

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121522\
 Data File : VY011879.D
 Acq On : 15 Dec 2022 18:00
 Operator : KP/MD
 Sample : N6038-25
 Misc : 4.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-41-(3-5)

Quant Time: Dec 16 00:15:46 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)

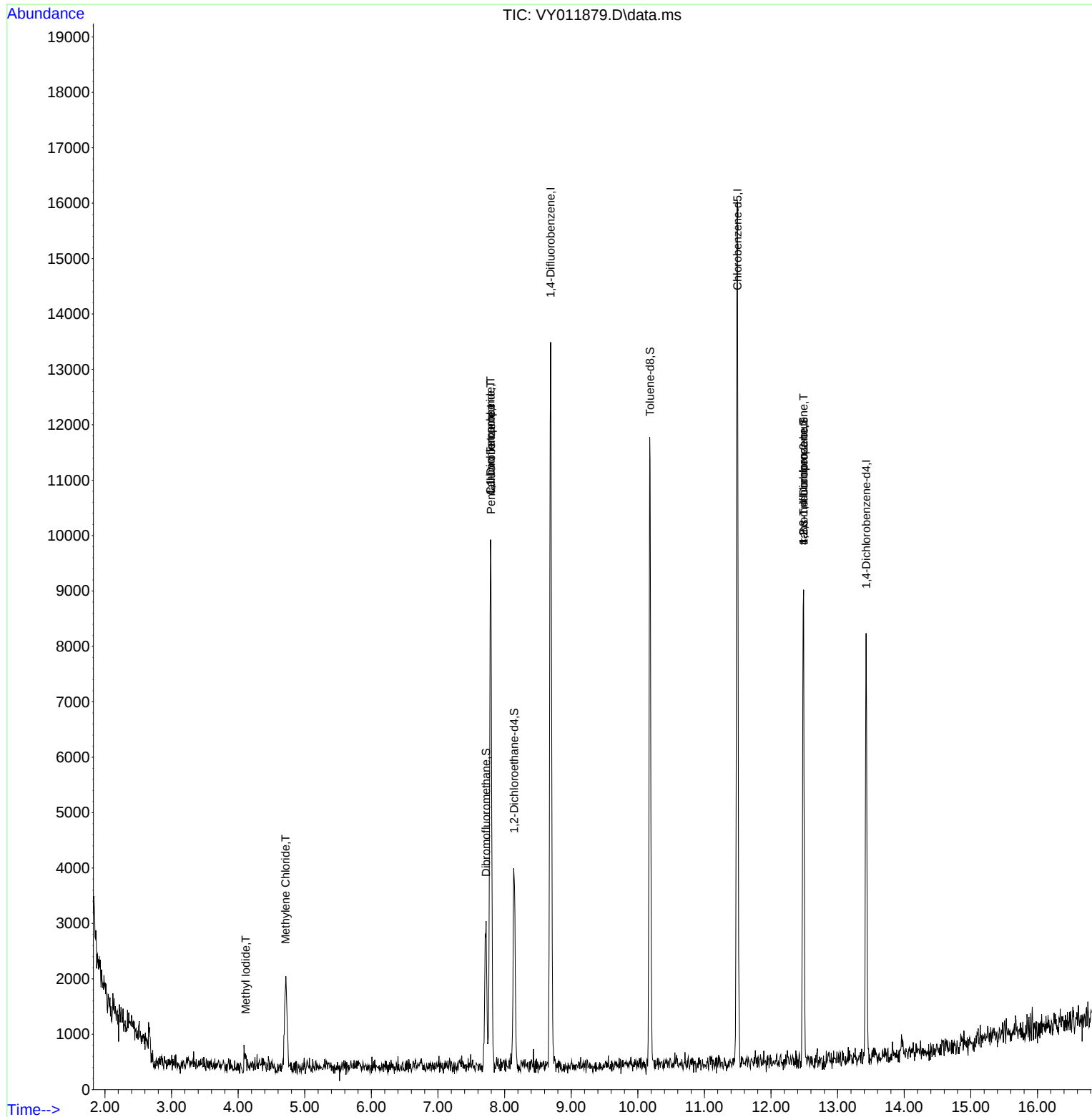
Internal Standards						
1) Pentafluorobenzene	7.795	168	7641	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	12118	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	9522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	3173	62.005	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.020%	
35) Dibromofluoromethane	7.722	113	1927	34.593	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 69.180%	
50) Toluene-d8	10.185	98	8070	45.062	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 90.120%	
62) 4-Bromofluorobenzene	12.489	95	2802	38.865	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 77.720%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.125	50	69	Below Cal	#	41
4) Vinyl Chloride	2.515	62	29	Below Cal	#	43
10) Methyl Iodide	4.113	142	351	4.781	ug/l #	60
20) Methylene Chloride	4.710	84	1292	13.055	ug/l #	74
31) Cyclohexane	7.789	56	156	Below Cal	#	37
36) 1,1-Dichloropropene	7.789	75	655	7.123	ug/l #	41
38) Carbon Tetrachloride	7.789	117	806	7.462	ug/l #	14
76) 1,2,3-Trichloropropane	12.489	75	1310	53.240	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	1310	120.813	ug/l #	13

