

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122222\
 Data File : VY011982.D
 Acq On : 22 Dec 2022 18:09
 Operator : KP/MD
 Sample : N6183-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 R-1

Quant Time: Dec 23 04:33:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	189069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	336478	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	313382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	138578	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	115309	60.535	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.080%
35) Dibromofluoromethane	7.716	113	106059	52.357	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.720%
50) Toluene-d8	10.179	98	408250	49.673	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.340%
62) 4-Bromofluorobenzene	12.483	95	129288	46.774	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.540%

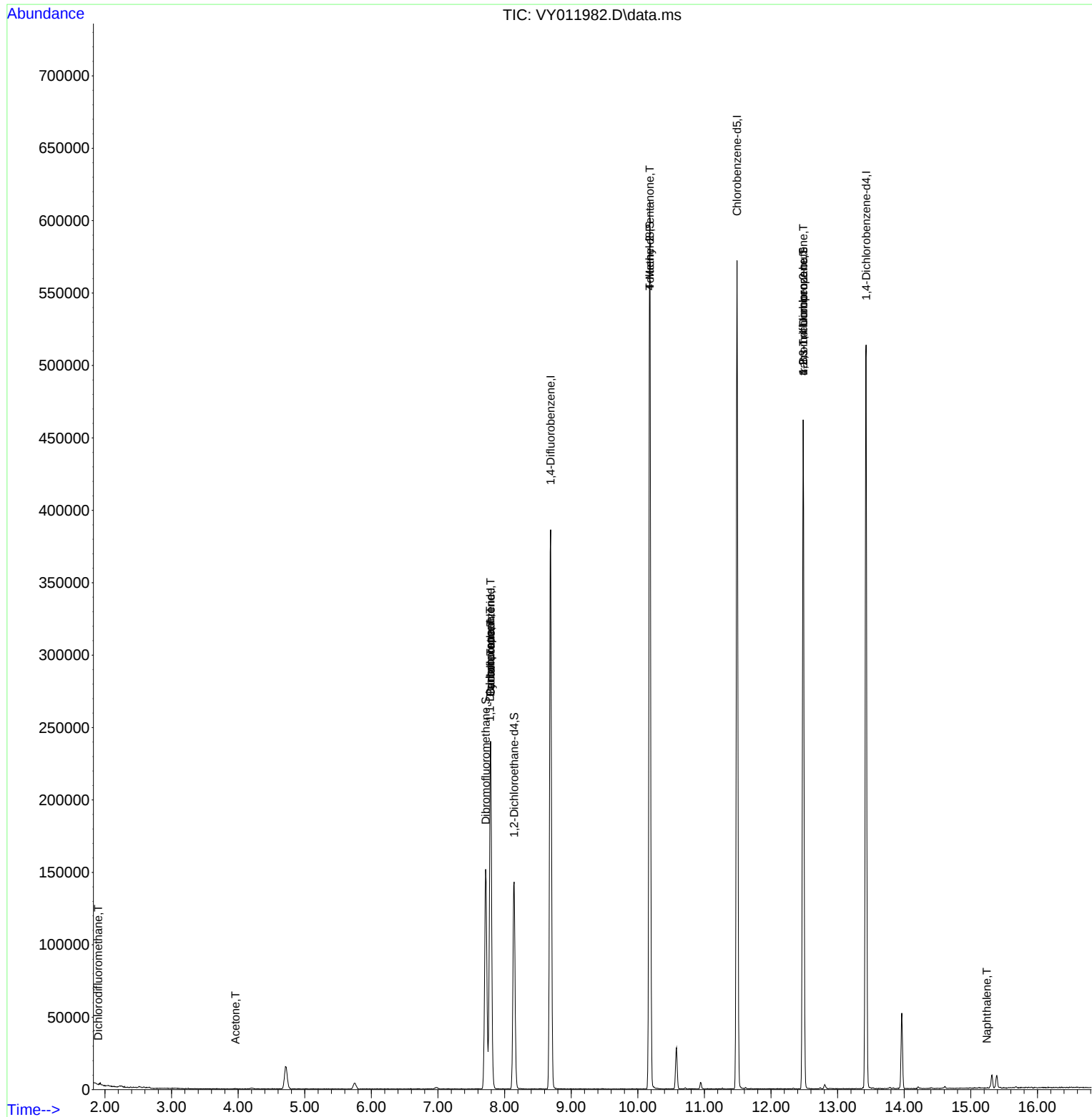
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	81	2.518	ug/l #	41
16) Acetone	3.960	43	498	5.733	ug/l #	40
20) Methylene Chloride	4.722	84	12266	Below Cal		92
31) Cyclohexane	7.789	56	3443	1.074	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	13749	4.231	ug/l #	50
38) Carbon Tetrachloride	7.789	117	18584	4.952	ug/l #	19
51) 4-Methyl-2-Pentanone	10.179	43	1426	1.004	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	66697	38.679	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	66697	105.922	ug/l #	13
95) Naphthalene	15.239	128	82	2.793	ug/l #	69

