

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122022\
 Data File : VY011922.D
 Acq On : 20 Dec 2022 15:13
 Operator : KP/MD
 Sample : N6091-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-02-121522

Quant Time: Dec 20 15:35:24 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)

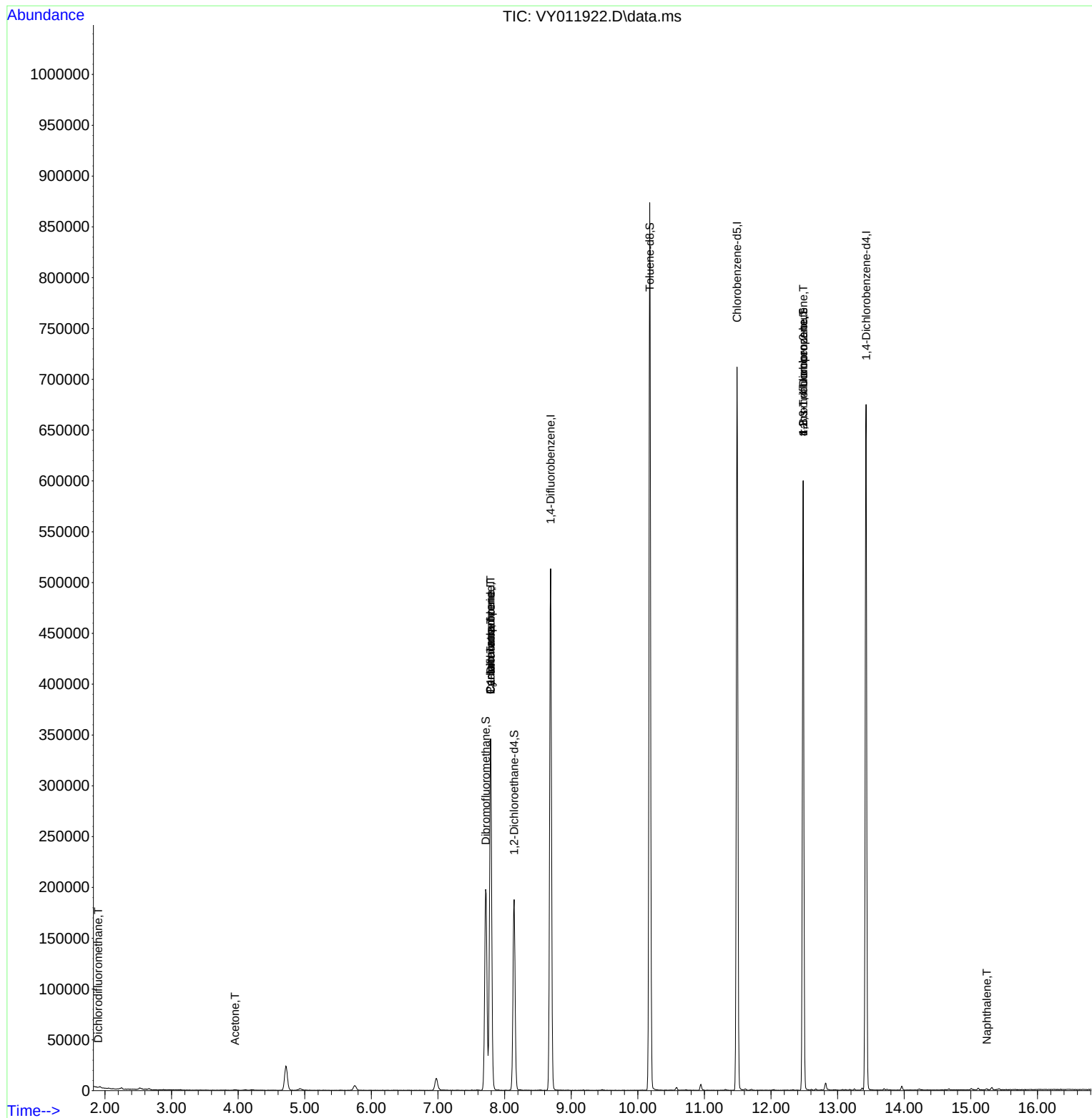
Internal Standards						
1) Pentafluorobenzene	7.789	168	268060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	444623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	385680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	178223	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	150110	55.583	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 111.160%		
35) Dibromofluoromethane	7.716	113	142463	53.222	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 106.440%		
50) Toluene-d8	10.179	98	568311	52.330	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 104.660%		
62) 4-Bromofluorobenzene	12.483	95	177449	48.583	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 97.160%		
Target Compounds						
2) Dichlorodifluoromethane	1.900	85	204	2.558	ug/l #	41
11) Tert butyl alcohol	4.936	59	1964	Below Cal	#	74
16) Acetone	3.954	43	1006	6.098	ug/l #	71
20) Methylene Chloride	4.722	84	18705	Below Cal		95
31) Cyclohexane	7.789	56	5178	1.139	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	19115	4.452	ug/l #	49
38) Carbon Tetrachloride	7.789	117	26824	5.409	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	92473	41.698	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	92473	114.190	ug/l #	13
95) Naphthalene	15.239	128	1397	2.979	ug/l #	81

