

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072922\
 Data File : VY009782.D
 Acq On : 29 Jul 2022 19:00
 Operator : KP/MD
 Sample : N3927-19
 Misc : 3.26g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-92

Quant Time: Aug 01 01:16:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072622S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 27 04:24:58 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

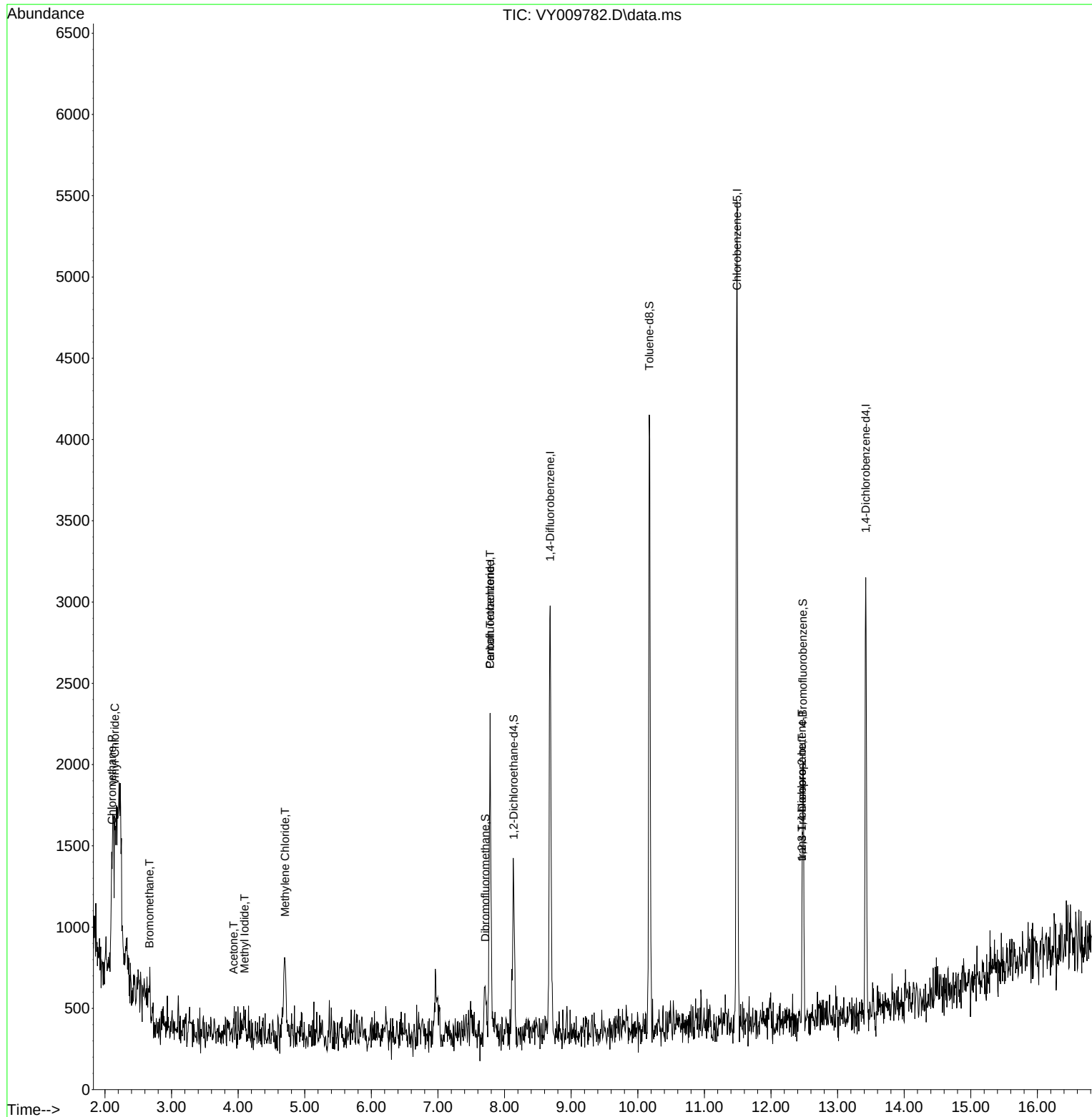
Internal Standards						
1) Pentafluorobenzene	7.783	168	1829	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	3076	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	3201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	834	70.638	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 141.280%	
35) Dibromofluoromethane	7.710	113	288	17.215	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 34.440%#	
50) Toluene-d8	10.173	98	2809	58.363	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 116.720%	
62) 4-Bromofluorobenzene	12.477	95	573	25.830	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 51.660%	
Target Compounds						Qvalue
3) Chloromethane	2.107	50	168	8.427	ug/l #	44
4) Vinyl Chloride	2.150	62	25	1.124	ug/l #	43
5) Bromomethane	2.668	94	57	3.696	ug/l #	65
10) Methyl Iodide	4.095	142	134	6.214	ug/l #	35
16) Acetone	3.930	43	97	22.181	ug/l #	47
20) Methylene Chloride	4.704	84	302	5.832	ug/l #	68
38) Carbon Tetrachloride	7.783	117	30	1.028	ug/l #	11
76) 1,2,3-Trichloropropane	12.465	75	154	17.713	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.465	75	154	35.308	ug/l #	7

