

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070620\
 Data File : VY003110.D
 Acq On : 06 Jul 2020 14:01
 Operator : SY/MD
 Sample : L3217-02
 Misc : 5.15G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 E3-41-NHS

Manual Integrations
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 7/7/2020 11:12:04 AM

Quant Time: Jul 07 08:16:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	284264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	446983	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	413498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	191748	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	156547	55.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.90%	
35) Dibromofluoromethane	7.73	113	144675	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
50) Toluene-d8	10.18	98	532381	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
62) 4-Bromofluorobenzene	12.48	95	181119	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.11	50	7306	2.318	ug/l	91
11) Tert butyl alcohol	4.97	59	15027	52.226	ug/l #	94
16) Acetone	3.96	43	112017	168.226	ug/l	97
18) Methyl Acetate	4.48	43	21494	11.981	ug/l	95
20) Methylene Chloride	4.73	84	108063	34.160	ug/l	91
24) 1,1-Dichloroethane	6.02	63	6857	1.360	ug/l	94
25) 2-Butanone	7.00	43	61996	58.612	ug/l	90
30) Chloroform	7.51	83	54222	10.858	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	238116	52.241	ug/l	99
39) Methylcyclohexane	9.19	83	5820	1.090	ug/l	95
40) Benzene	8.16	78	18613	1.579	ug/l	100
44) Trichloroethene	8.94	130	8935	2.608	ug/l	82
52) Toluene	10.24	92	430291	57.989	ug/l	99
64) Tetrachloroethene	10.72	164	5868	1.677	ug/l	93
67) Ethyl Benzene	11.59	91	42805	2.870	ug/l	99
68) m/p-Xylenes	11.70	106	40271	7.254	ug/l	100
69) o-Xylene	12.03	106	20090	3.840	ug/l	95
73) Isopropylbenzene	12.33	105	61593	4.908	ug/l	97
78) n-propylbenzene	12.67	91	180394	11.953	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	361580	34.336	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	770874	72.648	ug/l	99
85) sec-Butylbenzene	13.25	105	89735	7.041	ug/l #	75
86) p-Isopropyltoluene	13.37	119	86584	7.332	ug/l	99
89) n-Butylbenzene	13.69	91	33571m	2.971	ug/l	
91) 1,2-Dichlorobenzene	13.74	146	480247	89.105	ug/l	93
95) Naphthalene	15.23	128	44848	6.131	ug/l #	1

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

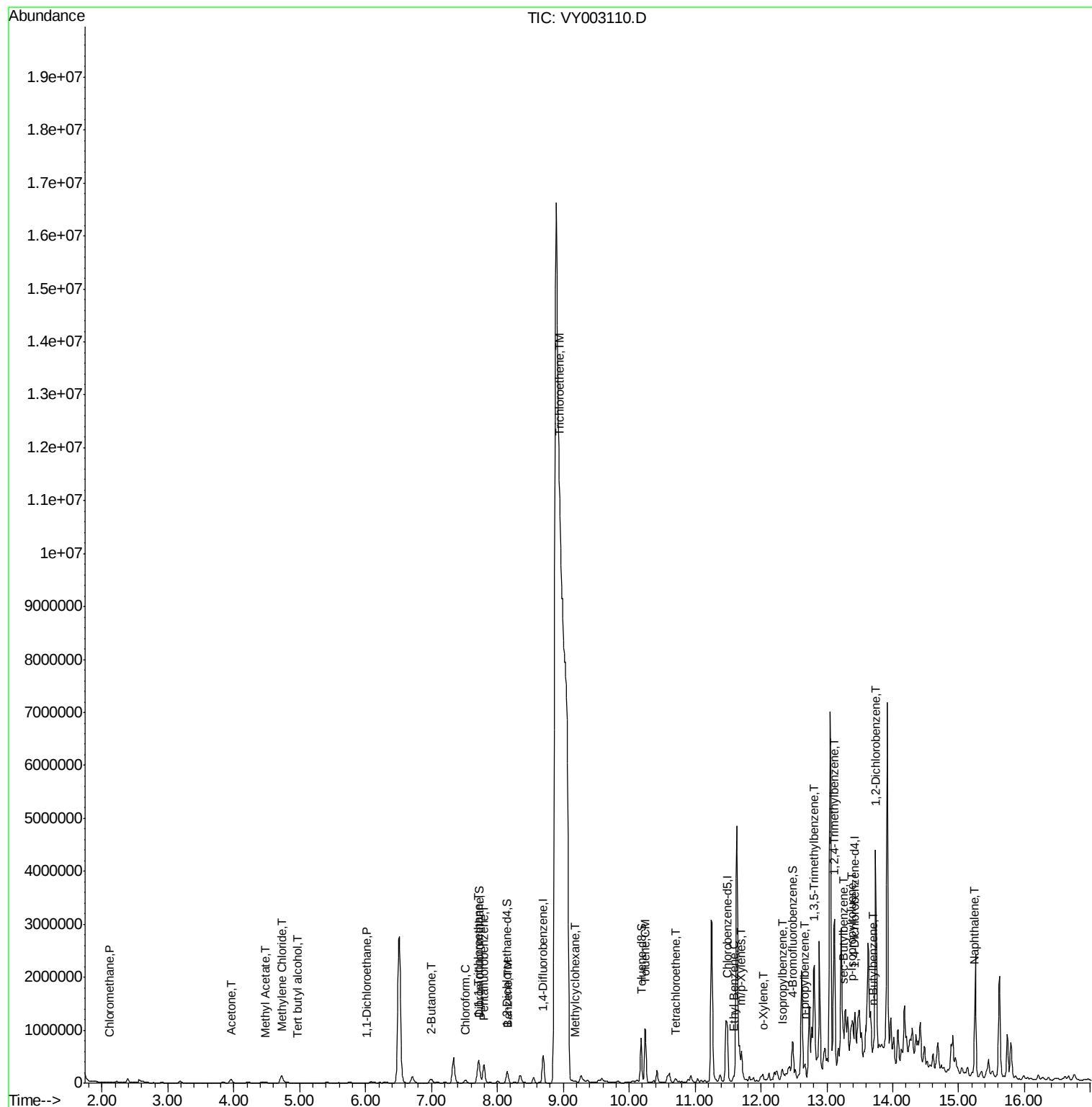
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY070620\
Data File : VY003110.D
Acq On : 06 Jul 2020 14:01
Operator : SY/MD
Sample : L3217-02
Misc : 5.15G/5ML/MSVOA Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

