

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111622\
 Data File : VY011478.D
 Acq On : 16 Nov 2022 17:01
 Operator : KP/MD
 Sample : N5641-08
 Misc : 6.24g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 17 03:17:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111022S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 10 17:47:26 2022
 Response via : Initial Calibration

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

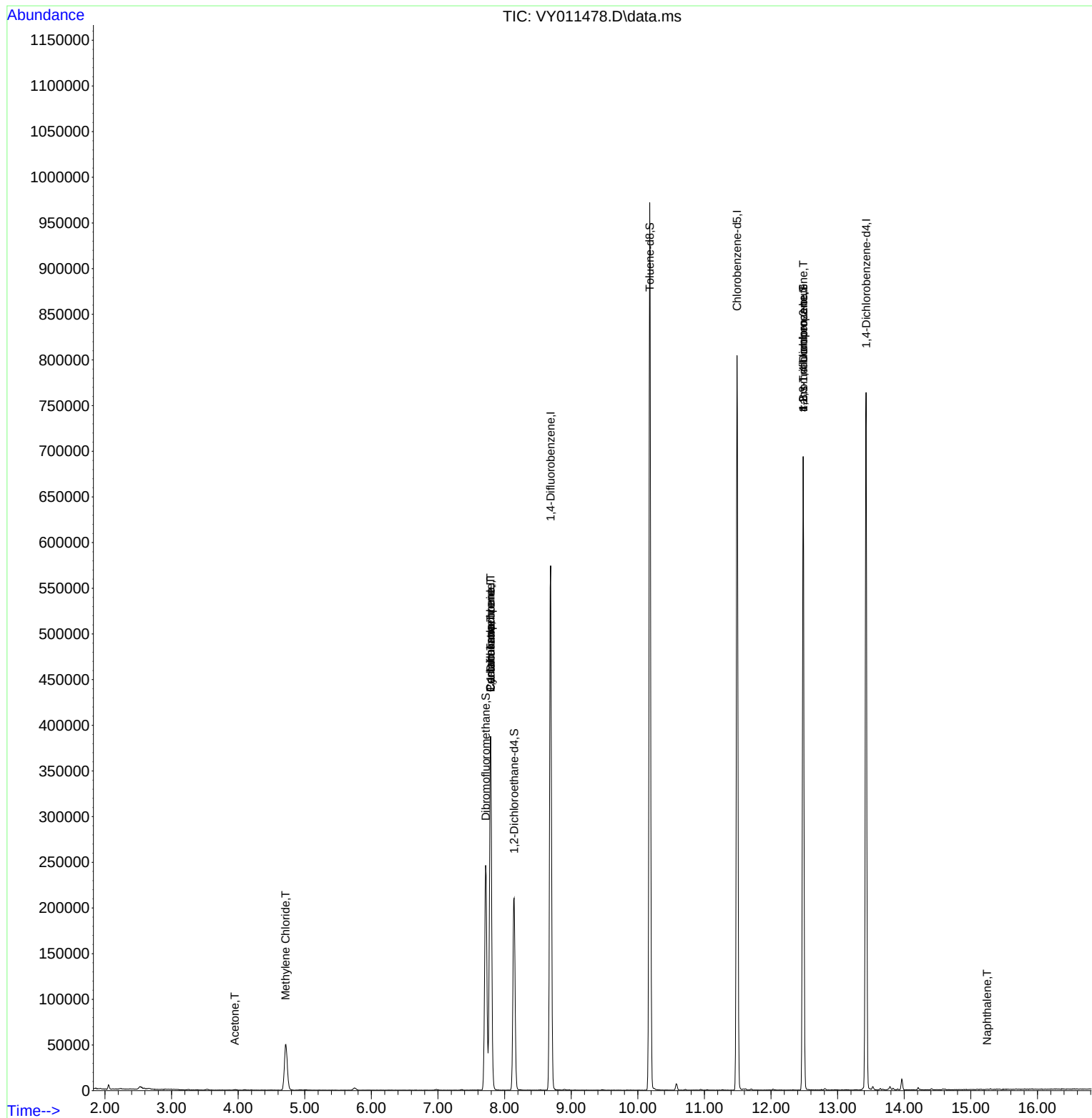
Internal Standards						
1) Pentafluorobenzene	7.789	168	321535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	528223	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	470800	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	210216	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	168510	62.542	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.080%	
35) Dibromofluoromethane	7.716	113	178066	60.152	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 120.300%	
50) Toluene-d8	10.179	98	652440	57.691	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 115.380%	
62) 4-Bromofluorobenzene	12.483	95	214360	54.343	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 108.680%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	45	Below Cal	#	43
11) Tert butyl alcohol	4.936	59	592	Below Cal	#	77
16) Acetone	3.948	43	1085	1.526	ug/l #	83
18) Methyl Acetate	4.490	43	406	Below Cal	#	56
20) Methylene Chloride	4.710	84	42535	4.133	ug/l #	77
31) Cyclohexane	7.789	56	4984	1.029	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	21291	4.634	ug/l #	52
38) Carbon Tetrachloride	7.789	117	30684	6.140	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	101528	41.724	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	101528	100.292	ug/l #	7
95) Naphthalene	15.245	128	235	3.303	ug/l #	69