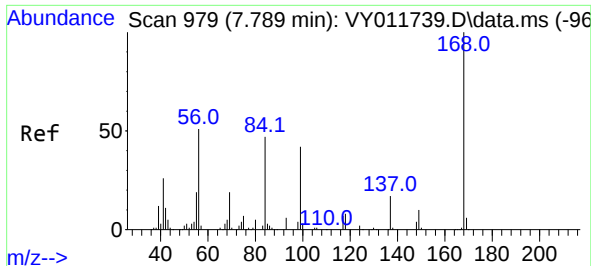
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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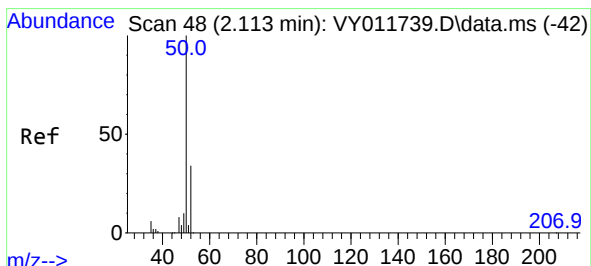
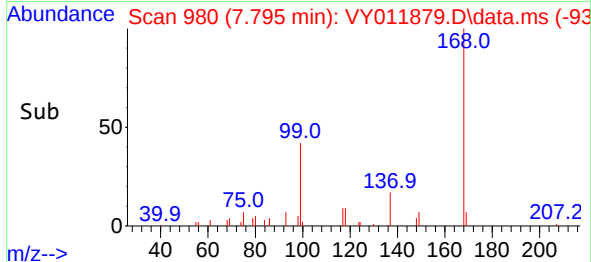
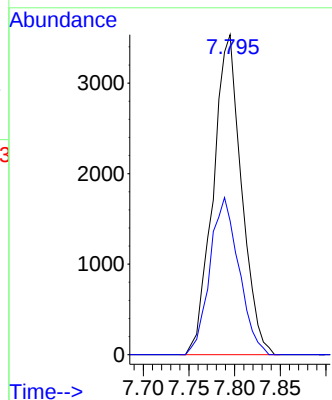
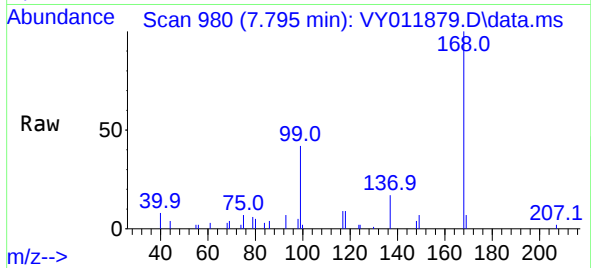




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011879.D
Acq: 15 Dec 2022 18:00

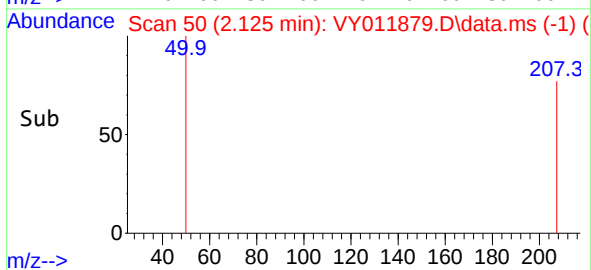
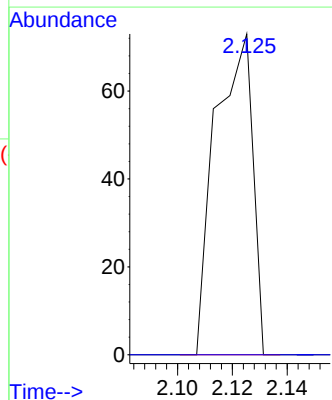
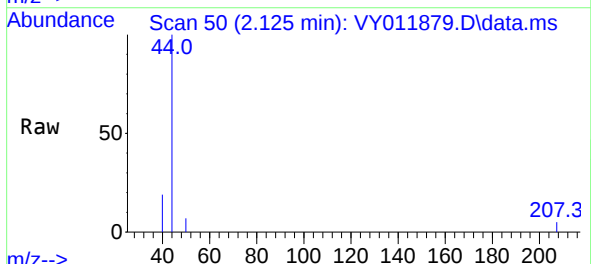
Instrument :
MSVOA_Y
ClientSampleId :
RB-41-(3-5)

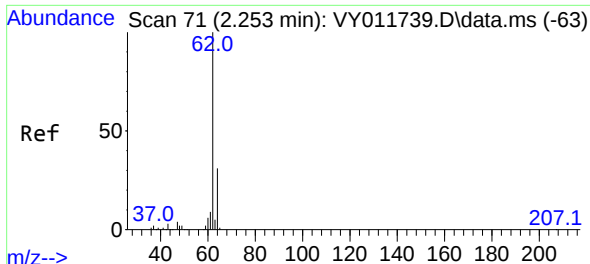
Tgt Ion:168 Resp: 7641
Ion Ratio Lower Upper
168 100
99 41.8 44.0 66.0#



#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY011879.D
Acq: 15 Dec 2022 18:00