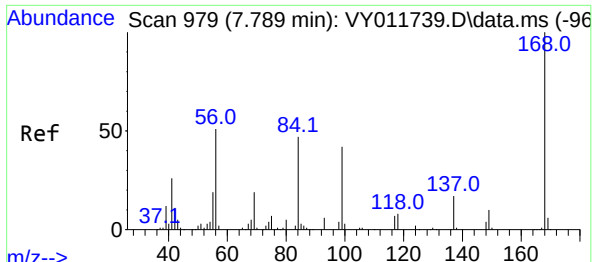
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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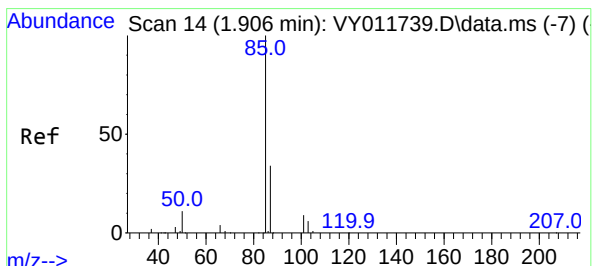
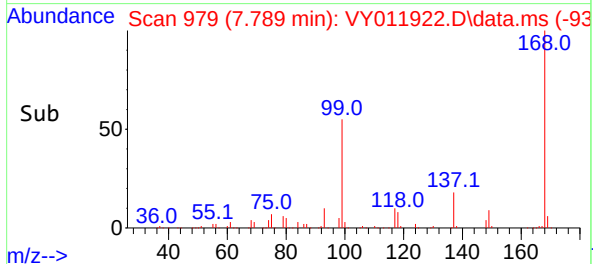
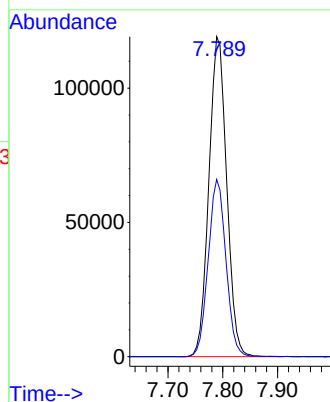
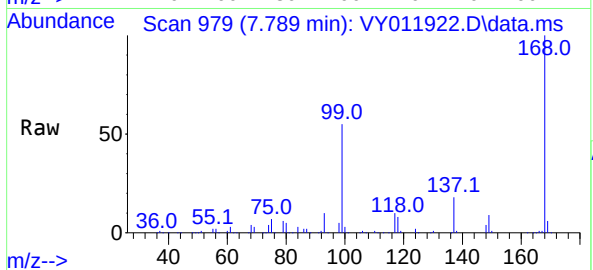




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011922.D
Acq: 20 Dec 2022 15:13

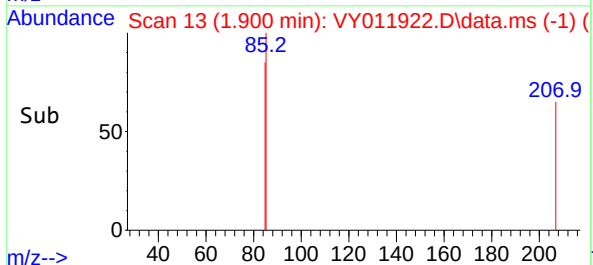
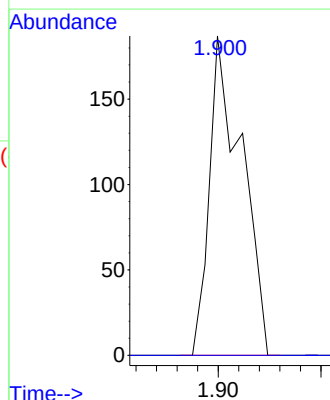
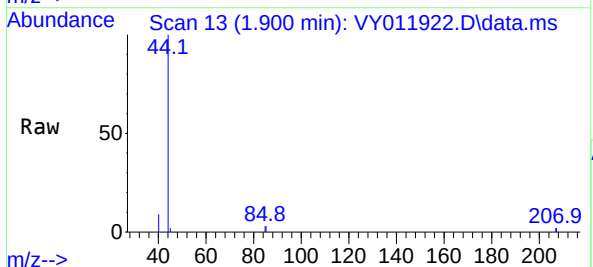
Instrument :
MSVOA_Y
ClientSampleId :
BU-02-121522

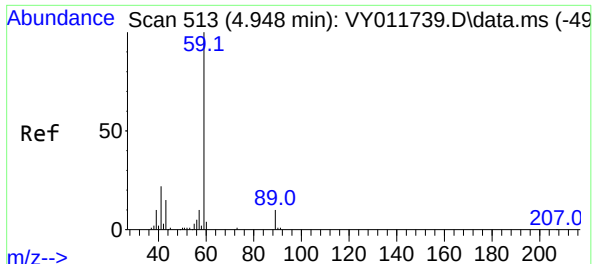
Tgt Ion:168 Resp: 268060
Ion Ratio Lower Upper
168 100
99 55.4 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.558 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011922.D
Acq: 20 Dec 2022 15:13

Tgt Ion: 85 Resp: 204
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 511

Delta R.T. -0.012 min

Lab File: VY011922.D

Acq: 20 Dec 2022 15:13

Instrument :

MSVOA_Y

ClientSampleId :