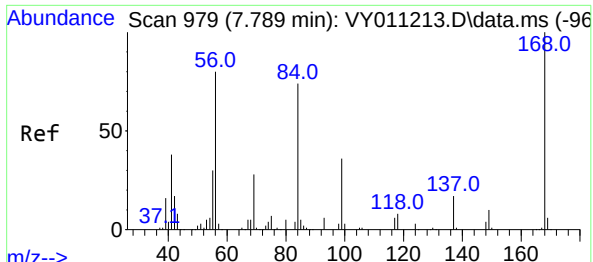
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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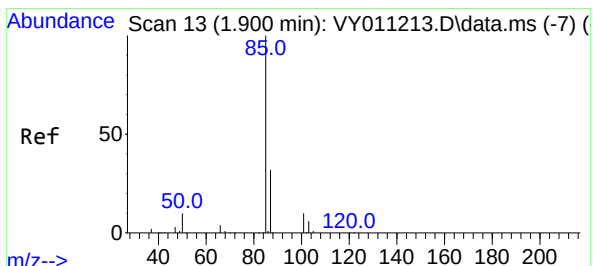
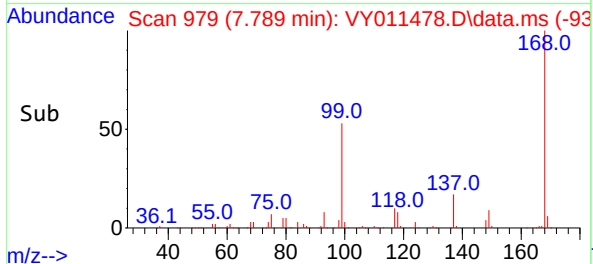
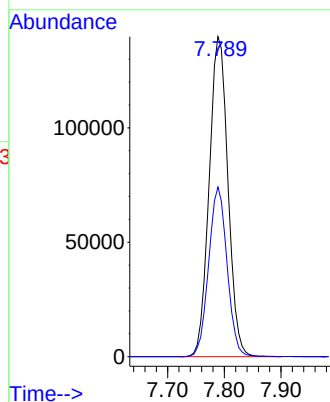
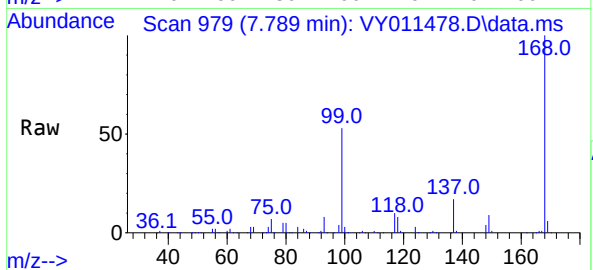




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011478.D
Acq: 16 Nov 2022 17:01

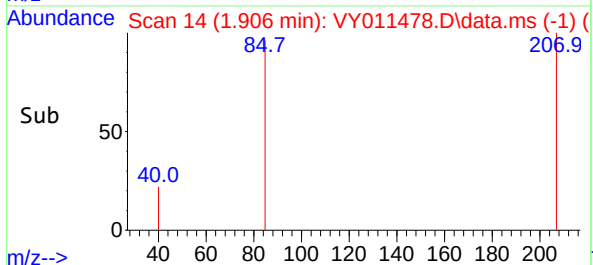
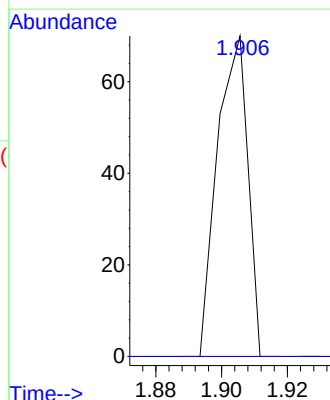
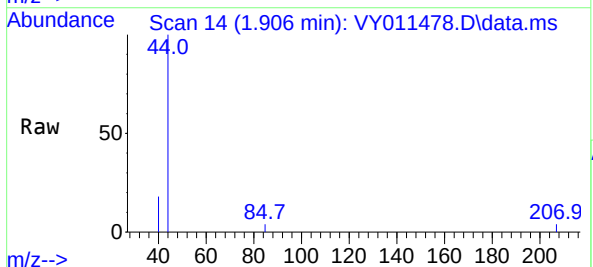
Instrument :
MSVOA_Y
ClientSampleId :

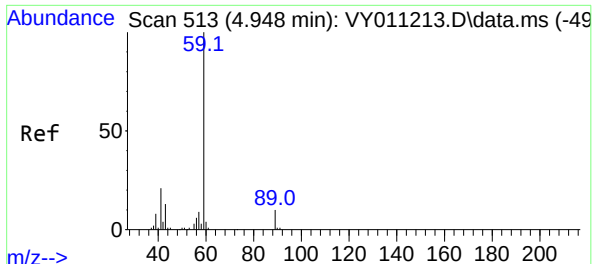
Tgt Ion:168 Resp: 321535
Ion Ratio Lower Upper
168 100
99 53.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY011478.D
Acq: 16 Nov 2022 17:01

Tgt Ion: 85 Resp: 45
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 511

Delta R.T. -0.018 min

Lab File: VY011478.D

Acq: 16 Nov 2022 17:01

Instrument :