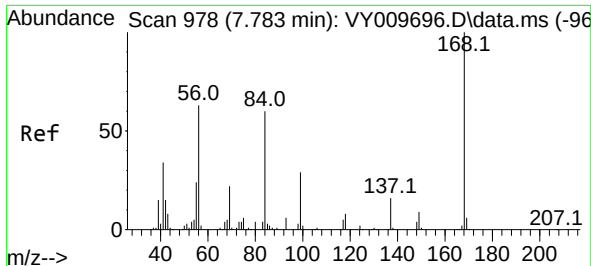
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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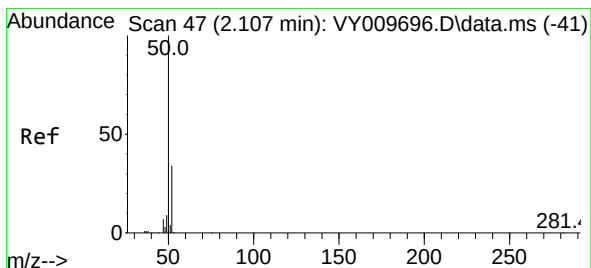
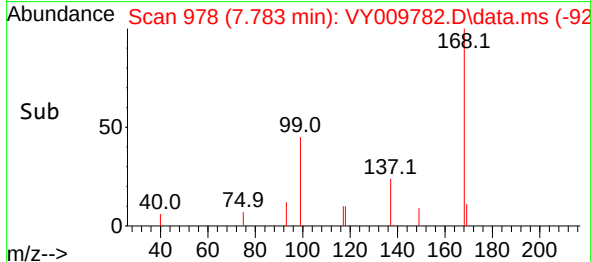
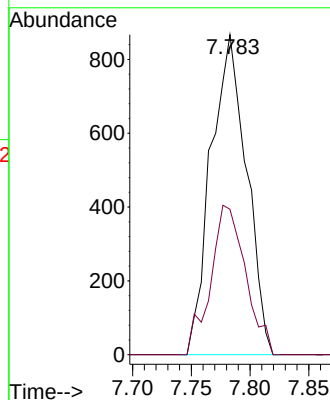
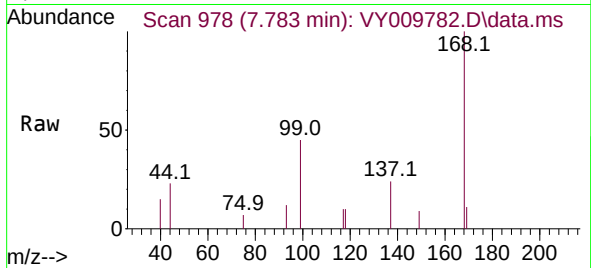




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009782.D
Acq: 29 Jul 2022 19:00

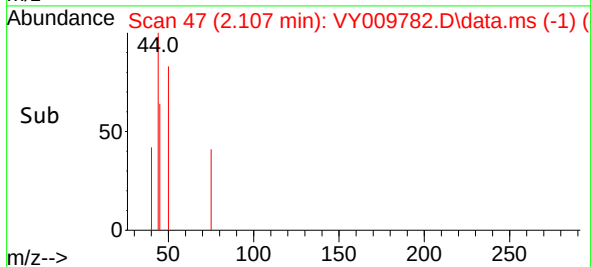
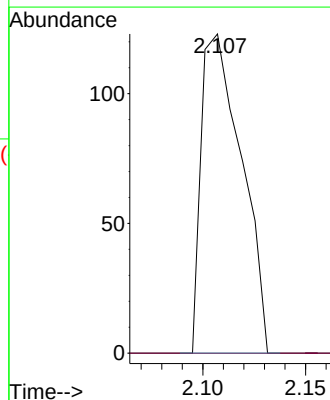
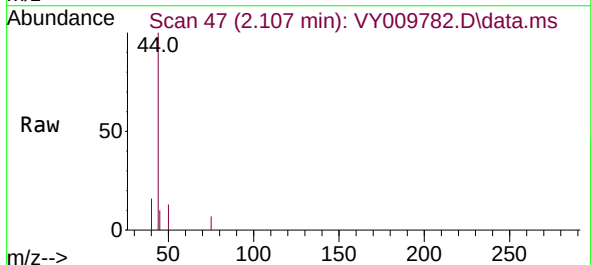
Instrument :
MSVOA_Y
ClientSampleId :
RVE-92

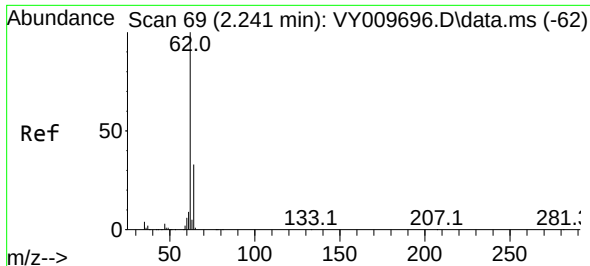
Tgt Ion:168 Resp: 1829
Ion Ratio Lower Upper
168 100
99 45.4 46.9 70.3#



#3
Chloromethane
Concen: 8.427 ug/l
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY009782.D
Acq: 29 Jul 2022 19:00