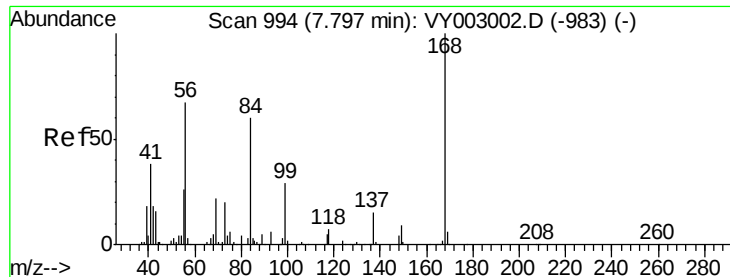
Instrument :
MSVOA_Y
ClientSampleId :
E3-41-NHS

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Quant Time: Jul 07 08:16:01 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003110.D

Acq: 06 Jul 2020 14:01

Instrument :

MSVOA_Y

ClientSampleId :

E3-41-NHS

Tot Ion:168 Resp: 284264

Ion Ratio Lower Upper

168 100

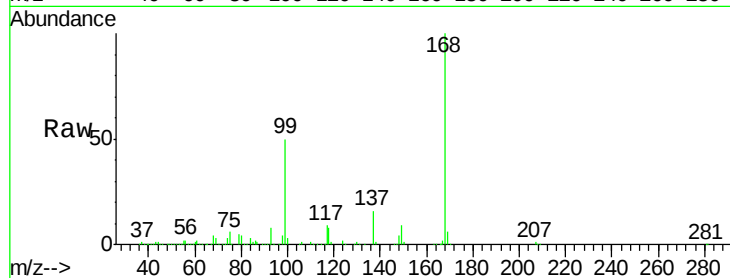
99 49.8 39.2 58.8

Manual Integrations

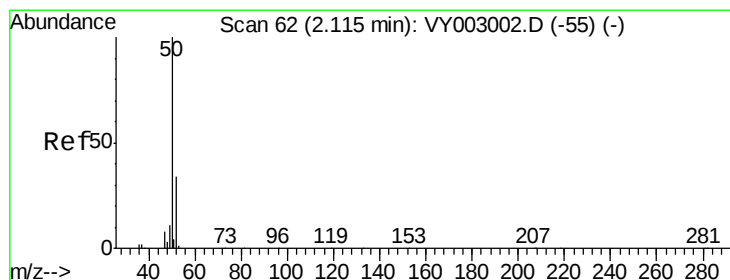
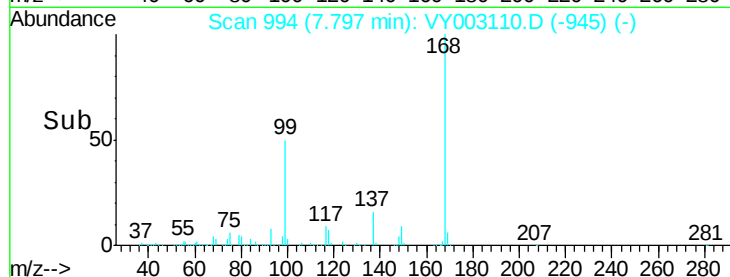
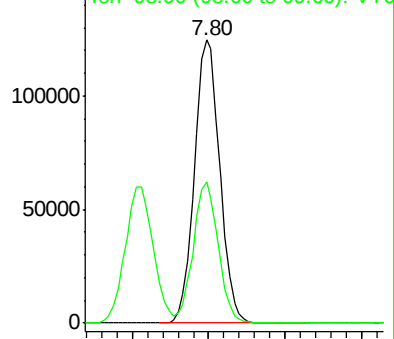
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Abundance Ion 167.90 (167.60 to 168.60): VY003110.D (-945) (-)



#3

Chloromethane

Concen: 2.318 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY003110.D

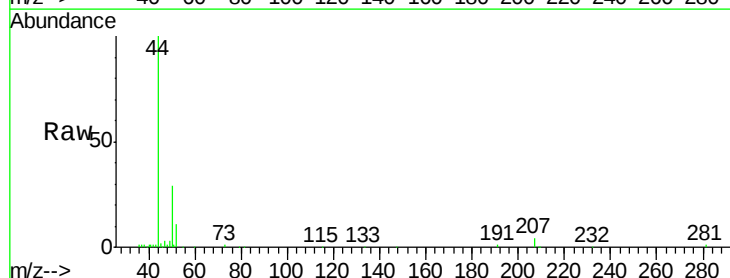
Acq: 06 Jul 2020 14:01

Tgt Ion: 50 Resp: 7306

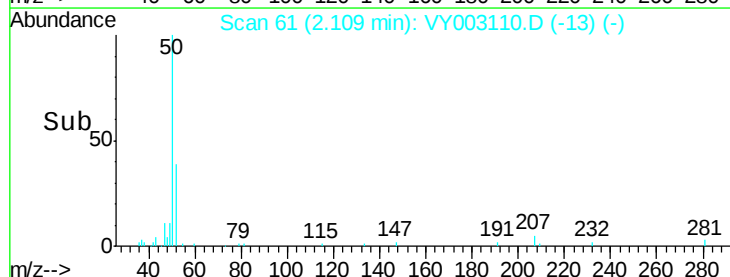
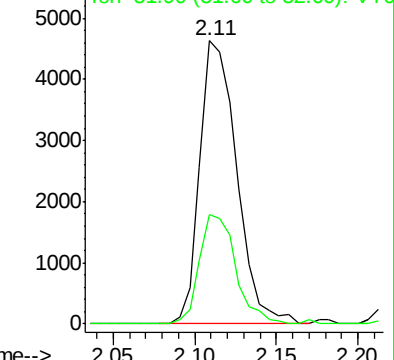
Ion Ratio Lower Upper