MSVOA_Y

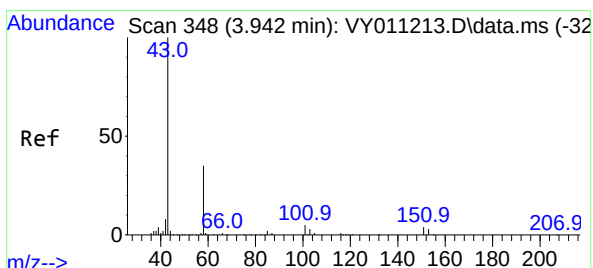
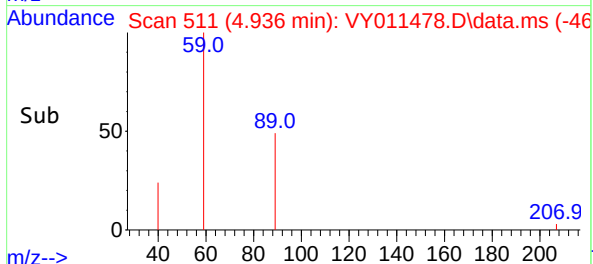
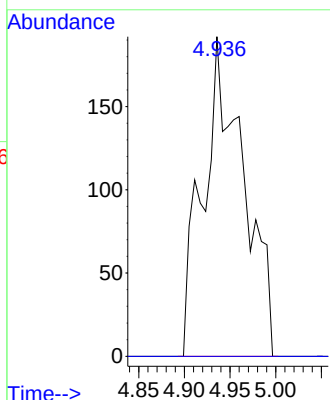
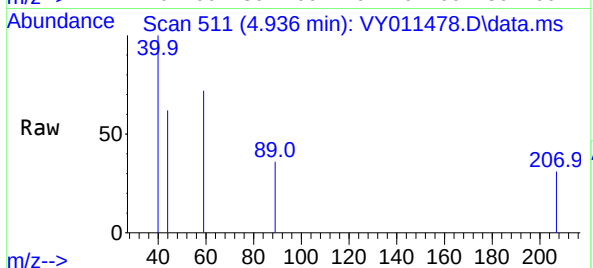
ClientSampleId :

Tgt Ion: 59 Resp: 592

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 1.526 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY011478.D

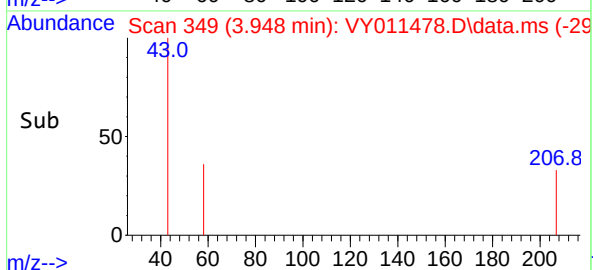
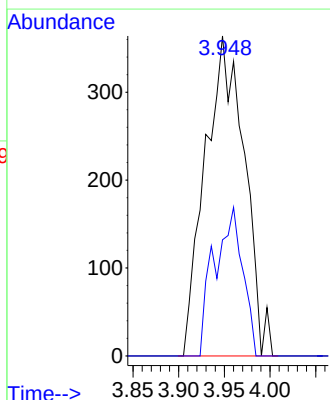
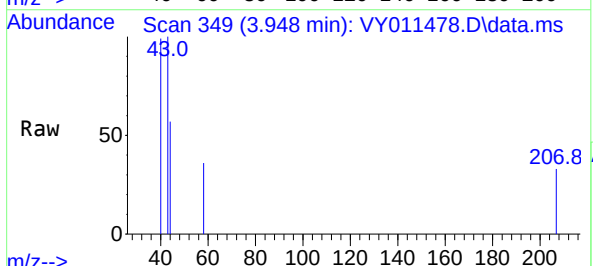
Acq: 16 Nov 2022 17:01

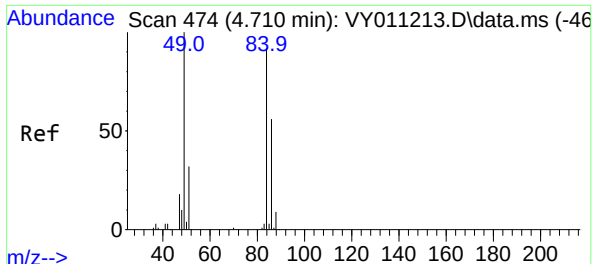
Tgt Ion: 43 Resp: 1085

Ion Ratio Lower Upper

43 100

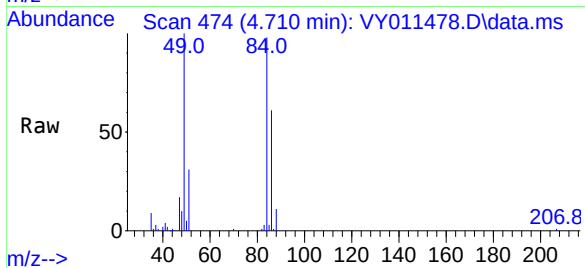
58 36.3 22.0 33.0#





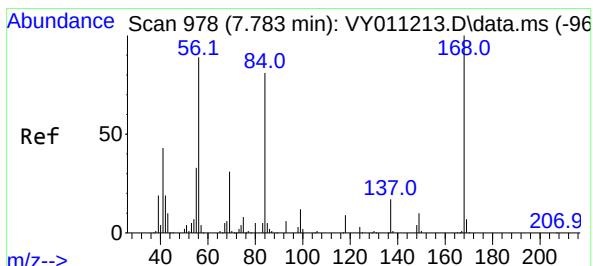
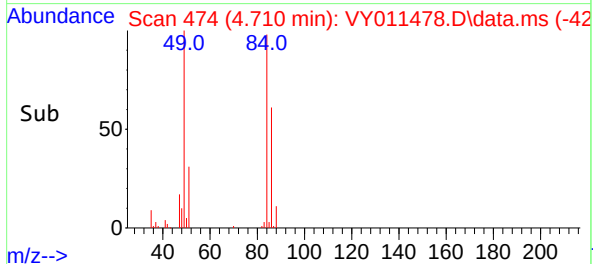
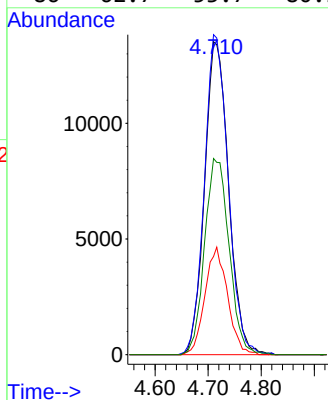
#20
Methylene Chloride
Concen: 4.133 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY011478.D
Acq: 16 Nov 2022 17:01