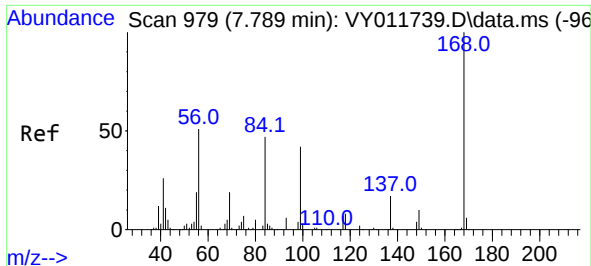
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 20 12:37:37 2022
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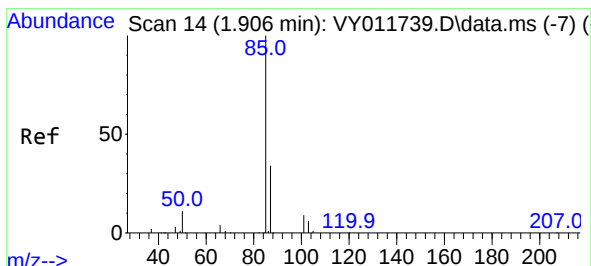
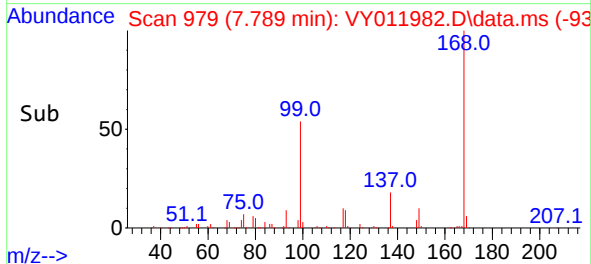
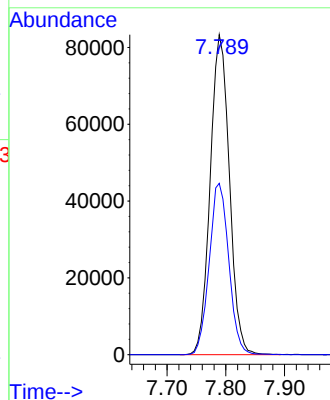
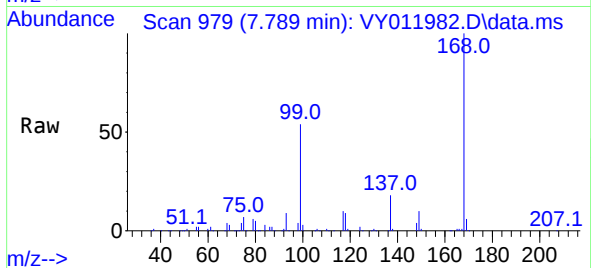




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011982.D
Acq: 22 Dec 2022 18:09

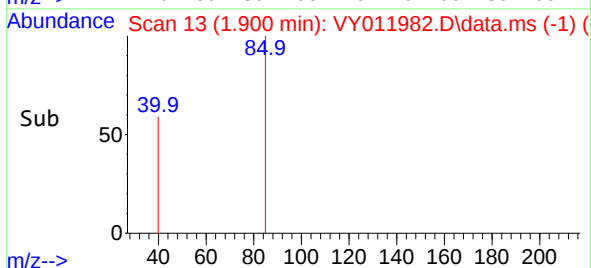
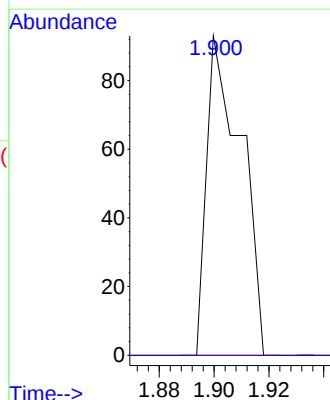
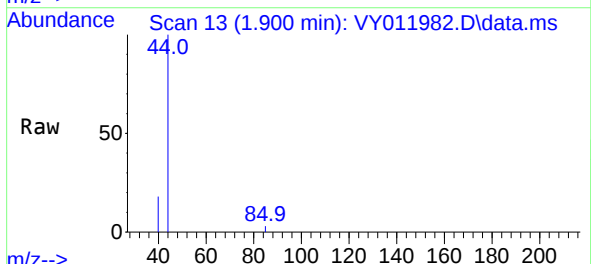
Instrument :
MSVOA_Y
ClientSampleId :
R-1

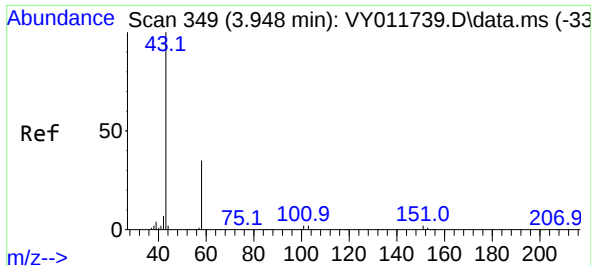
Tgt Ion:168 Resp: 189069
Ion Ratio Lower Upper
168 100
99 53.5 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.518 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011982.D
Acq: 22 Dec 2022 18:09