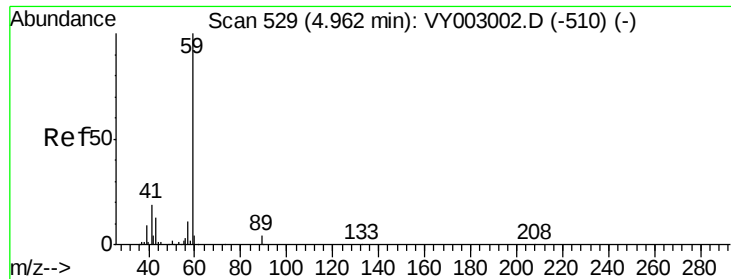
50 100

52 38.6 26.9 40.3



Abundance Ion 49.90 (49.60 to 50.60): VY003110.D (-13) (-)





#11

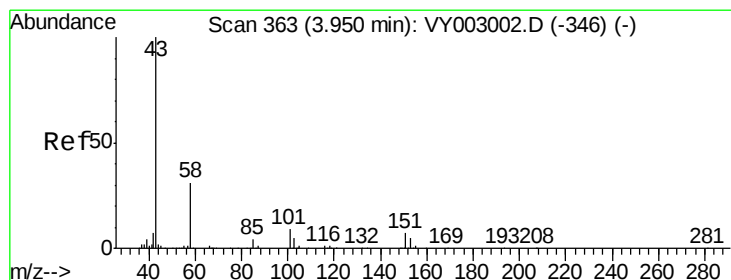
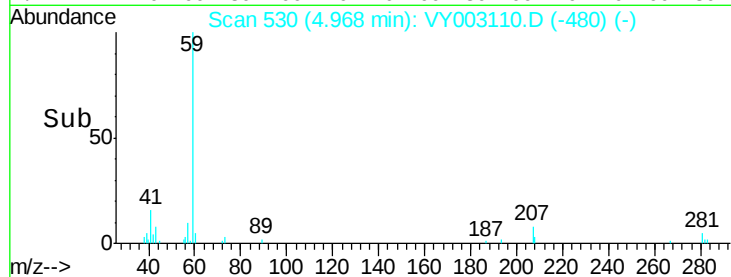
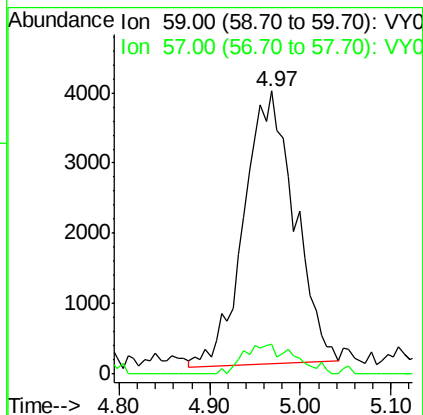
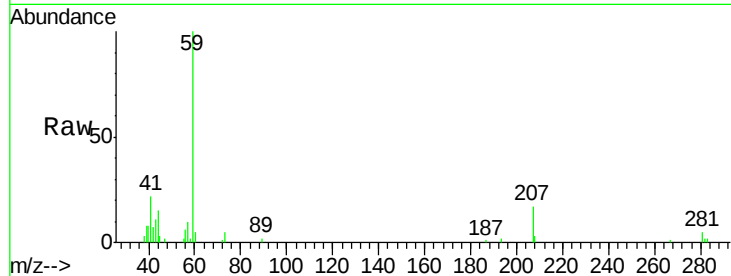
Tert butyl alcohol
 Concen: 52.226 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VY003110.D
 Acq: 06 Jul 2020 14:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 E3-41-NHS

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.7	8.0	12.0#

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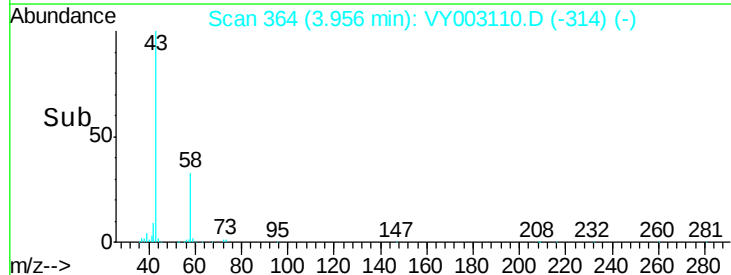
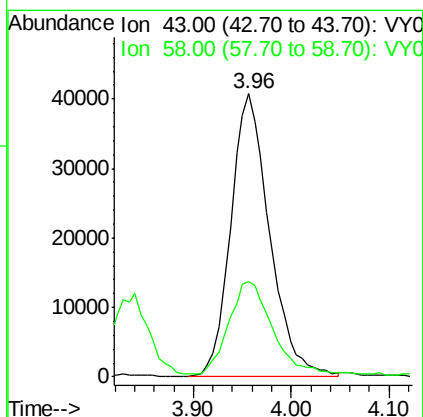
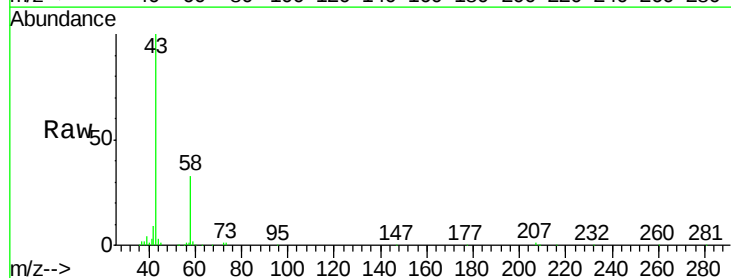
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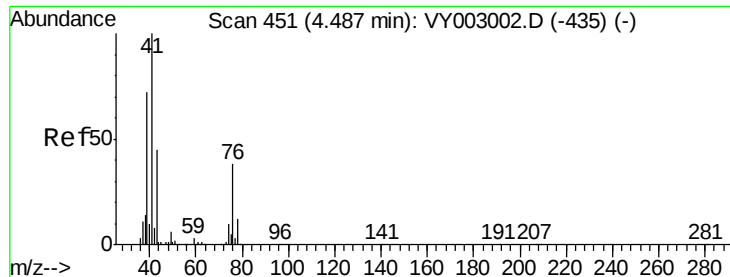