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 42535

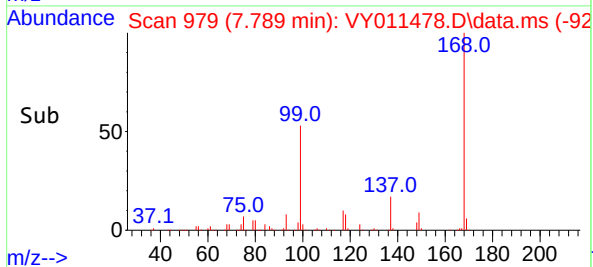
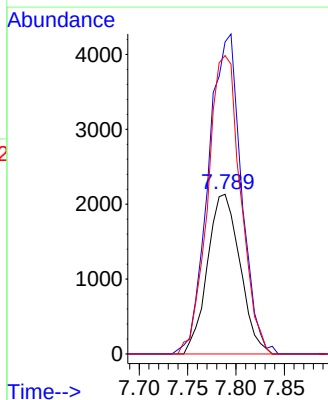
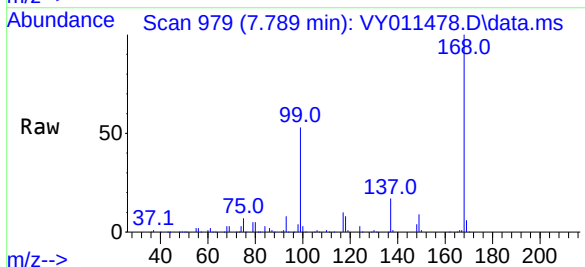
Ion	Ratio	Lower	Upper
84	100		
49	102.3	114.4	171.6#
51	31.4	35.3	52.9#
86	62.7	53.7	80.5

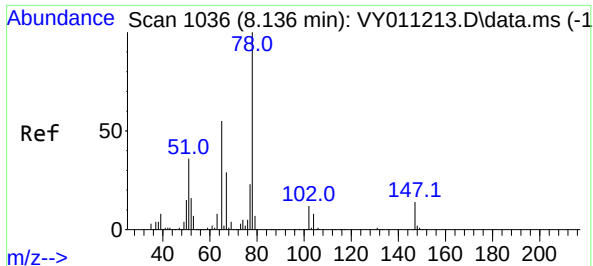


#31
Cyclohexane
Concen: 1.029 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY011478.D
Acq: 16 Nov 2022 17:01

Tgt Ion: 56 Resp: 4984

Ion	Ratio	Lower	Upper
56	100		
69	195.4	26.7	40.1#
84	186.9	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 62.542 ug/l

RT: 8.142 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY011478.D

Acq: 16 Nov 2022 17:01

Instrument :

MSVOA_Y

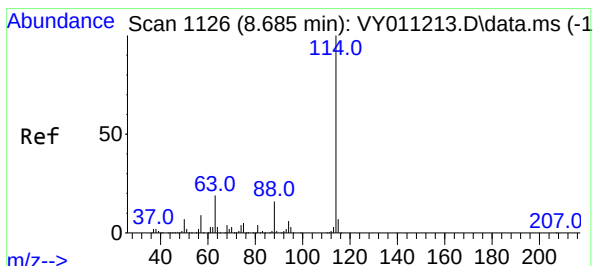
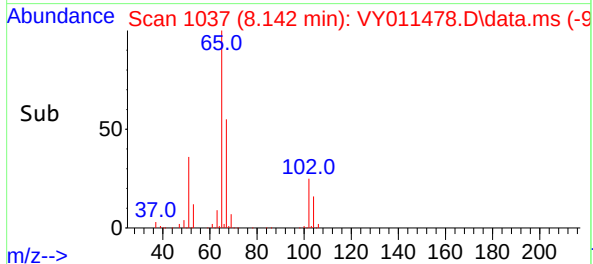
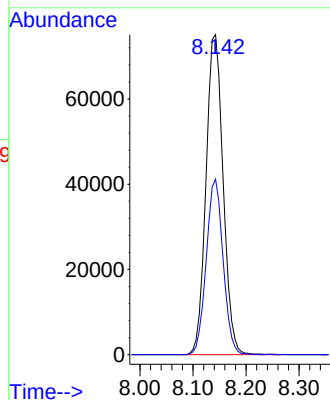
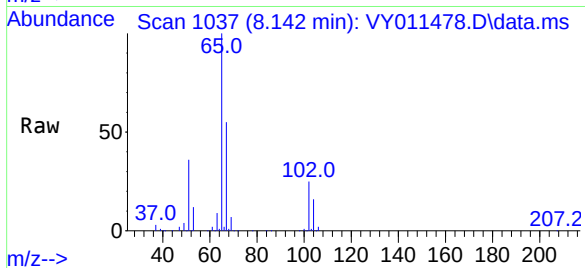
ClientSampleId :

Tgt Ion: 65 Resp: 168510

Ion Ratio Lower Upper

65 100

67 53.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY011478.D

Acq: 16 Nov 2022 17:01

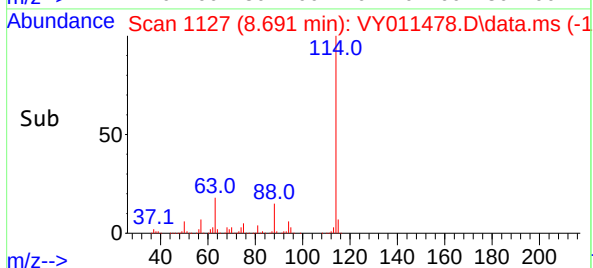
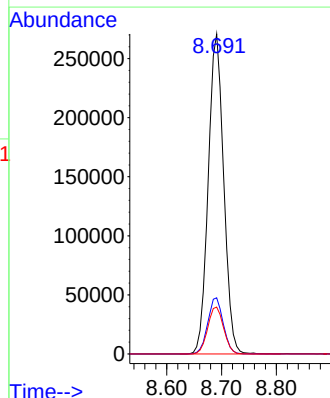
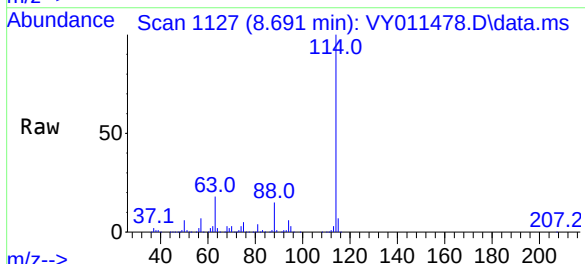
Tgt Ion: 114 Resp: 528223