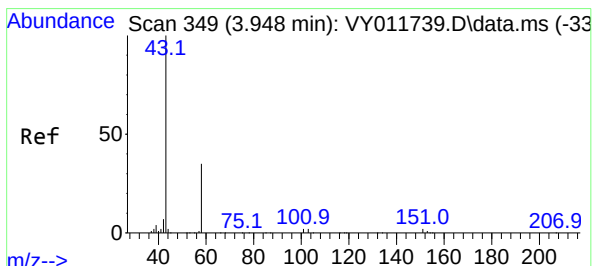
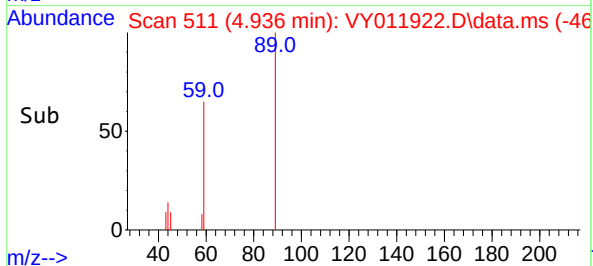
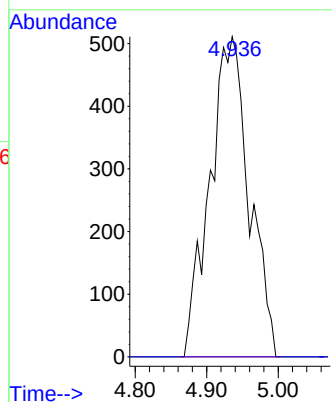
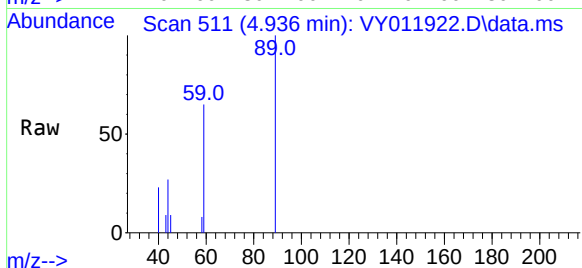
BU-02-121522

Tgt Ion: 59 Resp: 1964

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 6.098 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY011922.D

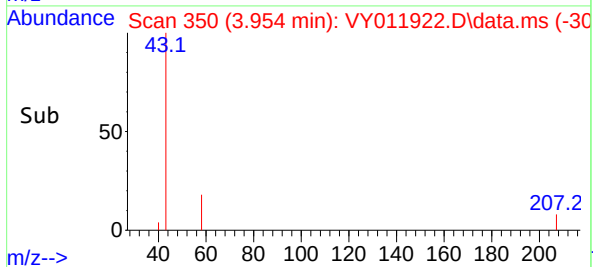
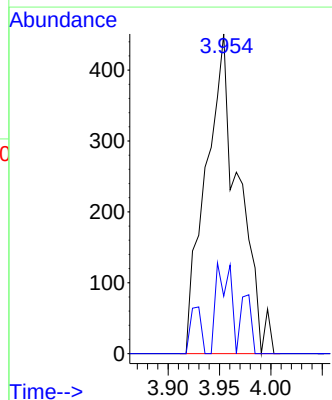
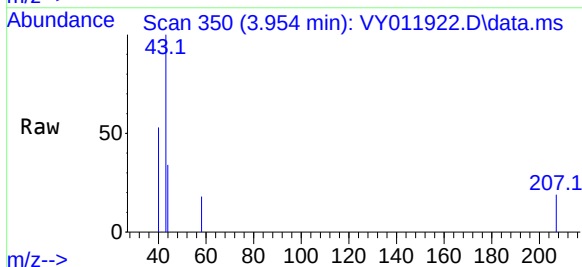
Acq: 20 Dec 2022 15:13

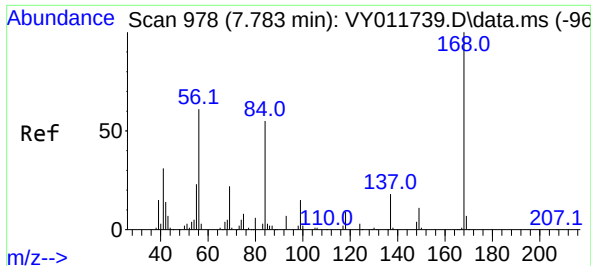
Tgt Ion: 43 Resp: 1006

Ion Ratio Lower Upper

43 100

58 18.0 27.9 41.9#

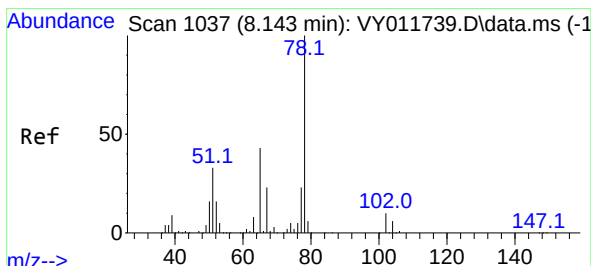
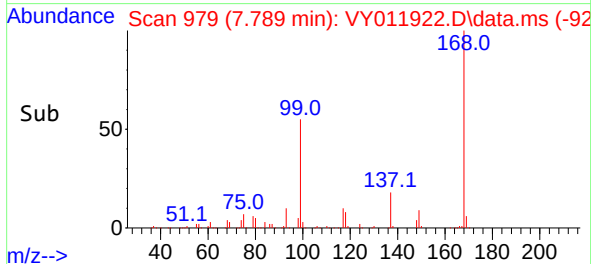
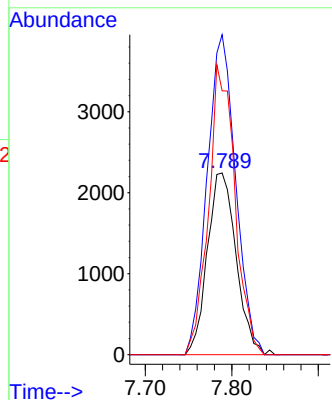
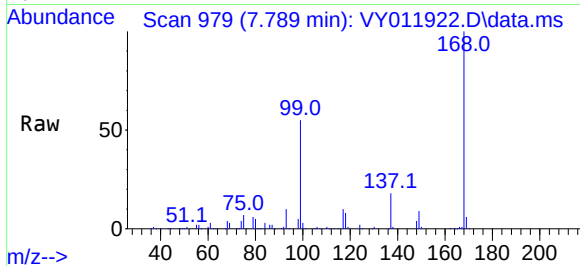