#16

Acetone
 Concen: 168.226 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VY003110.D
 Acq: 06 Jul 2020 14:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.3	24.7	37.1





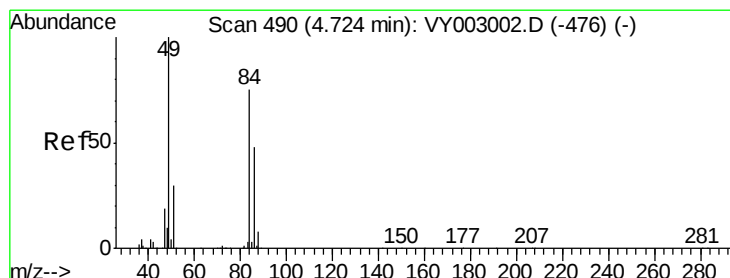
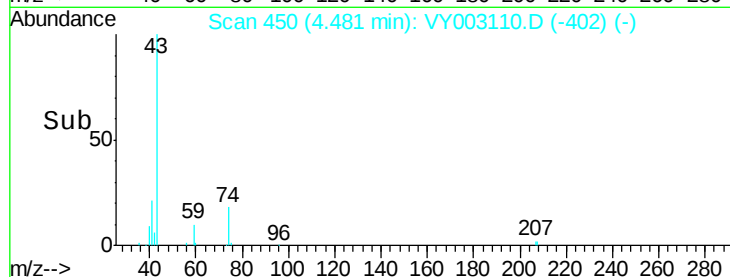
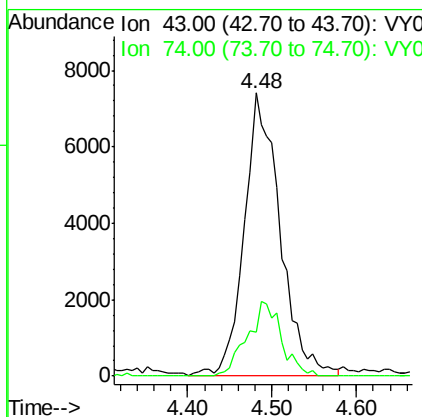
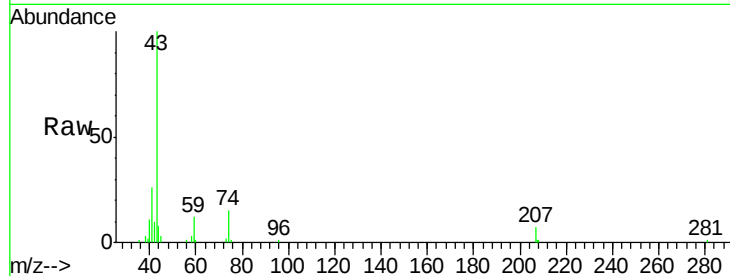
#18
Methvl Acetate
Concen: 11.981 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY003110.D
Acq: 06 Jul 2020 14:01

Instrument :
MSVOA_Y
ClientSampleId :
E3-41-NHS

Tot Ion: 43 Resp: 21494
Ion Ratio Lower Upper
43 100
74 25.0 18.2 27.4

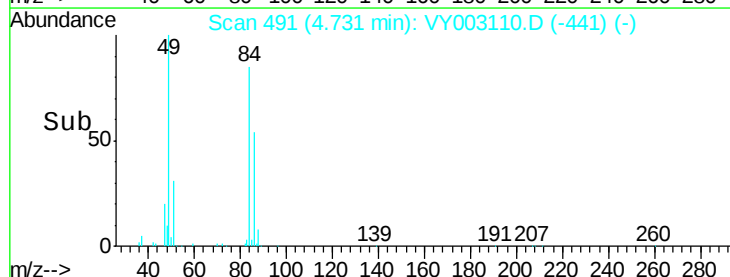
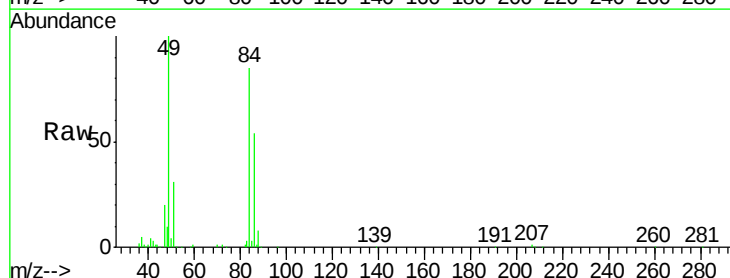
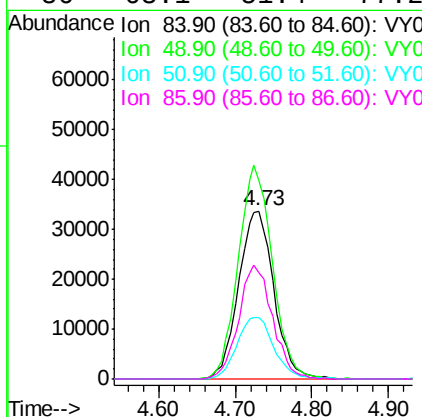
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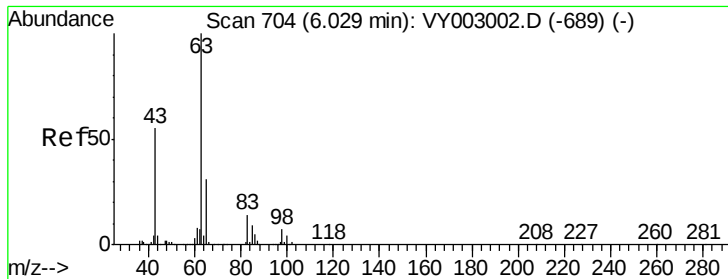
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#20
Methylene Chloride
Concen: 34.160 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003110.D
Acq: 06 Jul 2020 14:01