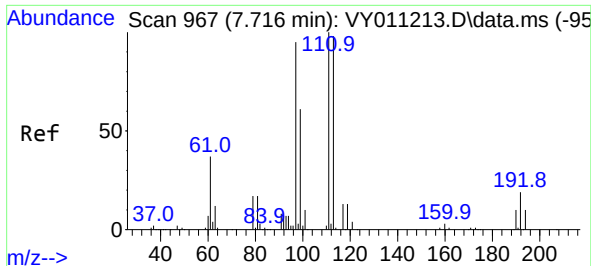
Ion Ratio Lower Upper

114 100

63 17.6 0.0 43.2

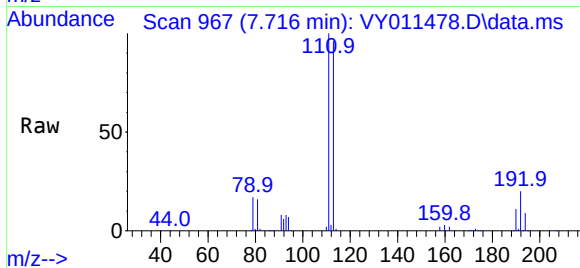
88 14.7 0.0 31.8



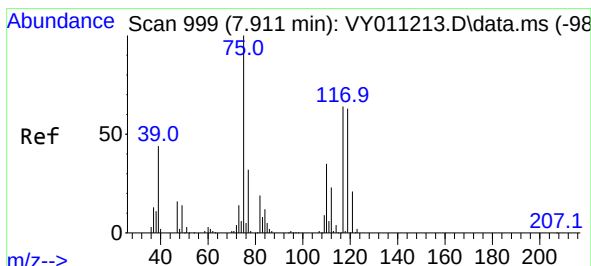
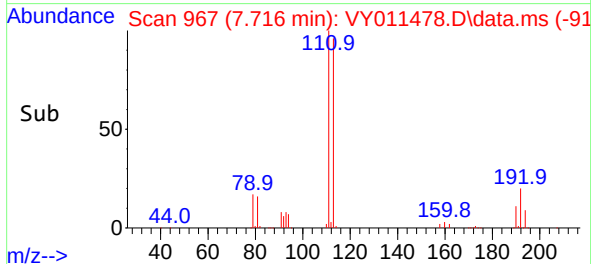
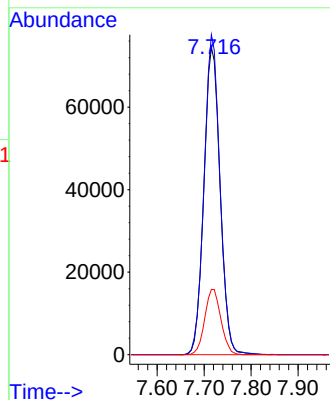


#35
Dibromofluoromethane
Concen: 60.152 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY011478.D
Acq: 16 Nov 2022 17:01

Instrument :
MSVOA_Y
ClientSampleId :

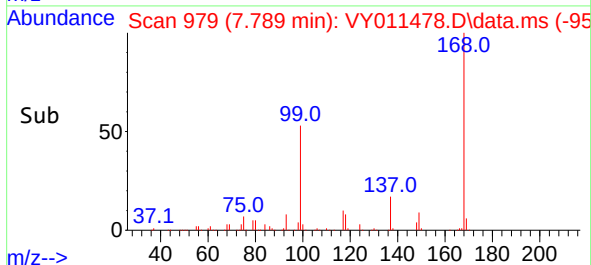
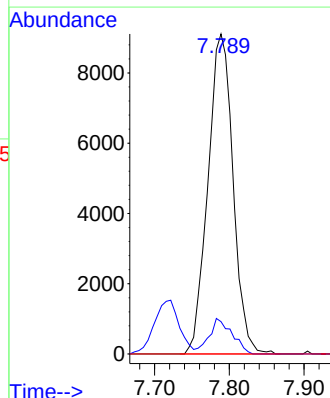
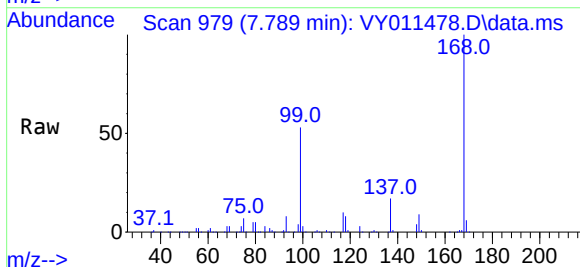


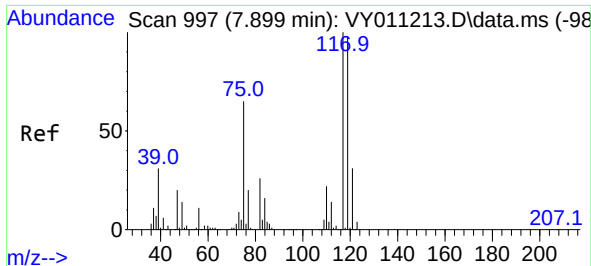
Tgt Ion:113 Resp: 178066
Ion Ratio Lower Upper
113 100
111 102.1 82.6 124.0
192 21.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.634 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011478.D
Acq: 16 Nov 2022 17:01

