

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051822\
 Data File : VY008813.D
 Acq On : 18 May 2022 14:56
 Operator : KP/MD
 Sample : N2869-05
 Misc : 4.31g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P027-SS004-0006-01

Quant Time: May 19 03:10:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

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

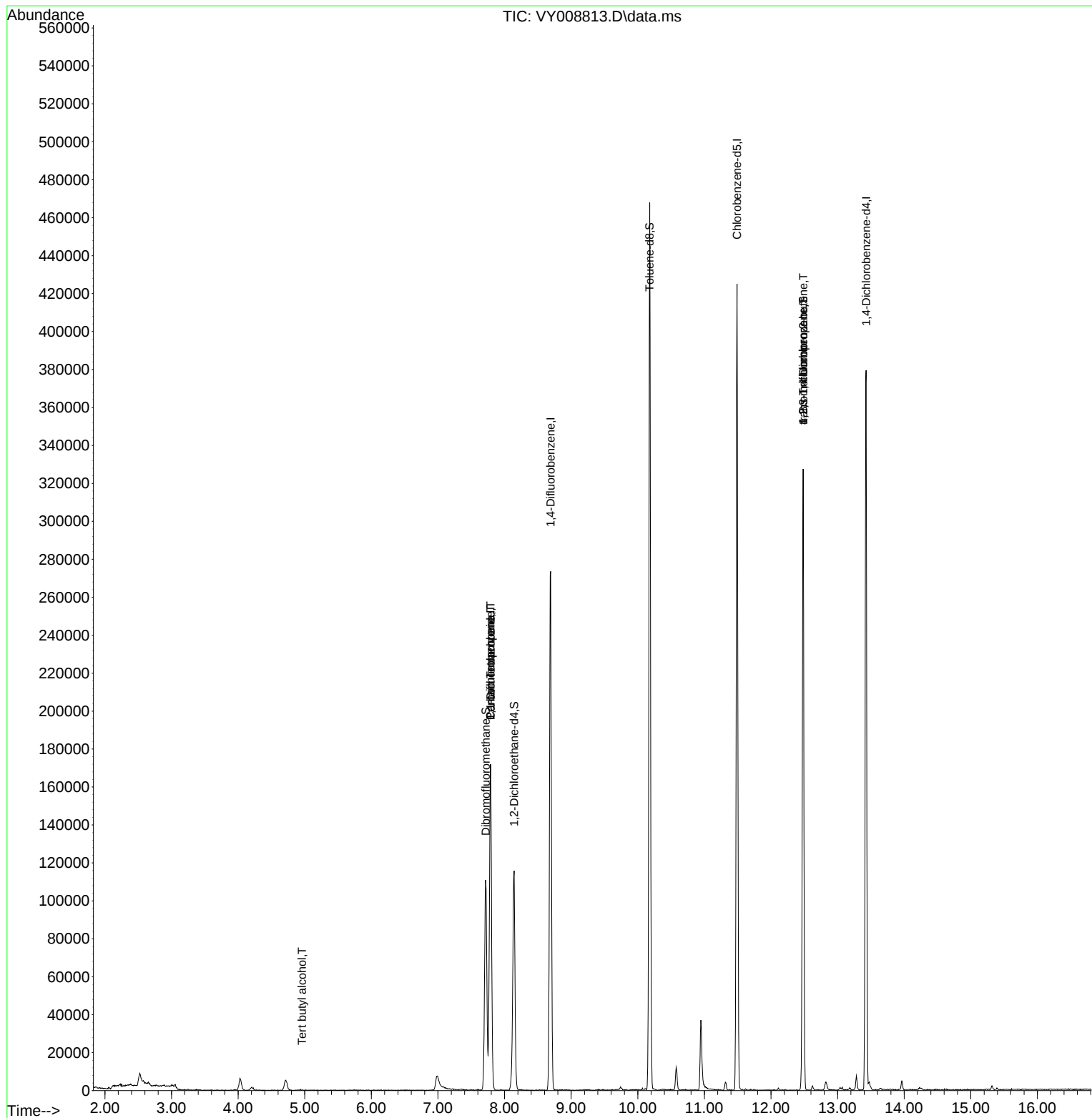
Internal Standards						
1) Pentafluorobenzene	7.789	168	130998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	233350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	222219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	96088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	82603	67.971	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.940%
35) Dibromofluoromethane	7.716	113	76183	55.877	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.760%
50) Toluene-d8	10.179	98	295139	48.783	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.560%
62) 4-Bromofluorobenzene	12.483	95	85687	40.344	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	80.680%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	209	Below Cal	#	52
4) Vinyl Chloride	2.247	62	33	Below Cal	#	43
5) Bromomethane	2.644	94	133	Below Cal	#	48
6) Chloroethane	2.778	64	42	Below Cal	#	43
7) Trichlorofluoromethane	3.119	101	23	Below Cal	#	21
11) Tert butyl alcohol	4.960	59	359	2.673	ug/l #	77
16) Acetone	3.954	43	583	Below Cal		90
18) Methyl Acetate	4.704	43	25	Below Cal	#	56
20) Methylene Chloride	4.710	84	3824	Below Cal		93
31) Cyclohexane	7.789	56	2937	Below Cal	#	6
36) 1,1-Dichloropropene	7.789	75	11208	5.133	ug/l #	49
38) Carbon Tetrachloride	7.789	117	13317	5.690	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	50359	45.370	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	50359	99.238	ug/l #	7

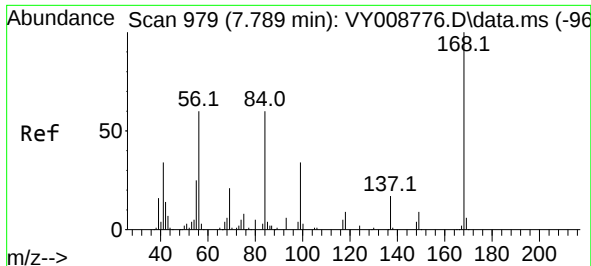
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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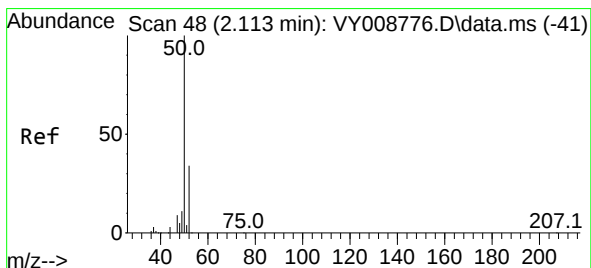
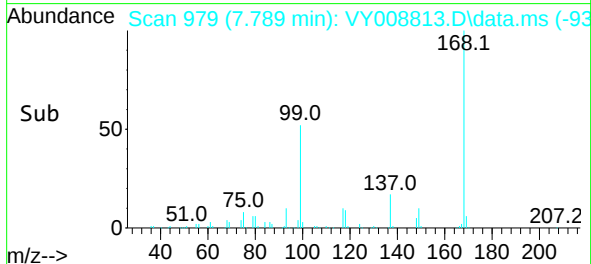
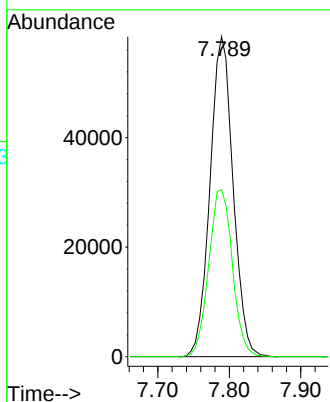
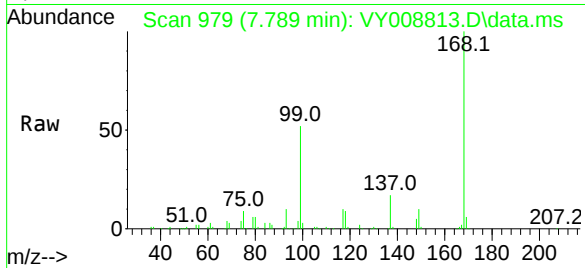