Tgt Ion: 50 Resp: 168
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

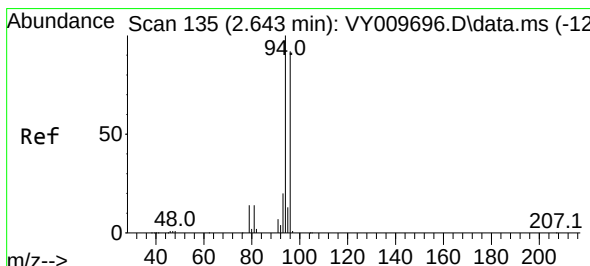
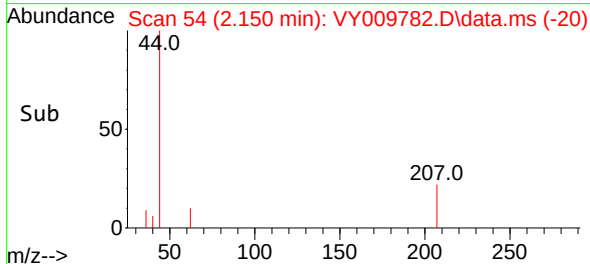
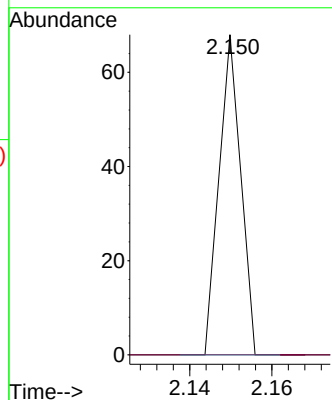
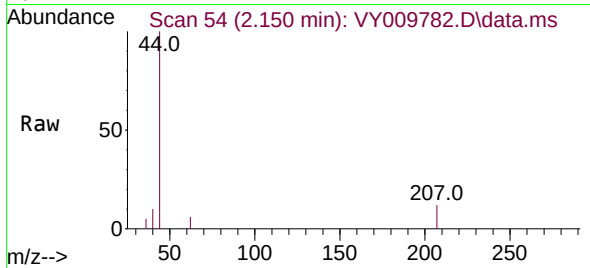




#4
 Vinyl Chloride
 Concen: 1.124 ug/l
 RT: 2.150 min Scan# 54
 Delta R.T. -0.091 min
 Lab File: VY009782.D
 Acq: 29 Jul 2022 19:00

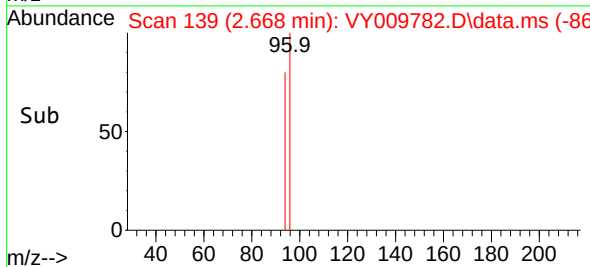
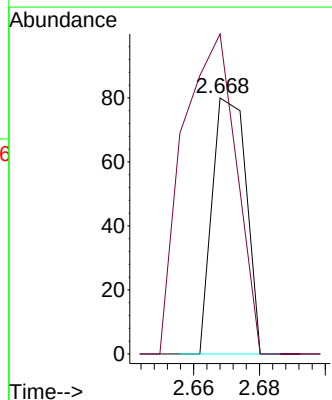
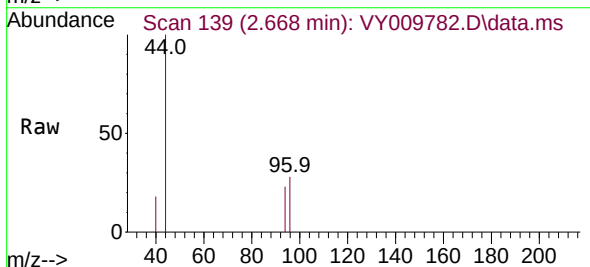
Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-92

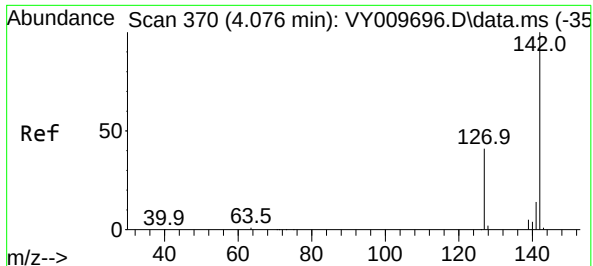
Tgt Ion: 62 Resp: 25
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: 3.696 ug/l
 RT: 2.668 min Scan# 139
 Delta R.T. 0.025 min
 Lab File: VY009782.D
 Acq: 29 Jul 2022 19:00

Tgt Ion: 94 Resp: 57
 Ion Ratio Lower Upper
 94 100
 96 125.0 73.5 110.3#

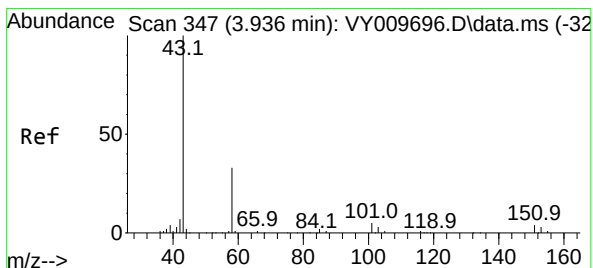
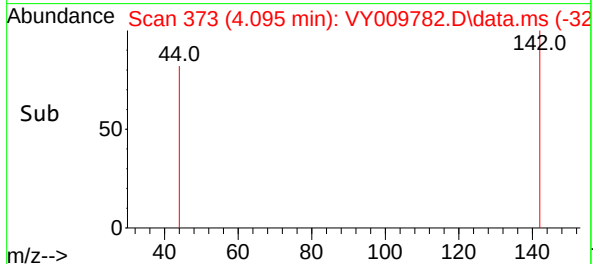
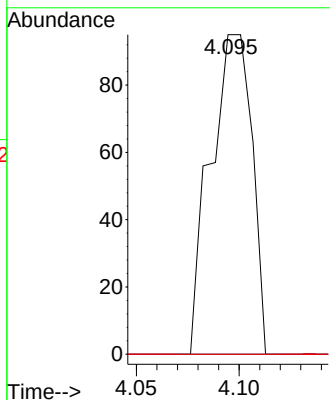
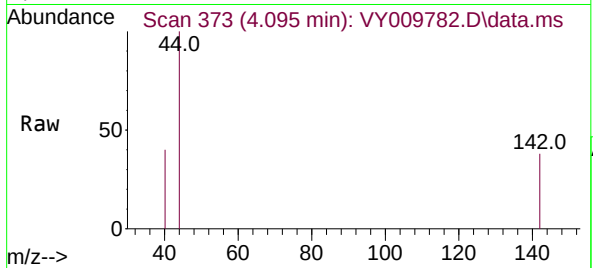