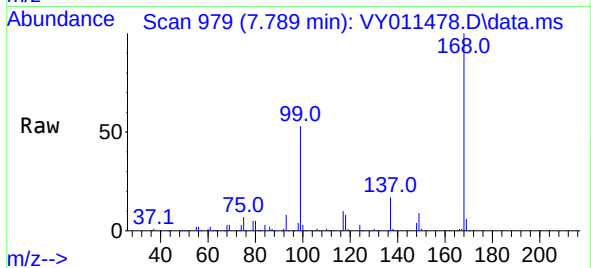
Tgt Ion: 75 Resp: 21291
Ion Ratio Lower Upper
75 100
110 10.1 17.1 51.2#
77 0.0 24.4 36.6#



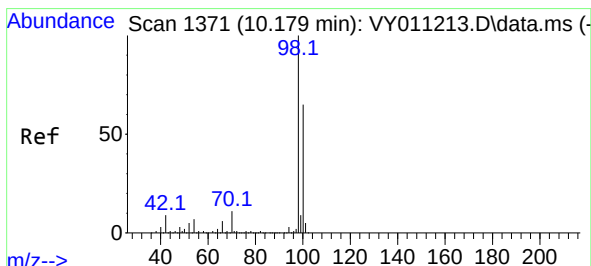
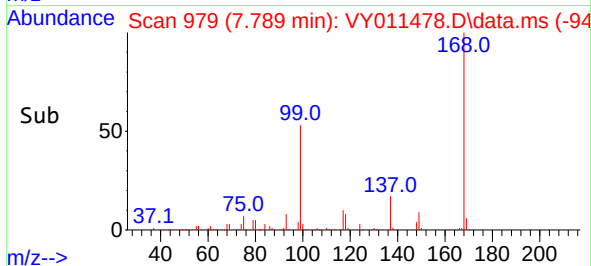
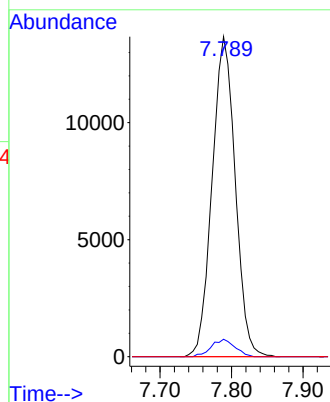


#38
Carbon Tetrachloride
Concen: 6.140 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011478.D
Acq: 16 Nov 2022 17:01

Instrument :
MSVOA_Y
ClientSampleId :

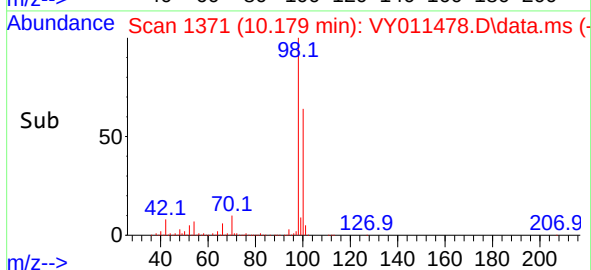
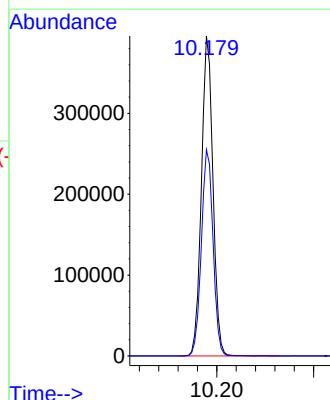
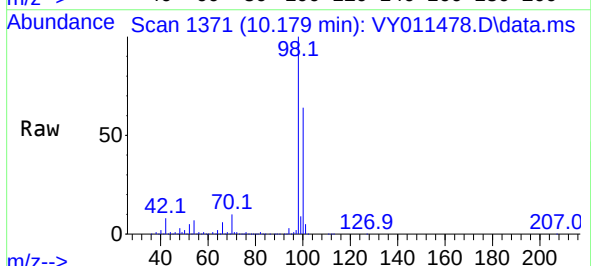


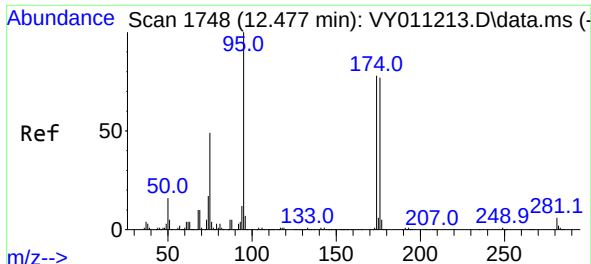
Tgt Ion:117 Resp: 30684
Ion Ratio Lower Upper
117 100
119 5.5 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 57.691 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY011478.D
Acq: 16 Nov 2022 17:01

Tgt Ion: 98 Resp: 652440
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 54.343 ug/l

RT: 12.483 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY011478.D

Acq: 16 Nov 2022 17:01

Instrument :

MSVOA_Y

ClientSampleId :

