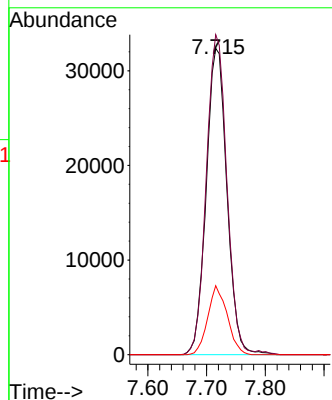
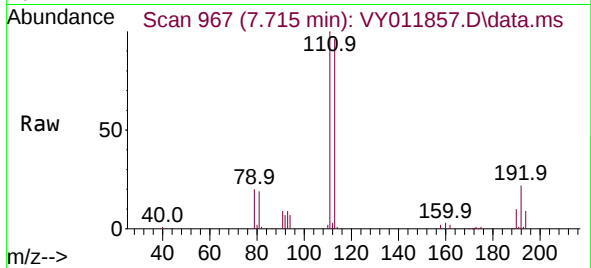




#35
Dibromofluoromethane
Concen: 51.871 ug/l
RT: 7.715 min Scan# 911
Delta R.T. -0.001 min
Lab File: VY011857.D
Acq: 14 Dec 2022 19:43

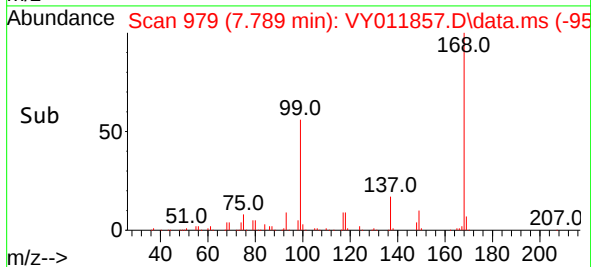
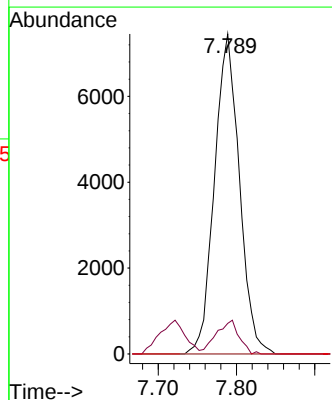
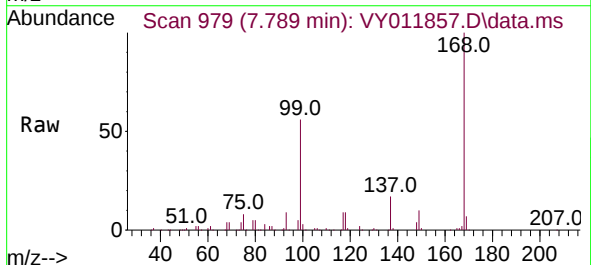
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RB-33-(5-7)

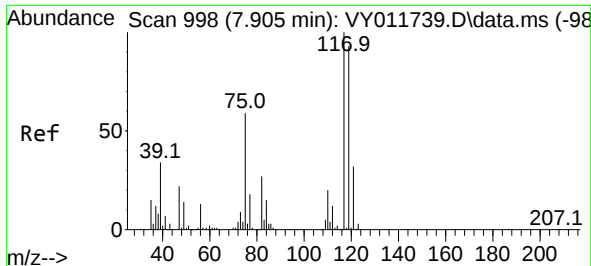
Tgt Ion:113 Resp: 79340
Ion Ratio Lower Upper
113 100
111 103.3 83.0 124.4
192 21.2 16.0 24.0



#36
1,1-Dichloropropene
Concen: 6.280 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011857.D
Acq: 14 Dec 2022 19:43

Tgt Ion: 75 Resp: 16452
Ion Ratio Lower Upper
75 100
110 9.7 18.1 54.1#
77 0.0 25.1 37.7#

