

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121422\
 Data File : VY011856.D
 Acq On : 14 Dec 2022 19:20
 Operator : KP/MD
 Sample : N6038-09
 Misc : 6.26g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-33-(2-4)

Quant Time: Dec 15 01:23:43 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)

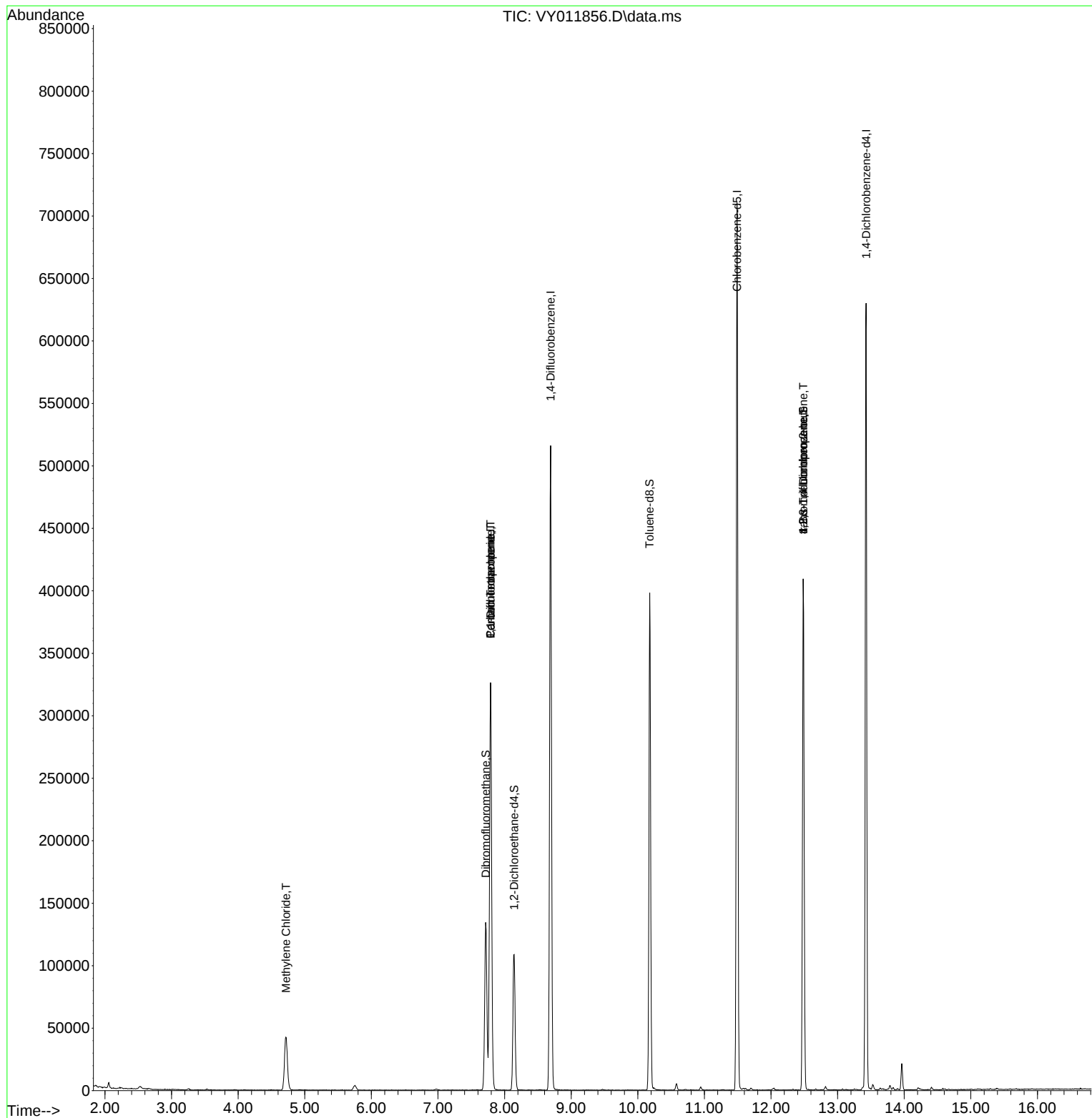
Internal Standards						
1) Pentafluorobenzene	7.789	168	251435	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	438739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	382041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	167031	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	88971	52.052	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 104.100%		
35) Dibromofluoromethane	7.716	113	93570	47.834	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 95.660%		
50) Toluene-d8	10.179	98	265531	40.254	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 80.500%		
62) 4-Bromofluorobenzene	12.483	95	101637	38.947	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 77.900%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	149	Below Cal	#	41
5) Bromomethane	2.668	94	123	Below Cal		88
11) Tert butyl alcohol	4.936	59	265	Below Cal	#	74
18) Methyl Acetate	4.466	43	48	Below Cal	#	50
20) Methylene Chloride	4.716	84	33499	8.875	ug/l	98
31) Cyclohexane	7.789	56	5189	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	19016	5.712	ug/l	# 49
38) Carbon Tetrachloride	7.789	117	25007	6.394	ug/l	# 18
76) 1,2,3-Trichloropropane	12.483	75	53145	31.448	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	53145	71.363	ug/l	# 13

