

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041322\
 Data File : VY008314.D
 Acq On : 13 Apr 2022 15:50
 Operator : KP/MD
 Sample : N2349-17
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DEL-8D

Quant Time: Apr 14 05:57:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

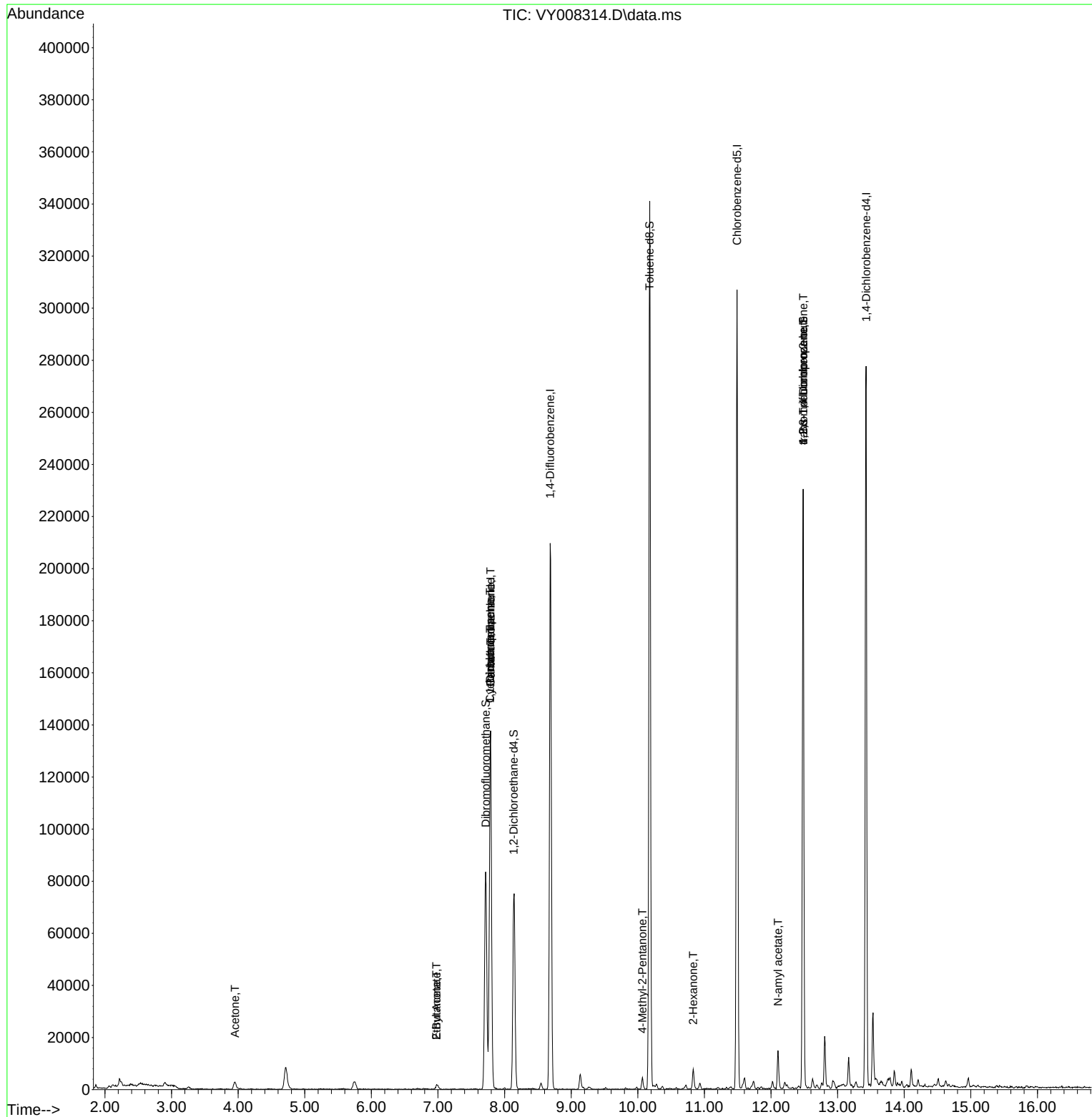
Internal Standards						
1) Pentafluorobenzene	7.789	168	107814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	188247	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	168222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	70926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	58584	57.848	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.700%	
35) Dibromofluoromethane	7.716	113	59398	54.630	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.260%	
50) Toluene-d8	10.179	98	224738	60.406	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 120.820%	
62) 4-Bromofluorobenzene	12.483	95	68398	48.878	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.760%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	289	Below Cal	#	44
5) Bromomethane	2.644	94	47	Below Cal	#	4
16) Acetone	3.954	43	5107	20.966	ug/l	91
18) Methyl Acetate	4.479	43	125	Below Cal	#	56
20) Methylene Chloride	4.716	84	7325	Below Cal	#	74
25) 2-Butanone	6.978	43	3173	8.331	ug/l	94
31) Cyclohexane	7.783	56	2361	1.289	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	8007	4.612	ug/l	# 50
37) Ethyl Acetate	6.978	43	3173	3.544	ug/l	# 72
38) Carbon Tetrachloride	7.789	117	10471	5.606	ug/l	# 15
51) 4-Methyl-2-Pentanone	10.069	43	2617	3.050	ug/l	# 87
59) 2-Hexanone	10.831	43	4988	8.449	ug/l	93
74) N-amyl acetate	12.105	43	8646	7.552	ug/l	# 53
76) 1,2,3-Trichloropropane	12.483	75	36474	46.498	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	36474	104.037	ug/l	# 7

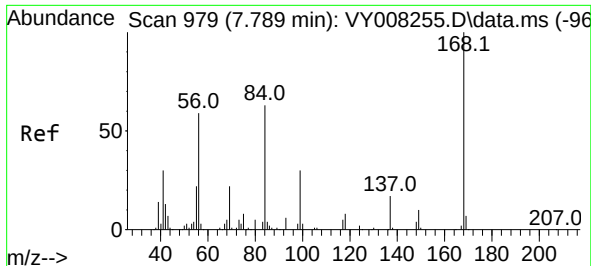
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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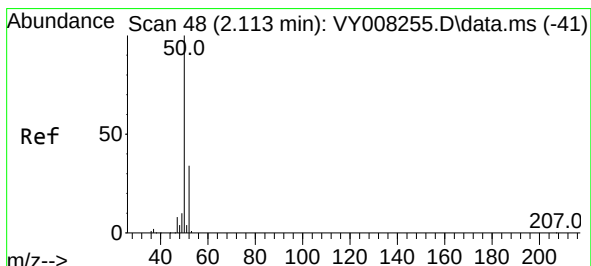
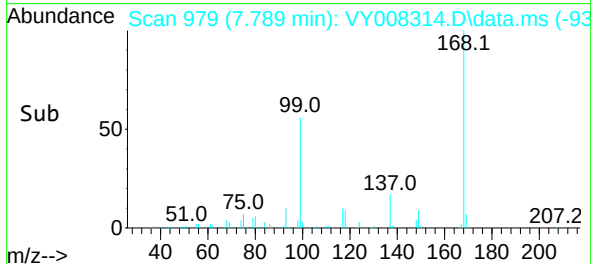
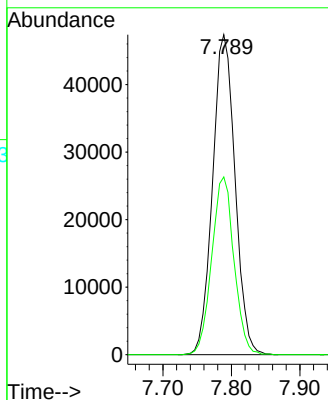
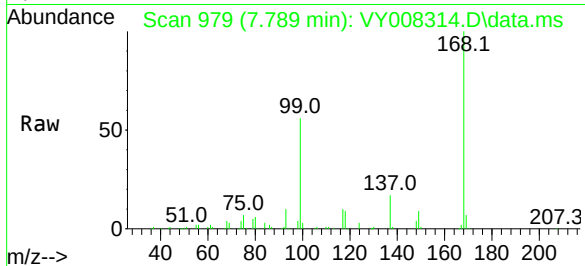