Tgt Ion: 50 Resp: 69
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

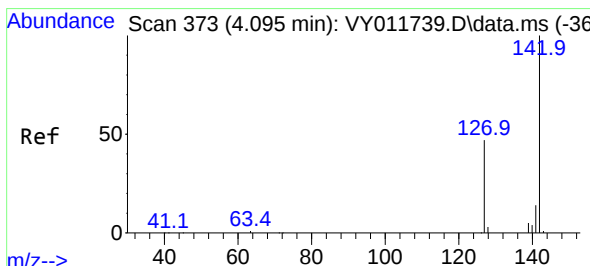
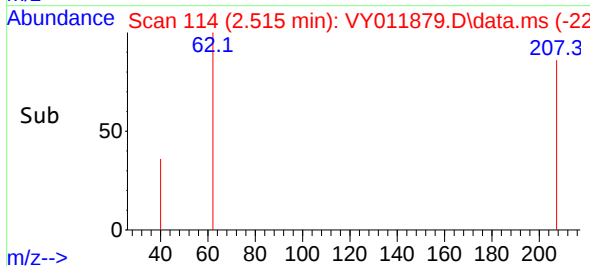
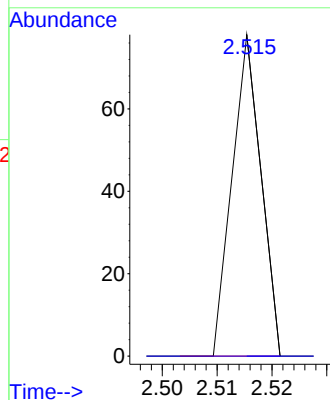
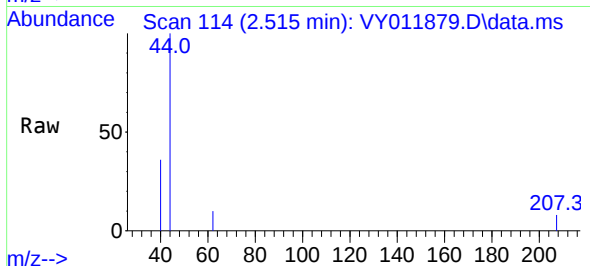




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.515 min Scan# 114
 Delta R.T. 0.262 min
 Lab File: VY011879.D
 Acq: 15 Dec 2022 18:00

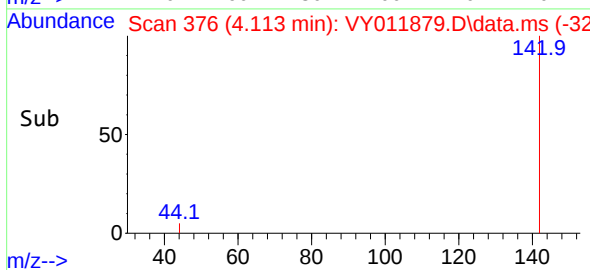
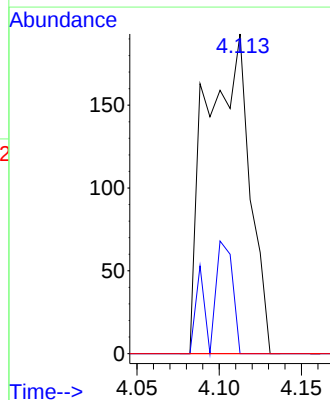
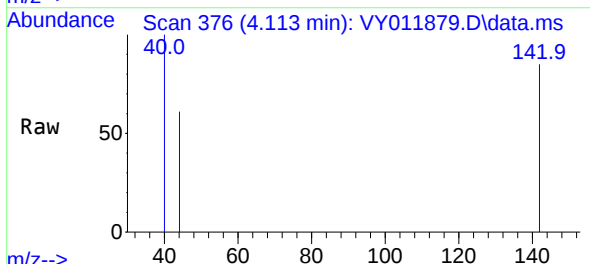
Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-41-(3-5)

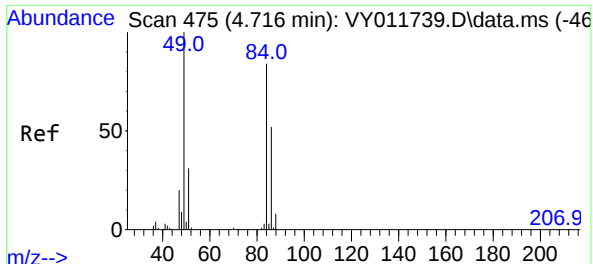
Tgt Ion: 62 Resp: 29
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#10
 Methyl Iodide
 Concen: 4.781 ug/l
 RT: 4.113 min Scan# 376
 Delta R.T. 0.018 min
 Lab File: VY011879.D
 Acq: 15 Dec 2022 18:00

Tgt Ion: 142 Resp: 351
 Ion Ratio Lower Upper
 142 100
 127 18.8 37.0 55.4#
 141 0.0 11.4 17.0#





#20

Methylene Chloride

Concen: 13.055 ug/l

RT: 4.710 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY011879.D

Acq: 15 Dec 2022 18:00

Instrument :

MSVOA_Y

ClientSampleId :

RB-41-(3-5)