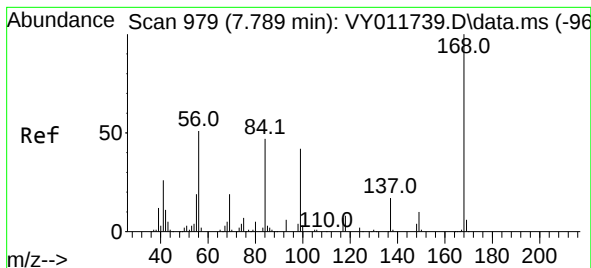
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY011856.D

Acq: 14 Dec 2022 19:20

Instrument :

MSVOA_Y

ClientSampleId :

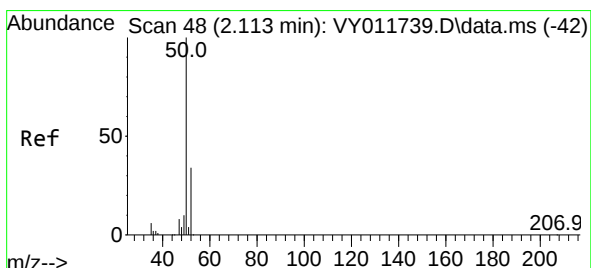
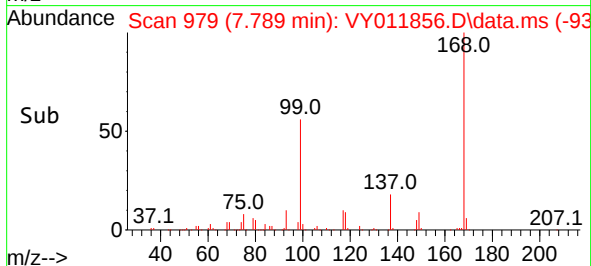
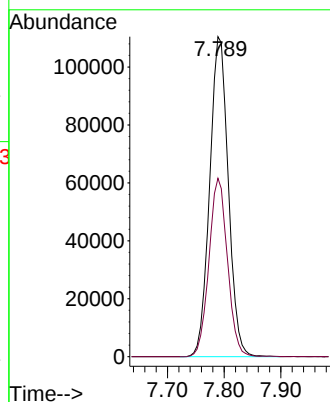
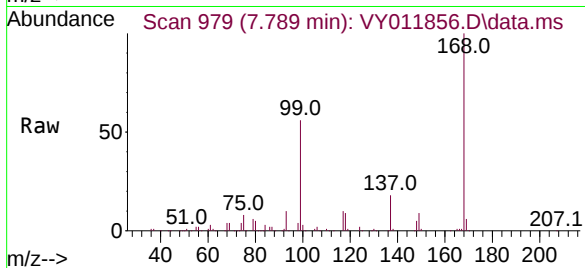
RB-33-(2-4)

Tgt Ion:168 Resp: 251435

Ion Ratio Lower Upper

168 100

99 55.8 44.0 66.0



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 48

Delta R.T. 0.000 min

Lab File: VY011856.D

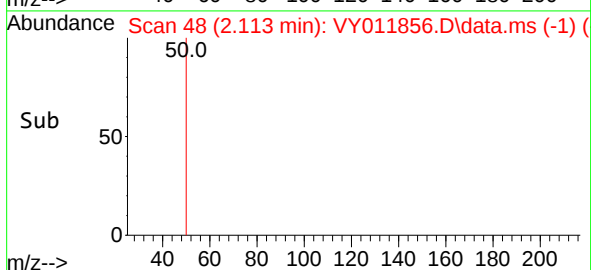
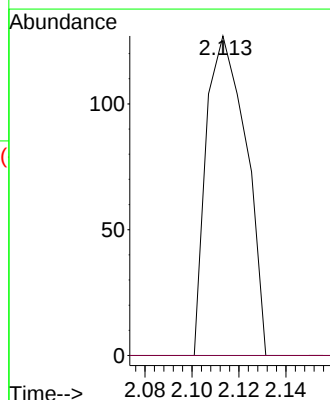
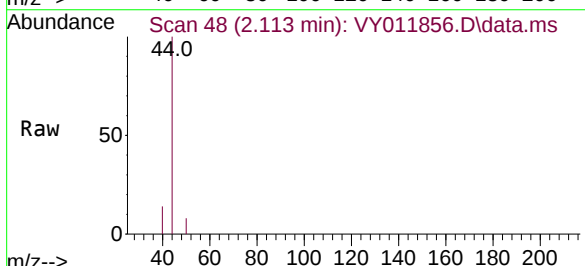
Acq: 14 Dec 2022 19:20