Tgt Ion: 85 Resp: 81
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

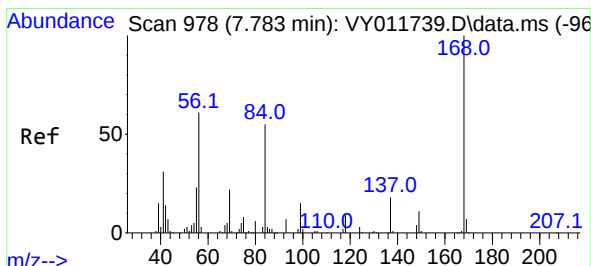
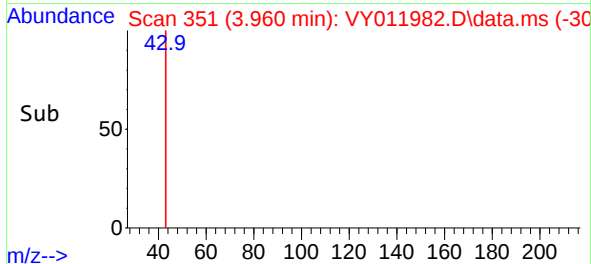
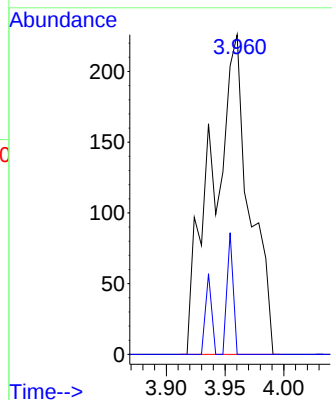
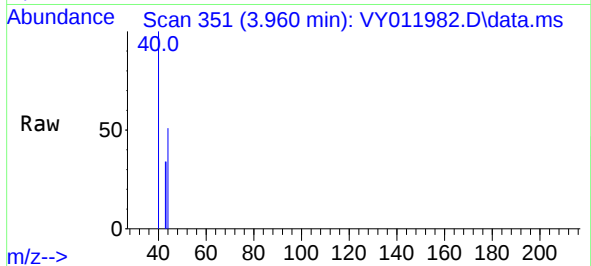




#16
Acetone
Concen: 5.733 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY011982.D
Acq: 22 Dec 2022 18:09

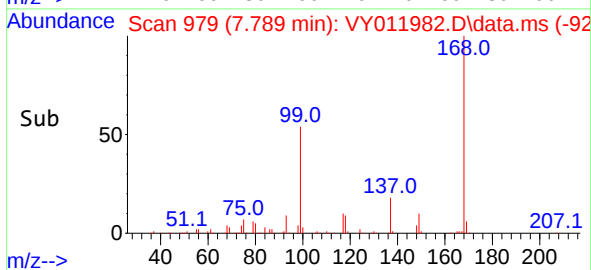
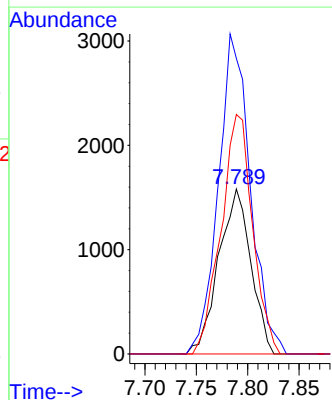
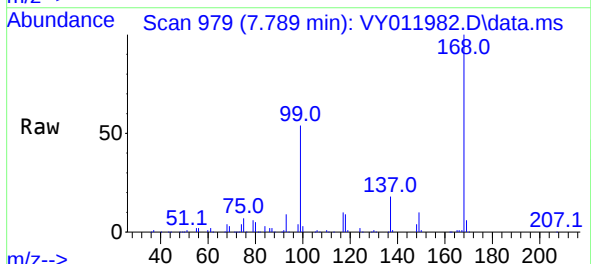
Instrument :
MSVOA_Y
ClientSampleId :
R-1

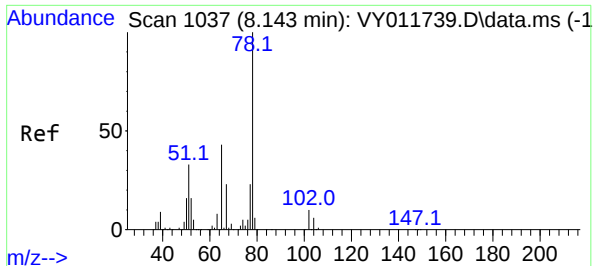
Tgt Ion: 43 Resp: 498
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#



#31
Cyclohexane
Concen: 1.074 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY011982.D
Acq: 22 Dec 2022 18:09

Tgt Ion: 56 Resp: 3443
Ion Ratio Lower Upper
56 100
69 179.1 29.2 43.8#
84 145.1 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 60.535 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011982.D

Acq: 22 Dec 2022 18:09

Instrument :

MSVOA_Y

ClientSampleId :

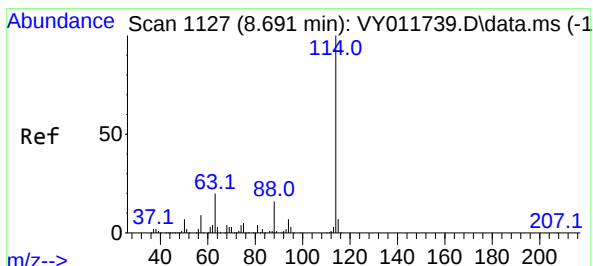
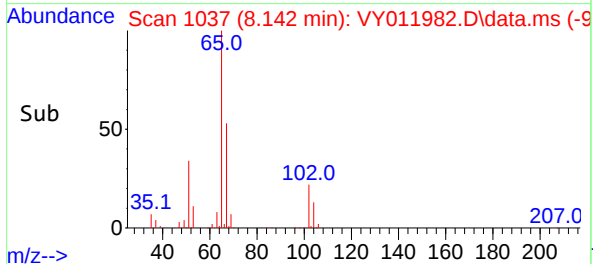
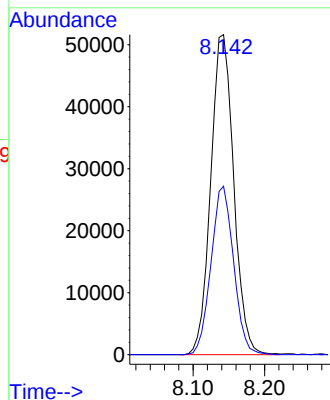
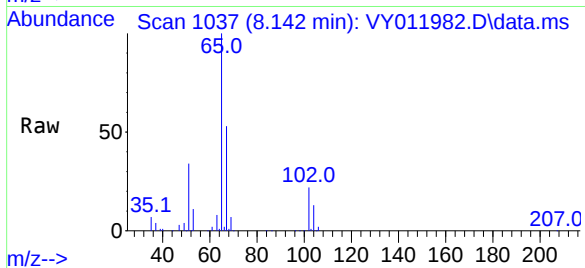
R-1