Tgt Ion: 84 Resp: 108063
Ion Ratio Lower Upper
84 100
49 117.7 106.8 160.2
51 36.7 32.0 48.0
86 63.1 51.4 77.2





#24

1,1-Dichloroethane

Concen: 1.360 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY003110.D

Acq: 06 Jul 2020 14:01

Instrument :

MSVOA_Y

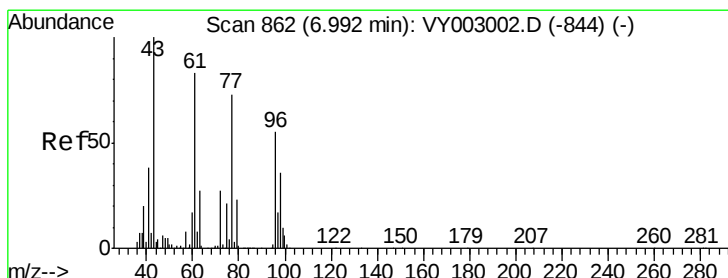
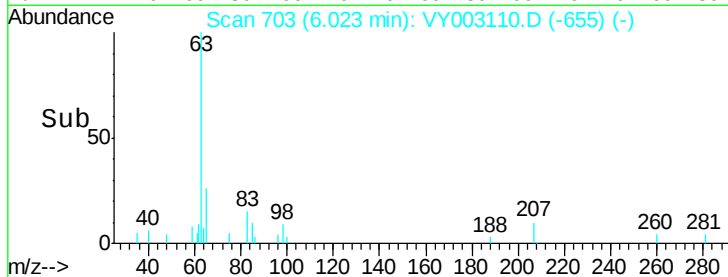
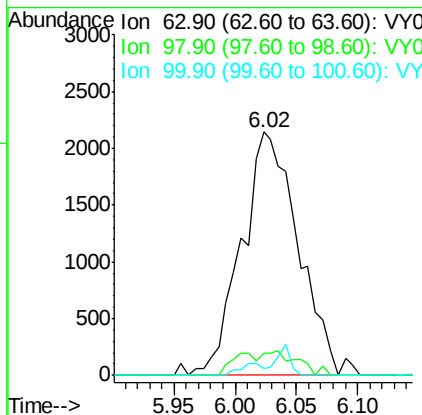
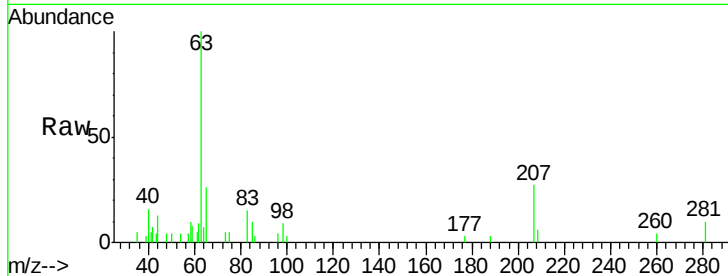
ClientSampleId :

E3-41-NHS

Tot Ion:	63	Resp:	6857
Ion Ratio	Lower	Upper	
63	100		
98	9.0	3.4	10.1
100	2.6	2.3	6.8

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#25

2-Butanone

Concen: 58.612 ug/l

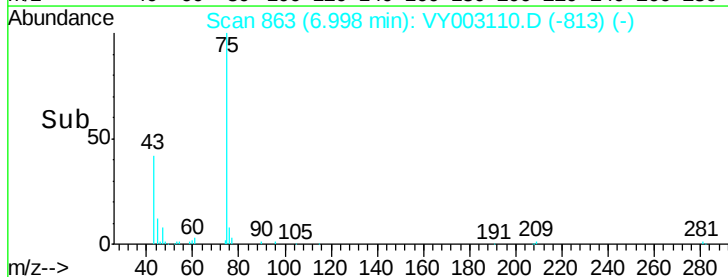
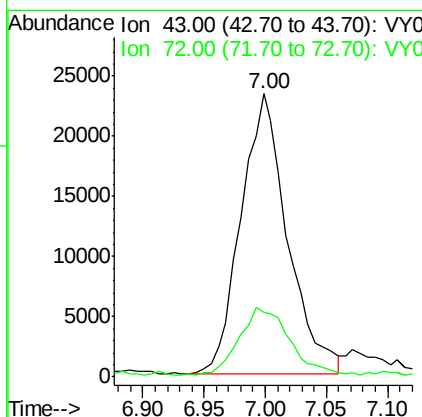
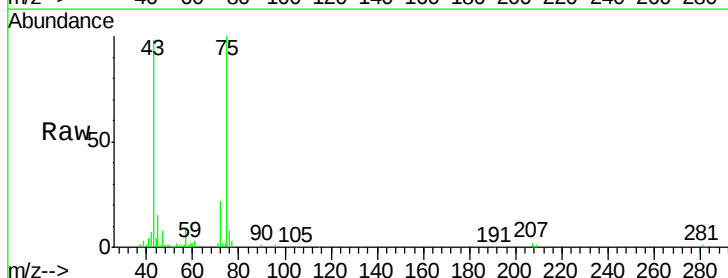
RT: 7.00 min Scan# 863