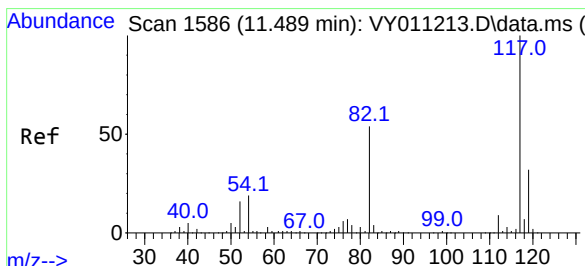
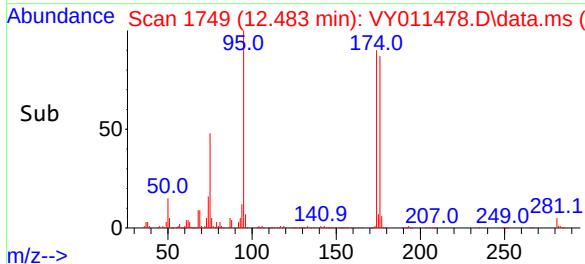
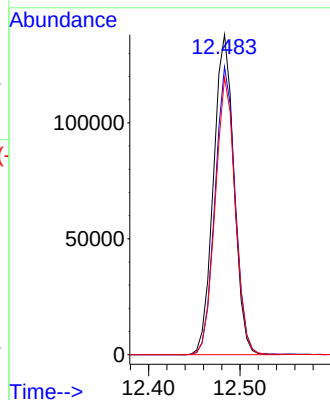
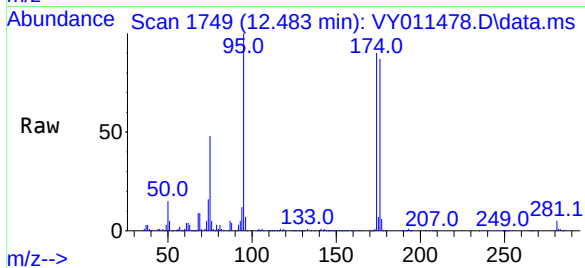
Tgt Ion: 95 Resp: 214360

Ion Ratio Lower Upper

95 100

174 88.6 0.0 177.0

176 85.1 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.001 min

Lab File: VY011478.D

Acq: 16 Nov 2022 17:01

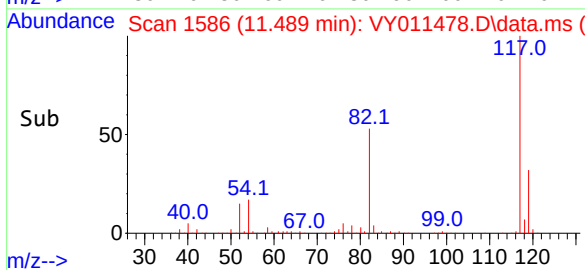
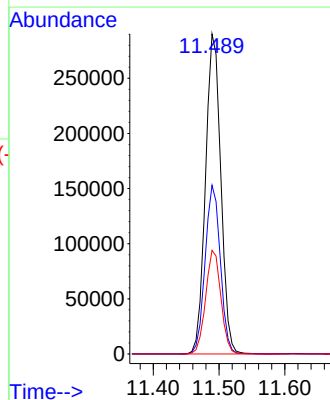
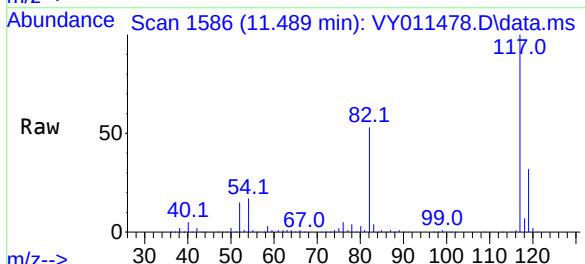
Tgt Ion: 117 Resp: 470800

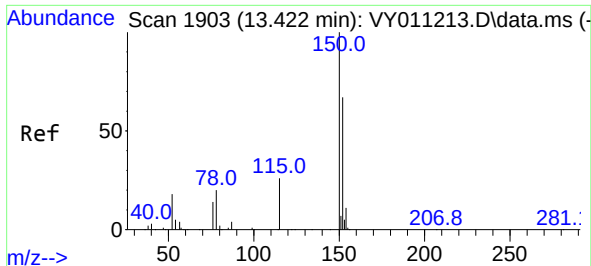
Ion Ratio Lower Upper

117 100

82 52.7 43.0 64.4

119 32.3 25.4 38.0

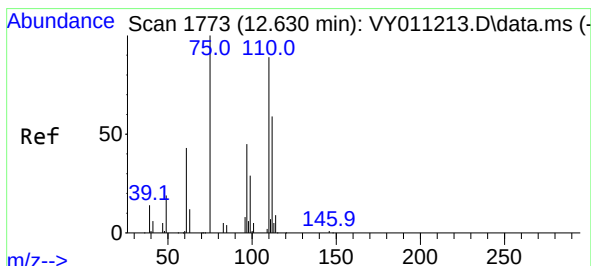
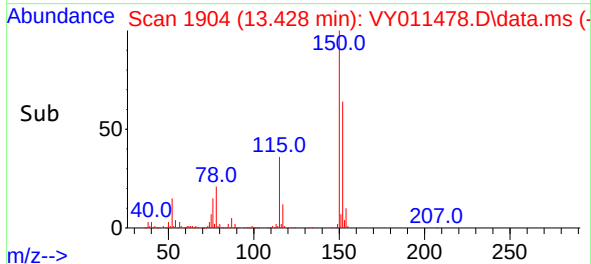
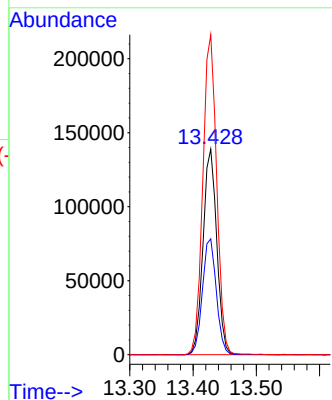
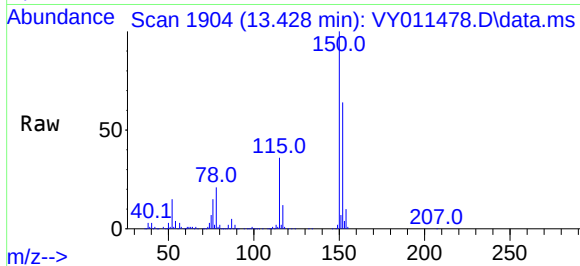