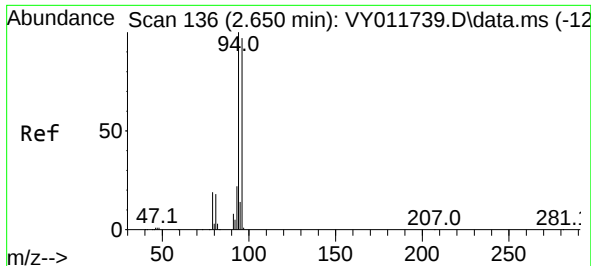
Tgt Ion: 50 Resp: 149

Ion Ratio Lower Upper

50 100

52 0.0 26.8 40.2#

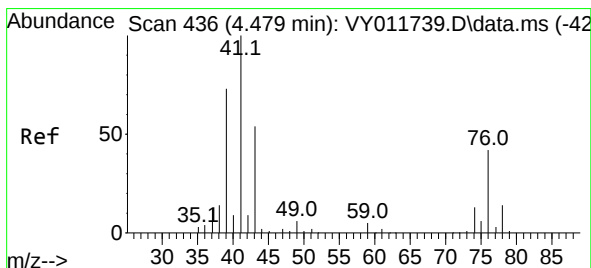
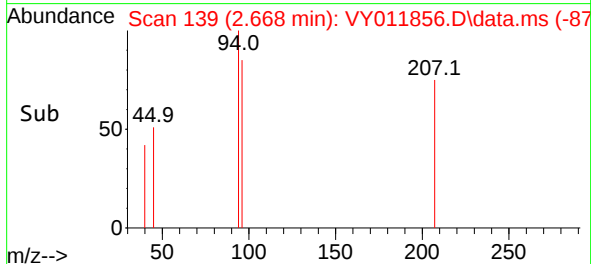
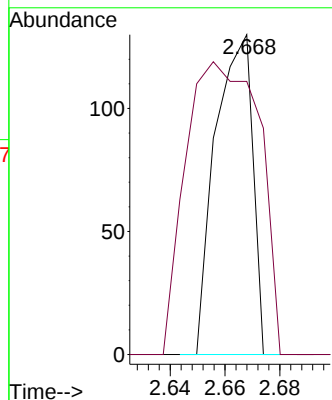
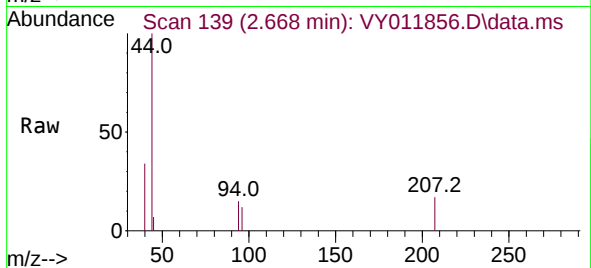




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY011856.D
Acq: 14 Dec 2022 19:20

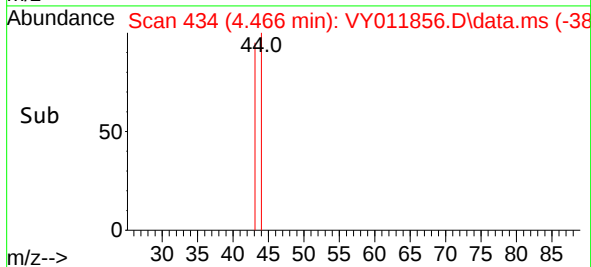
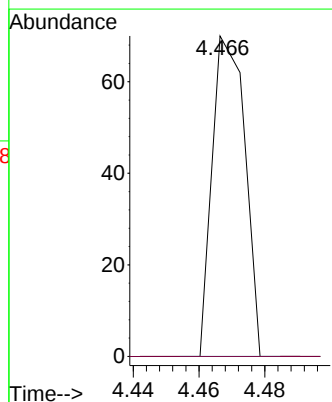
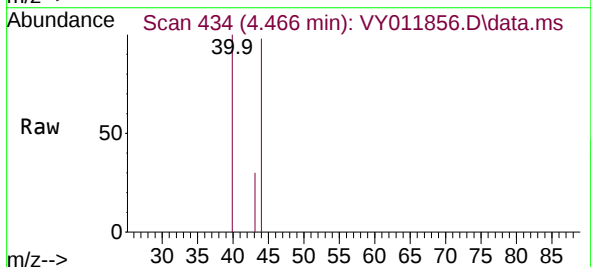
Instrument :
MSVOA_Y
ClientSampleId :
RB-33-(2-4)

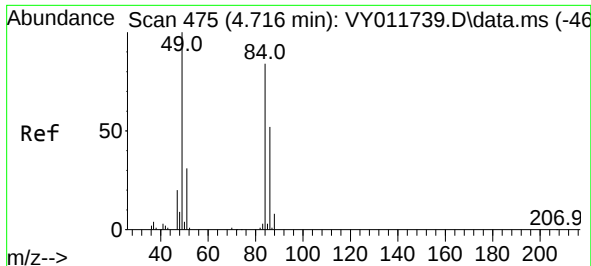
Tgt Ion: 94 Resp: 123
Ion Ratio Lower Upper
94 100
96 85.4 77.4 116.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 434
Delta R.T. -0.013 min
Lab File: VY011856.D
Acq: 14 Dec 2022 19:20

Tgt Ion: 43 Resp: 48
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#





#20

Methylene Chloride

Concen: 8.875 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY011856.D

Acq: 14 Dec 2022 19:20

Instrument :

MSVOA_Y

ClientSampleId :

RB-33-(2-4)