Tgt Ion: 65 Resp: 115309

Ion Ratio Lower Upper

65 100

67 51.7 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: VY011982.D

Acq: 22 Dec 2022 18:09

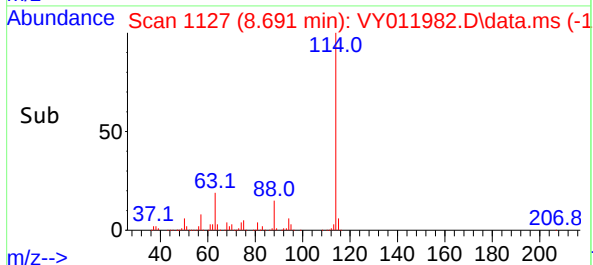
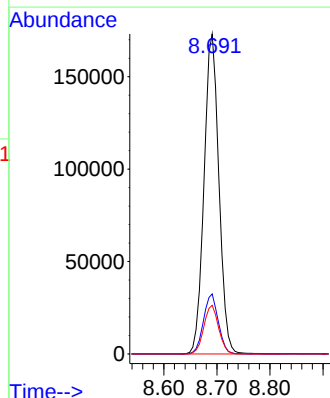
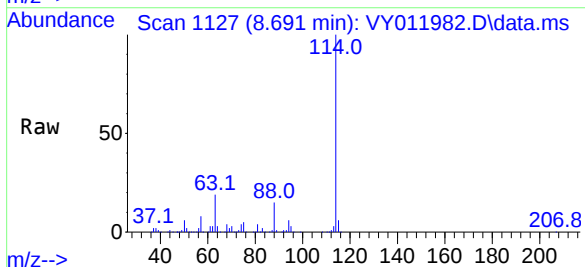
Tgt Ion: 114 Resp: 336478

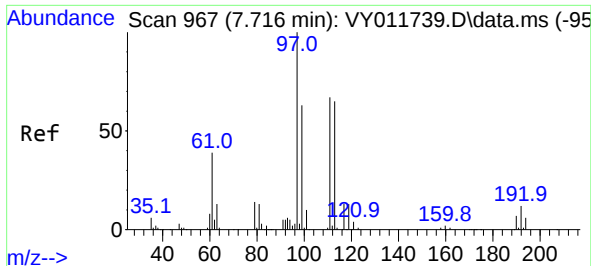
Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.6

88 15.2 0.0 32.2

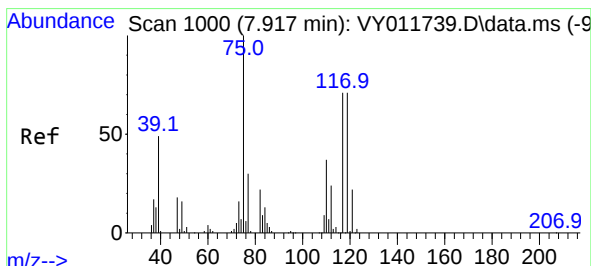
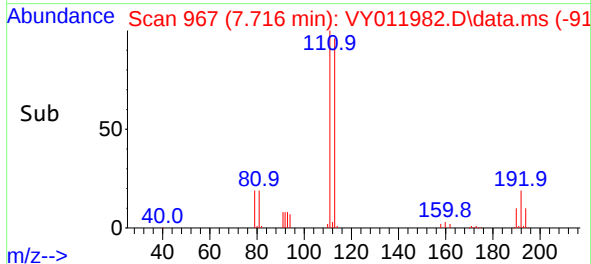
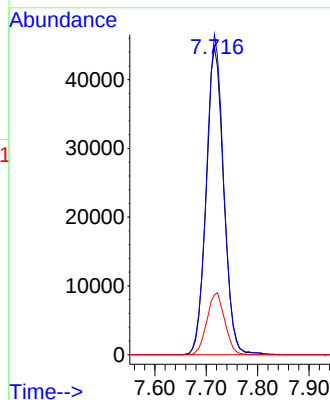
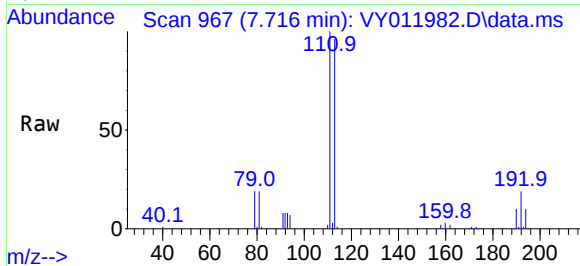




#35
Dibromofluoromethane
Concen: 52.357 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY011982.D
Acq: 22 Dec 2022 18:09