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008314.D
Acq: 13 Apr 2022 15:50

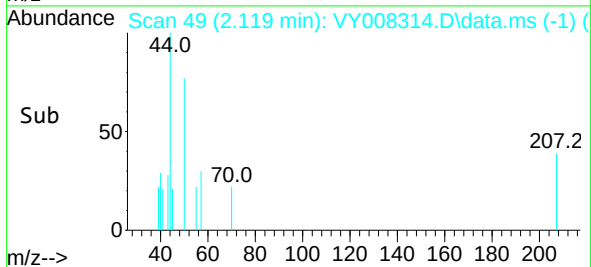
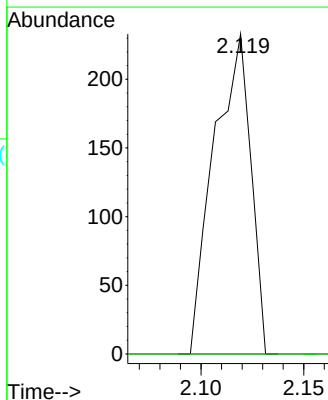
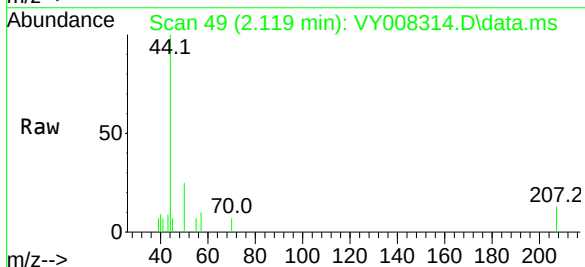
Instrument :
MSVOA_Y
ClientSampleId :
DEL-8D

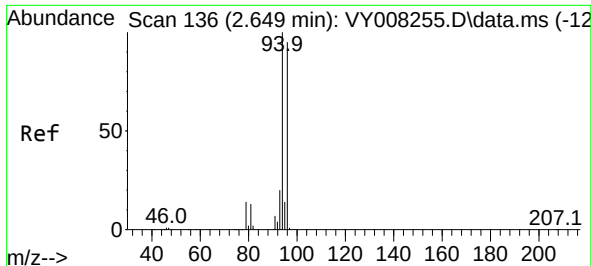
Tgt Ion:168 Resp: 107814
Ion Ratio Lower Upper
168 100
99 55.5 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY008314.D
Acq: 13 Apr 2022 15:50

Tgt Ion: 50 Resp: 289
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

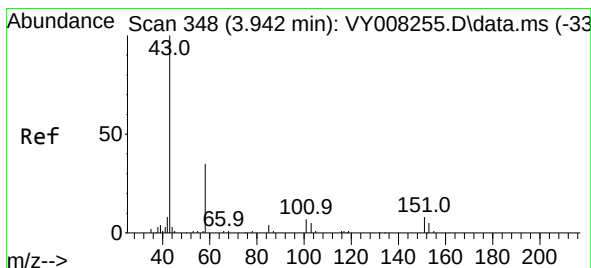
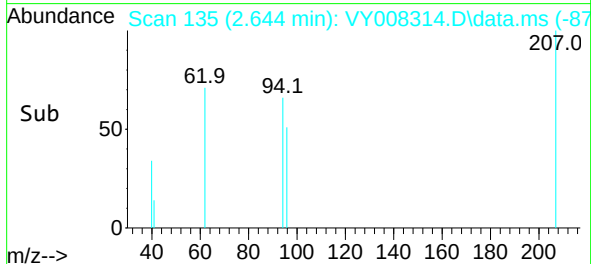
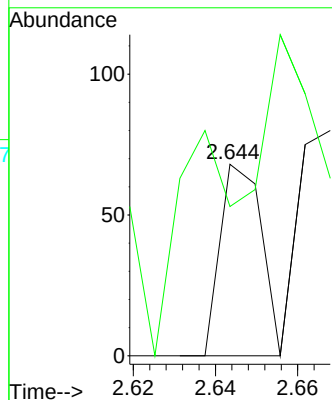
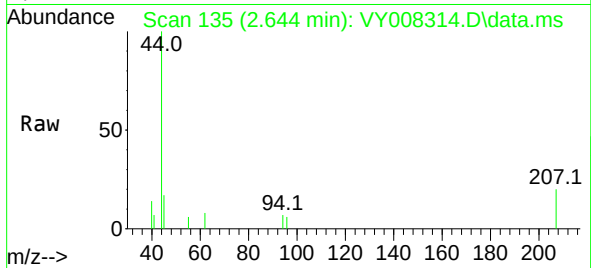




#5
Bromomethane
Concen: Below Cal
RT: 2.644 min Scan# 11
Delta R.T. -0.005 min
Lab File: VY008314.D
Acq: 13 Apr 2022 15:50

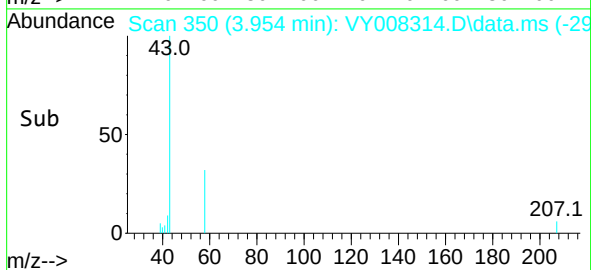
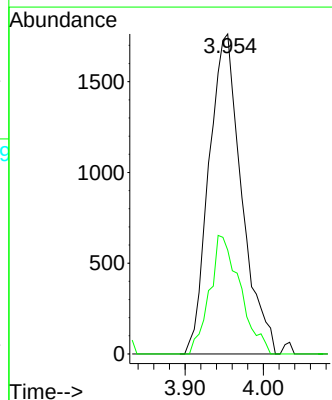
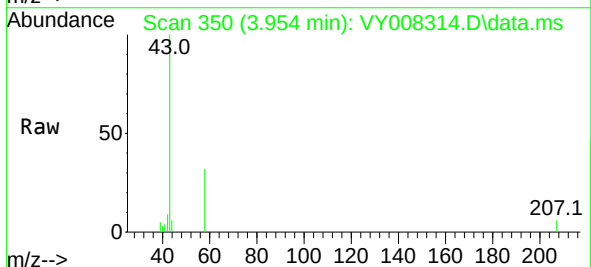
Instrument :
MSVOA_Y
ClientSampleId :
DEL-8D