Tgt Ion: 84 Resp: 1292

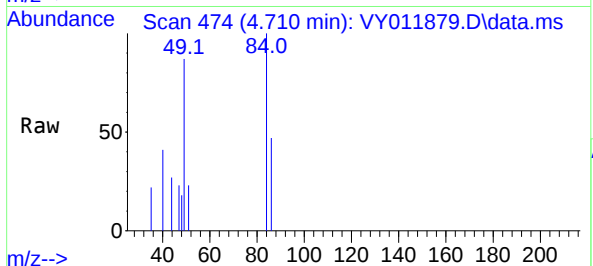
Ion Ratio Lower Upper

84 100

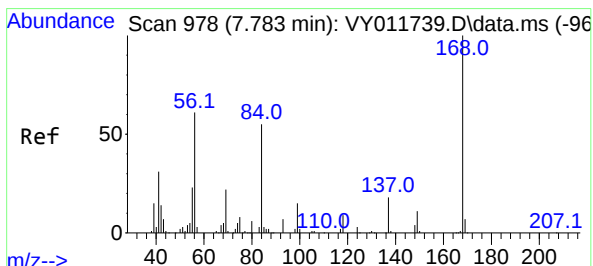
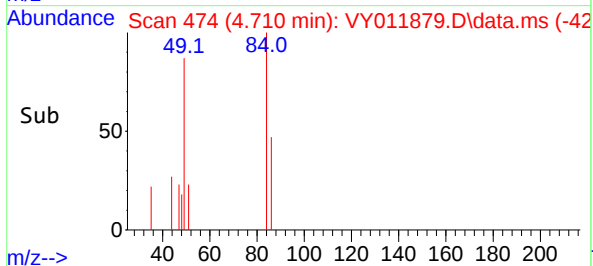
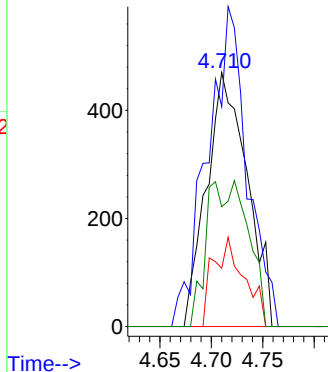
49 86.6 95.4 143.2#

51 23.0 29.9 44.9#

86 47.2 49.6 74.4#



Abundance



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY011879.D

Acq: 15 Dec 2022 18:00

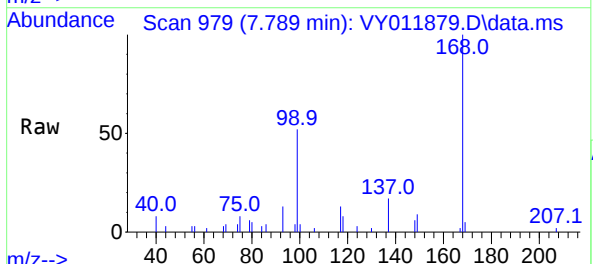
Tgt Ion: 56 Resp: 156

Ion Ratio Lower Upper

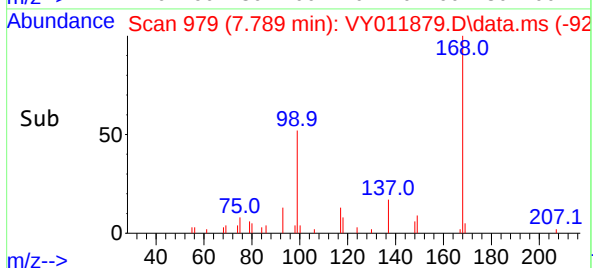
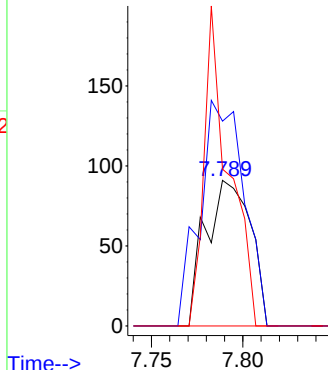
56 100

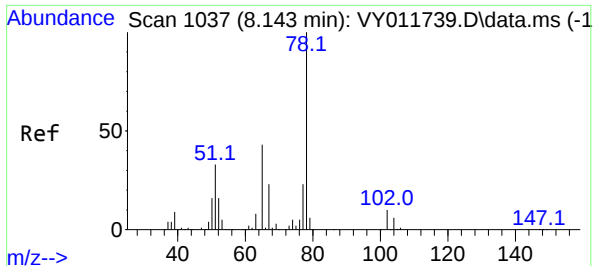
69 140.7 29.2 43.8#

84 107.7 72.6 108.8



Abundance

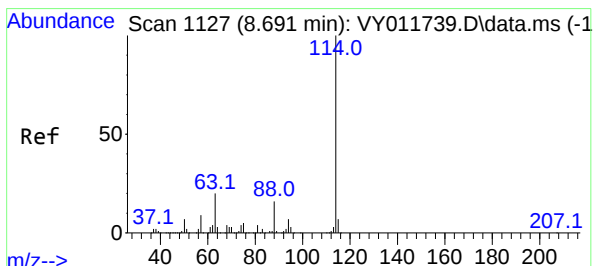
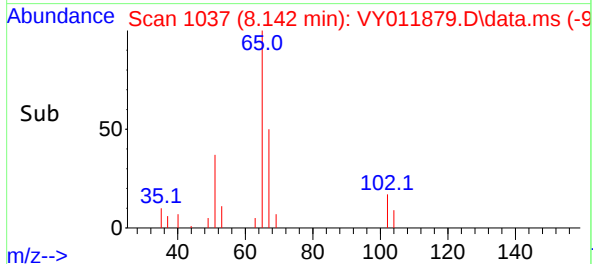
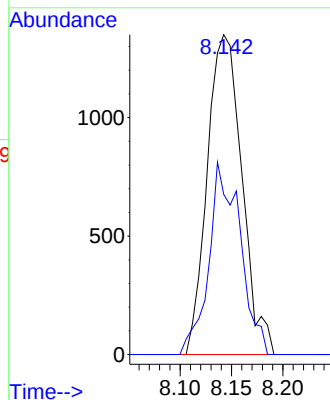
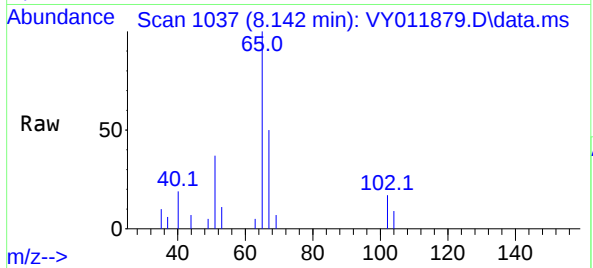