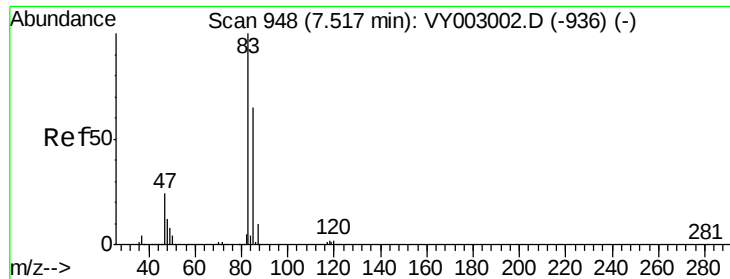
Delta R.T. 0.01 min

Lab File: VY003110.D

Acq: 06 Jul 2020 14:01

Tgt Ion:	43	Resp:	61996
Ion Ratio	Lower	Upper	
43	100		
72	21.8	21.4	32.0





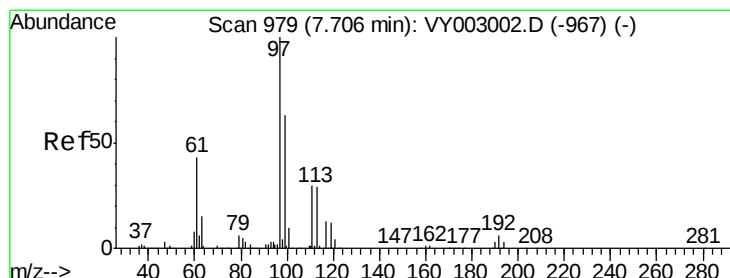
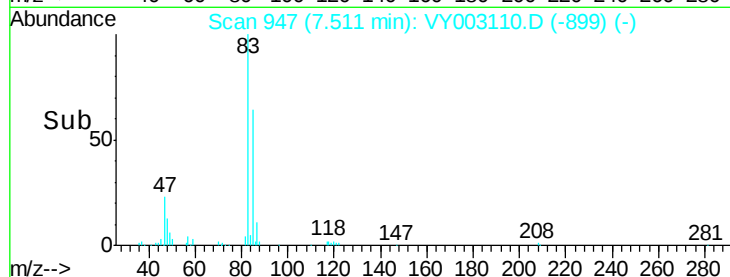
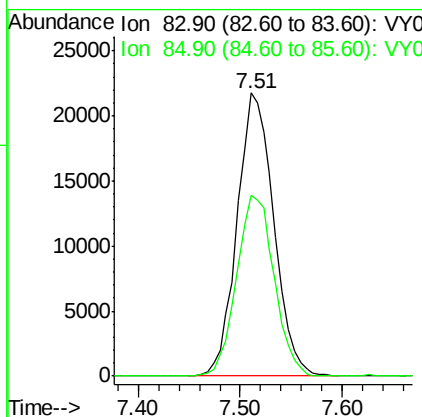
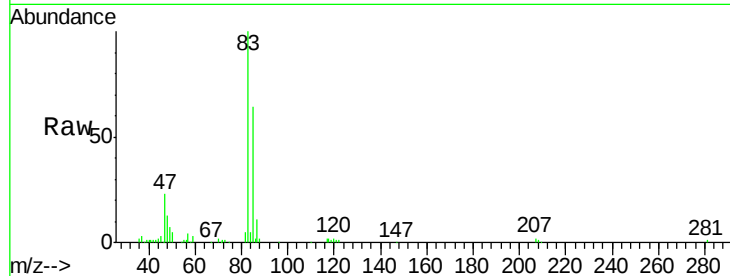
#30
Chloroform
Concen: 10.858 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY003110.D
Acq: 06 Jul 2020 14:01

Instrument :
MSVOA_Y
ClientSampleId :
E3-41-NHS

Tot Ion: 83 Resp: 54222
Ion Ratio Lower Upper
83 100
85 63.9 51.7 77.5

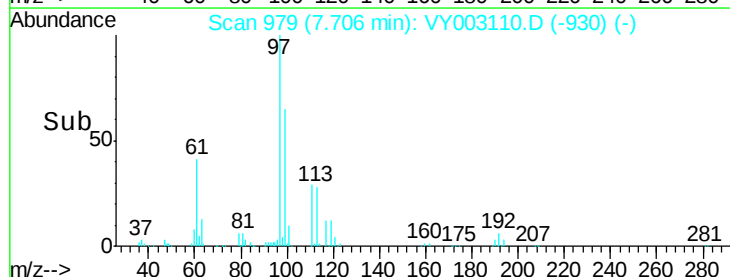
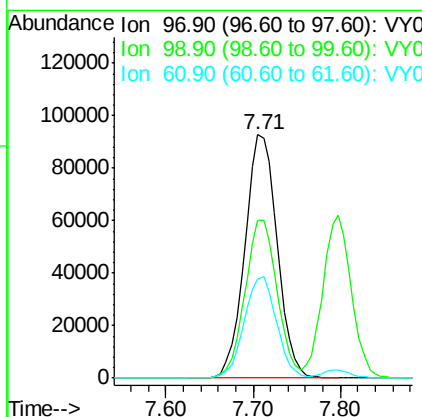
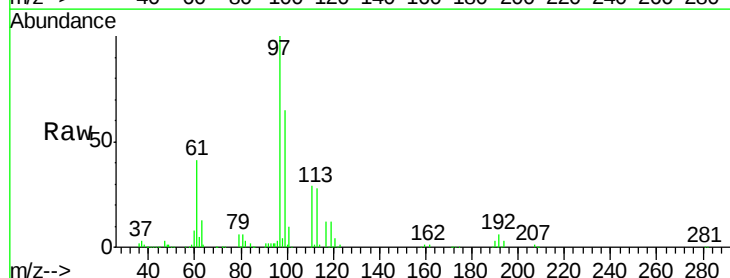
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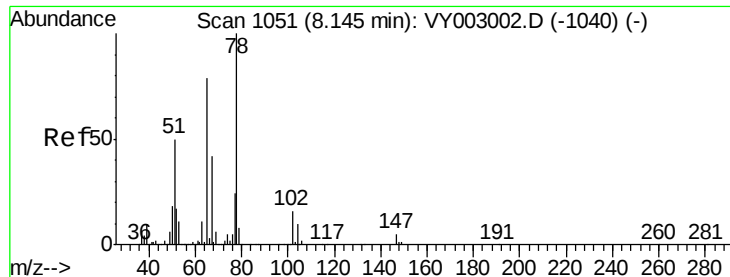
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#32
1,1,1-Trichloroethane
Concen: 52.241 ug/l
RT: 7.71 min Scan# 979
Delta R.T. -0.00 min
Lab File: VY003110.D
Acq: 06 Jul 2020 14:01