#31
Cyclohexane
Concen: 1.139 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011922.D
Acq: 20 Dec 2022 15:13

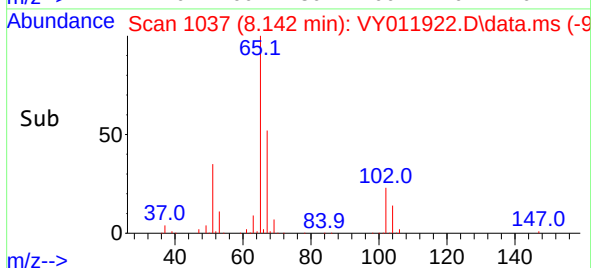
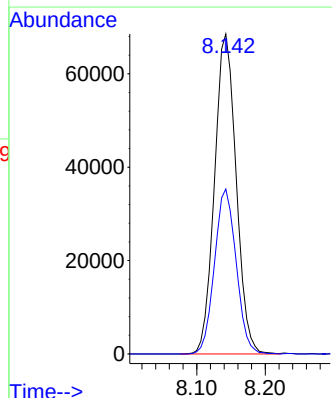
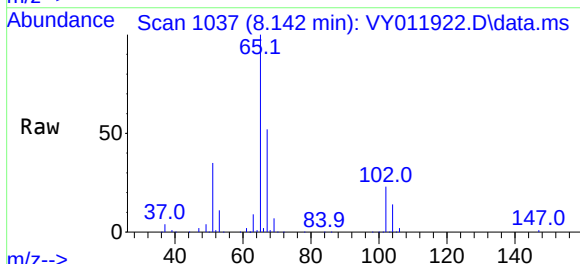
Instrument :
MSVOA_Y
ClientSampleId :
BU-02-121522

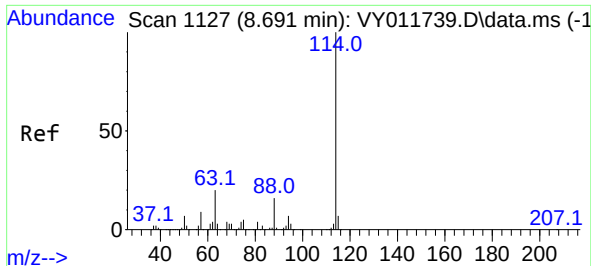
Tgt Ion: 56 Resp: 5178
Ion Ratio Lower Upper
56 100
69 176.1 29.2 43.8#
84 145.2 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 55.583 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011922.D
Acq: 20 Dec 2022 15:13

Tgt Ion: 65 Resp: 150110
Ion Ratio Lower Upper
65 100
67 51.5 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: VY011922.D

Acq: 20 Dec 2022 15:13

Instrument :

MSVOA_Y

ClientSampleId :

BU-02-121522

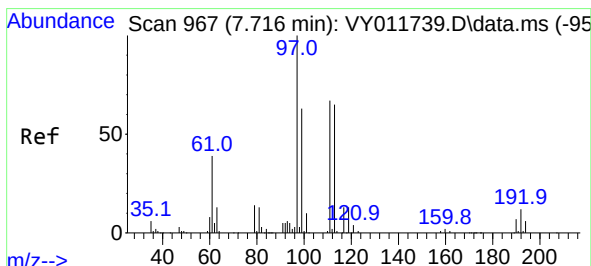
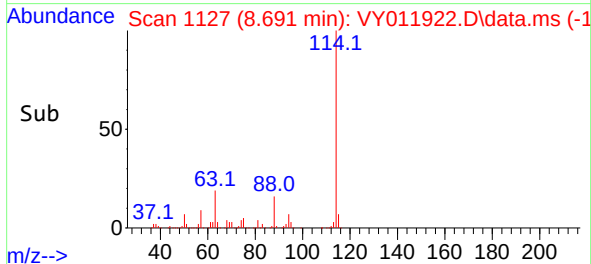
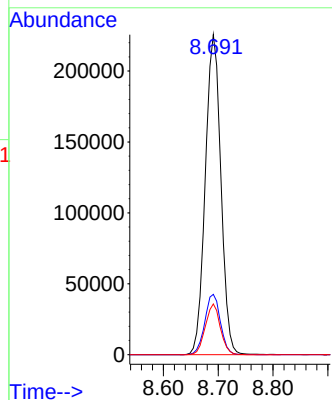
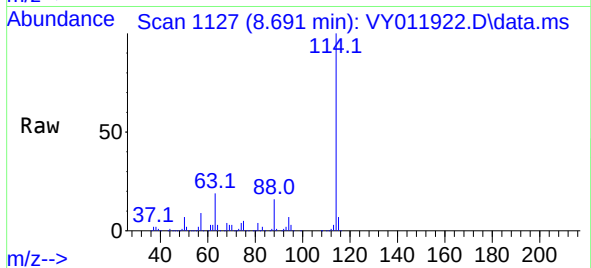
Tgt Ion:114 Resp: 444623