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008813.D
Acq: 18 May 2022 14:56

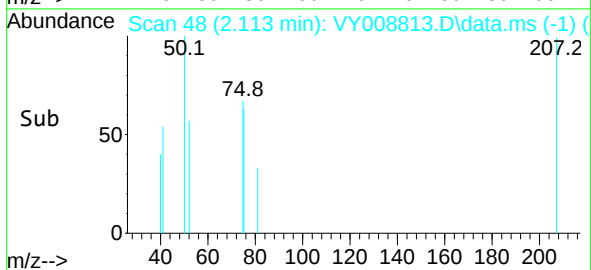
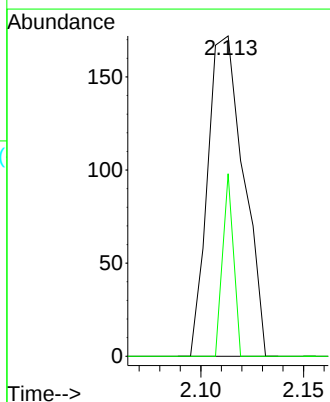
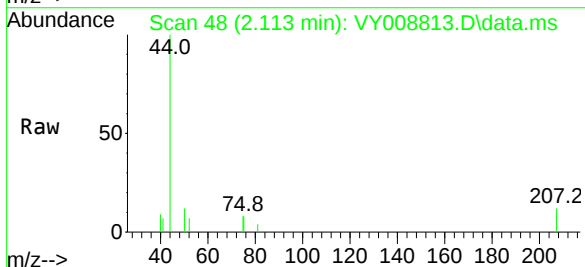
Instrument :
MSVOA_Y
ClientSampleId :
P027-SS004-0006-01

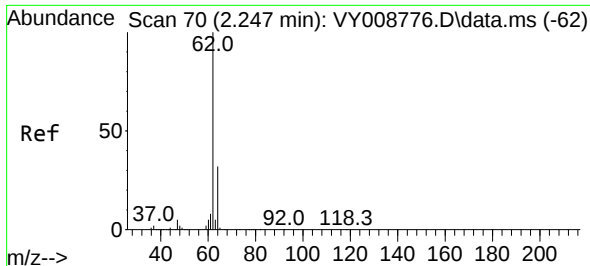
Tgt Ion:168 Resp: 130998
Ion Ratio Lower Upper
168 100
99 52.2 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY008813.D
Acq: 18 May 2022 14:56

Tgt Ion: 50 Resp: 209
Ion Ratio Lower Upper
50 100
52 57.0 24.6 37.0#

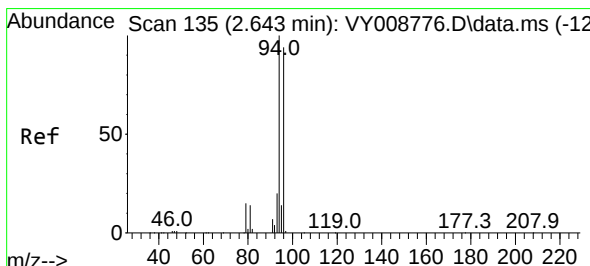
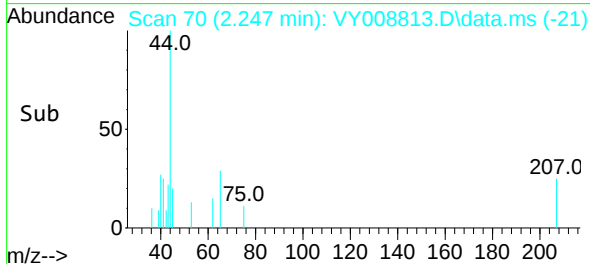
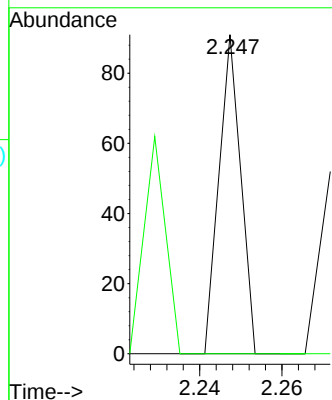
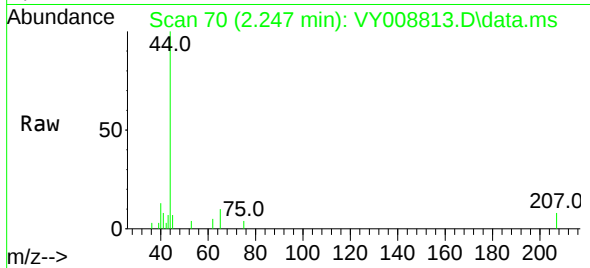




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.247 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VY008813.D
 Acq: 18 May 2022 14:56

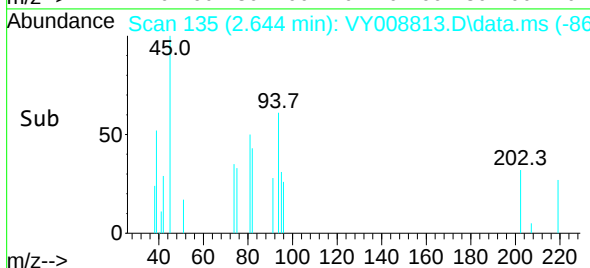
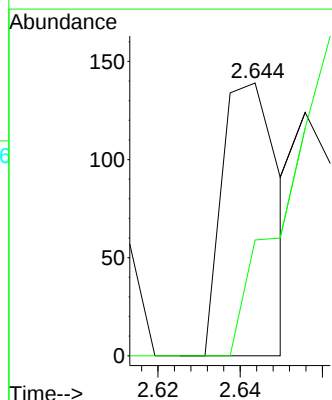
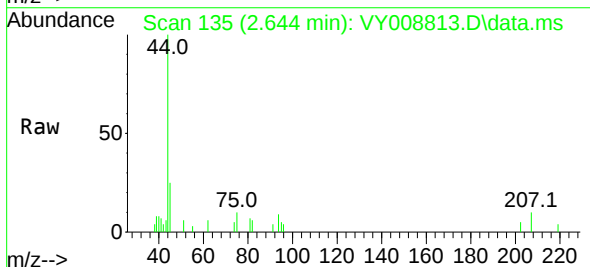
Instrument :
 MSVOA_Y
 ClientSampleId :
 P027-SS004-0006-01