Tgt Ion: 97 Resp: 238116
Ion Ratio Lower Upper
97 100
99 64.6 51.4 77.2
61 41.6 33.9 50.9





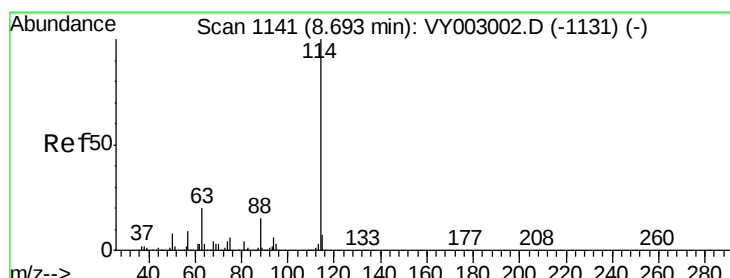
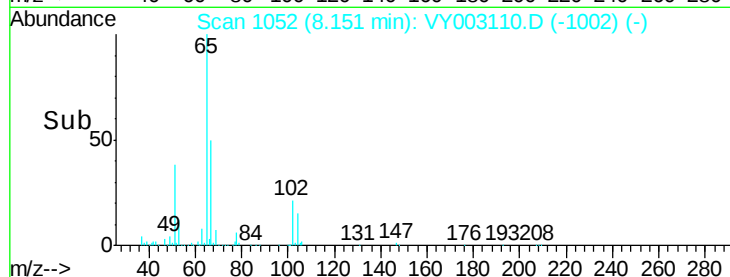
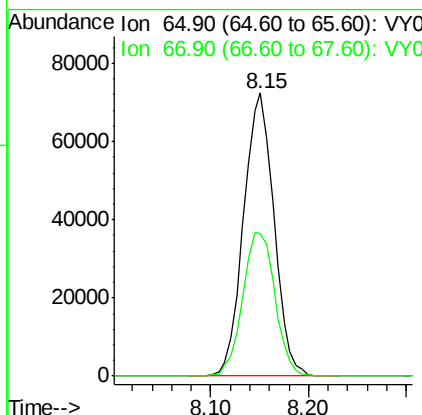
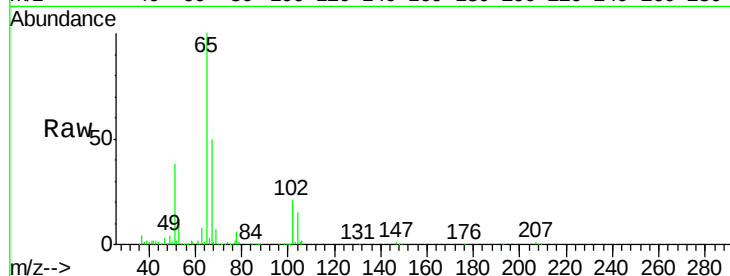
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 1,2-Dichloroethane-d4
 Concen: 55.448 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003110.D
 Acq: 06 Jul 2020 14:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 E3-41-NHS

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.8	0.0	105.6	

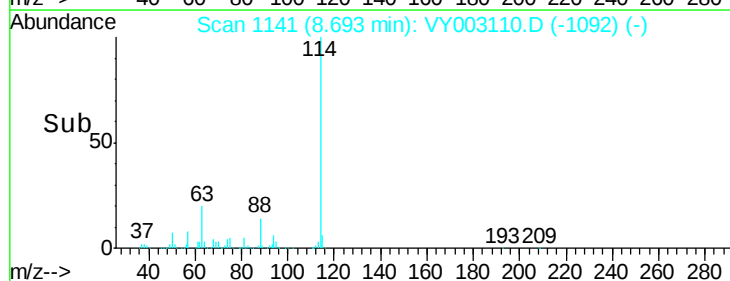
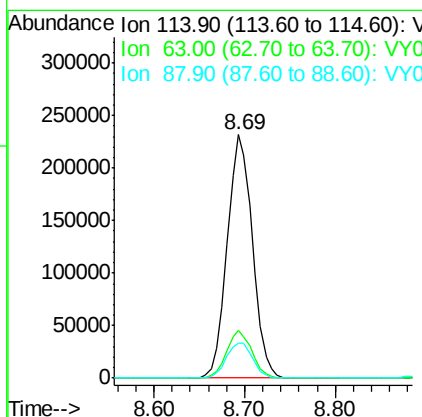
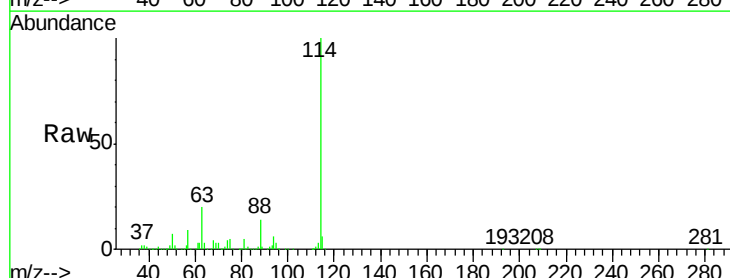
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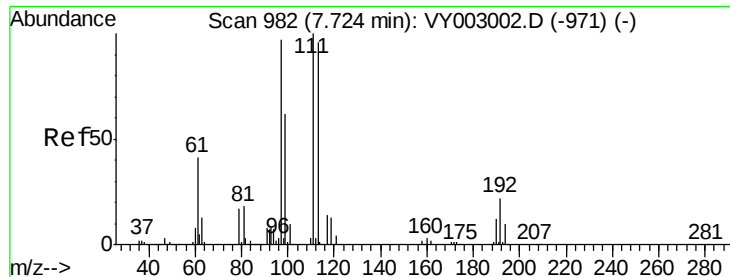
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003110.D
 Acq: 06 Jul 2020 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.6	0.0	40.6	
88	14.4	0.0	30.0	