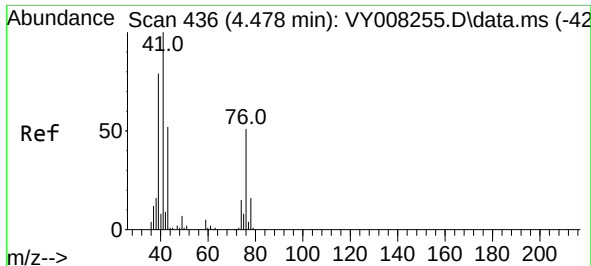
Tgt Ion: 94 Resp: 47
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#



#16
Acetone
Concen: 20.966 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY008314.D
Acq: 13 Apr 2022 15:50

Tgt Ion: 43 Resp: 5107
Ion Ratio Lower Upper
43 100
58 32.4 22.0 33.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.479 min Scan# 41

Delta R.T. 0.001 min

Lab File: VY008314.D

Acq: 13 Apr 2022 15:50

Instrument :

MSVOA_Y

ClientSampleId :

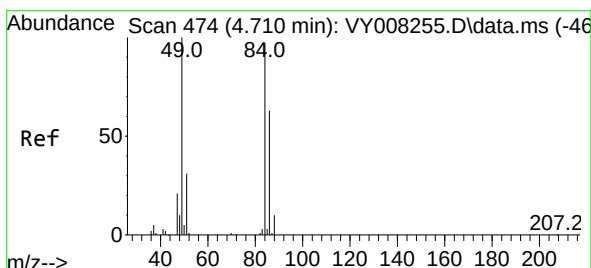
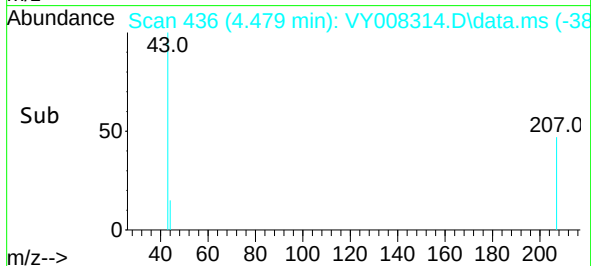
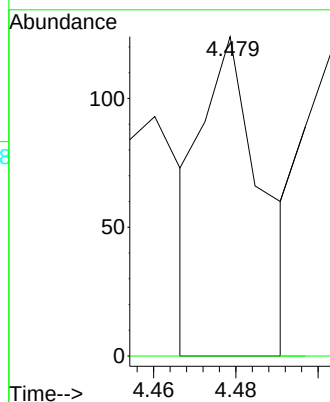
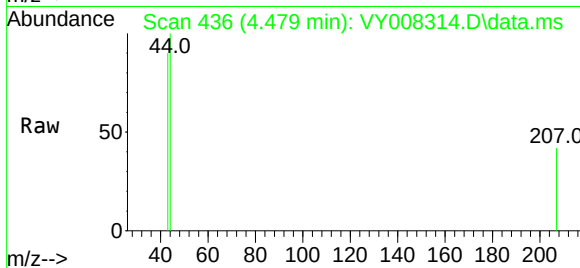
DEL-8D

Tgt Ion: 43 Resp: 125

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY008314.D

Acq: 13 Apr 2022 15:50

Tgt Ion: 84 Resp: 7325

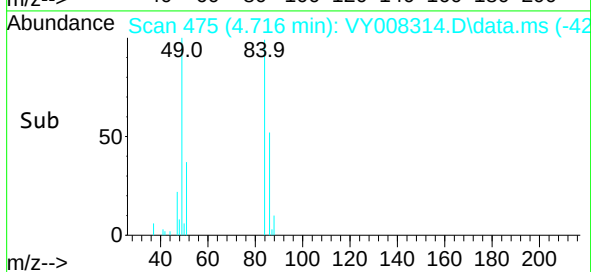
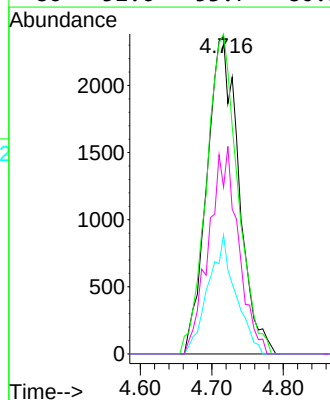
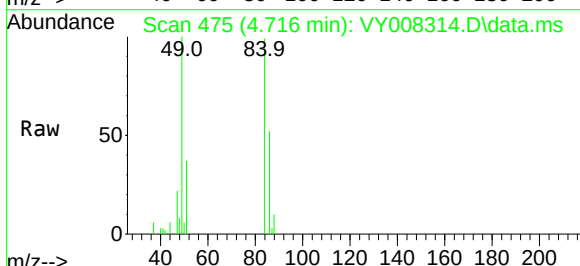
Ion Ratio Lower Upper

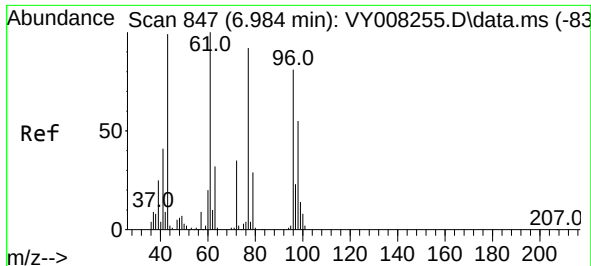
84 100

49 100.8 114.4 171.6#

51 37.5 35.3 52.9

86 52.6 53.7 80.5#





#25

2-Butanone

Concen: 8.331 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY008314.D

Acq: 13 Apr 2022 15:50

Instrument :

MSVOA_Y

ClientSampleId :

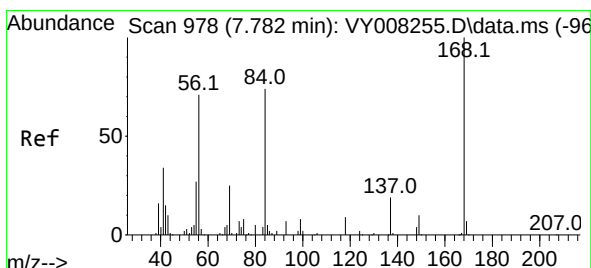
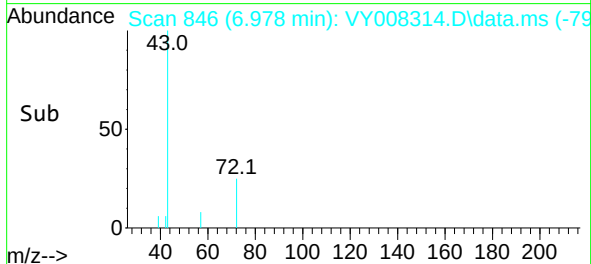
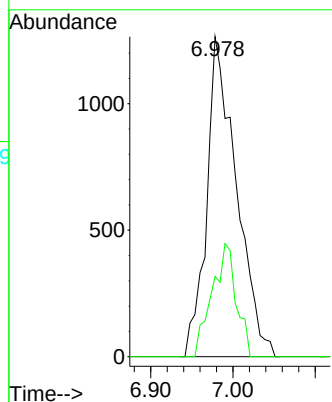
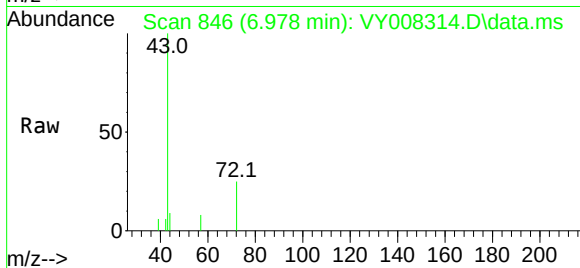
DEL-8D