Tgt Ion: 84 Resp: 33499

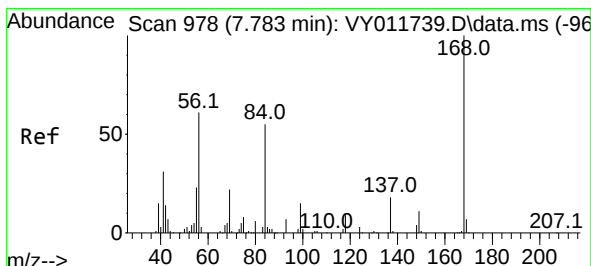
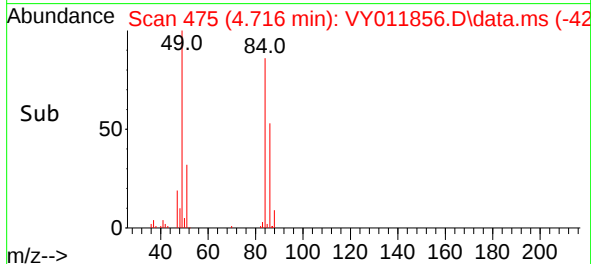
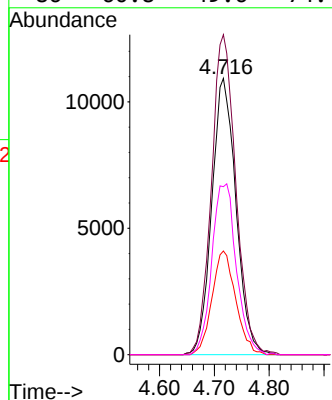
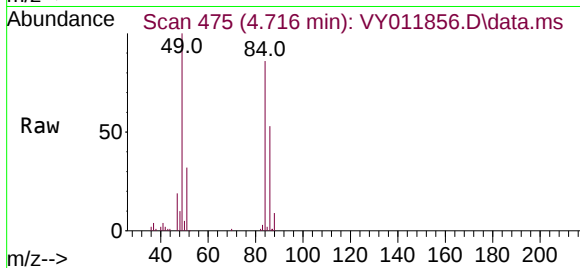
Ion Ratio Lower Upper

84 100

49 115.8 95.4 143.2

51 37.5 29.9 44.9

86 60.8 49.6 74.4



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY011856.D

Acq: 14 Dec 2022 19:20

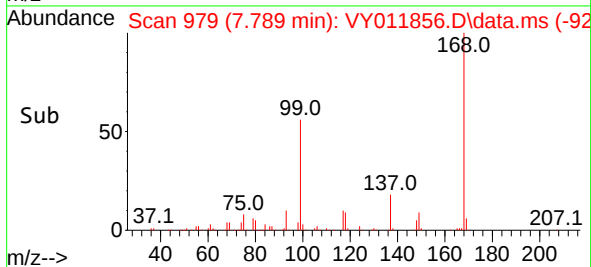
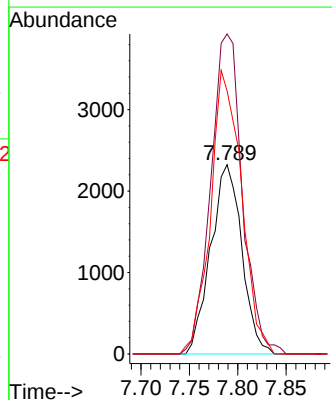
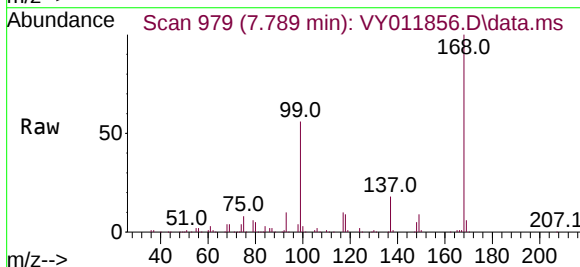
Tgt Ion: 56 Resp: 5189

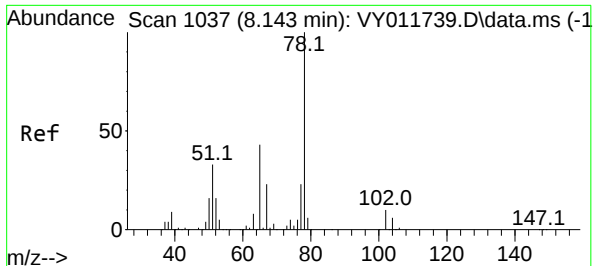
Ion Ratio Lower Upper

56 100

69 169.1 29.2 43.8#

84 138.9 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 52.052 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011856.D

Acq: 14 Dec 2022 19:20

Instrument :

MSVOA_Y

ClientSampleId :

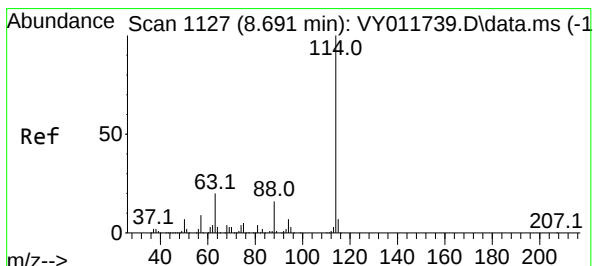
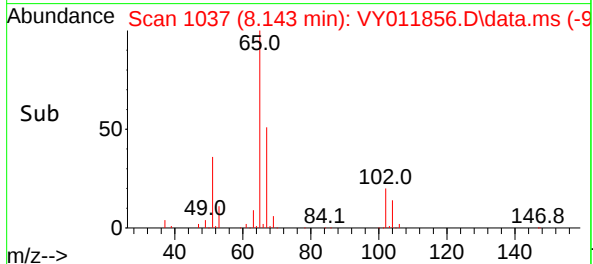
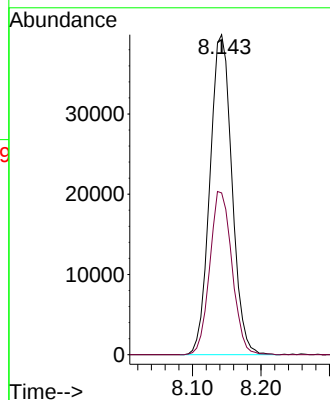
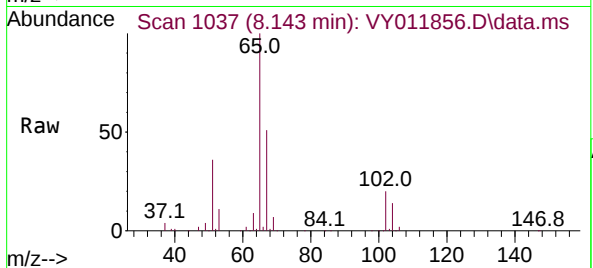
RB-33-(2-4)