#33
1,2-Dichloroethane-d4
Concen: 62.005 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011879.D
Acq: 15 Dec 2022 18:00

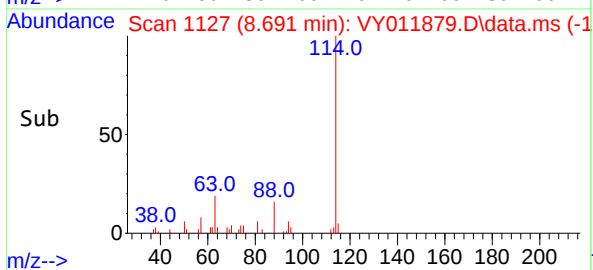
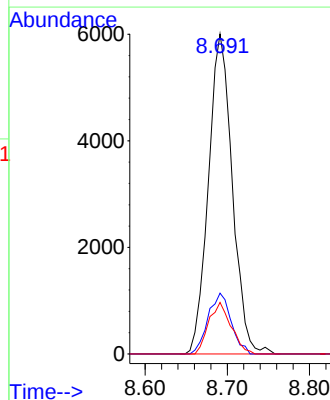
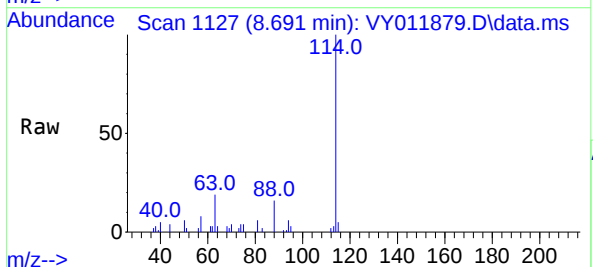
Instrument :
MSVOA_Y
ClientSampleId :
RB-41-(3-5)

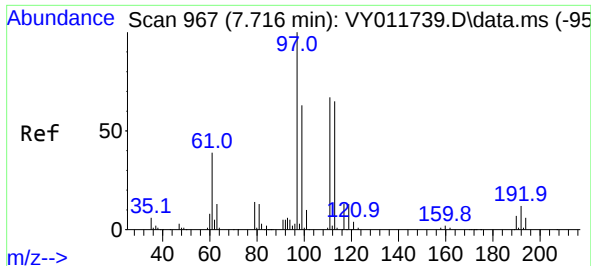
Tgt Ion: 65 Resp: 3173
Ion Ratio Lower Upper
65 100
67 54.2 0.0 103.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY011879.D
Acq: 15 Dec 2022 18:00

Tgt Ion: 114 Resp: 12118
Ion Ratio Lower Upper
114 100
63 19.0 0.0 39.6
88 16.1 0.0 32.2

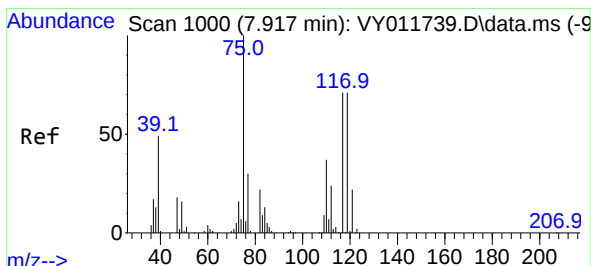
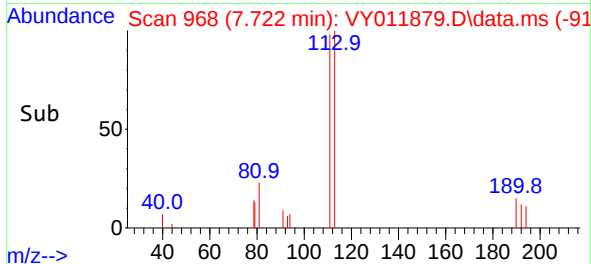
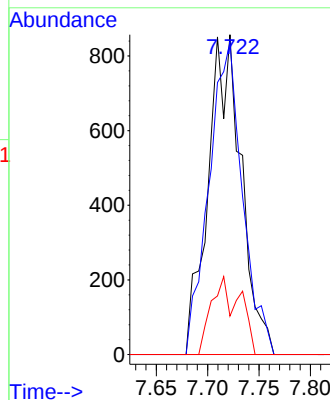
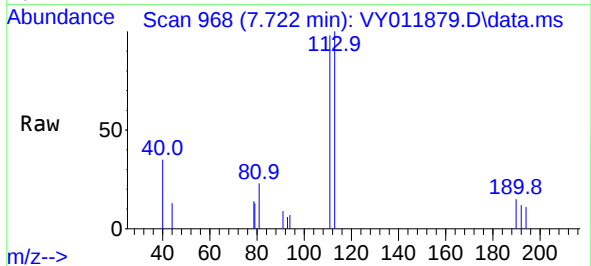




#35
Dibromofluoromethane
Concen: 34.593 ug/l
RT: 7.722 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY011879.D
Acq: 15 Dec 2022 18:00