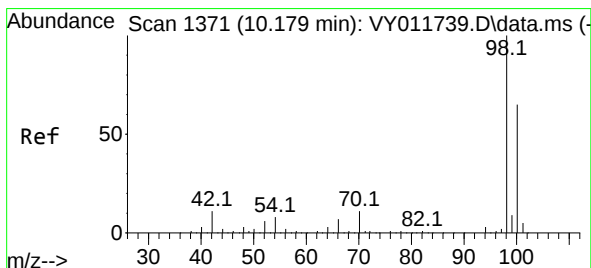
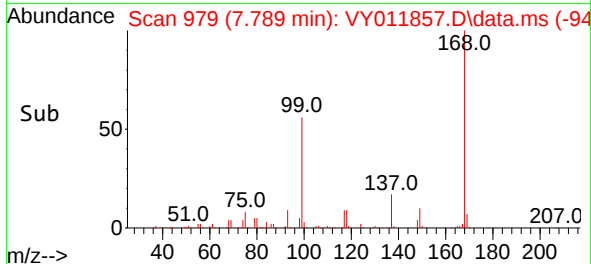
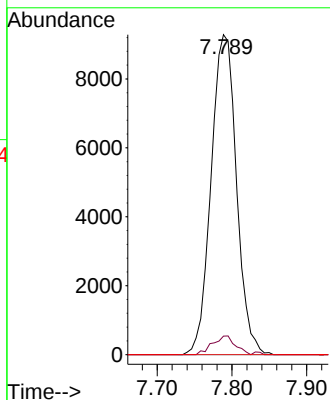
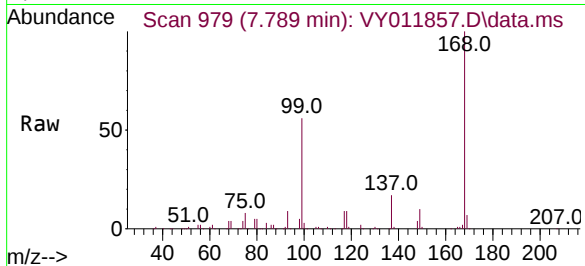




#38
Carbon Tetrachloride
Concen: 7.134 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011857.D
Acq: 14 Dec 2022 19:43

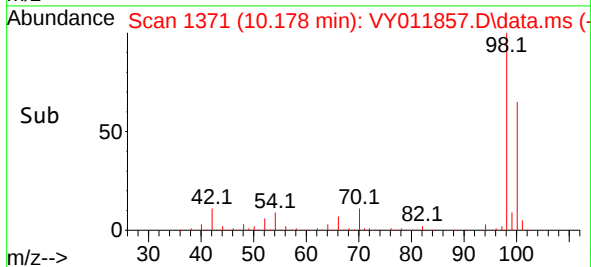
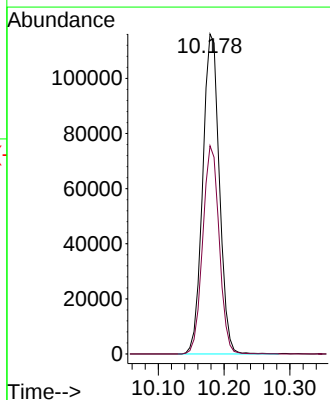
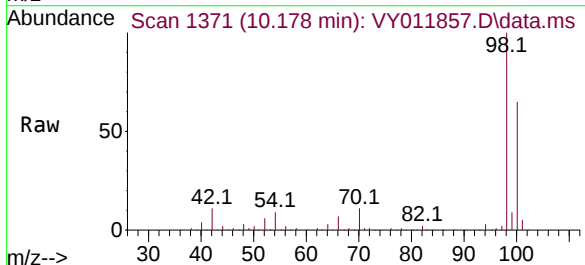
Instrument :
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ClientSampleId :
RB-33-(5-7)

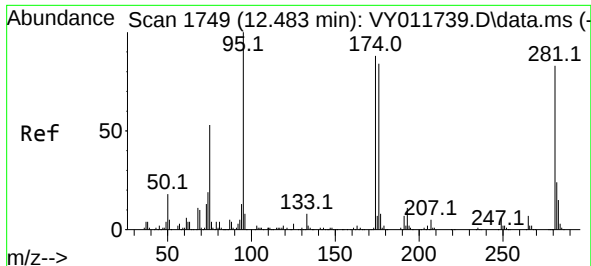
Tgt Ion:117 Resp: 21953
Ion Ratio Lower Upper
117 100
119 5.8 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 39.244 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY011857.D
Acq: 14 Dec 2022 19:43