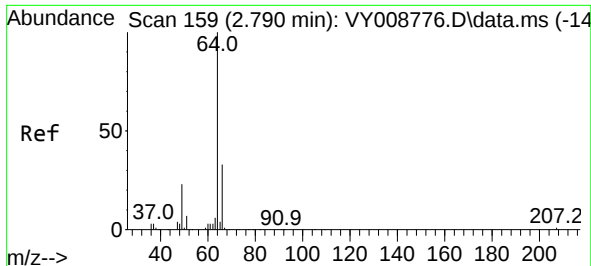
Tgt Ion: 62 Resp: 33
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.644 min Scan# 135
 Delta R.T. 0.001 min
 Lab File: VY008813.D
 Acq: 18 May 2022 14:56

Tgt Ion: 94 Resp: 133
 Ion Ratio Lower Upper
 94 100
 96 42.4 73.5 110.3#

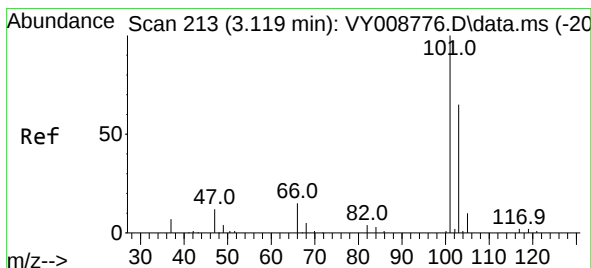
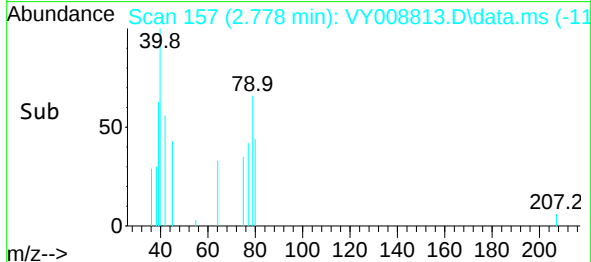
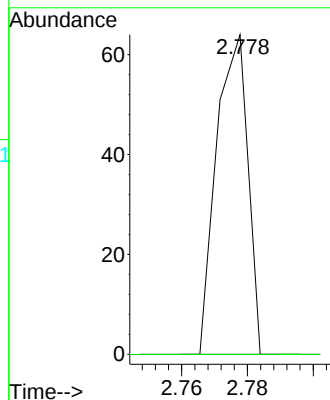
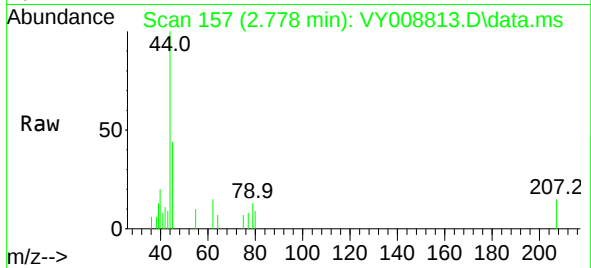




#6
Chloroethane
Concen: Below Cal
RT: 2.778 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY008813.D
Acq: 18 May 2022 14:56

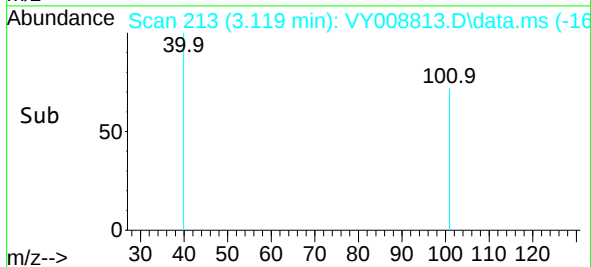
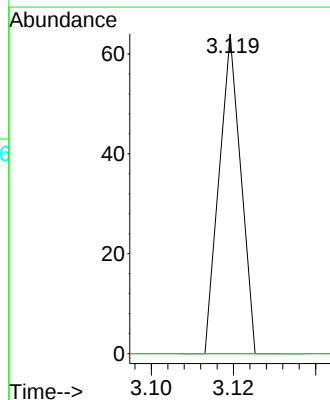
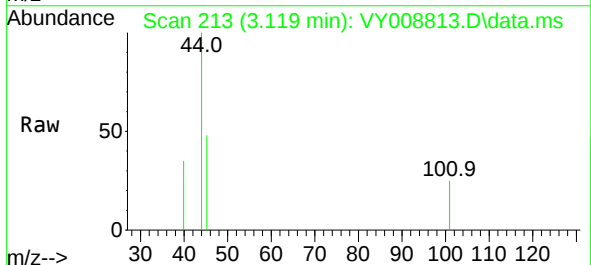
Instrument :
MSVOA_Y
ClientSampleId :
P027-SS004-0006-01

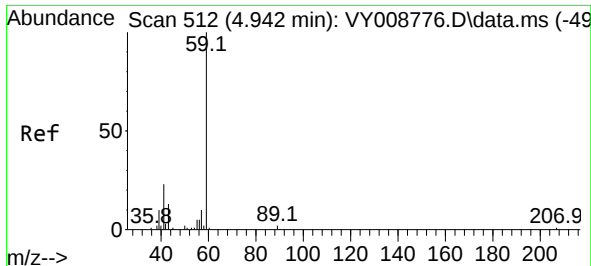
Tgt Ion: 64 Resp: 42
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.119 min Scan# 213
Delta R.T. 0.000 min
Lab File: VY008813.D
Acq: 18 May 2022 14:56

Tgt Ion: 101 Resp: 23
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#





#11

Tert butyl alcohol

Concen: 2.673 ug/l

RT: 4.960 min Scan# 512

Delta R.T. 0.018 min

Lab File: VY008813.D

Acq: 18 May 2022 14:56

Instrument :

MSVOA_Y

ClientSampleId :