#10
Methyl Iodide
Concen: 6.214 ug/l
RT: 4.095 min Scan# 31
Delta R.T. 0.019 min
Lab File: VY009782.D
Acq: 29 Jul 2022 19:00

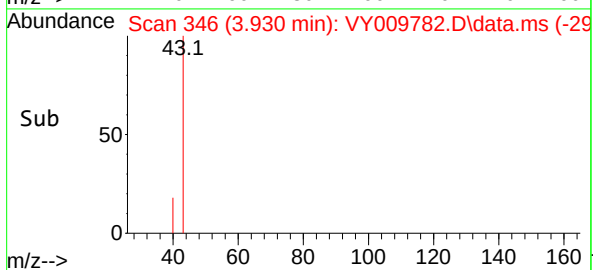
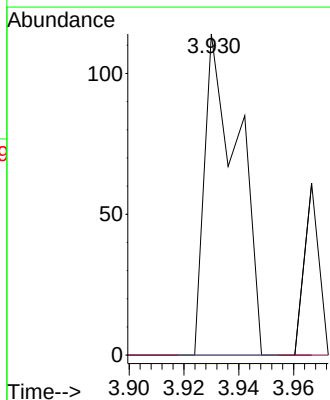
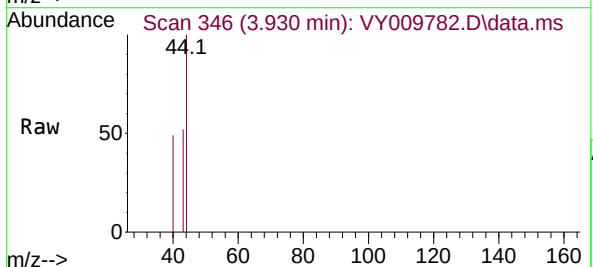
Instrument :
MSVOA_Y
ClientSampleId :
RVE-92

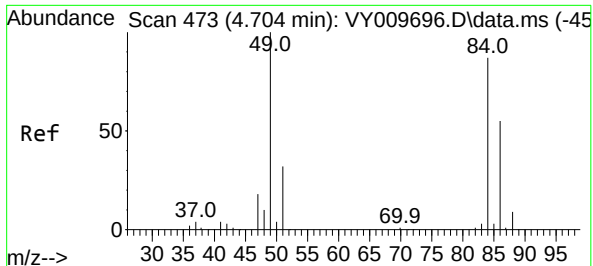
Tgt Ion:142 Resp: 134
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#



#16
Acetone
Concen: 22.181 ug/l
RT: 3.930 min Scan# 346
Delta R.T. -0.006 min
Lab File: VY009782.D
Acq: 29 Jul 2022 19:00

Tgt Ion: 43 Resp: 97
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#

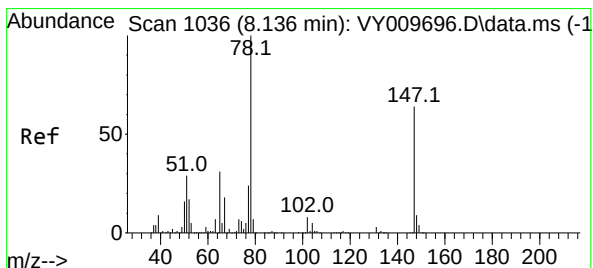
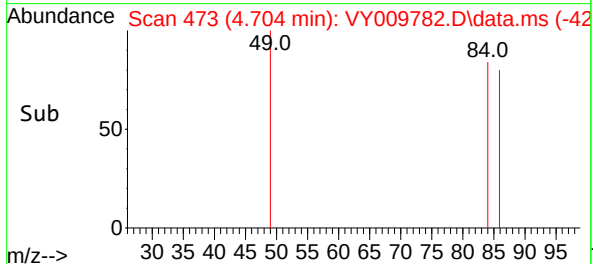
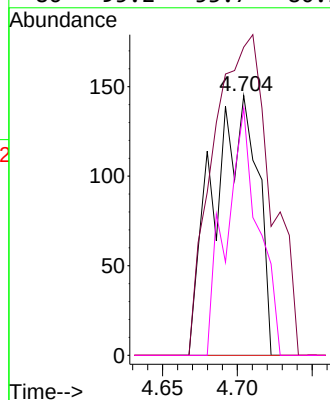
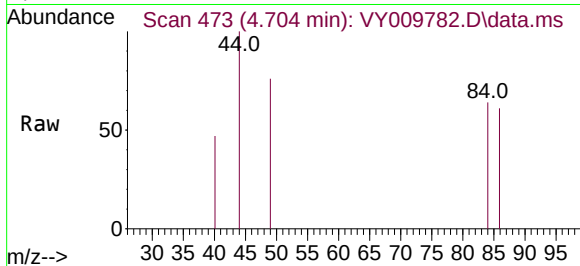