Tgt Ion: 65 Resp: 88971

Ion Ratio Lower Upper

65 100

67 51.4 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: VY011856.D

Acq: 14 Dec 2022 19:20

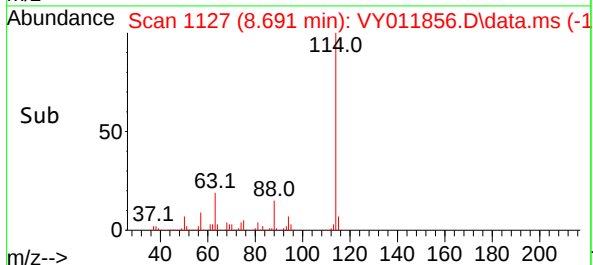
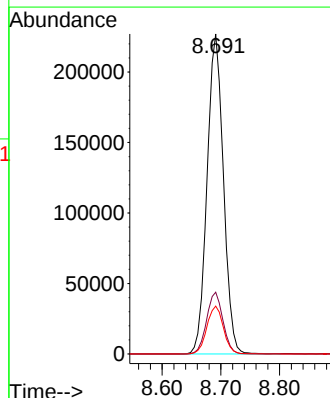
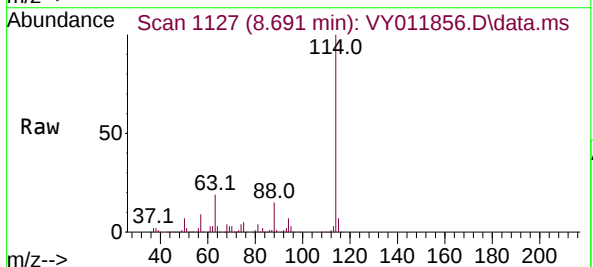
Tgt Ion: 114 Resp: 438739

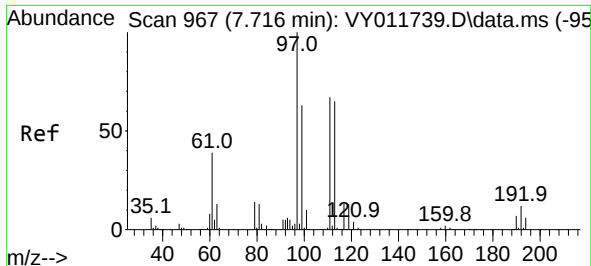
Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

88 15.0 0.0 32.2

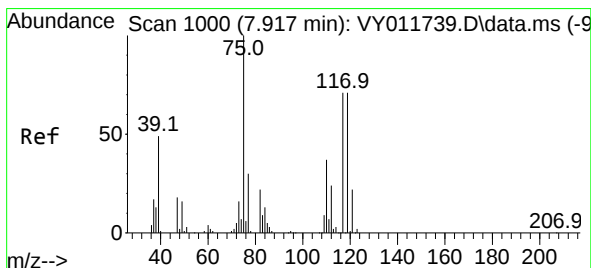
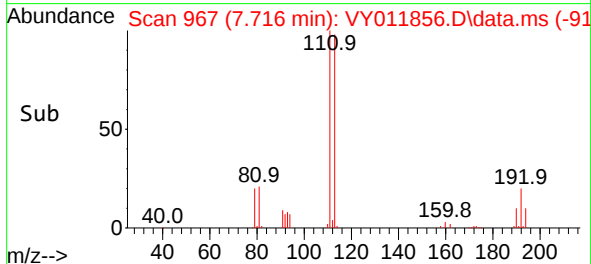
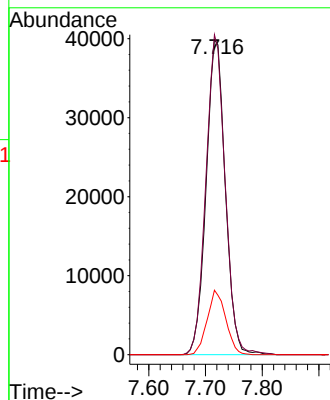
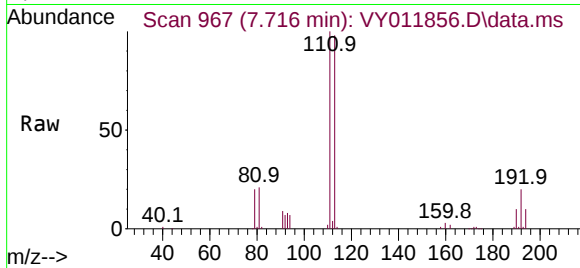




#35
Dibromofluoromethane
Concen: 47.834 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY011856.D
Acq: 14 Dec 2022 19:20