Tgt Ion: 43 Resp: 3173

Ion Ratio Lower Upper

43 100

72 25.1 17.7 26.5



#31

Cyclohexane

Concen: 1.289 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.001 min

Lab File: VY008314.D

Acq: 13 Apr 2022 15:50

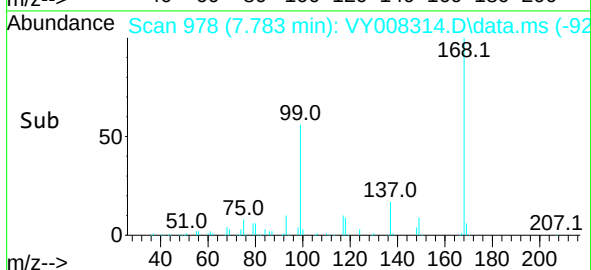
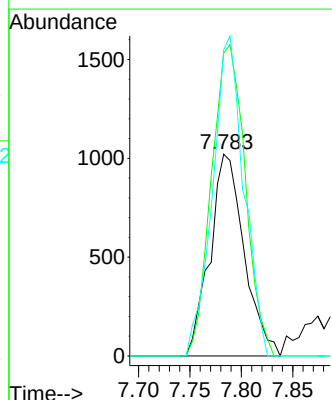
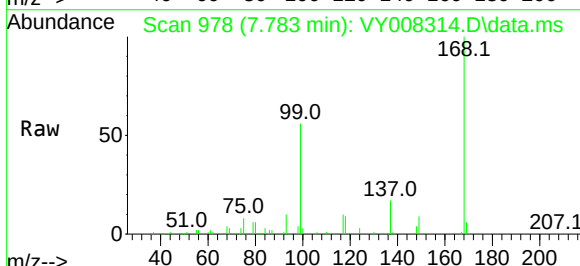
Tgt Ion: 56 Resp: 2361

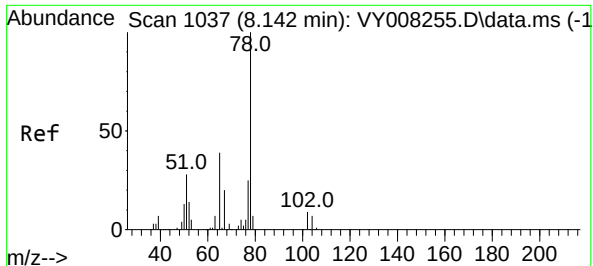
Ion Ratio Lower Upper

56 100

69 150.0 26.7 40.1#

84 151.7 67.2 100.8#

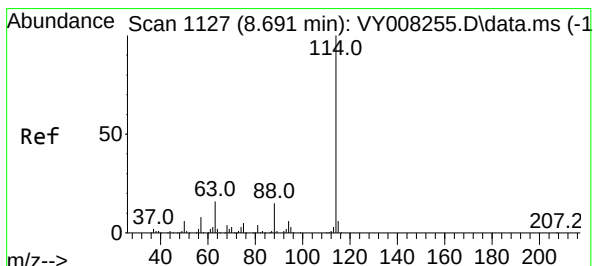
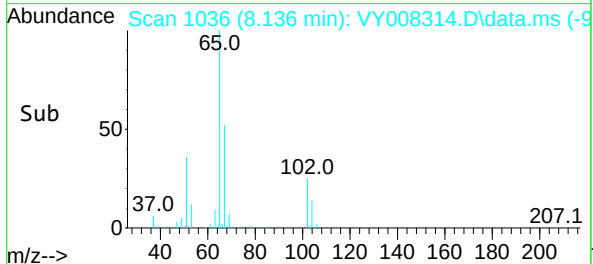
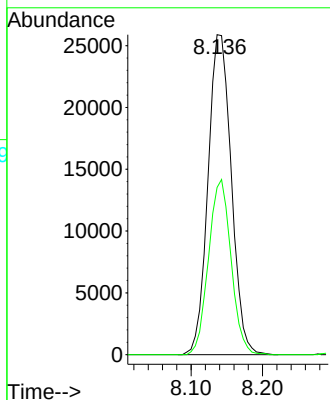
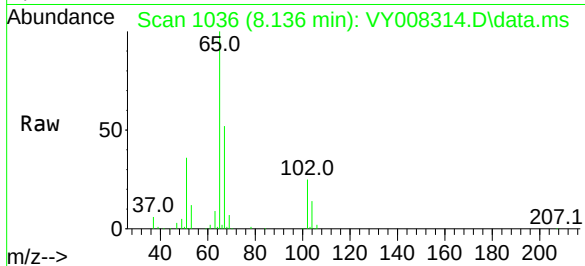




#33
1,2-Dichloroethane-d4
Concen: 57.848 ug/l
RT: 8.136 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY008314.D
Acq: 13 Apr 2022 15:50

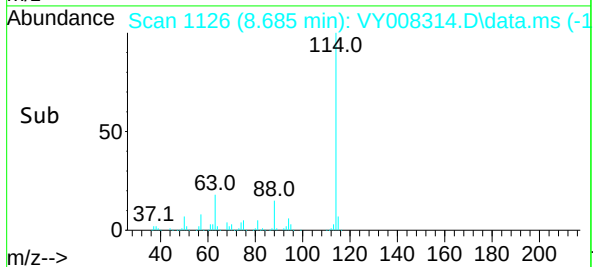
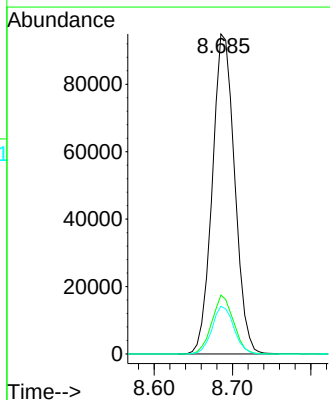
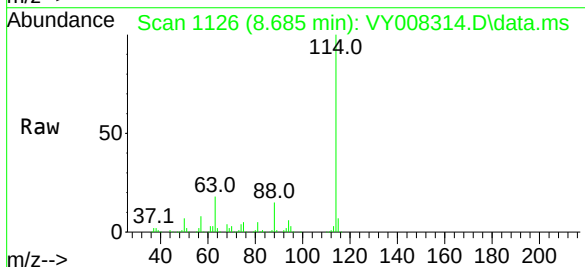
Instrument :
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DEL-8D

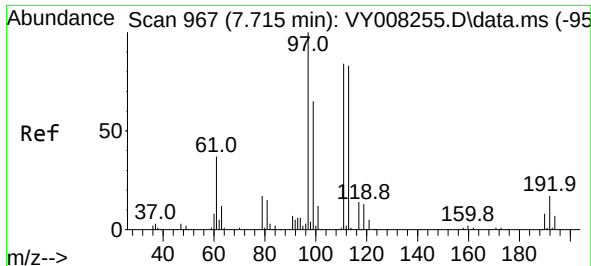
Tgt Ion: 65 Resp: 58584
Ion Ratio Lower Upper
65 100
67 52.8 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY008314.D
Acq: 13 Apr 2022 15:50