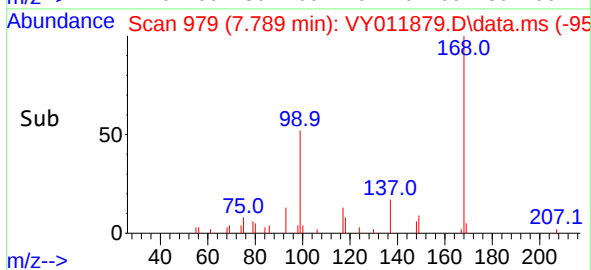
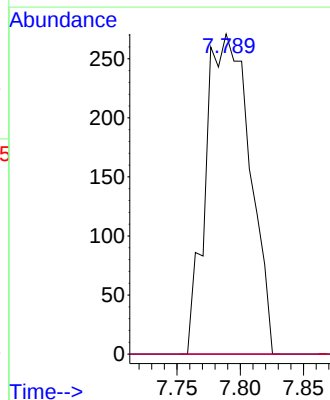
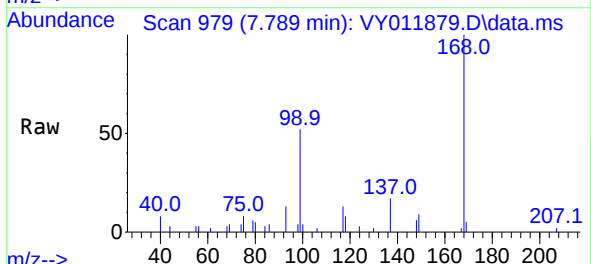
Instrument :
MSVOA_Y
ClientSampleId :
RB-41-(3-5)

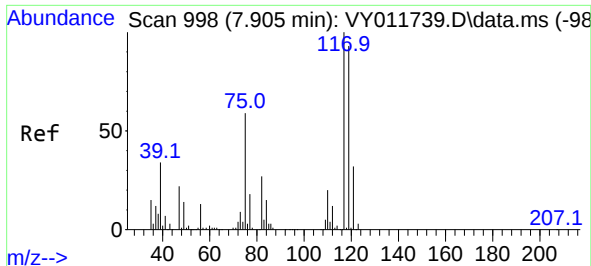
Tgt Ion:113 Resp: 1927
Ion Ratio Lower Upper
113 100
111 98.4 83.0 124.4
192 20.8 16.0 24.0



#36
1,1-Dichloropropene
Concen: 7.123 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011879.D
Acq: 15 Dec 2022 18:00

Tgt Ion: 75 Resp: 655
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.1#
77 0.0 25.1 37.7#

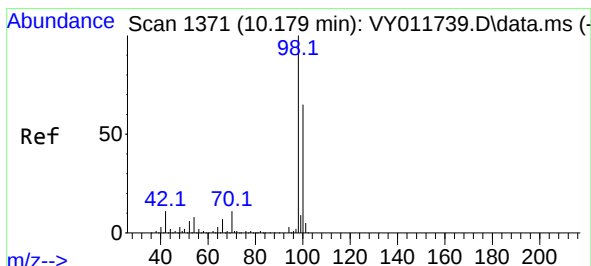
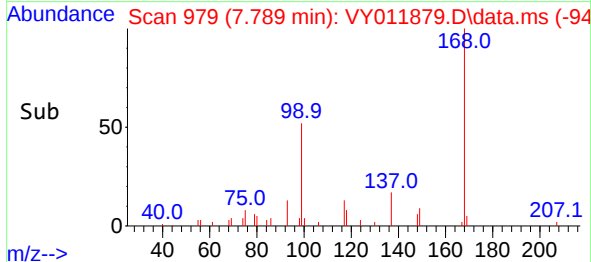
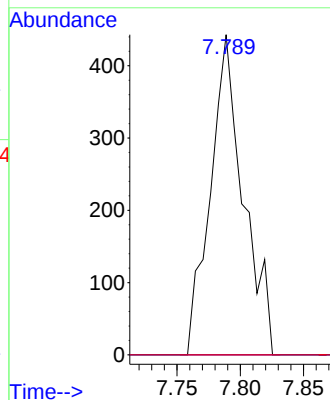
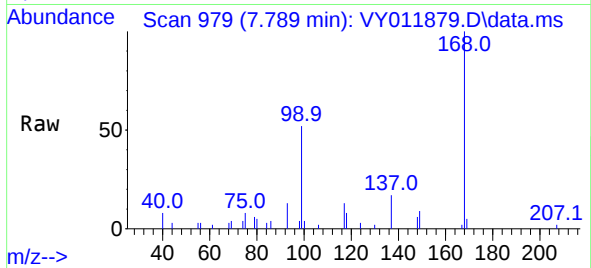




#38
Carbon Tetrachloride
Concen: 7.462 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011879.D
Acq: 15 Dec 2022 18:00