#20
Methylene Chloride
Concen: 5.832 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY009782.D
Acq: 29 Jul 2022 19:00

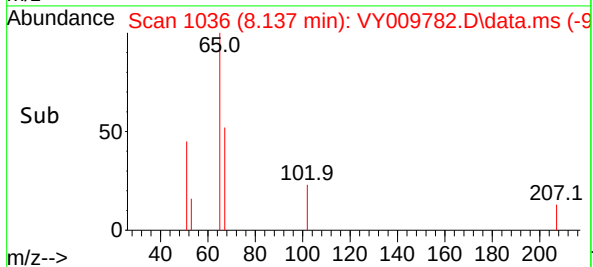
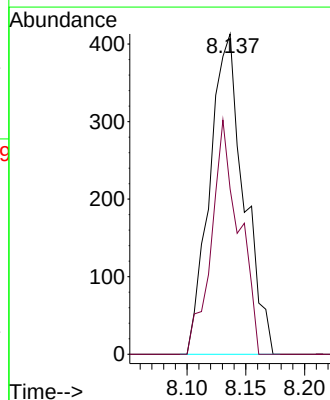
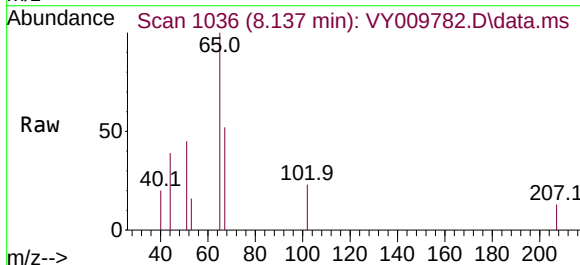
Instrument :
MSVOA_Y
ClientSampleId :
RVE-92

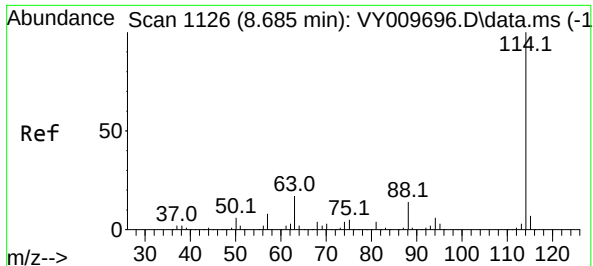
Tgt Ion:	84	Resp:	302
Ion	Ratio	Lower	Upper
84	100		
49	118.6	114.4	171.6
51	0.0	35.3	52.9#
86	95.2	53.7	80.5#



#33
1,2-Dichloroethane-d4
Concen: 70.638 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY009782.D
Acq: 29 Jul 2022 19:00

Tgt Ion:	65	Resp:	834
Ion	Ratio	Lower	Upper
65	100		
67	59.1	0.0	99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009782.D

Acq: 29 Jul 2022 19:00

Instrument :

MSVOA_Y

ClientSampleId :

RVE-92

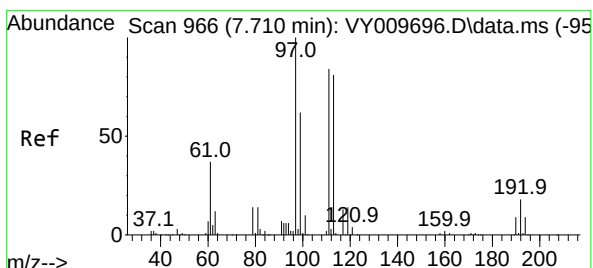
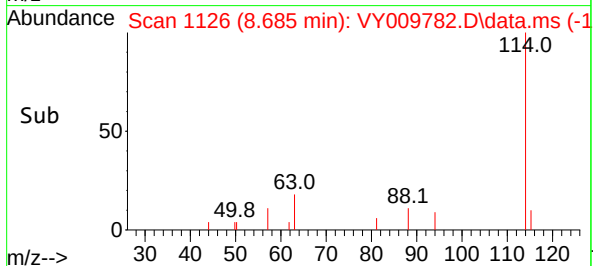
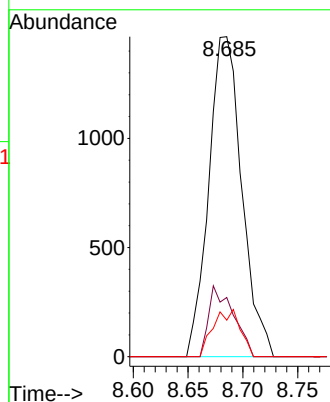
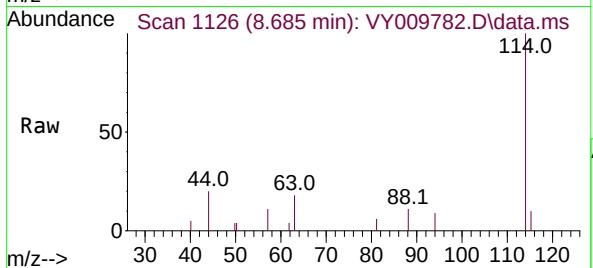
Tgt Ion:114 Resp: 3076

Ion Ratio Lower Upper

114 100

63 18.5 0.0 43.2

88 11.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 17.215 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009782.D