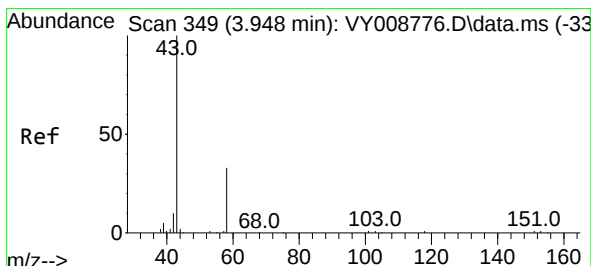
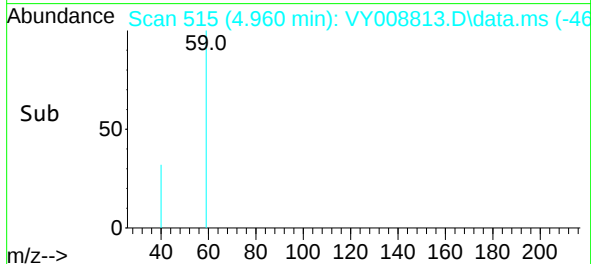
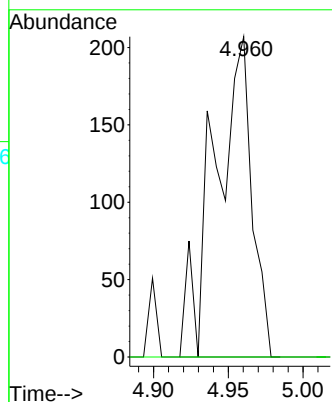
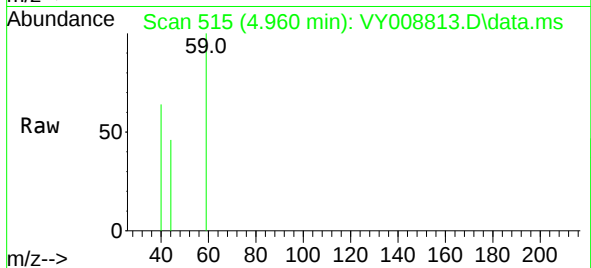
P027-SS004-0006-01

Tgt Ion: 59 Resp: 359

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: Below Cal

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY008813.D

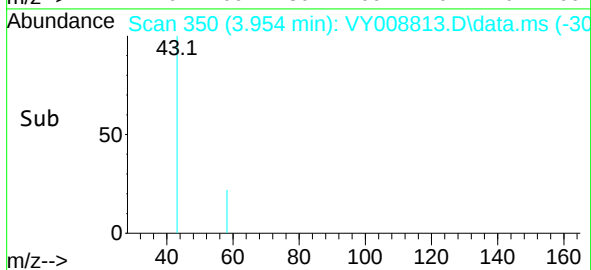
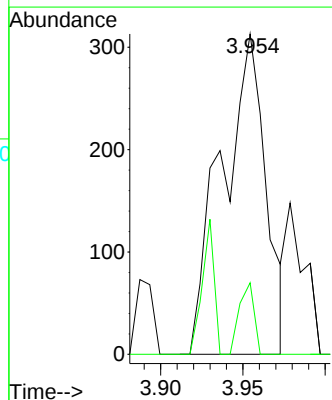
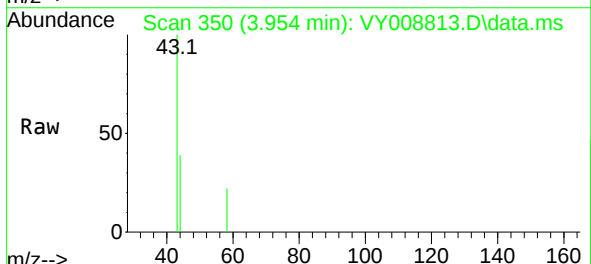
Acq: 18 May 2022 14:56

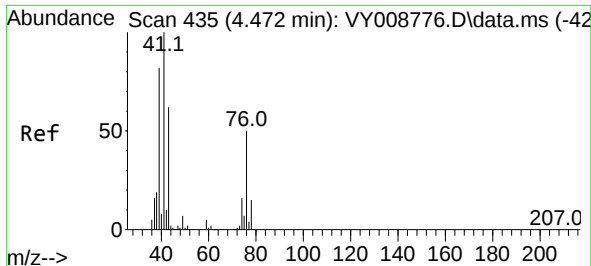
Tgt Ion: 43 Resp: 583

Ion Ratio Lower Upper

43 100

58 22.4 22.0 33.0

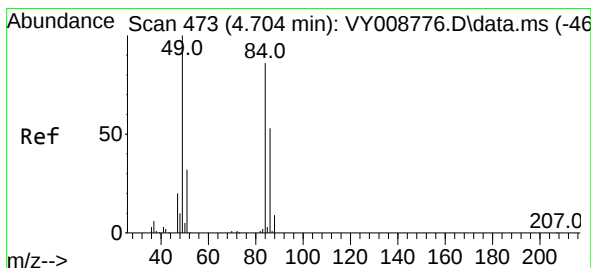
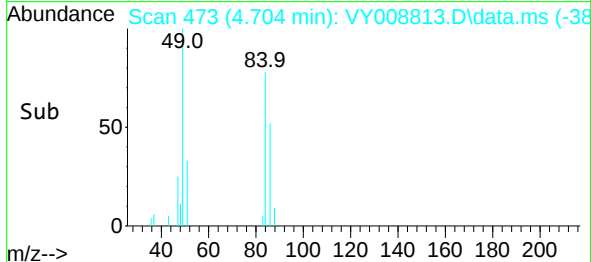
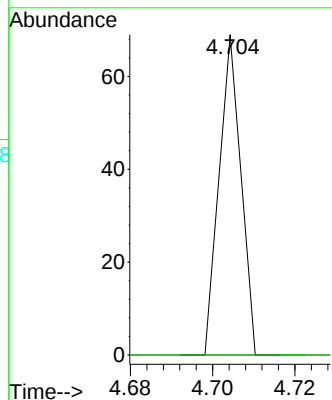
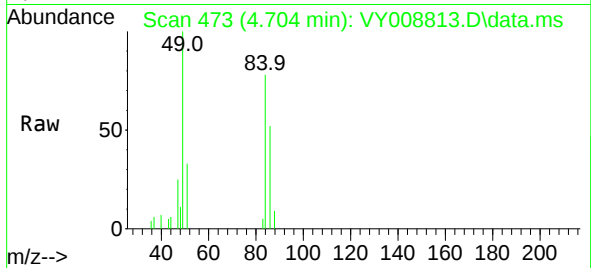




#18
Methyl Acetate
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. 0.232 min
Lab File: VY008813.D
Acq: 18 May 2022 14:56