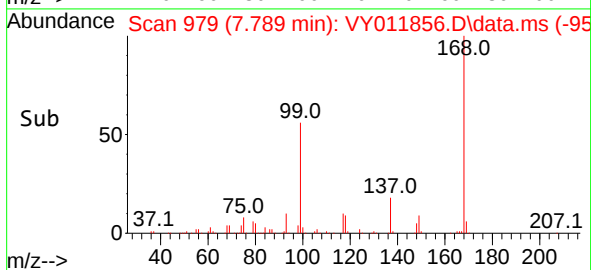
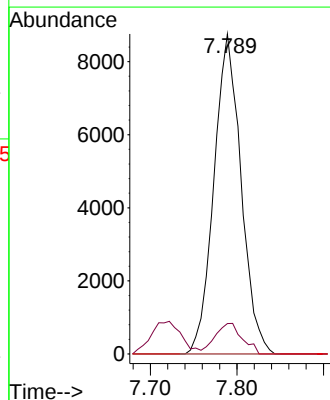
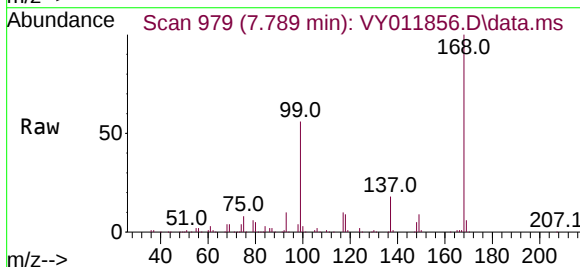
Instrument :
MSVOA_Y
ClientSampleId :
RB-33-(2-4)

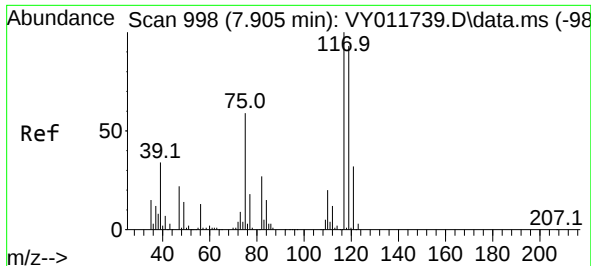
Tgt Ion:	113	Resp:	93570
Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.0	124.4
192	19.8	16.0	24.0



#36
1,1-Dichloropropene
Concen: 5.712 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011856.D
Acq: 14 Dec 2022 19:20

Tgt Ion:	75	Resp:	19016
Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.1	54.1#
77	0.0	25.1	37.7#

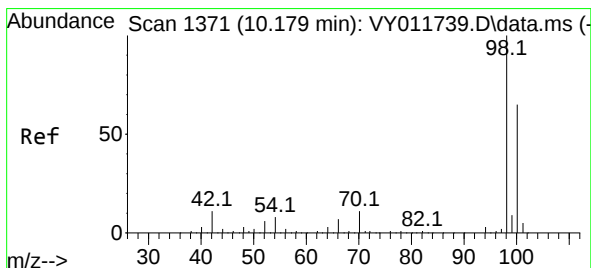
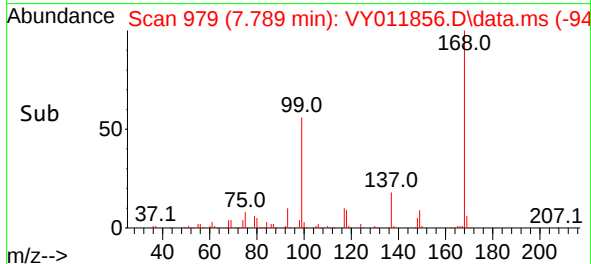
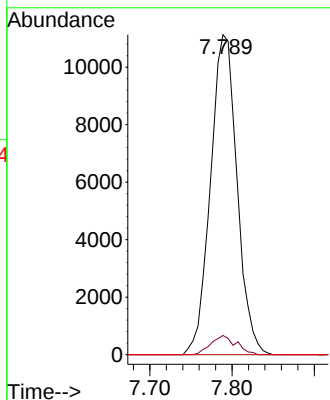
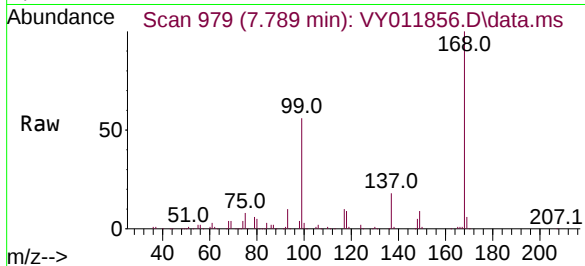




#38
Carbon Tetrachloride
Concen: 6.394 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011856.D
Acq: 14 Dec 2022 19:20

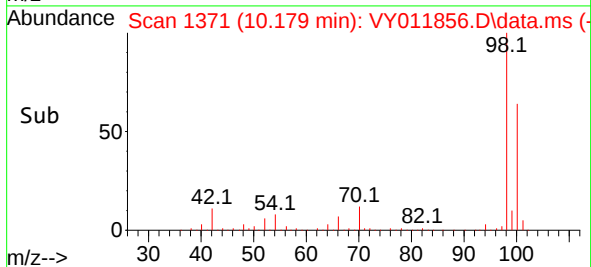
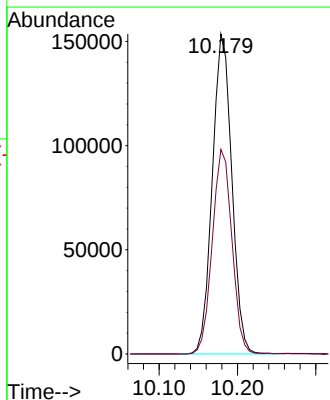
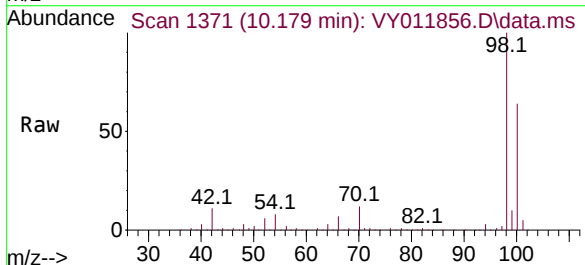
Instrument :
MSVOA_Y
ClientSampleId :
RB-33-(2-4)