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.6

88 15.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 53.222 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011922.D

Acq: 20 Dec 2022 15:13

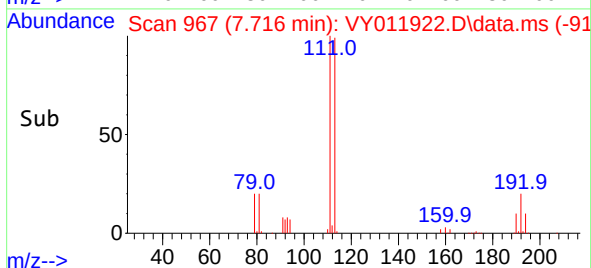
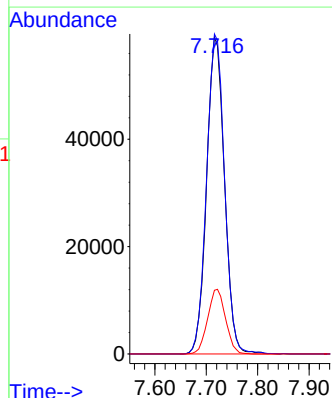
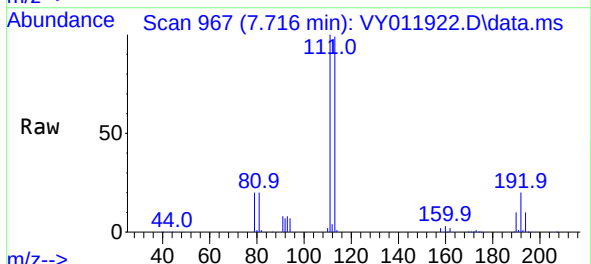
Tgt Ion:113 Resp: 142463

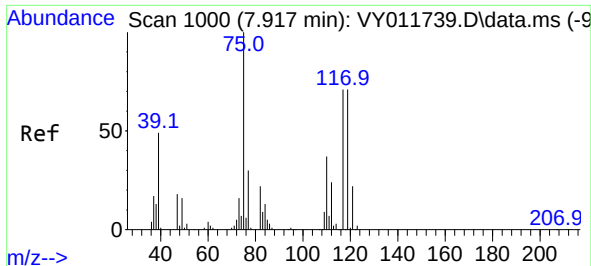
Ion Ratio Lower Upper

113 100

111 101.8 83.0 124.4

192 20.4 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.452 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011922.D

Acq: 20 Dec 2022 15:13

Instrument :

MSVOA_Y

ClientSampleId :

BU-02-121522

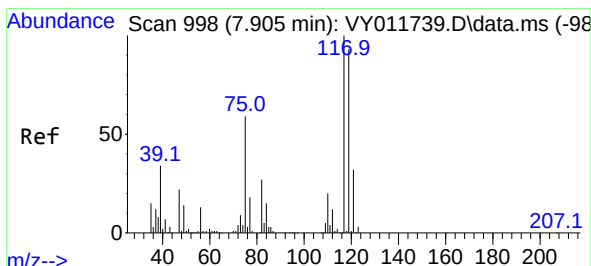
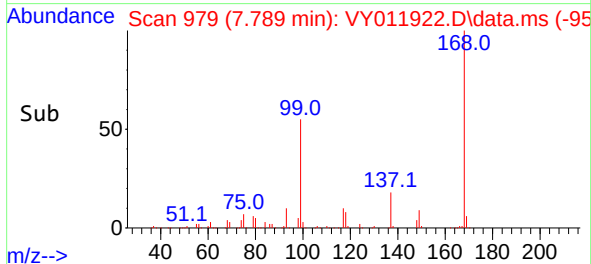
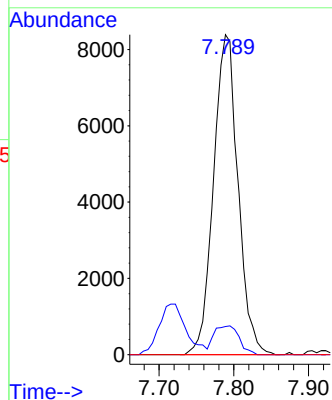
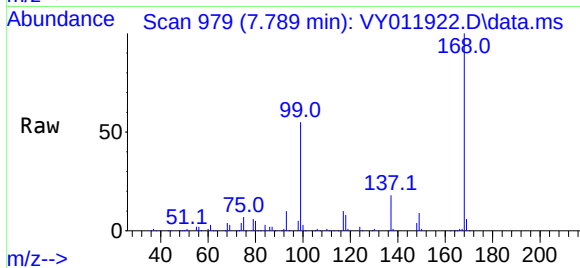
Tgt Ion: 75 Resp: 19115

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.409 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011922.D