Tgt Ion: 98 Resp: 204536
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9

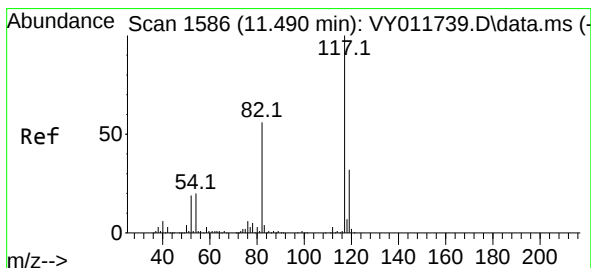
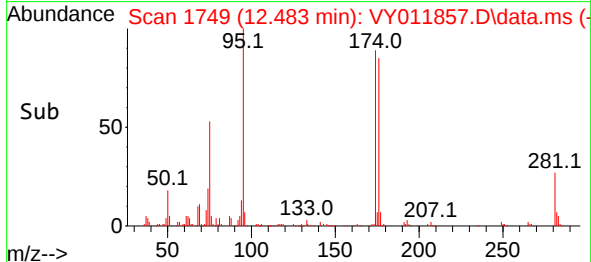
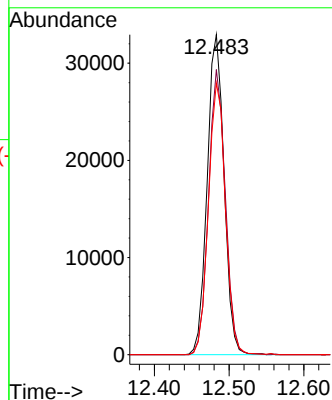
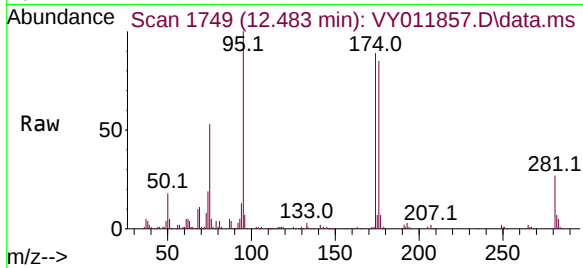




#62
4-Bromofluorobenzene
Concen: 23.403 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY011857.D
Acq: 14 Dec 2022 19:43

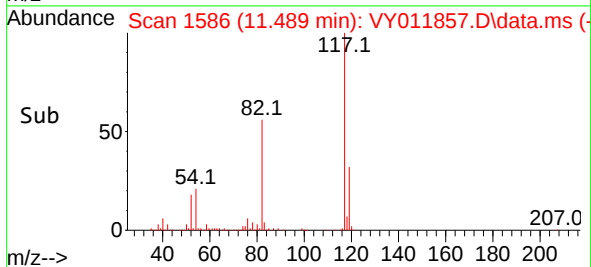
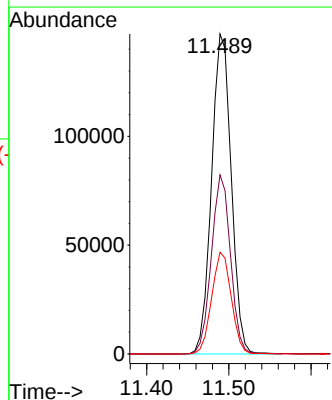
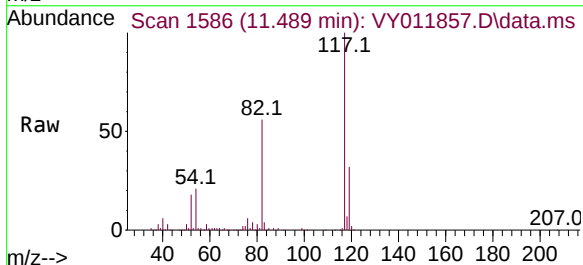
Instrument :
MSVOA_Y
ClientSampleId :
RB-33-(5-7)

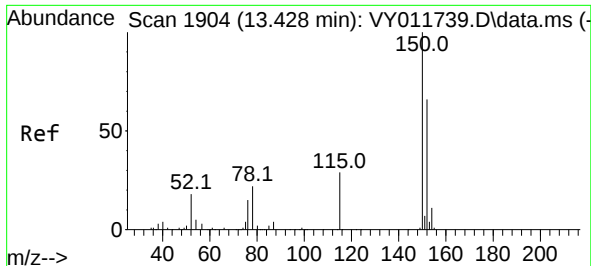
Tgt Ion: 95 Resp: 51706
Ion Ratio Lower Upper
95 100
174 88.4 0.0 172.0
176 85.5 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011857.D
Acq: 14 Dec 2022 19:43

Tgt Ion: 117 Resp: 244470
Ion Ratio Lower Upper
117 100
82 56.0 44.8 67.2
119 31.8 25.4 38.2