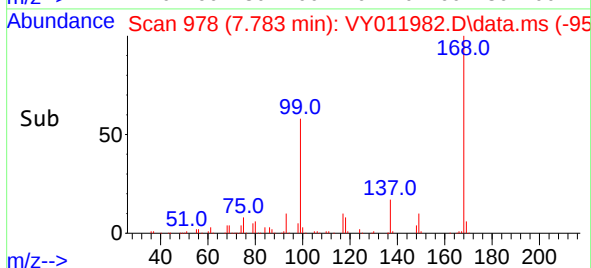
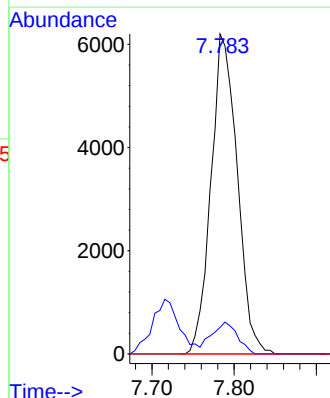
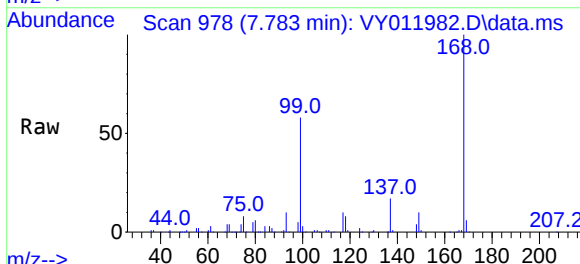
Instrument :
MSVOA_Y
ClientSampleId :
R-1

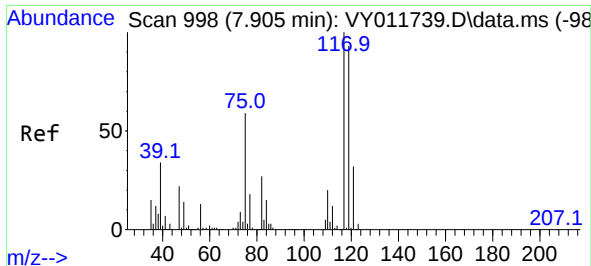
Tgt Ion:113 Resp: 106059
Ion Ratio Lower Upper
113 100
111 102.5 83.0 124.4
192 20.4 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.231 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY011982.D
Acq: 22 Dec 2022 18:09

Tgt Ion: 75 Resp: 13749
Ion Ratio Lower Upper
75 100
110 9.8 18.1 54.1#
77 0.0 25.1 37.7#

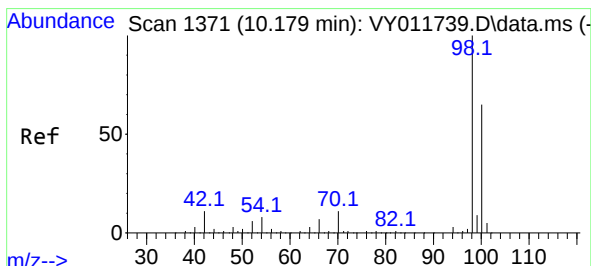
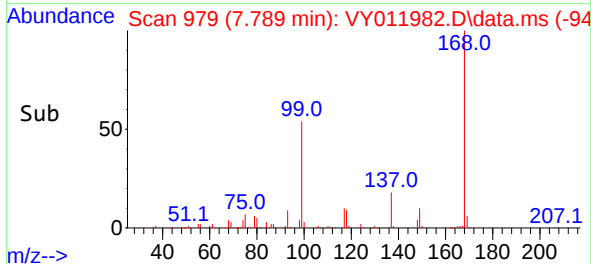
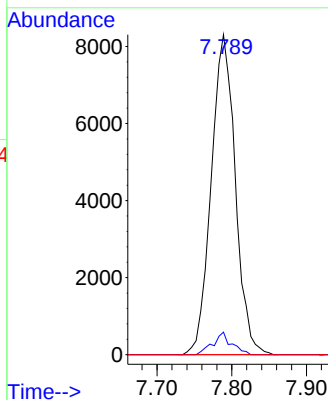
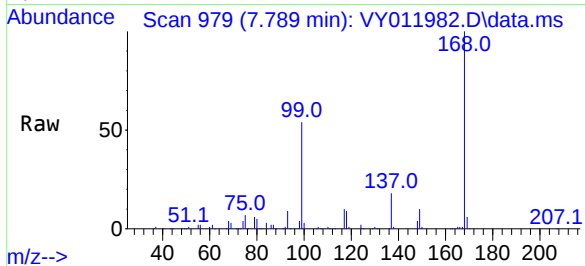




#38
Carbon Tetrachloride
Concen: 4.952 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011982.D
Acq: 22 Dec 2022 18:09

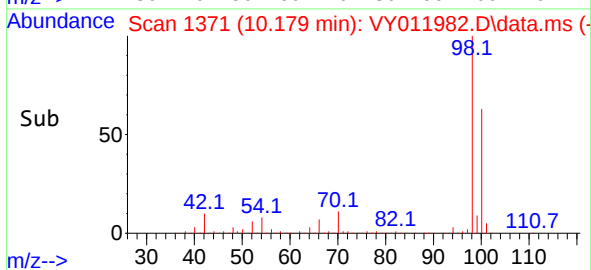
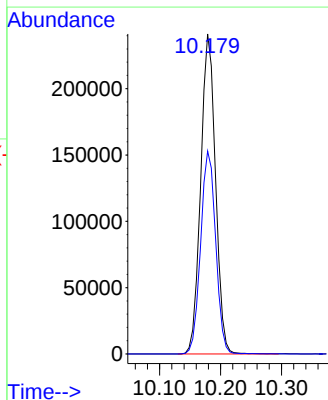
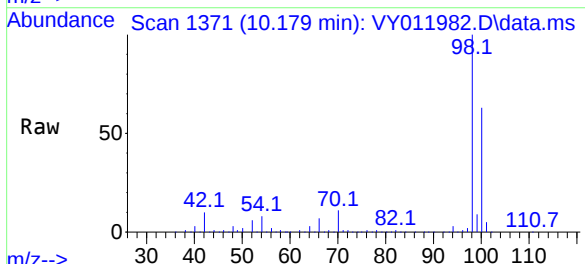
Instrument :
MSVOA_Y
ClientSampleId :
R-1