Tgt Ion: 114 Resp: 188247
Ion Ratio Lower Upper
114 100
63 18.4 0.0 43.2
88 14.9 0.0 31.8

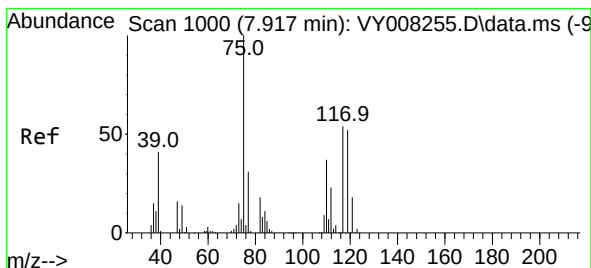
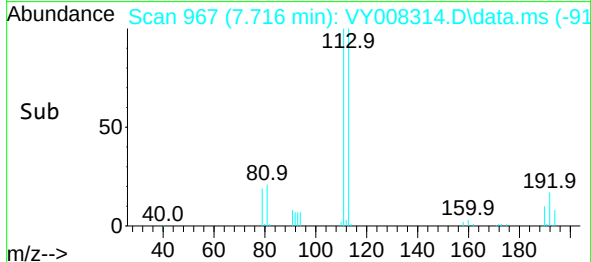
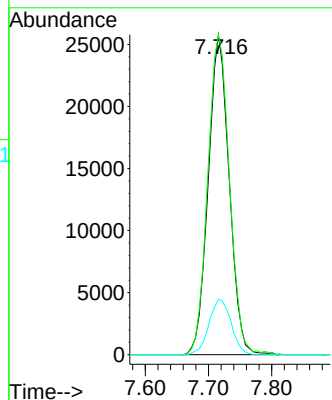
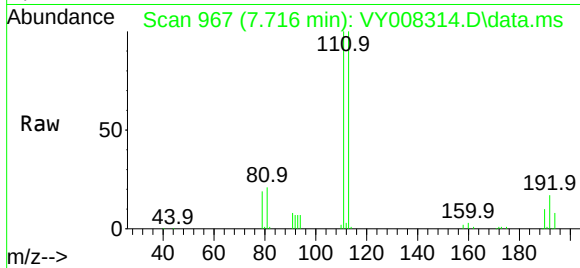




#35
Dibromofluoromethane
Concen: 54.630 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.001 min
Lab File: VY008314.D
Acq: 13 Apr 2022 15:50

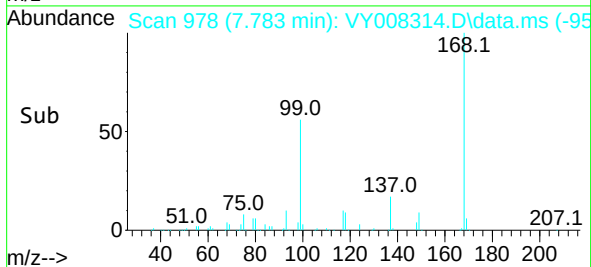
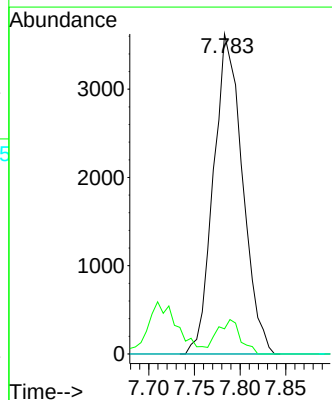
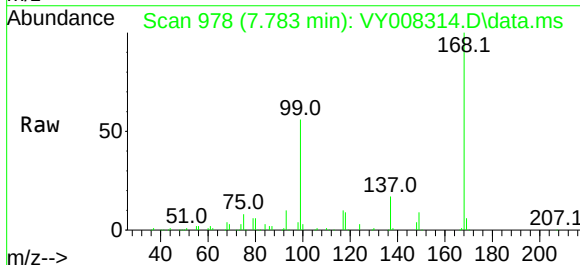
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DEL-8D

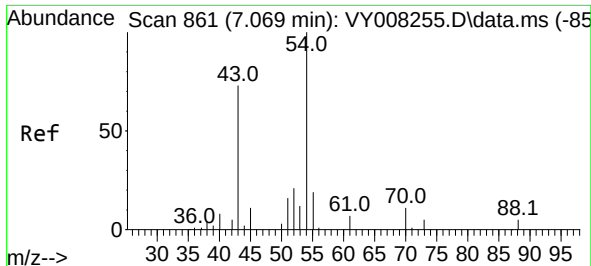
Tgt Ion:113 Resp: 59398
Ion Ratio Lower Upper
113 100
111 104.0 82.6 124.0
192 18.3 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.612 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY008314.D
Acq: 13 Apr 2022 15:50

Tgt Ion: 75 Resp: 8007
Ion Ratio Lower Upper
75 100
110 8.4 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.544 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.091 min

Lab File: VY008314.D

Acq: 13 Apr 2022 15:50

Instrument :

MSVOA_Y

ClientSampleId :

DEL-8D

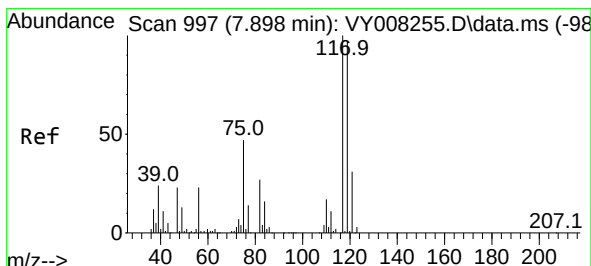
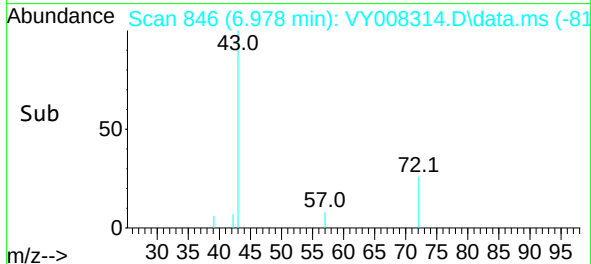
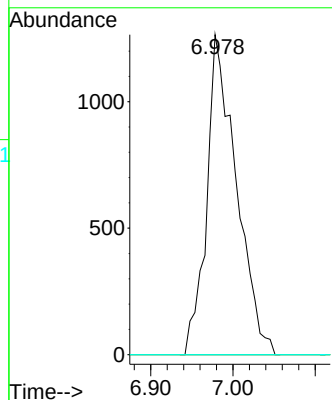
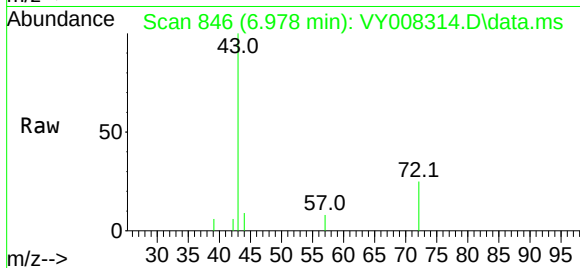
Tgt Ion: 43 Resp: 3173

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.606 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.109 min