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY011478.D
 Acq: 16 Nov 2022 17:01

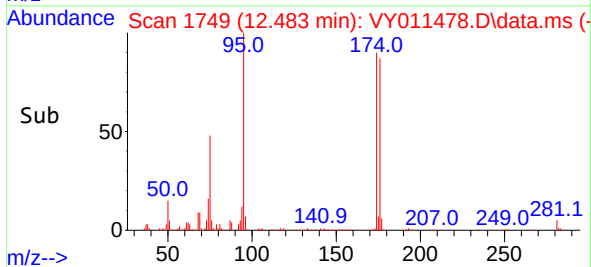
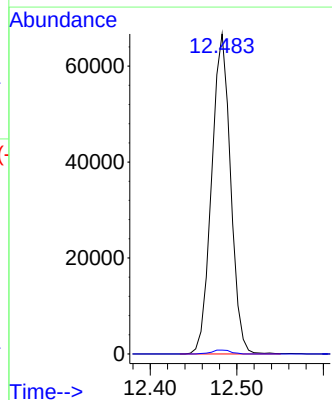
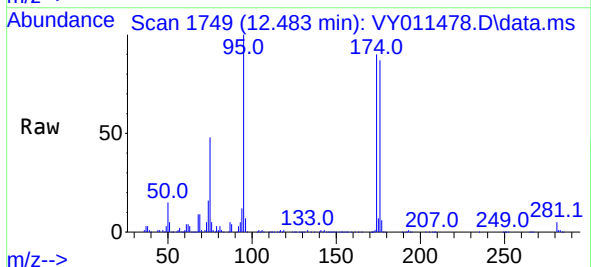
Instrument :
 MSVOA_Y
 ClientSampleId :

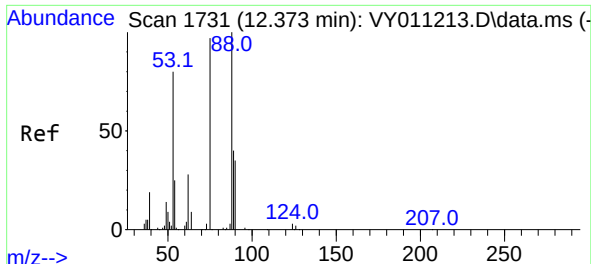
Tgt Ion:152 Resp: 210216
 Ion Ratio Lower Upper
 152 100
 115 57.1 28.2 84.7
 150 156.9 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 41.724 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY011478.D
 Acq: 16 Nov 2022 17:01

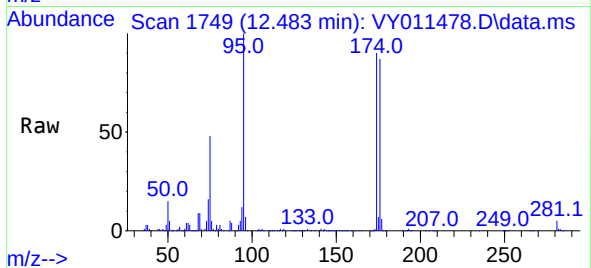
Tgt Ion: 75 Resp: 101528
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



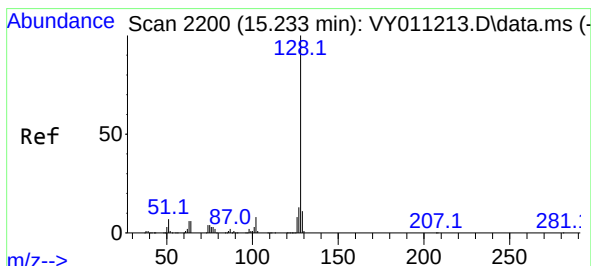
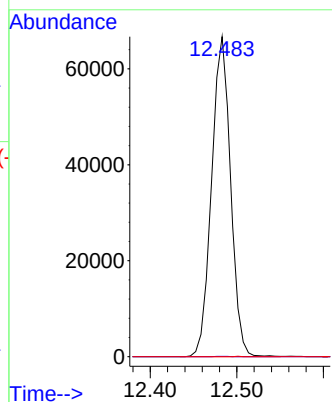
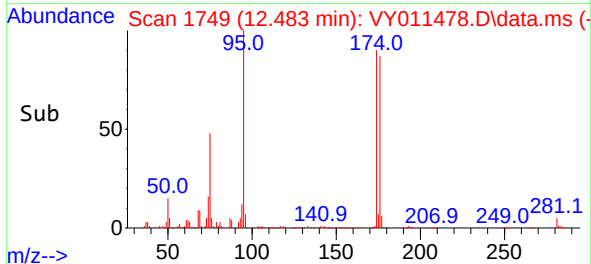


#81
trans-1,4-Dichloro-2-butene
Concen: 100.292 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011478.D
Acq: 16 Nov 2022 17:01

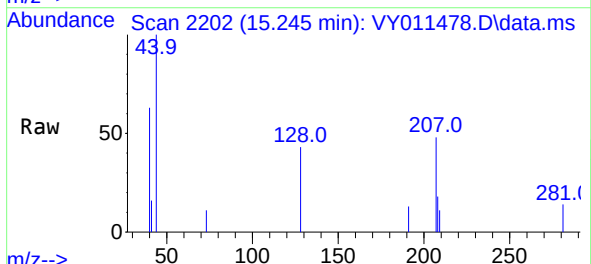
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 101528
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 3.303 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.012 min
Lab File: VY011478.D
Acq: 16 Nov 2022 17:01



Tgt Ion: 128 Resp: 235
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