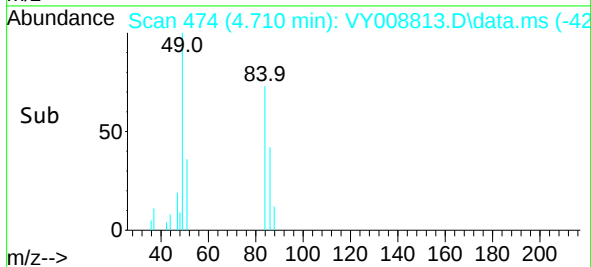
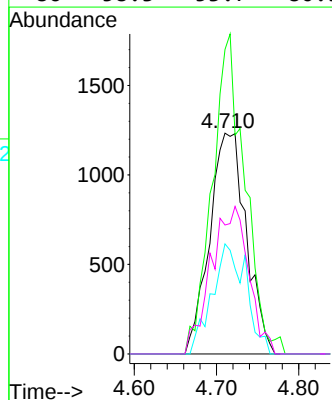
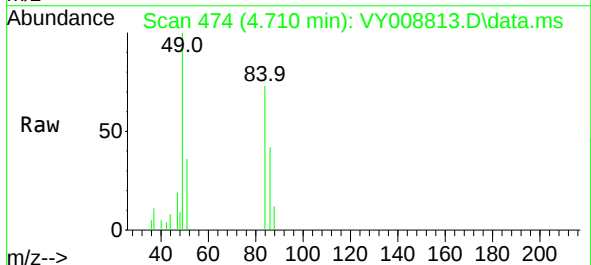
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P027-SS004-0006-01

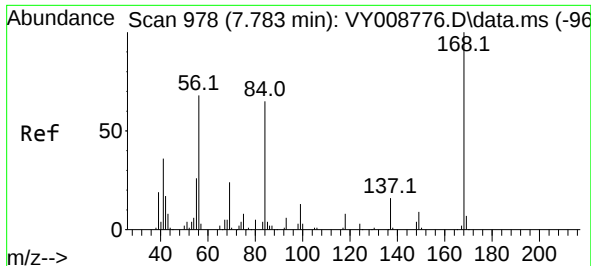
Tgt Ion: 43 Resp: 25
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY008813.D
Acq: 18 May 2022 14:56

Tgt Ion: 84 Resp: 3824
Ion Ratio Lower Upper
84 100
49 137.8 114.4 171.6
51 49.8 35.3 52.9
86 58.3 53.7 80.5

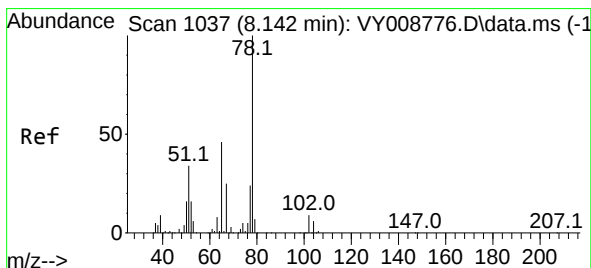
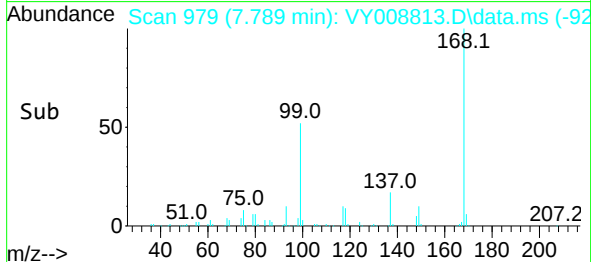
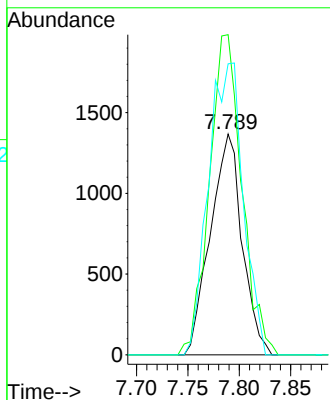
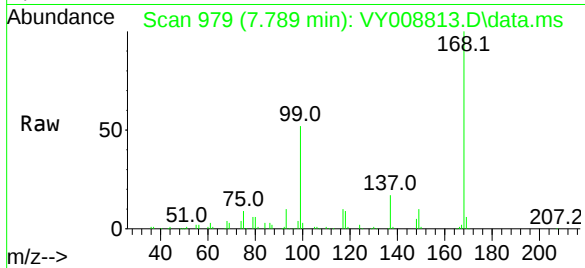




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008813.D
Acq: 18 May 2022 14:56

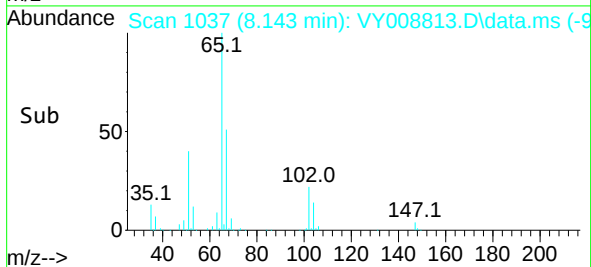
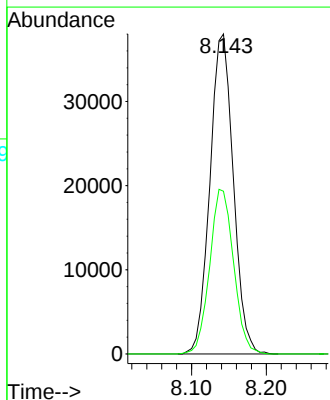
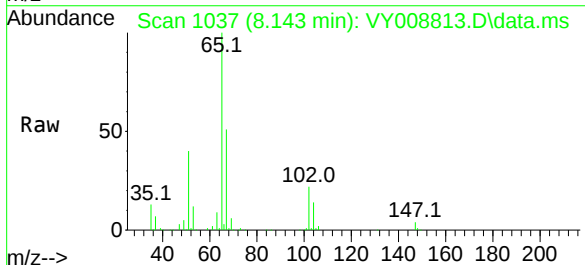
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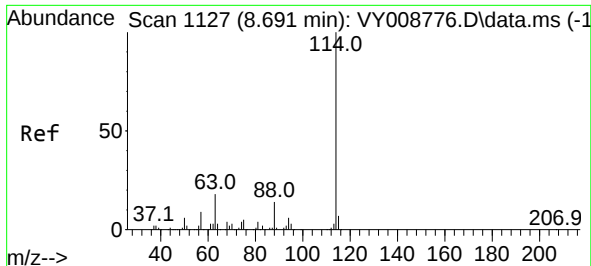
Tgt Ion: 56 Resp: 2937
Ion Ratio Lower Upper
56 100
69 145.1 26.7 40.1#
84 131.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 67.971 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008813.D
Acq: 18 May 2022 14:56

Tgt Ion: 65 Resp: 82603
Ion Ratio Lower Upper
65 100
67 52.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008813.D

Acq: 18 May 2022 14:56

Instrument :

MSVOA_Y

ClientSampleId :