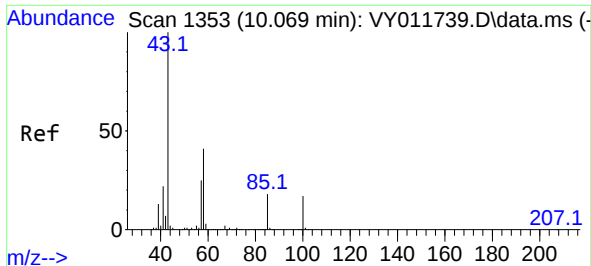
Tgt Ion:117 Resp: 18584
Ion Ratio Lower Upper
117 100
119 7.0 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 49.673 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011982.D
Acq: 22 Dec 2022 18:09

Tgt Ion: 98 Resp: 408250
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9

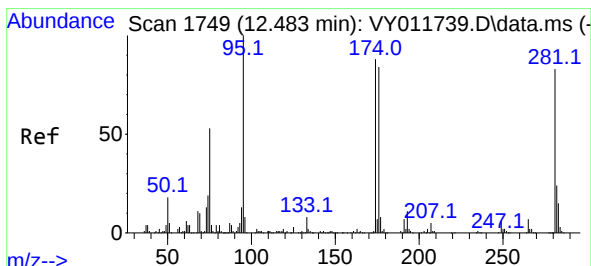
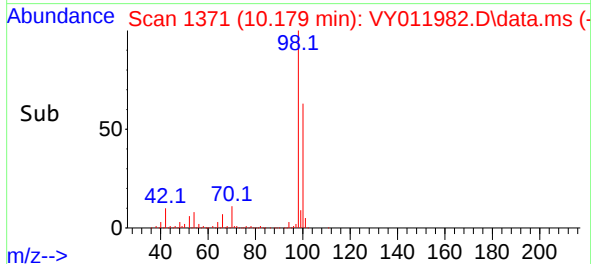
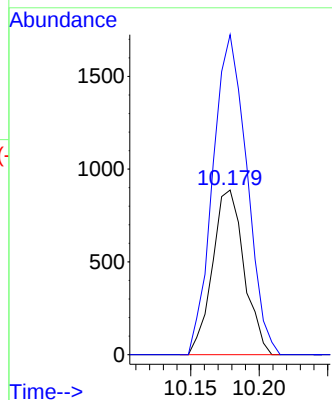
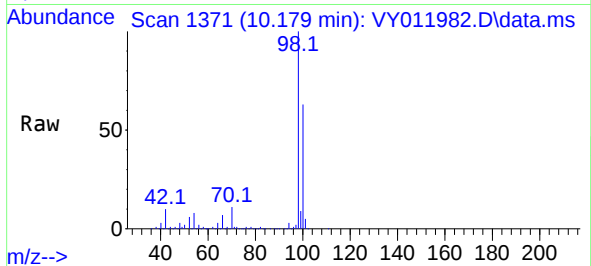




#51
4-Methyl-2-Pentanone
Concen: 1.004 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY011982.D
Acq: 22 Dec 2022 18:09

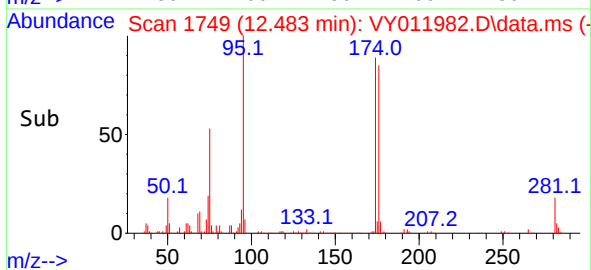
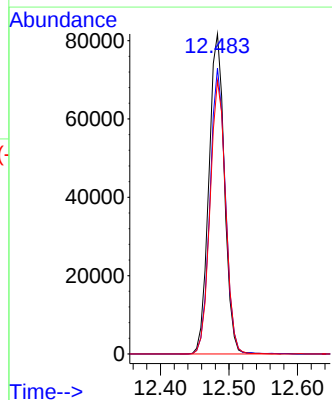
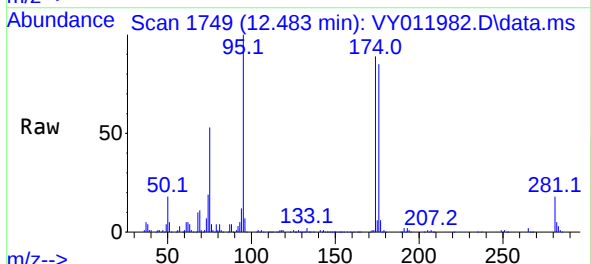
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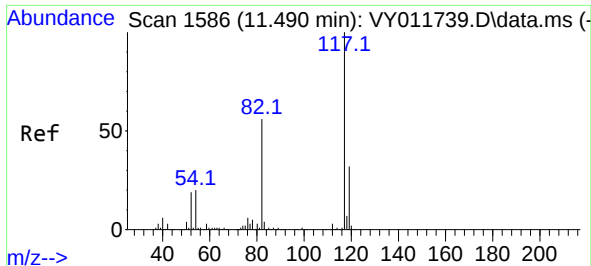
Tgt Ion: 43 Resp: 1426
Ion Ratio Lower Upper
43 100
58 208.7 32.9 49.3#