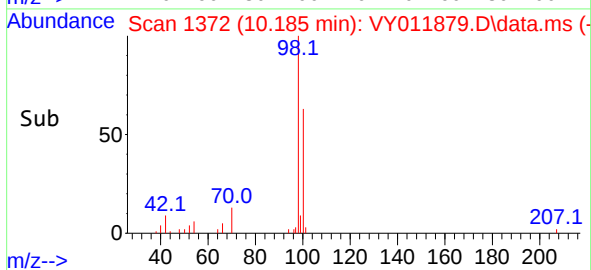
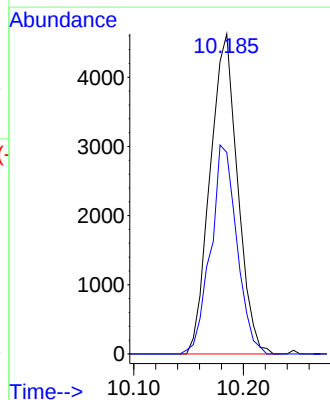
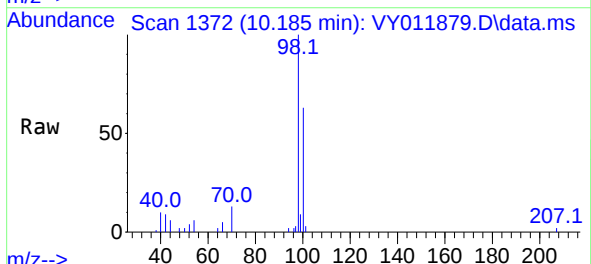
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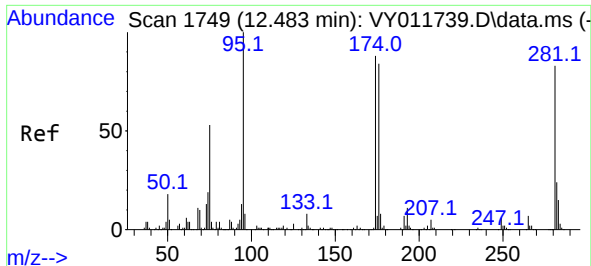
Tgt Ion:117 Resp: 806
Ion Ratio Lower Upper
117 100
119 0.0 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 45.062 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY011879.D
Acq: 15 Dec 2022 18:00

Tgt Ion: 98 Resp: 8070
Ion Ratio Lower Upper
98 100
100 62.1 51.9 77.9

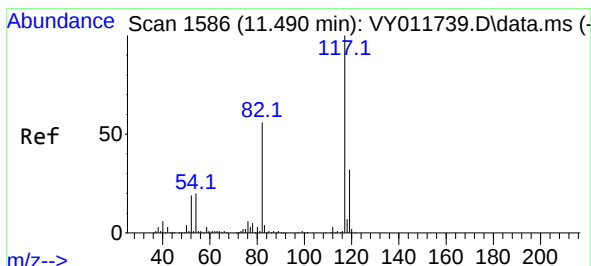
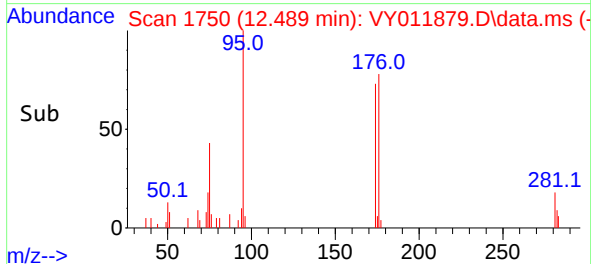
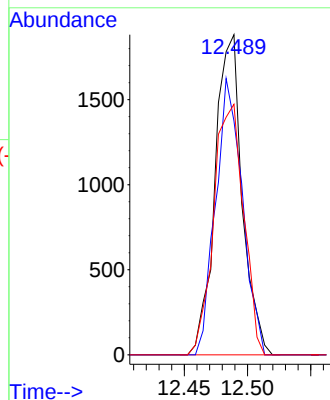
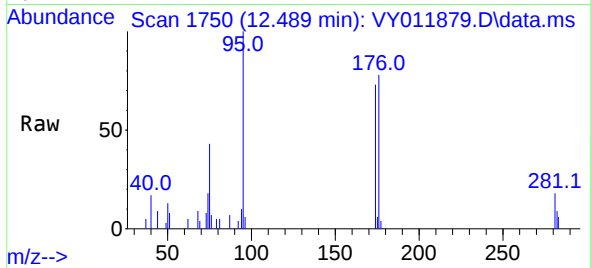




#62
4-Bromofluorobenzene
Concen: 38.865 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011879.D
Acq: 15 Dec 2022 18:00

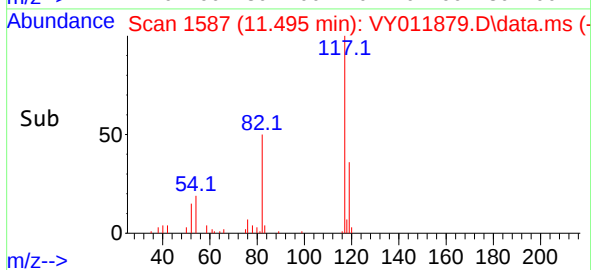
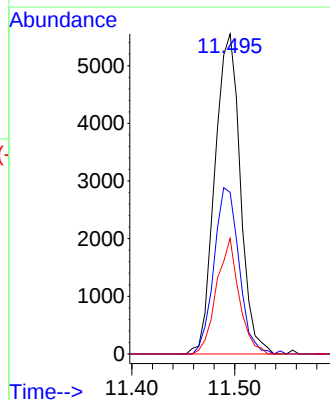
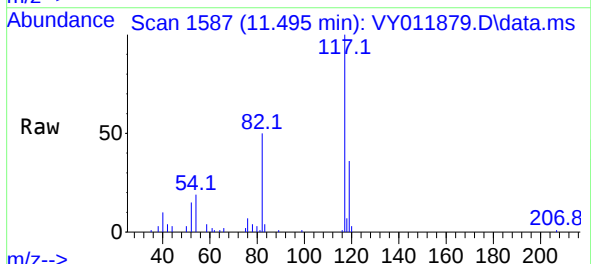
Instrument :
MSVOA_Y
ClientSampleId :
RB-41-(3-5)