Acq: 29 Jul 2022 19:00

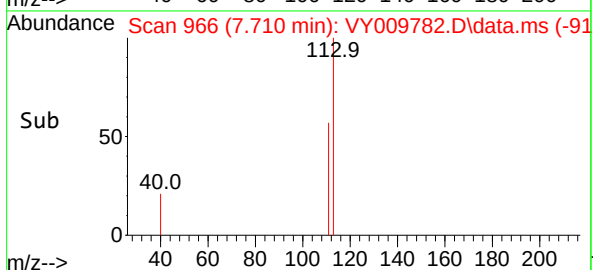
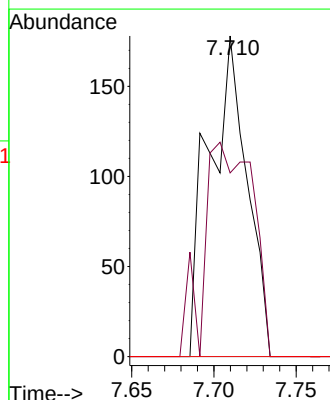
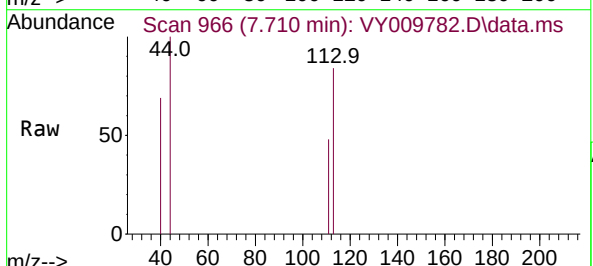
Tgt Ion:113 Resp: 288

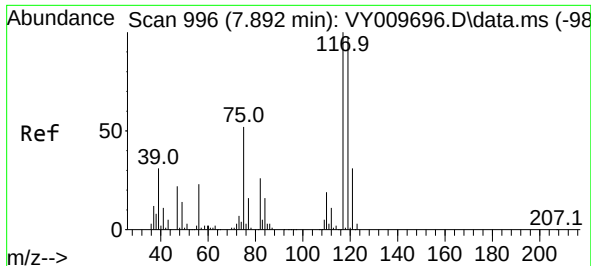
Ion Ratio Lower Upper

113 100

111 85.8 82.6 124.0

192 0.0 17.6 26.4#

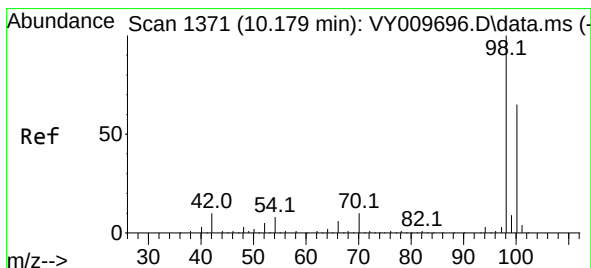
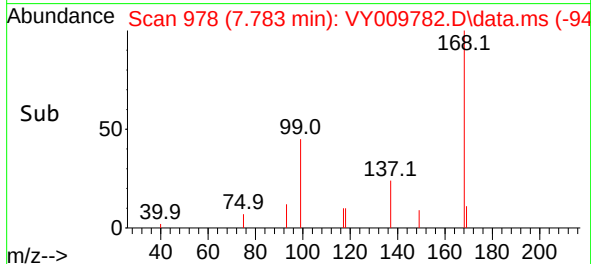
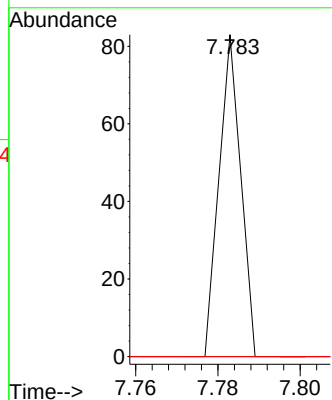
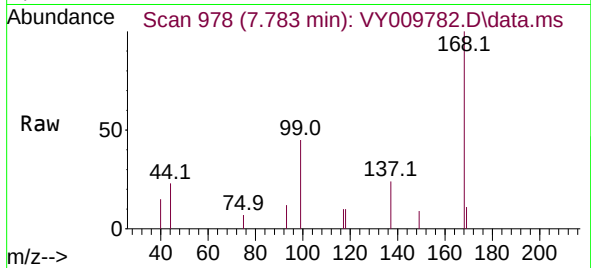




#38
Carbon Tetrachloride
Concen: 1.028 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY009782.D
Acq: 29 Jul 2022 19:00

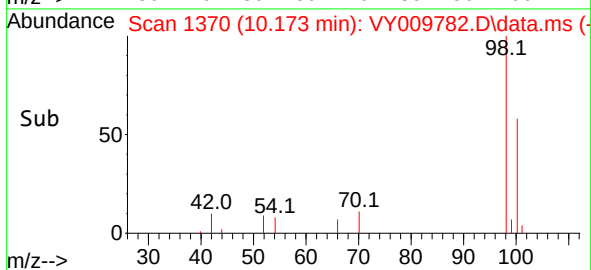
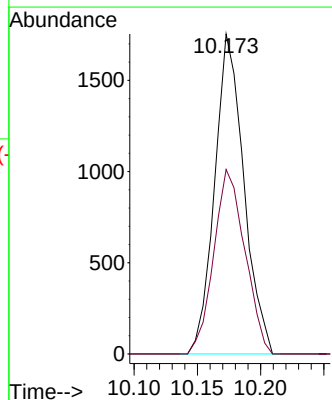
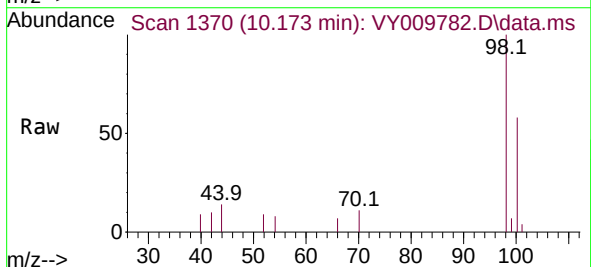
Instrument :
MSVOA_Y
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RVE-92