#62
4-Bromofluorobenzene
Concen: 46.774 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011982.D
Acq: 22 Dec 2022 18:09

Tgt Ion: 95 Resp: 129288
Ion Ratio Lower Upper
95 100
174 88.4 0.0 172.0
176 85.5 0.0 167.6

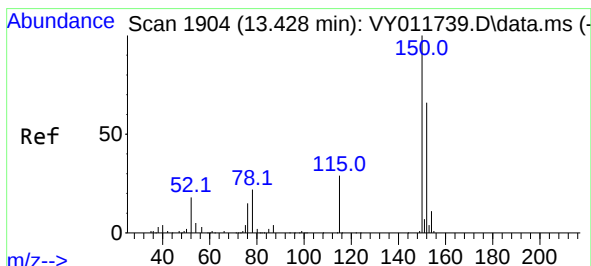
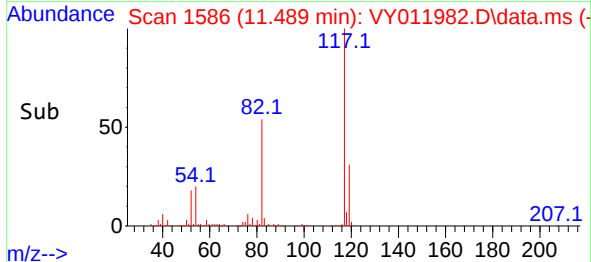
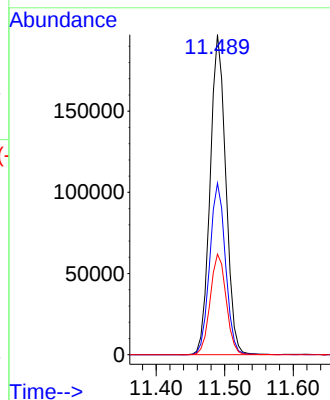
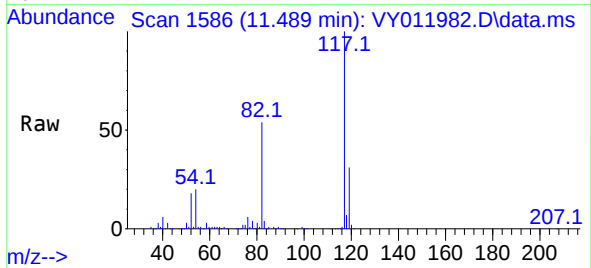




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011982.D
Acq: 22 Dec 2022 18:09

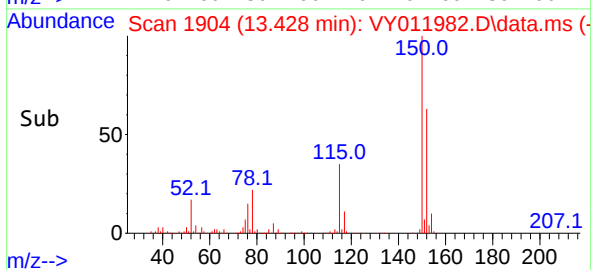
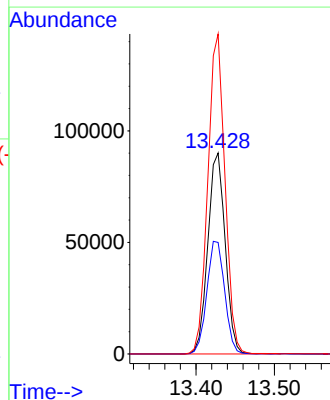
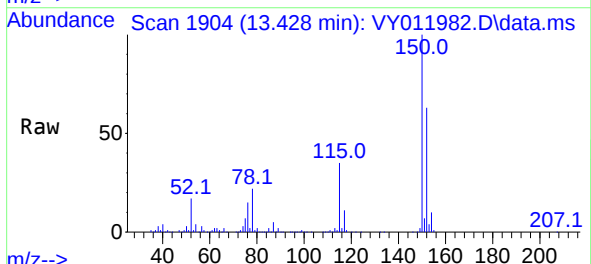
Instrument :
MSVOA_Y
ClientSampleId :
R-1

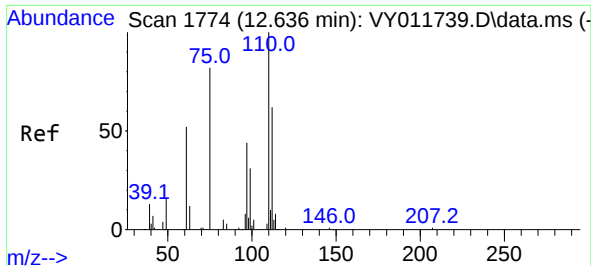
Tgt Ion:117 Resp: 313382
Ion Ratio Lower Upper
117 100
82 53.6 44.8 67.2
119 31.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011982.D
Acq: 22 Dec 2022 18:09