Acq: 20 Dec 2022 15:13

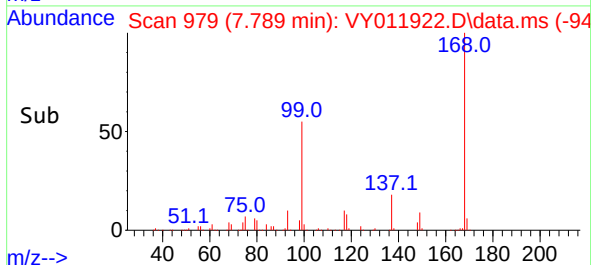
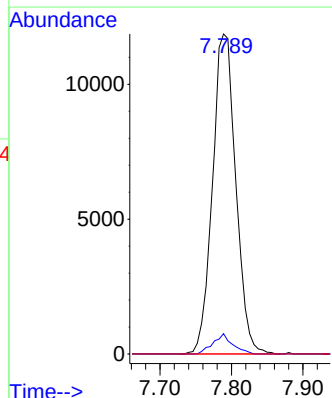
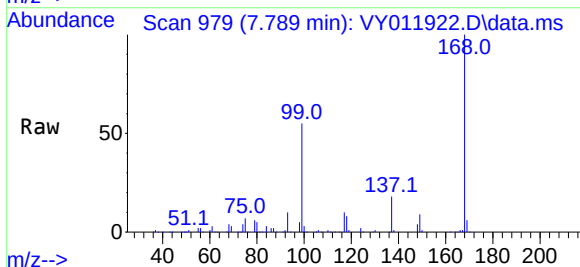
Tgt Ion: 117 Resp: 26824

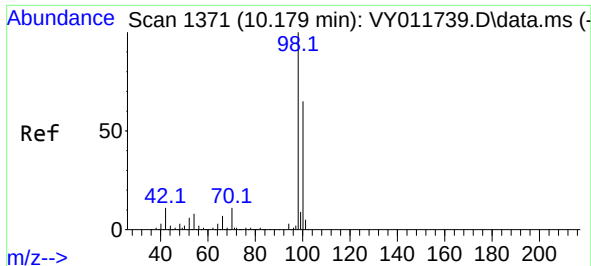
Ion Ratio Lower Upper

117 100

119 6.4 73.8 110.8#

121 0.0 25.2 37.8#

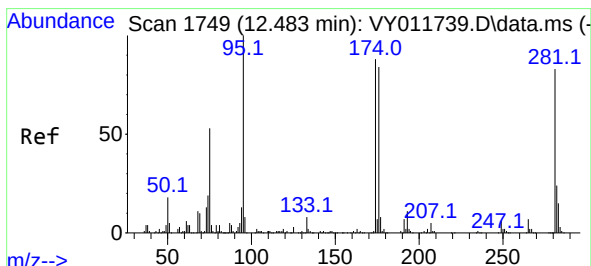
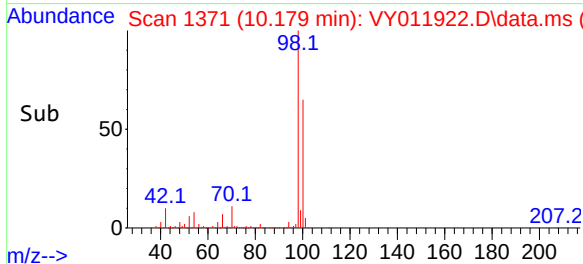
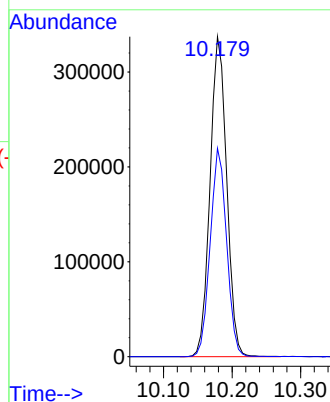
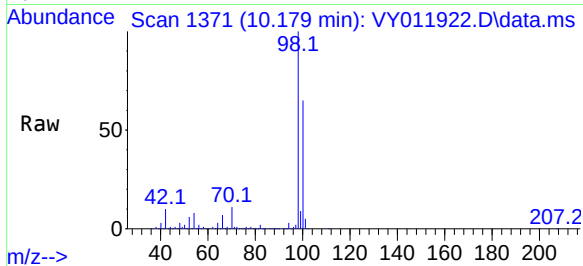




#50
Toluene-d8
Concen: 52.330 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011922.D
Acq: 20 Dec 2022 15:13

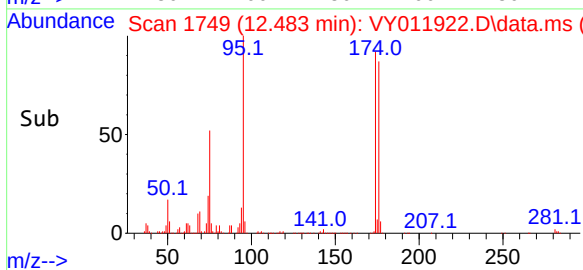
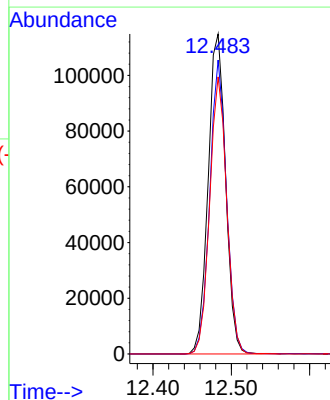
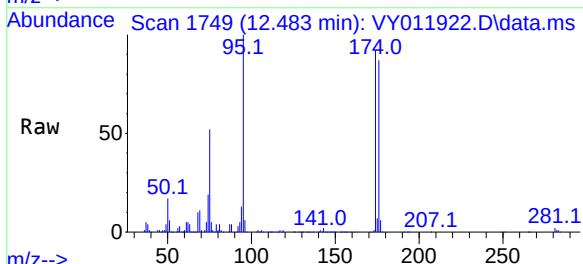
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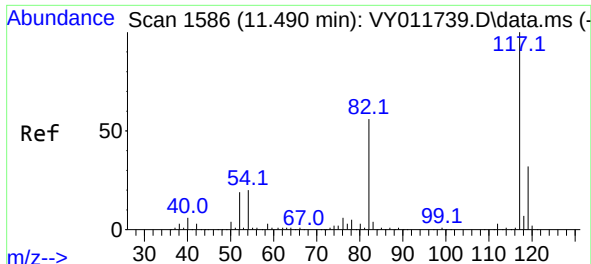
Tgt Ion: 98 Resp: 568311
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 48.583 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011922.D
Acq: 20 Dec 2022 15:13