Lab File: VY008314.D

Acq: 13 Apr 2022 15:50

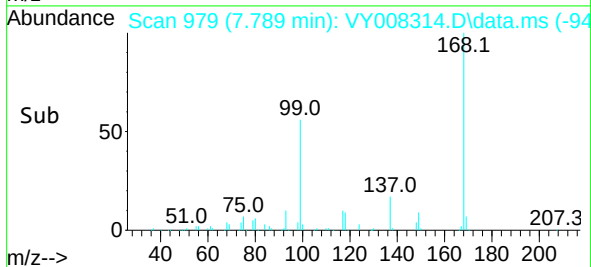
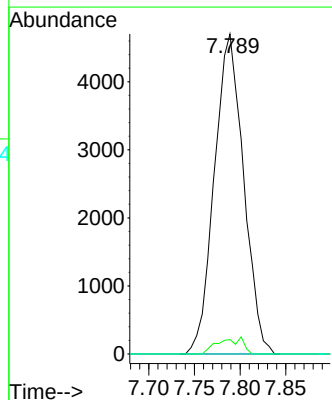
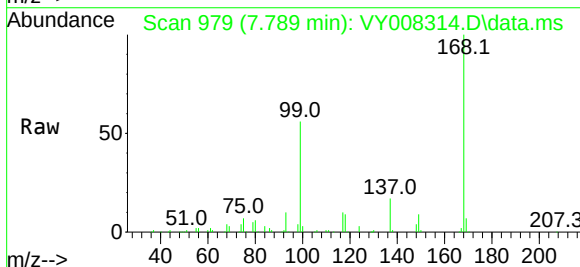
Tgt Ion: 117 Resp: 10471

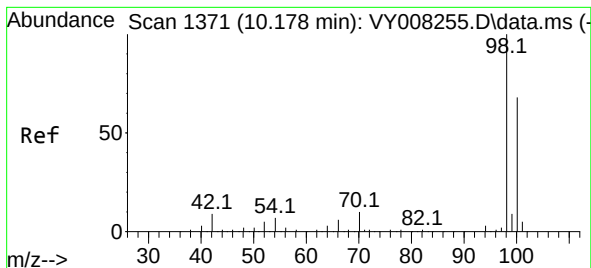
Ion Ratio Lower Upper

117 100

119 4.5 77.9 116.9#

121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 60.406 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.001 min

Lab File: VY008314.D

Acq: 13 Apr 2022 15:50

Instrument :

MSVOA_Y

ClientSampleId :

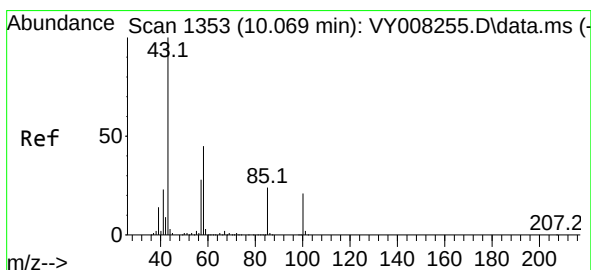
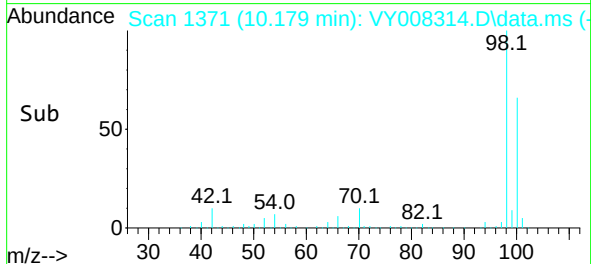
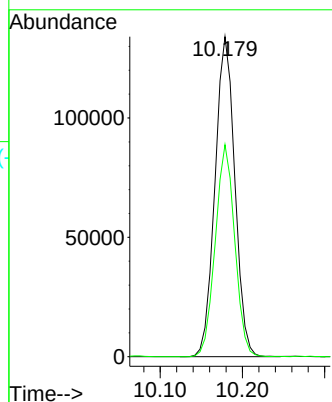
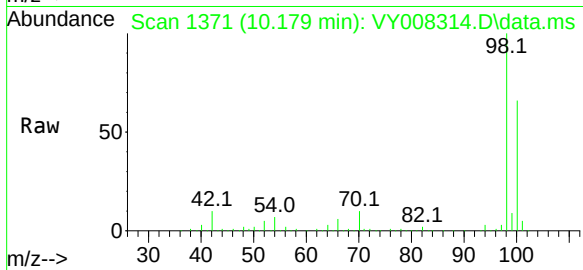
DEL-8D

Tgt Ion: 98 Resp: 224738

Ion Ratio Lower Upper

98 100

100 65.0 50.2 75.2



#51

4-Methyl-2-Pentanone

Concen: 3.050 ug/l

RT: 10.069 min Scan# 1353

Delta R.T. 0.000 min

Lab File: VY008314.D

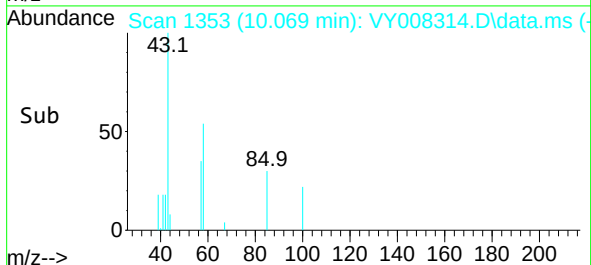
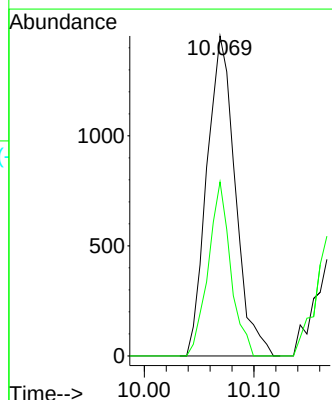
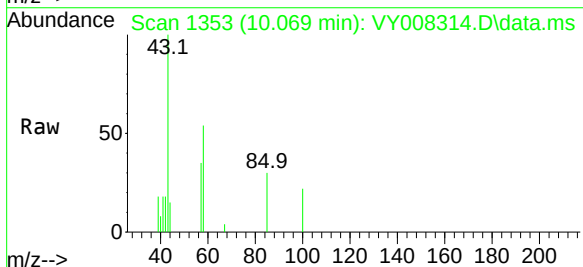
Acq: 13 Apr 2022 15:50