Tgt Ion:152 Resp: 138578
Ion Ratio Lower Upper
152 100
115 57.6 29.1 87.3
150 157.1 0.0 342.6

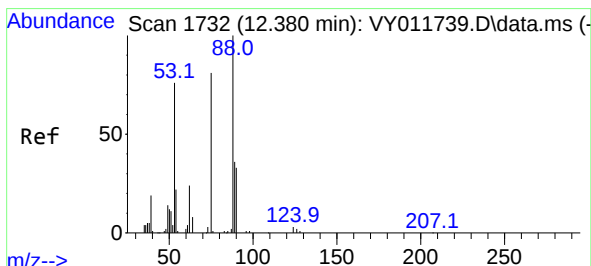
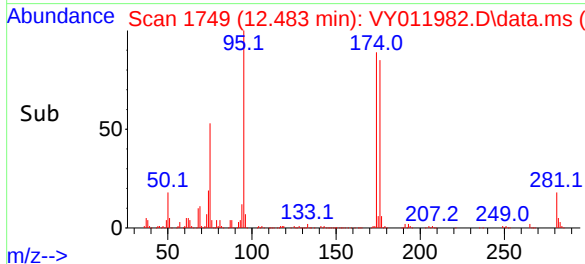
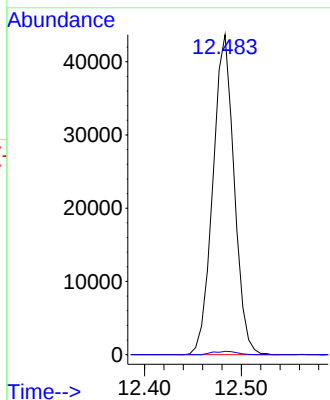
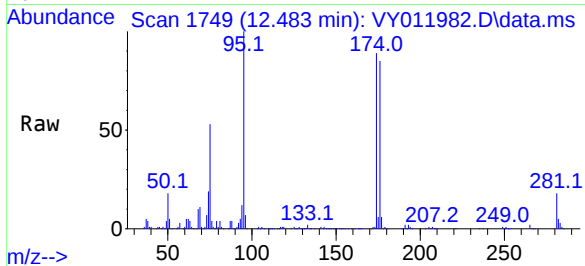




#76
1,2,3-Trichloropropane
Concen: 38.679 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011982.D
Acq: 22 Dec 2022 18:09

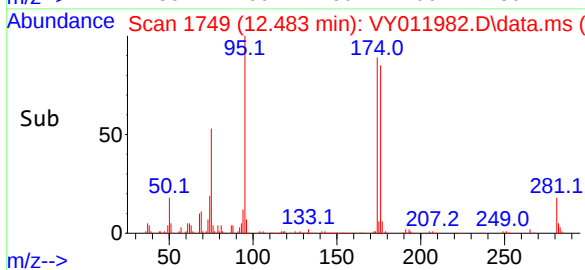
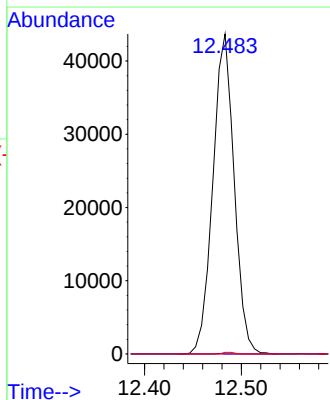
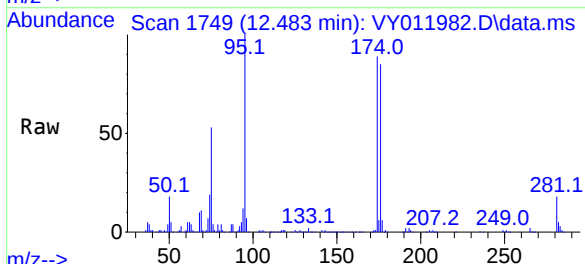
Instrument :
MSVOA_Y
ClientSampleId :
R-1

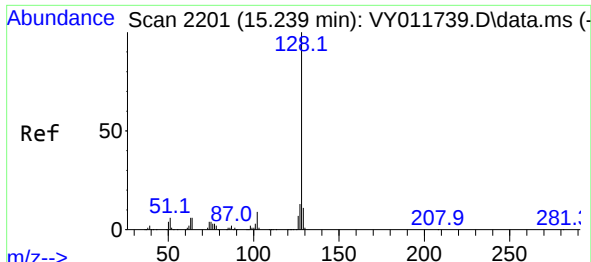
Tgt Ion: 75 Resp: 66697
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.922 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011982.D
Acq: 22 Dec 2022 18:09

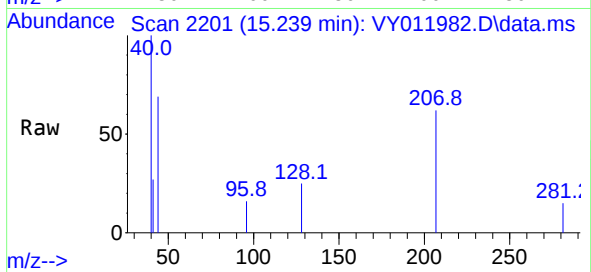
Tgt Ion: 75 Resp: 66697
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.3 37.0 55.4#





#95
Naphthalene
Concen: 2.793 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY011982.D
Acq: 22 Dec 2022 18:09

Instrument :
MSVOA_Y
ClientSampleId :
R-1



Tgt Ion:128 Resp: 82
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