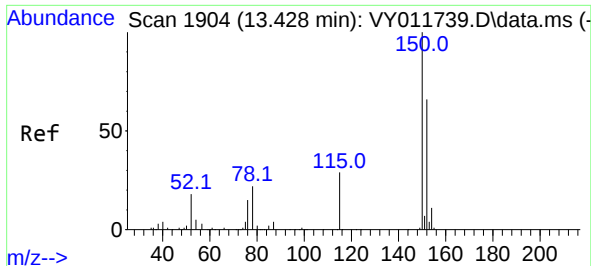
Tgt Ion:	95	Resp:	2802
Ion	Ratio	Lower	Upper
95	100		
174	85.2	0.0	172.0
176	86.4	0.0	167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY011879.D
Acq: 15 Dec 2022 18:00

Tgt Ion:	117	Resp:	9522
Ion	Ratio	Lower	Upper
117	100		
82	50.5	44.8	67.2
119	36.1	25.4	38.2

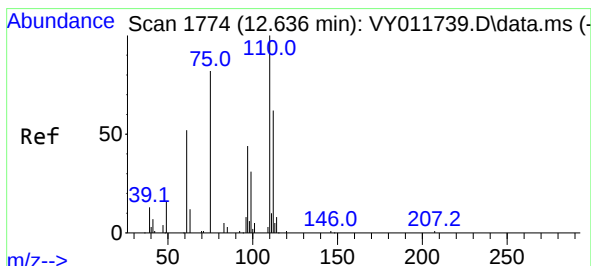
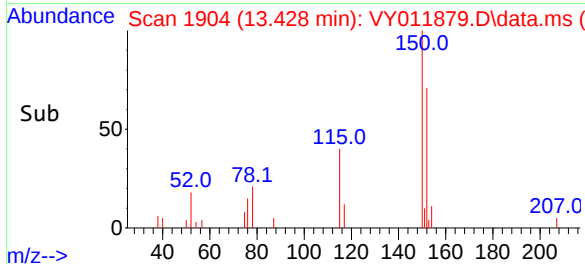
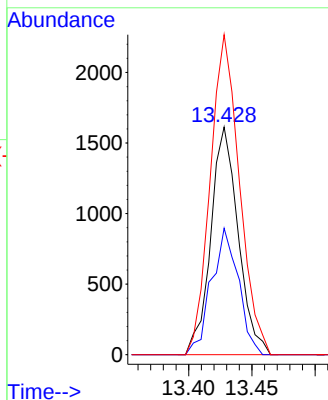
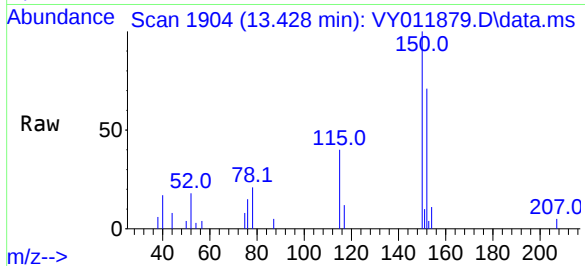




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011879.D
Acq: 15 Dec 2022 18:00

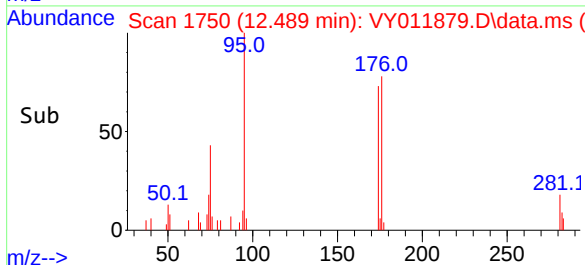
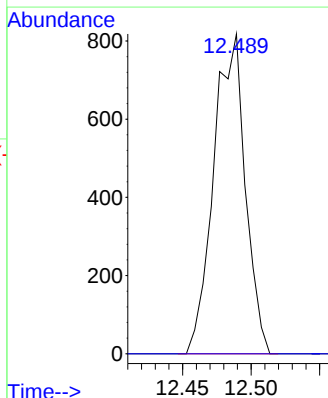
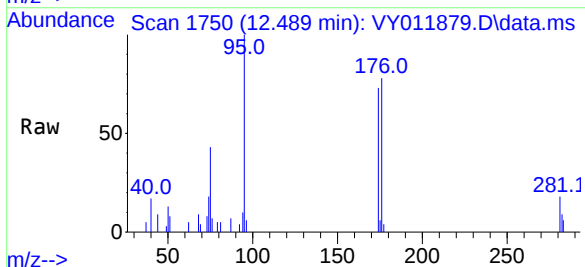
Instrument :
MSVOA_Y
ClientSampleId :
RB-41-(3-5)

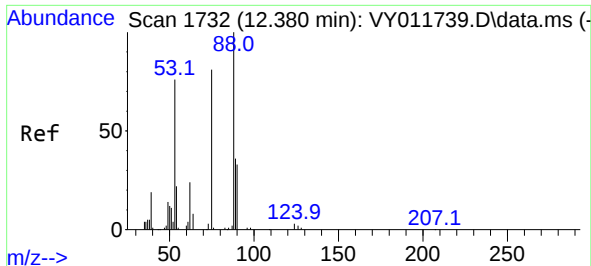
Tgt Ion:152 Resp: 2432
Ion Ratio Lower Upper
152 100
115 54.6 29.1 87.3
150 149.7 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 53.240 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY011879.D
Acq: 15 Dec 2022 18:00

Tgt Ion: 75 Resp: 1310
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
trans-1,4-Dichloro-2-butene
Concen: 120.813 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY011879.D
Acq: 15 Dec 2022 18:00

Instrument :
MSVOA_Y
ClientSampleId :
RB-41-(3-5)

Tgt Ion: 75 Resp: 1310
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