P027-SS004-0006-01

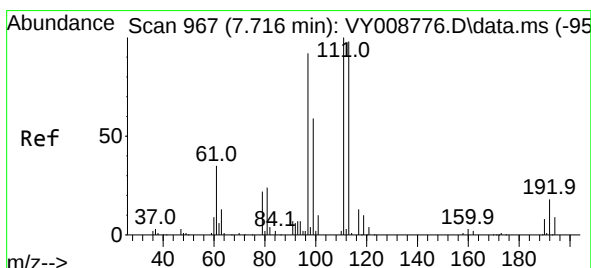
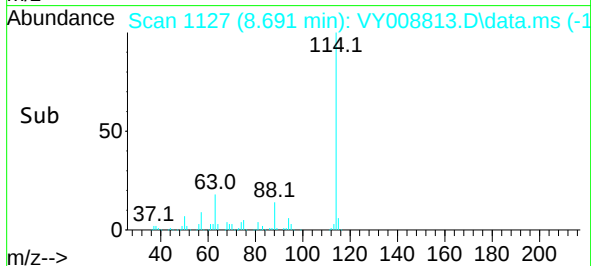
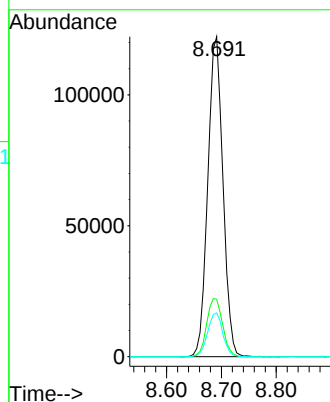
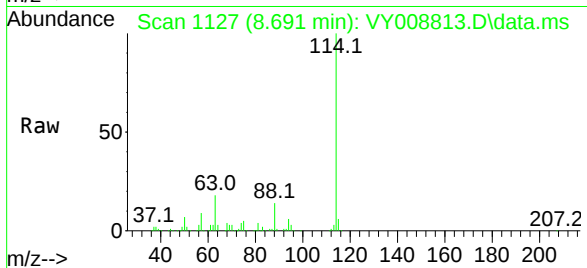
Tgt Ion:114 Resp: 233350

Ion Ratio Lower Upper

114 100

63 18.0 0.0 43.2

88 13.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.877 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008813.D

Acq: 18 May 2022 14:56

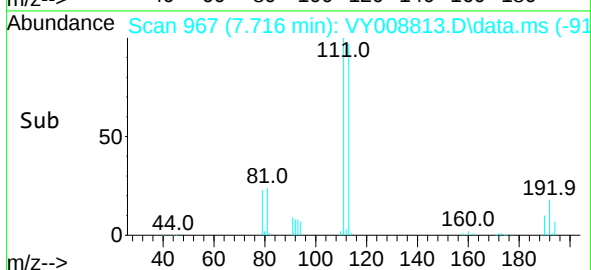
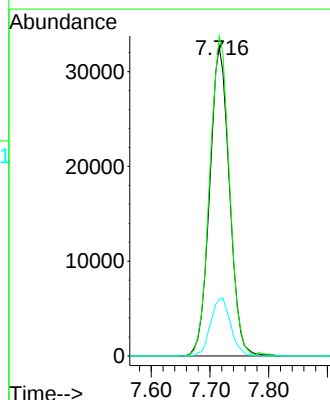
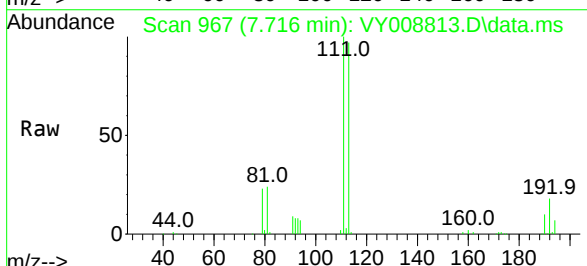
Tgt Ion:113 Resp: 76183

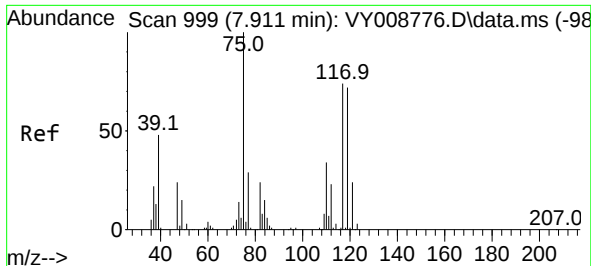
Ion Ratio Lower Upper

113 100

111 103.3 82.6 124.0

192 18.9 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.133 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY008813.D

Acq: 18 May 2022 14:56

Instrument :

MSVOA_Y

ClientSampleId :

P027-SS004-0006-01

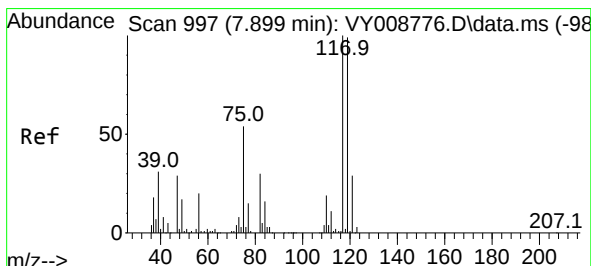
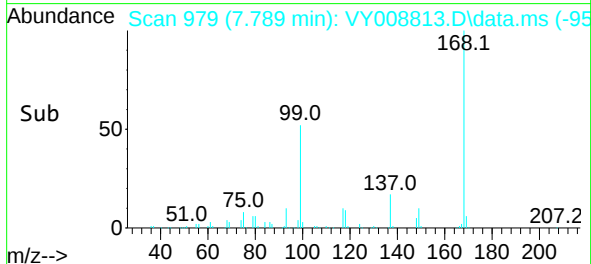
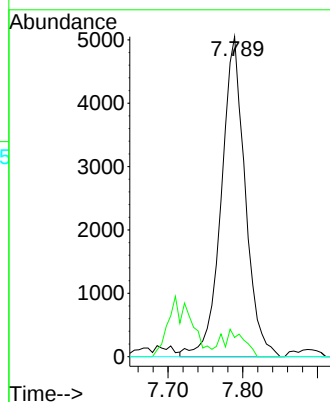
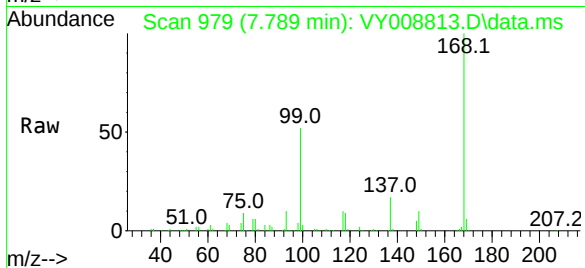
Tgt Ion: 75 Resp: 11208

Ion Ratio Lower Upper

75 100

110 7.7 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.690 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY008813.D