Tgt Ion: 95 Resp: 177449
Ion Ratio Lower Upper
95 100
174 88.1 0.0 172.0
176 84.5 0.0 167.6

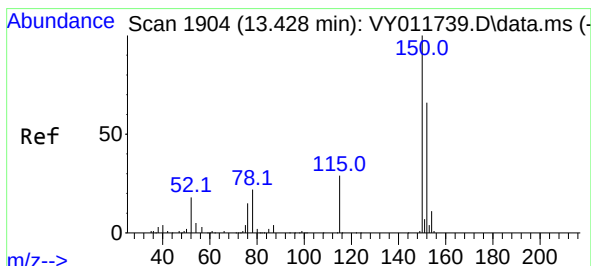
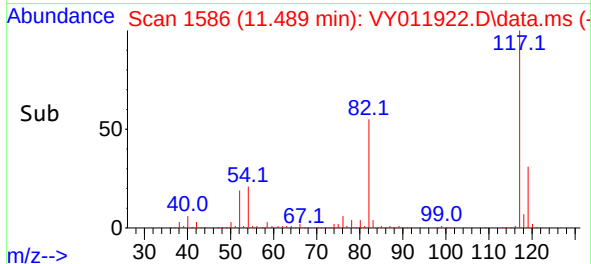
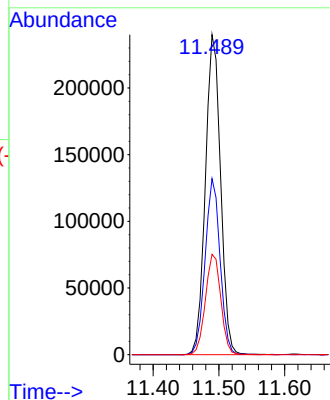
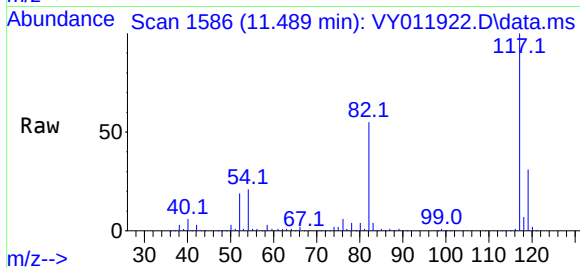




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011922.D
Acq: 20 Dec 2022 15:13

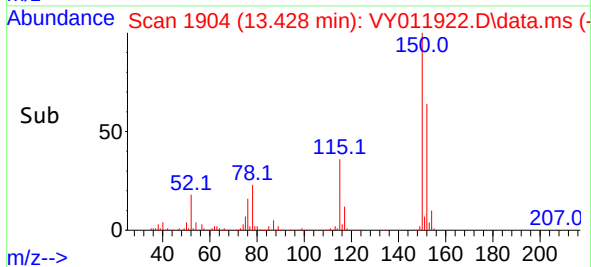
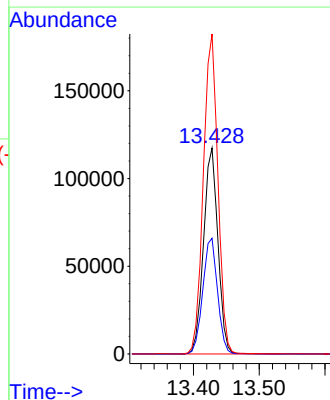
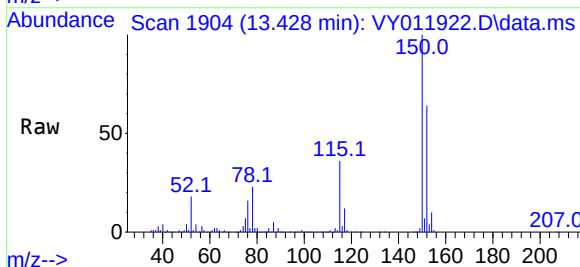
Instrument :
MSVOA_Y
ClientSampleId :
BU-02-121522

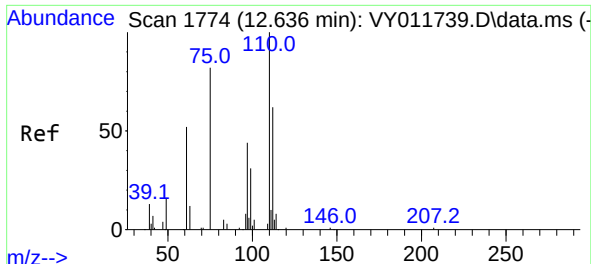
Tgt Ion:117 Resp: 385680
Ion Ratio Lower Upper
117 100
82 55.0 44.8 67.2
119 31.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011922.D
Acq: 20 Dec 2022 15:13

Tgt Ion:152 Resp: 178223
Ion Ratio Lower Upper
152 100
115 57.6 29.1 87.3
150 157.4 0.0 342.6