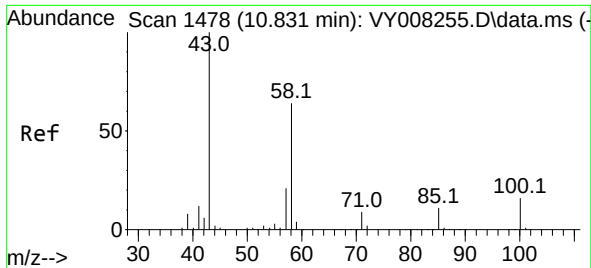
Tgt Ion: 43 Resp: 2617

Ion Ratio Lower Upper

43 100

58 42.9 28.1 42.1#

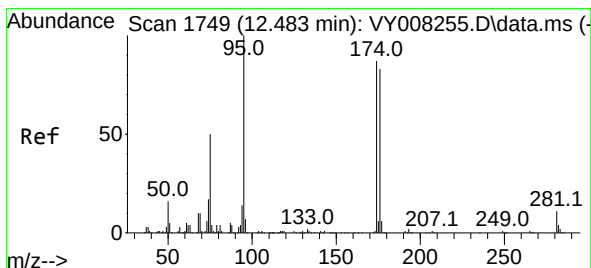
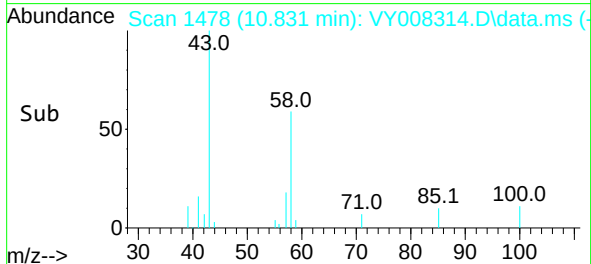
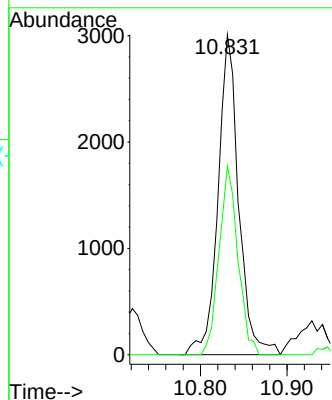
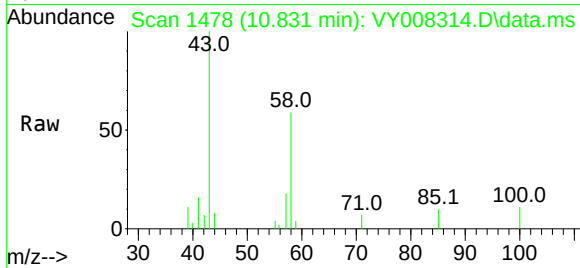




#59
2-Hexanone
Concen: 8.449 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VY008314.D
Acq: 13 Apr 2022 15:50

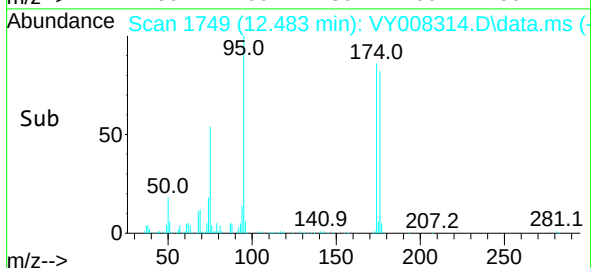
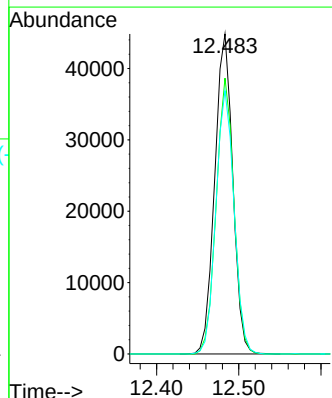
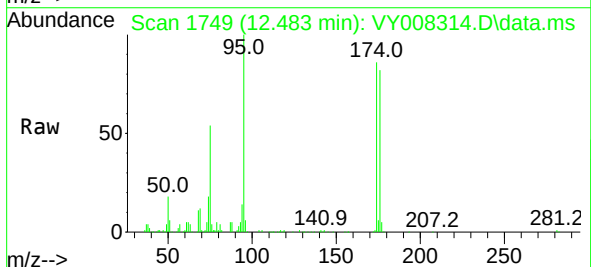
Instrument :
MSVOA_Y
ClientSampleId :
DEL-8D

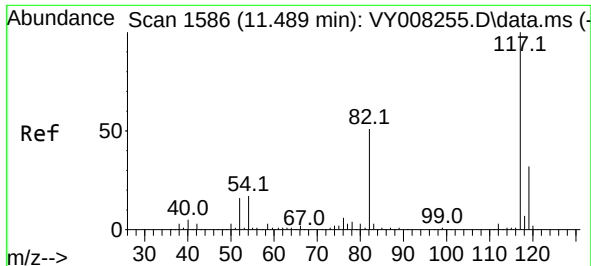
Tgt Ion: 43 Resp: 4988
Ion Ratio Lower Upper
43 100
58 53.8 24.4 73.4



#62
4-Bromofluorobenzene
Concen: 48.878 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008314.D
Acq: 13 Apr 2022 15:50

Tgt Ion: 95 Resp: 68398
Ion Ratio Lower Upper
95 100
174 84.6 0.0 177.0
176 83.0 0.0 175.8

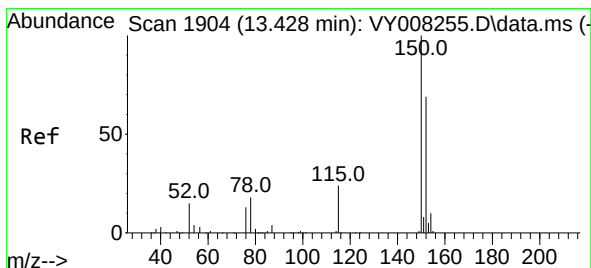
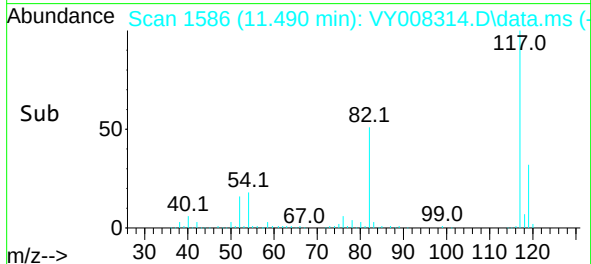
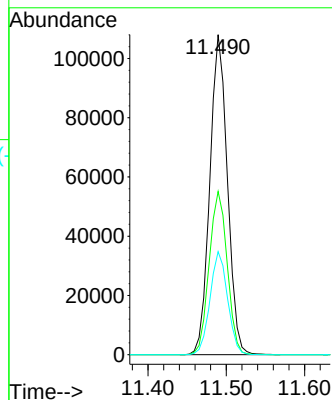
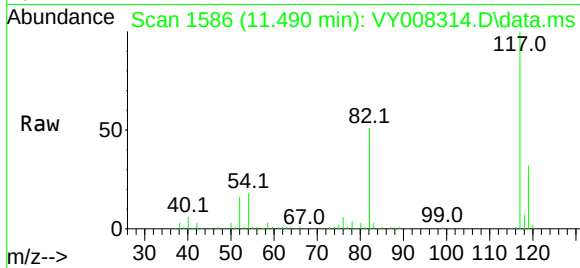




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY008314.D
Acq: 13 Apr 2022 15:50