Acq: 18 May 2022 14:56

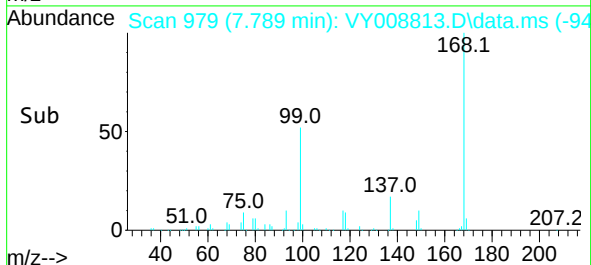
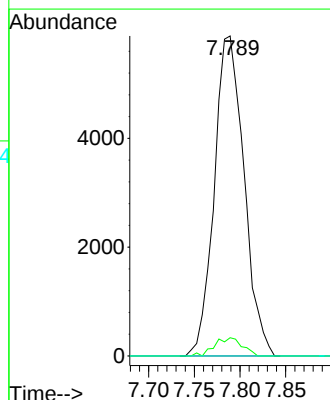
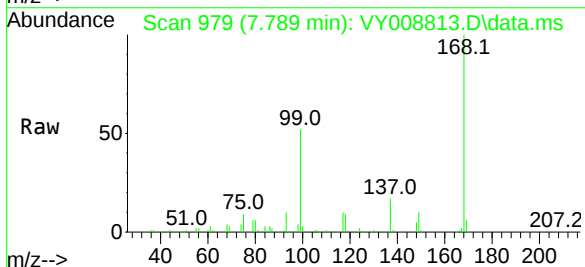
Tgt Ion: 117 Resp: 13317

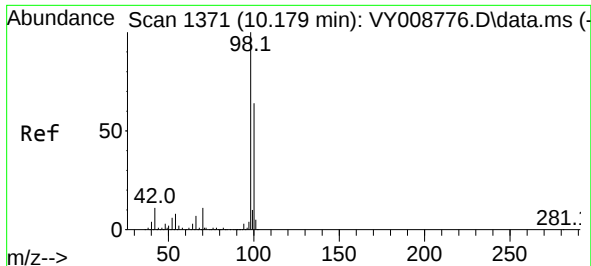
Ion Ratio Lower Upper

117 100

119 5.7 77.9 116.9#

121 0.0 24.8 37.2#

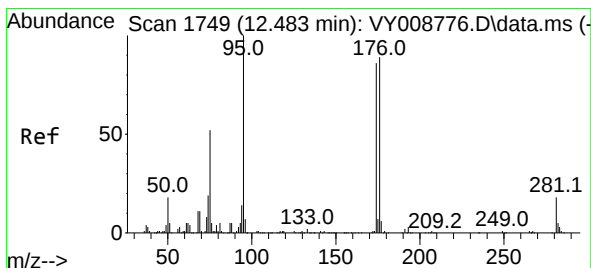
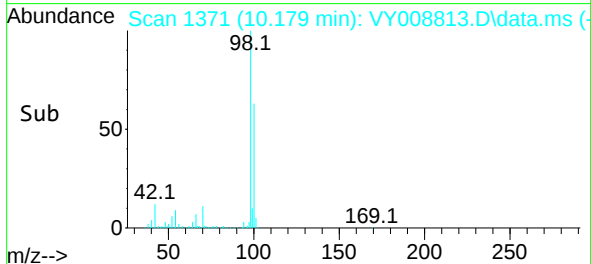
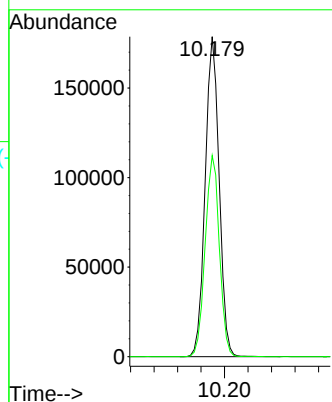
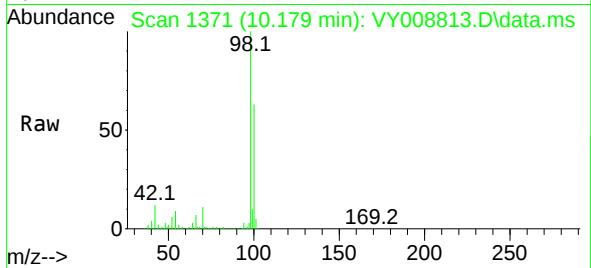




#50
Toluene-d8
Concen: 48.783 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008813.D
Acq: 18 May 2022 14:56

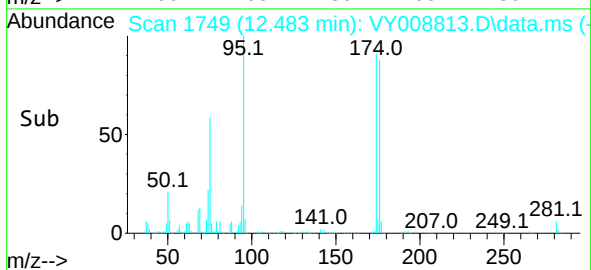
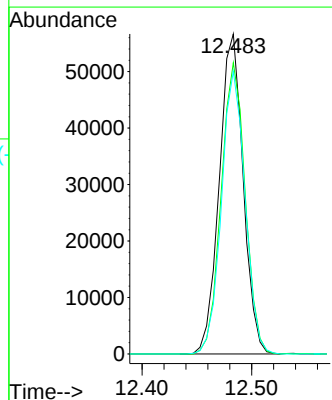
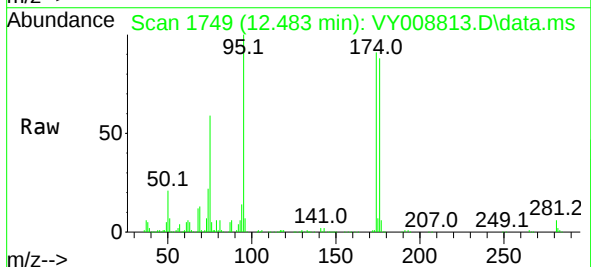
Instrument :
MSVOA_Y
ClientSampleId :
P027-SS004-0006-01

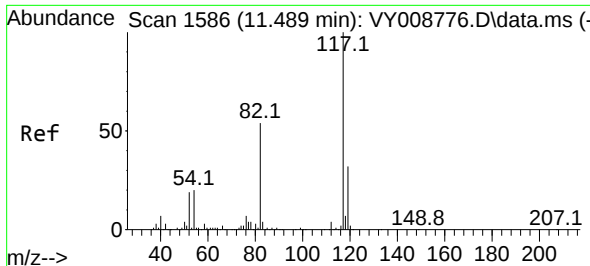
Tgt Ion: 98 Resp: 295139
Ion Ratio Lower Upper
98 100
100 63.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.344 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008813.D
Acq: 18 May 2022 14:56

Tgt Ion: 95 Resp: 85687
Ion Ratio Lower Upper
95 100
174 91.3 0.0 177.0
176 87.5 0.0 175.8