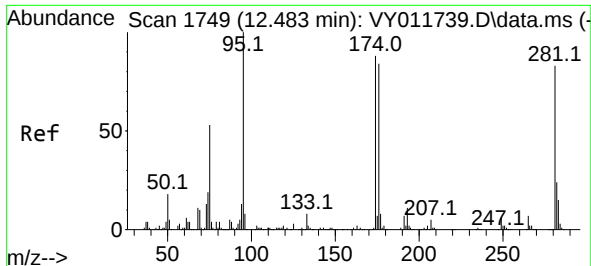
Tgt Ion:117 Resp: 25007
Ion Ratio Lower Upper
117 100
119 6.0 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 40.254 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011856.D
Acq: 14 Dec 2022 19:20

Tgt Ion: 98 Resp: 265531
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9

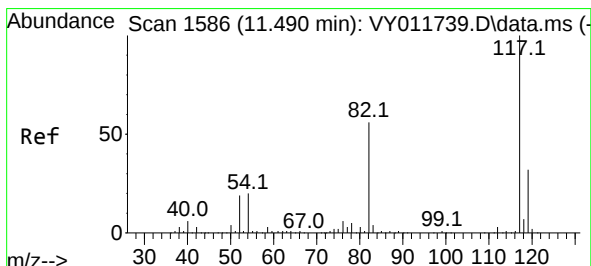
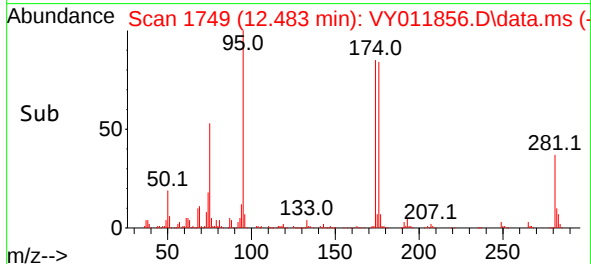
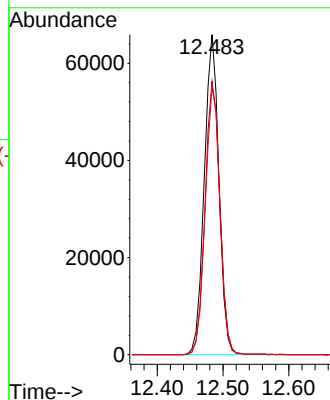
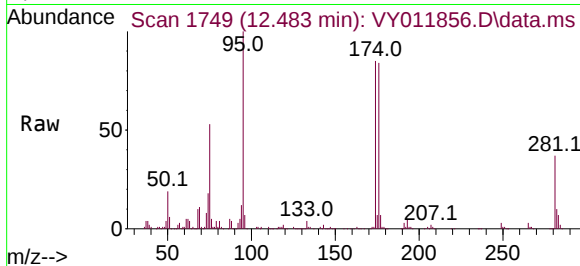




#62
4-Bromofluorobenzene
Concen: 38.947 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011856.D
Acq: 14 Dec 2022 19:20

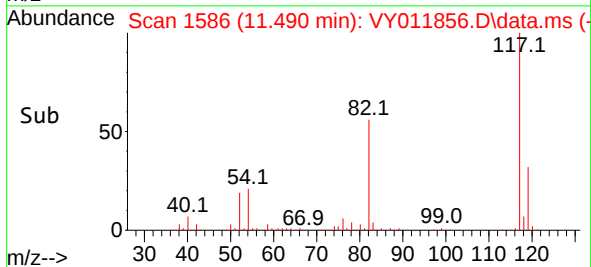
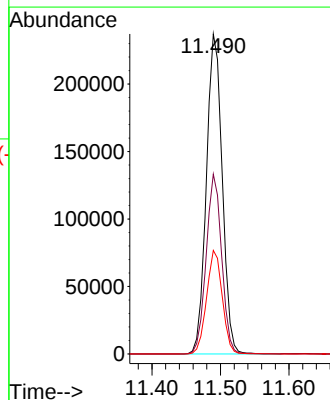
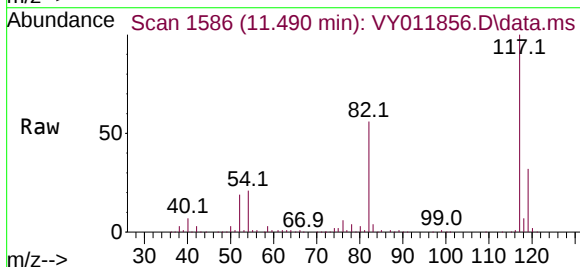
Instrument :
MSVOA_Y
ClientSampleId :
RB-33-(2-4)

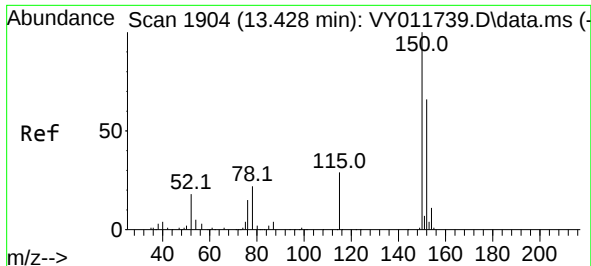
Tgt Ion: 95 Resp: 101637
Ion Ratio Lower Upper
95 100
174 87.1 0.0 172.0
176 84.7 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011856.D
Acq: 14 Dec 2022 19:20