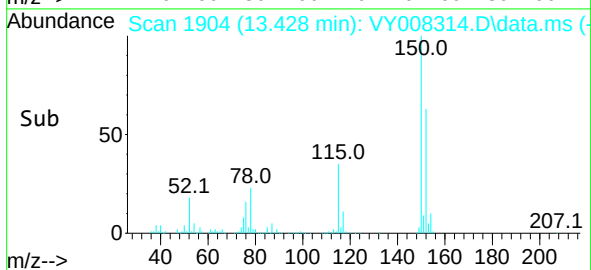
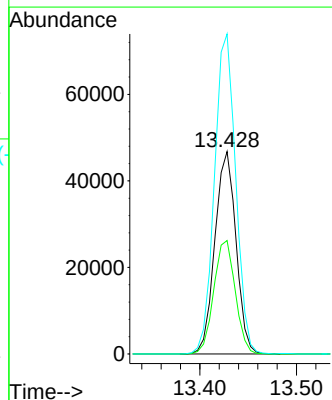
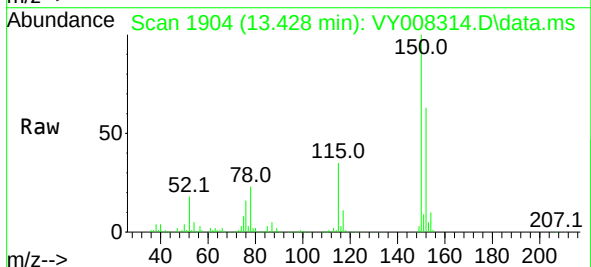
Instrument :
MSVOA_Y
ClientSampleId :
DEL-8D

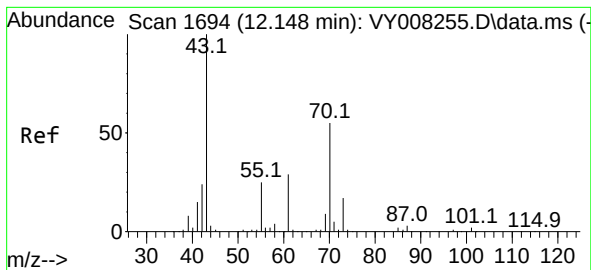
Tgt Ion:117 Resp: 168222
Ion Ratio Lower Upper
117 100
82 51.0 43.0 64.4
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008314.D
Acq: 13 Apr 2022 15:50

Tgt Ion:152 Resp: 70926
Ion Ratio Lower Upper
152 100
115 57.1 28.2 84.7
150 159.0 0.0 347.6





#74

N-amy1 acetate

Concen: 7.552 ug/l

RT: 12.105 min Scan# 1

Delta R.T. -0.043 min

Lab File: VY008314.D

Acq: 13 Apr 2022 15:50

Instrument :

MSVOA_Y

ClientSampleId :

DEL-8D

Tgt Ion: 43 Resp: 8646

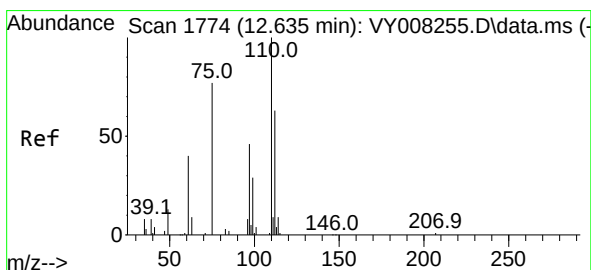
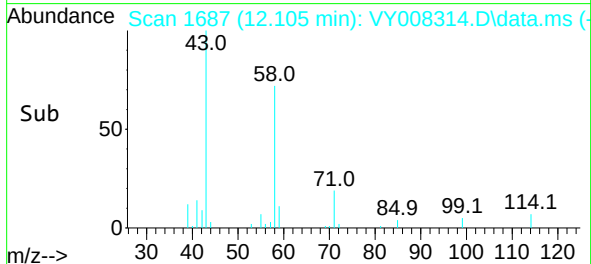
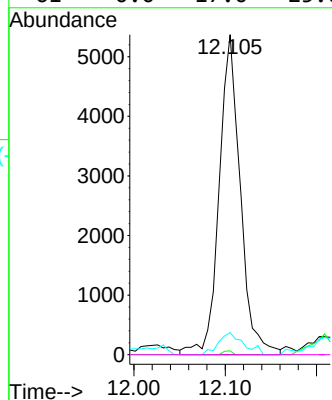
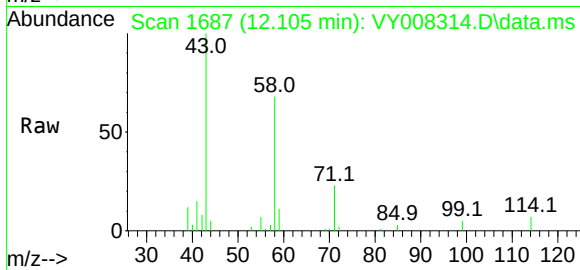
Ion Ratio Lower Upper

43 100

70 0.5 28.7 43.1#

55 8.1 17.3 25.9#

61 0.0 17.0 25.6#



#76

1,2,3-Trichloropropane

Concen: 46.498 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY008314.D

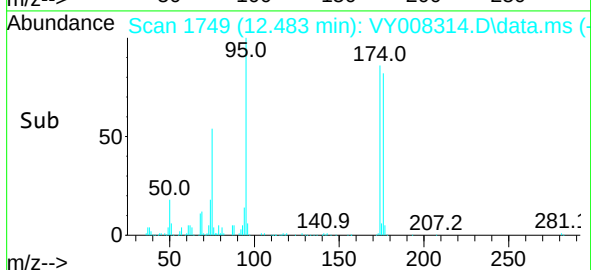
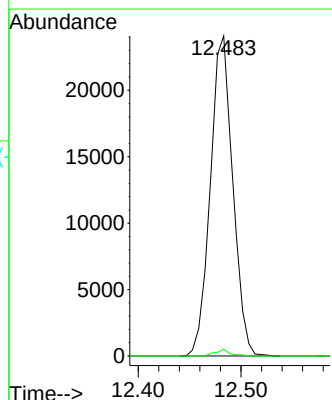
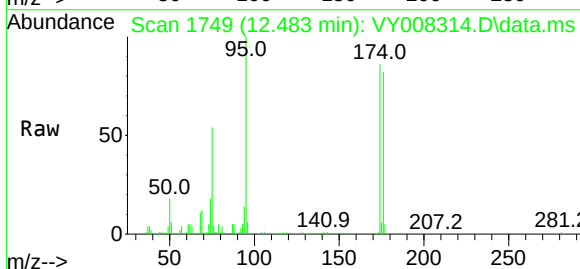
Acq: 13 Apr 2022 15:50

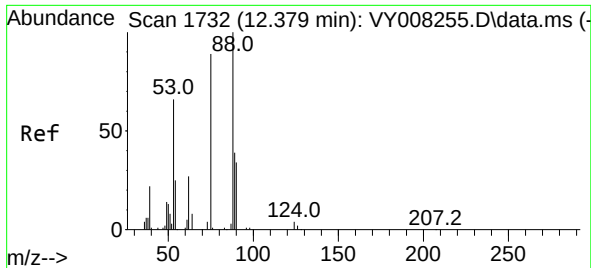
Tgt Ion: 75 Resp: 36474

Ion Ratio Lower Upper

75 100

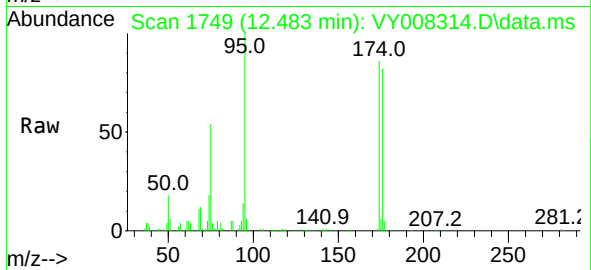
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.037 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY008314.D
 Acq: 13 Apr 2022 15:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 DEL-8D



Tgt Ion: 75 Resp: 36474
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