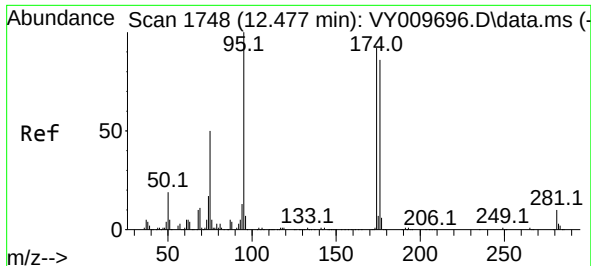
Tgt Ion:117 Resp: 30
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 58.363 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY009782.D
Acq: 29 Jul 2022 19:00

Tgt Ion: 98 Resp: 2809
Ion Ratio Lower Upper
98 100
100 61.6 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 25.830 ug/l

RT: 12.477 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY009782.D

Acq: 29 Jul 2022 19:00

Instrument :

MSVOA_Y

ClientSampleId :

RVE-92

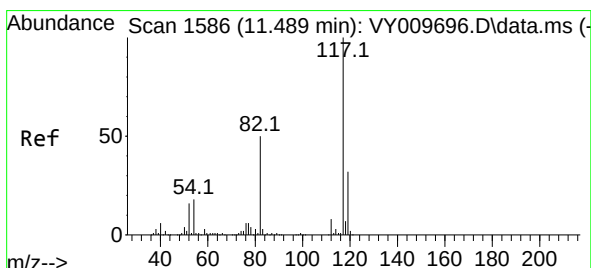
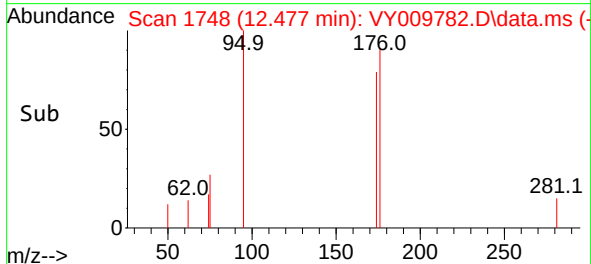
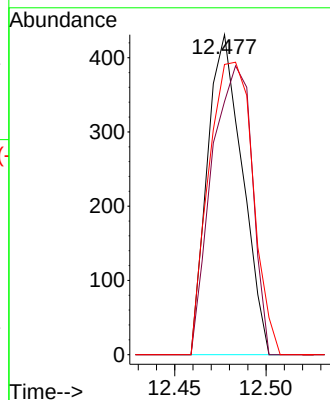
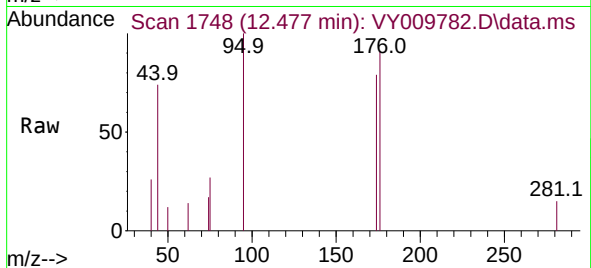
Tgt Ion: 95 Resp: 573

Ion Ratio Lower Upper

95 100

174 104.2 0.0 177.0

176 115.0 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. 0.001 min

Lab File: VY009782.D

Acq: 29 Jul 2022 19:00

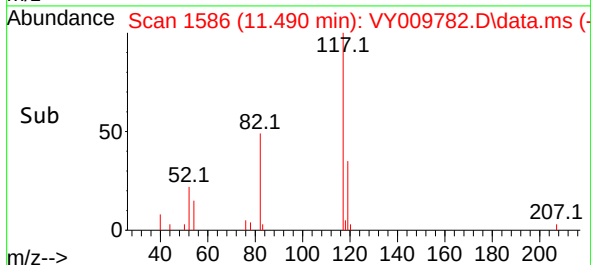
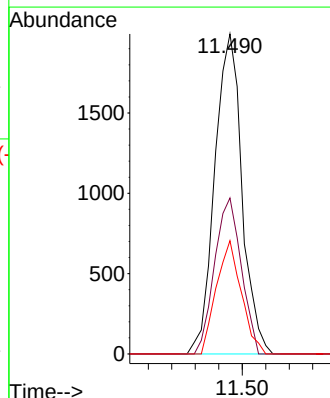
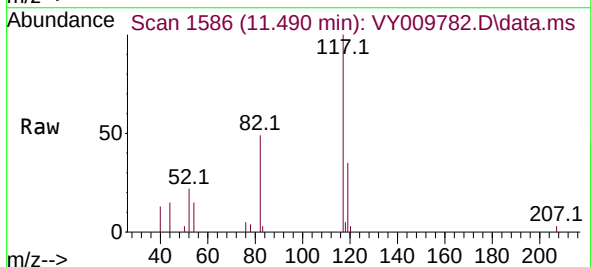
Tgt Ion: 117 Resp: 3201