Tgt Ion: 117 Resp: 382041
Ion Ratio Lower Upper
117 100
82 56.2 44.8 67.2
119 32.3 25.4 38.2

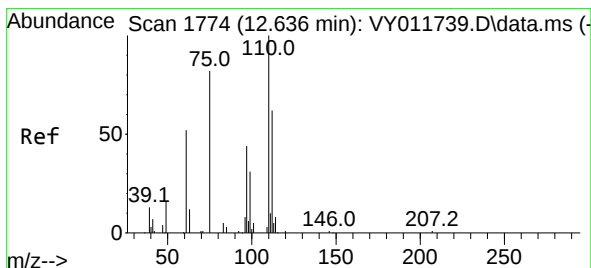
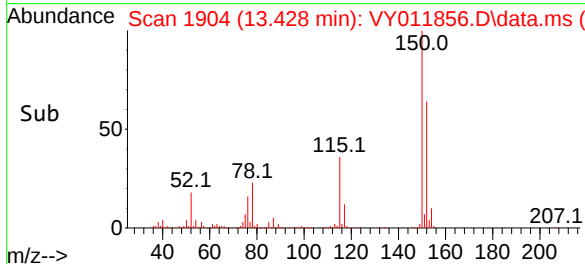
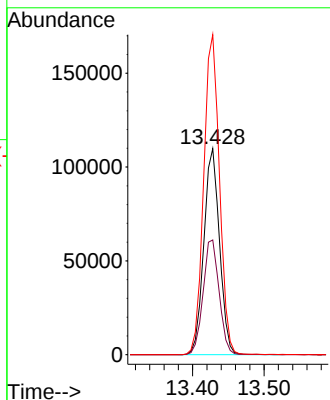
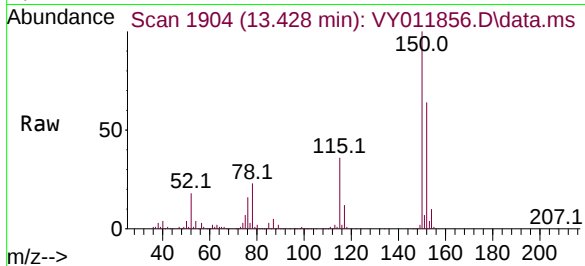




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY011856.D
 Acq: 14 Dec 2022 19:20

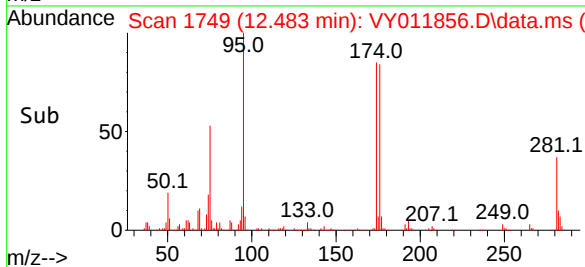
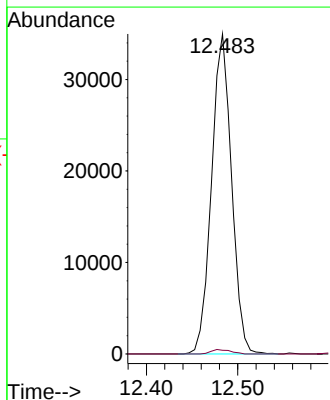
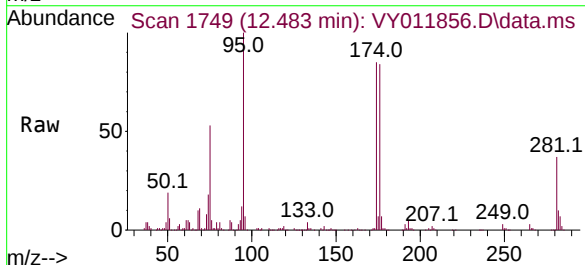
Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-33-(2-4)

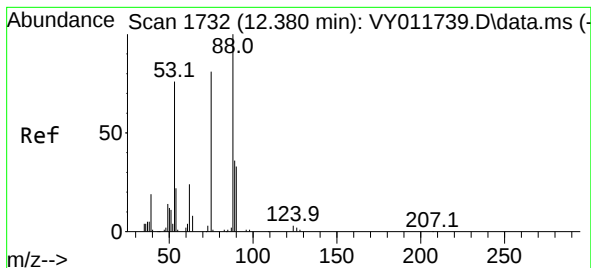
Tgt Ion:152 Resp: 167031
 Ion Ratio Lower Upper
 152 100
 115 57.0 29.1 87.3
 150 156.5 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 31.448 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY011856.D
 Acq: 14 Dec 2022 19:20

Tgt Ion: 75 Resp: 53145
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 71.363 ug/l

RT: 12.483 min Scan# 11

Delta R.T. 0.104 min

Lab File: VY011856.D

Acq: 14 Dec 2022 19:20

Instrument :

MSVOA_Y

ClientSampleId :

RB-33-(2-4)

Tgt Ion: 75 Resp: 53145

Ion Ratio Lower Upper

75 100

53 0.0 72.5 108.7#

89 0.8 37.0 55.4#