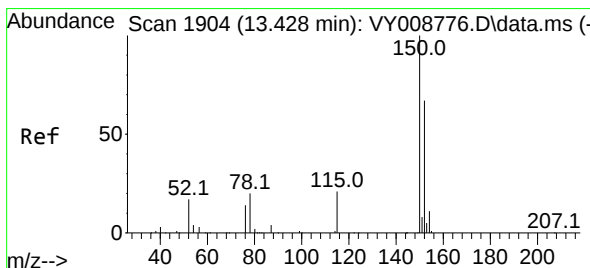
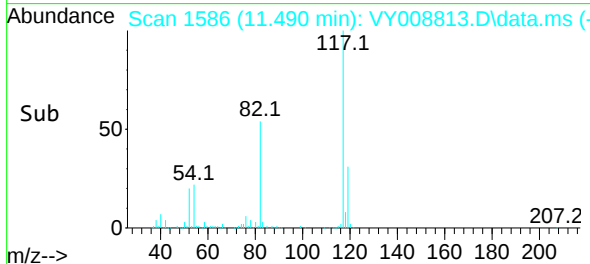
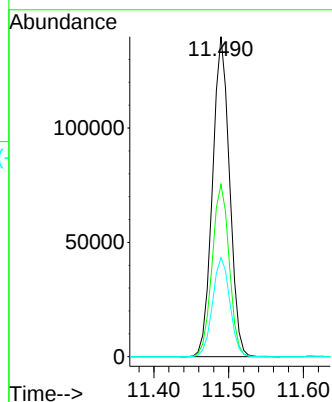
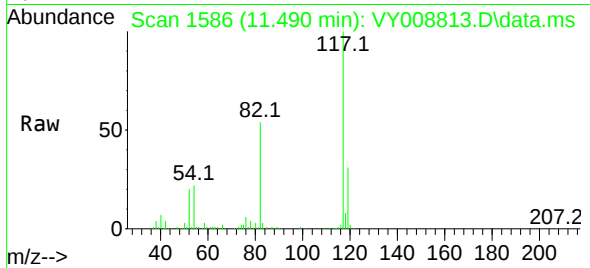




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY008813.D
Acq: 18 May 2022 14:56

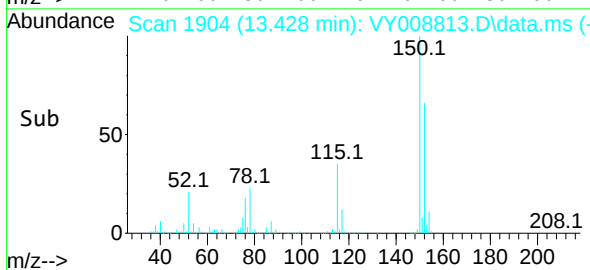
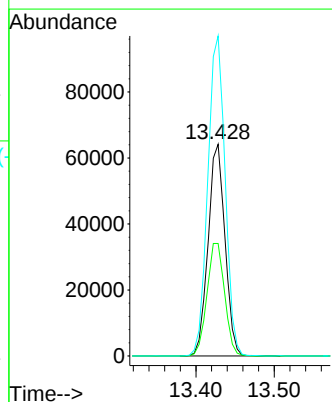
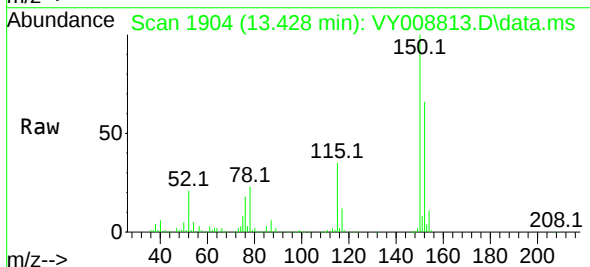
Instrument :
MSVOA_Y
ClientSampleId :
P027-SS004-0006-01

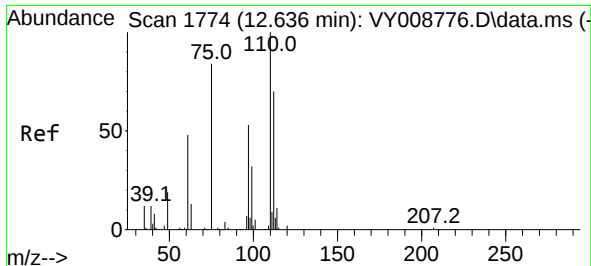
Tgt Ion:117 Resp: 222219
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.4
119 31.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008813.D
Acq: 18 May 2022 14:56

Tgt Ion:152 Resp: 96088
Ion Ratio Lower Upper
152 100
115 55.4 28.2 84.7
150 154.8 0.0 347.6

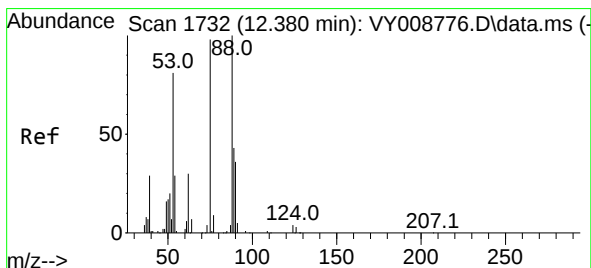
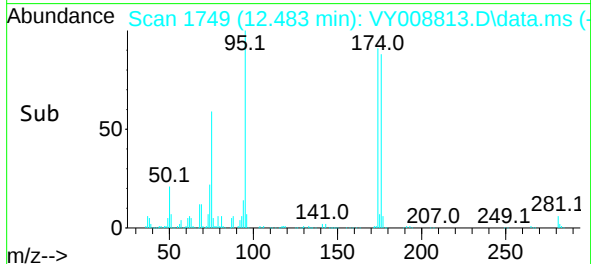
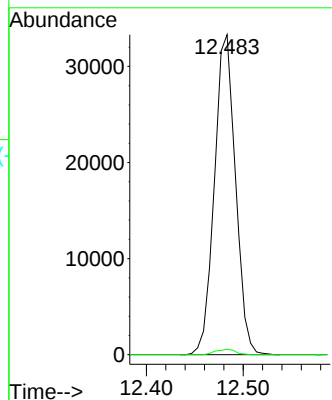
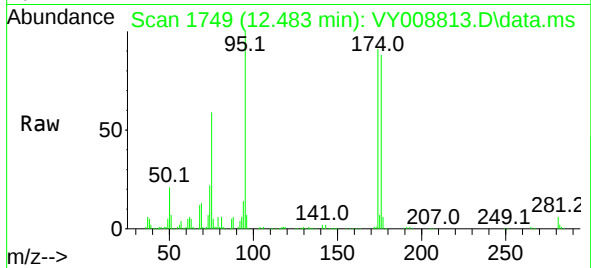




#76
1,2,3-Trichloropropane
Concen: 45.370 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008813.D
Acq: 18 May 2022 14:56

Instrument :
MSVOA_Y
ClientSampleId :
P027-SS004-0006-01

Tgt Ion: 75 Resp: 50359
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.238 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008813.D
Acq: 18 May 2022 14:56

Tgt Ion: 75 Resp: 50359
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