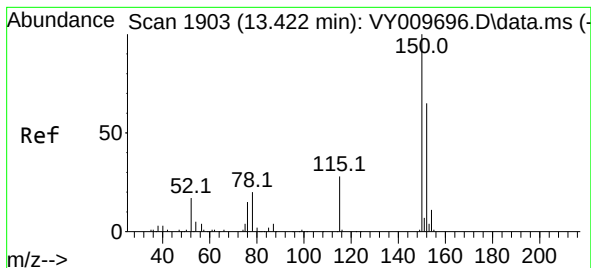
Ion Ratio Lower Upper

117 100

82 48.7 43.0 64.4

119 35.4 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY009782.D

Acq: 29 Jul 2022 19:00

Instrument :

MSVOA_Y

ClientSampleId :

RVE-92

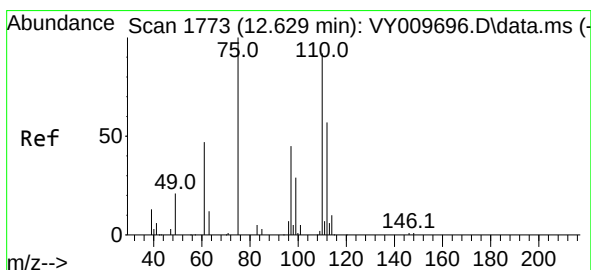
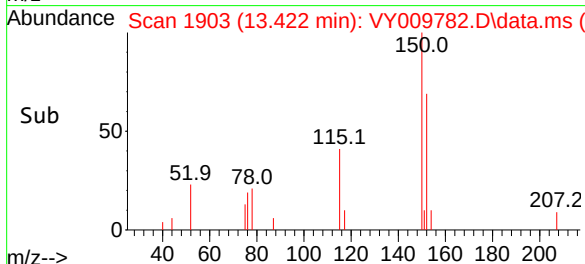
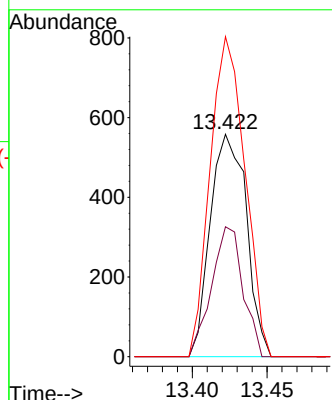
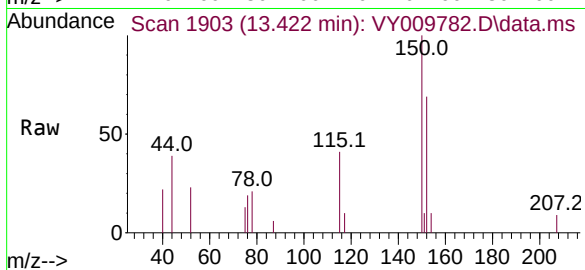
Tgt Ion:152 Resp: 936

Ion Ratio Lower Upper

152 100

115 50.9 28.2 84.7

150 139.0 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 17.713 ug/l

RT: 12.465 min Scan# 1746

Delta R.T. -0.164 min

Lab File: VY009782.D

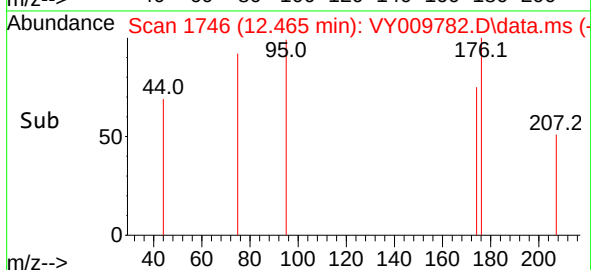
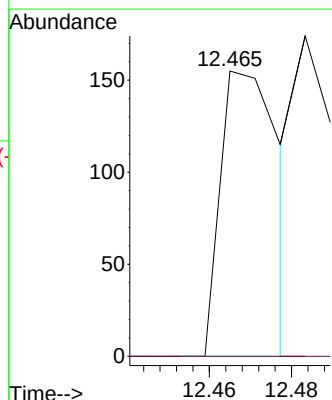
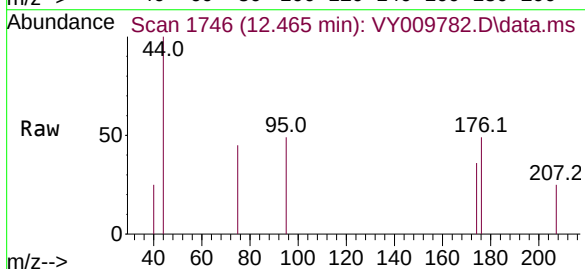
Acq: 29 Jul 2022 19:00

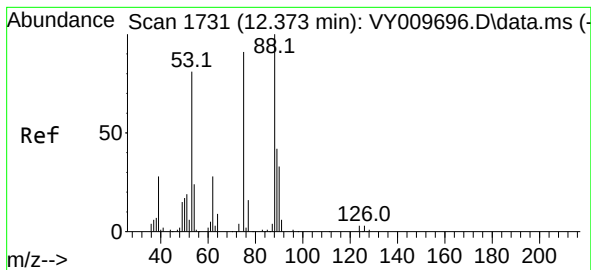
Tgt Ion: 75 Resp: 154

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 35.308 ug/l
 RT: 12.465 min Scan# 11
 Delta R.T. 0.092 min
 Lab File: VY009782.D
 Acq: 29 Jul 2022 19:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-92

Tgt Ion: 75 Resp: 154
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