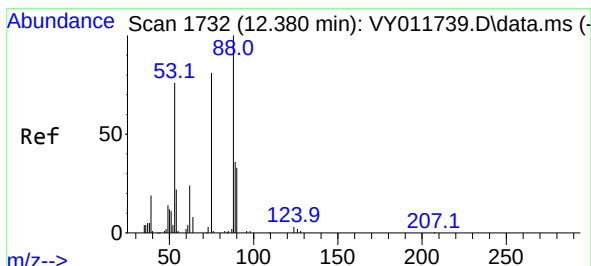
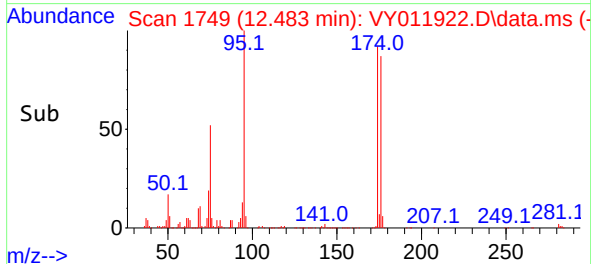
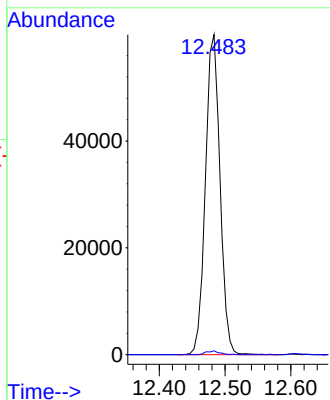
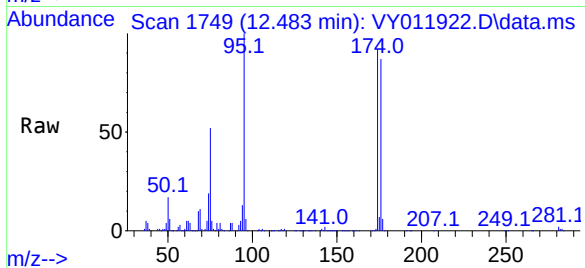




#76
1,2,3-Trichloropropane
Concen: 41.698 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011922.D
Acq: 20 Dec 2022 15:13

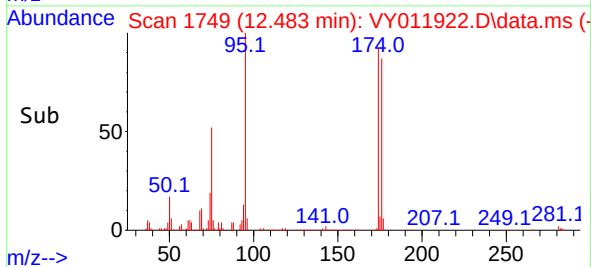
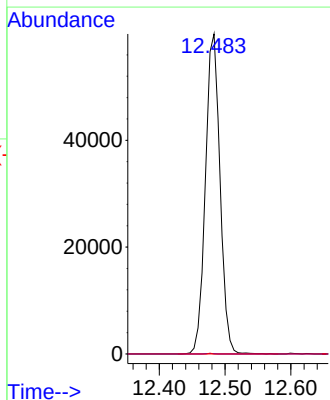
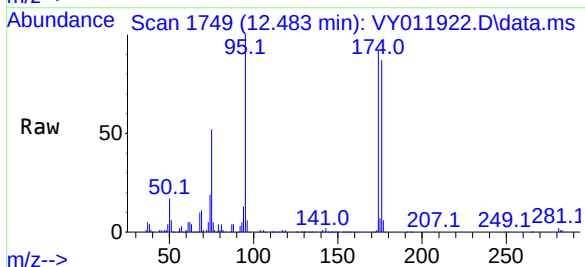
Instrument :
MSVOA_Y
ClientSampleId :
BU-02-121522

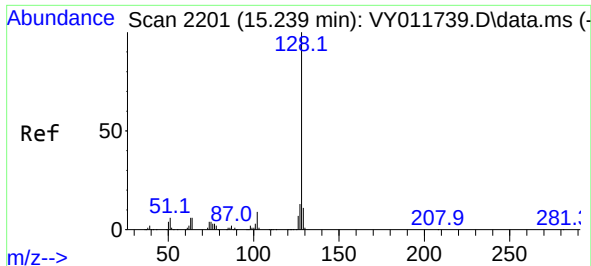
Tgt Ion: 75 Resp: 92473
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.190 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011922.D
Acq: 20 Dec 2022 15:13

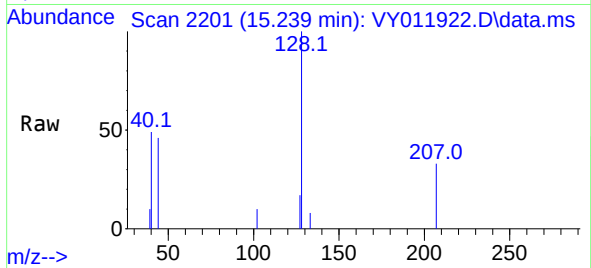
Tgt Ion: 75 Resp: 92473
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.1 37.0 55.4#





#95
Naphthalene
Concen: 2.979 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY011922.D
Acq: 20 Dec 2022 15:13

Instrument :
MSVOA_Y
ClientSampleId :
BU-02-121522



Tgt Ion:128 Resp: 1397
Ion Ratio Lower Upper
128 100
127 8.9 10.2 15.2#
129 0.0 8.8 13.2#