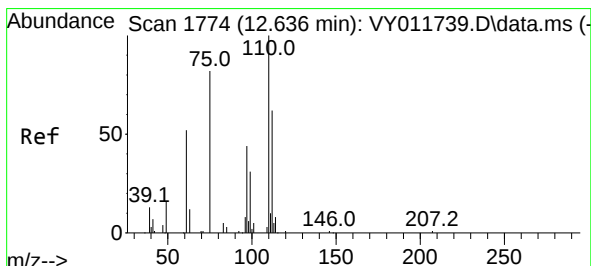
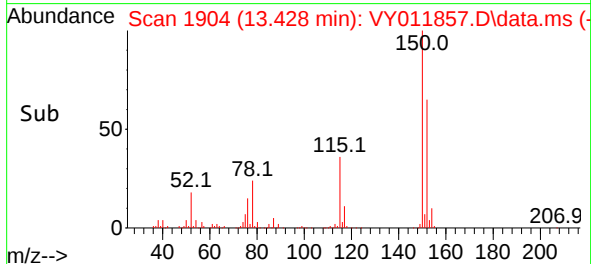
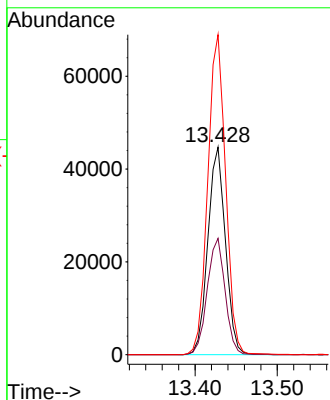
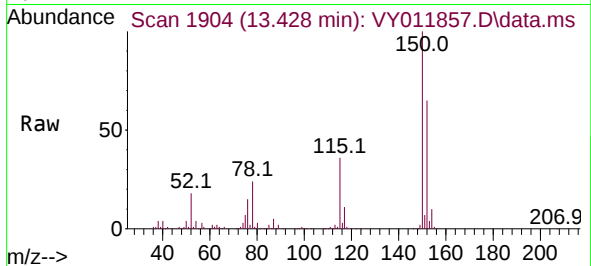




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY011857.D
 Acq: 14 Dec 2022 19:43

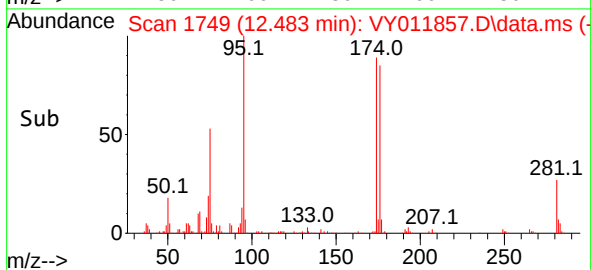
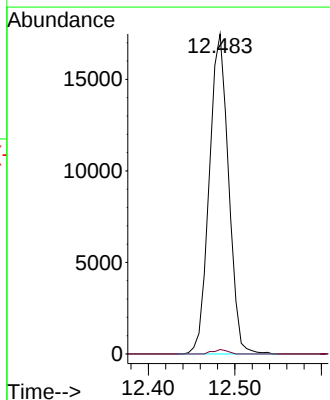
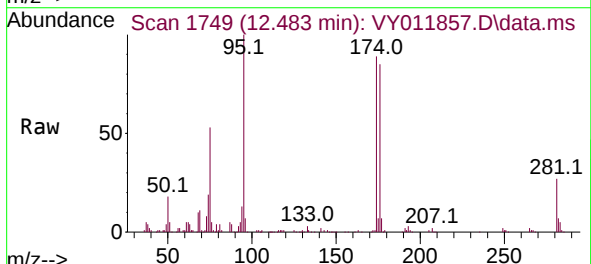
Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-33-(5-7)

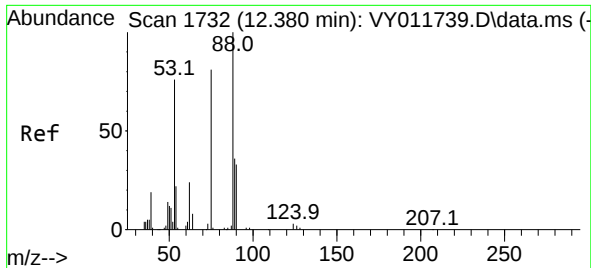
Tgt Ion:152 Resp: 66414
 Ion Ratio Lower Upper
 152 100
 115 57.0 29.1 87.3
 150 156.5 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 40.255 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY011857.D
 Acq: 14 Dec 2022 19:43

Tgt Ion: 75 Resp: 27049
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.347 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY011857.D
 Acq: 14 Dec 2022 19:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-33-(5-7)

Tgt Ion: 75 Resp: 27049
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.1 37.0 55.4#