#35

Dibromofluoromethane

Concen: 51.885 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY003110.D

Acq: 06 Jul 2020 14:01

Instrument :

MSVOA_Y

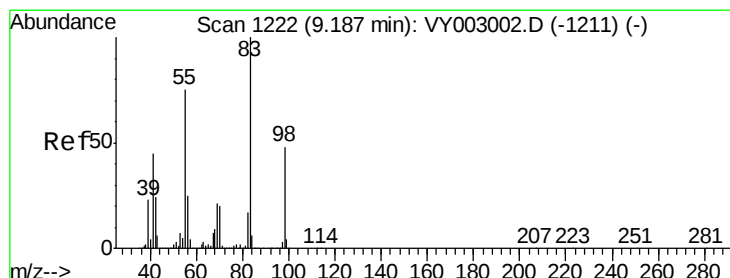
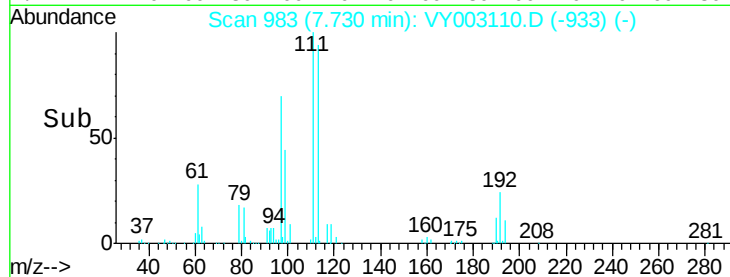
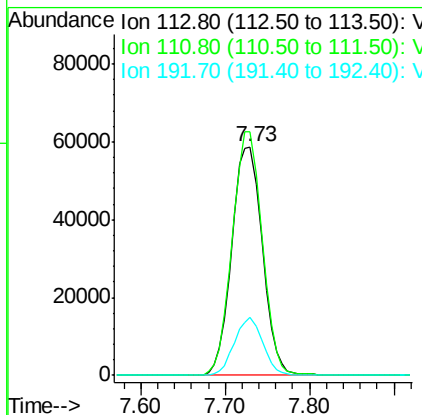
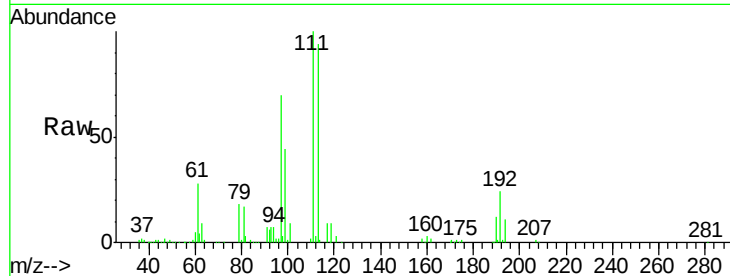
ClientSampleId :

E3-41-NHS

Tot Ion:	113	Resp:	144675
Ion Ratio	Lower	Upper	
113	100		
111	104.3	82.6	123.8
192	23.4	18.1	27.1

Manual Integrations
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#39

Methylcyclohexane

Concen: 1.090 ug/l

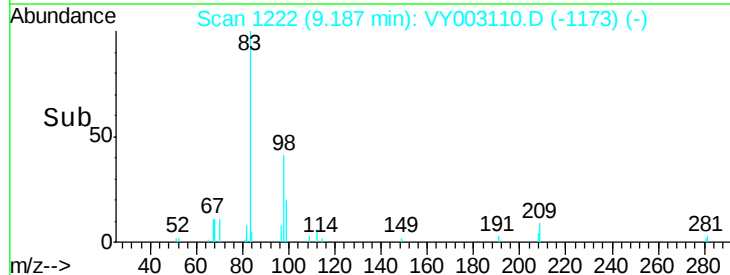
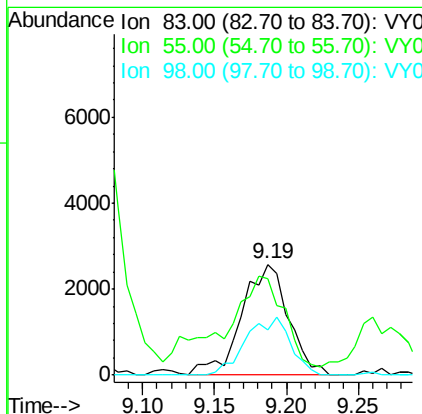
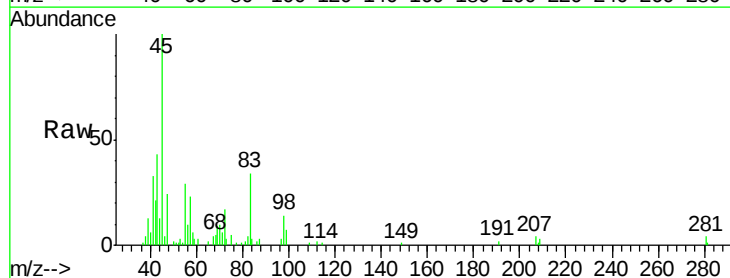
RT: 9.19 min Scan# 1222

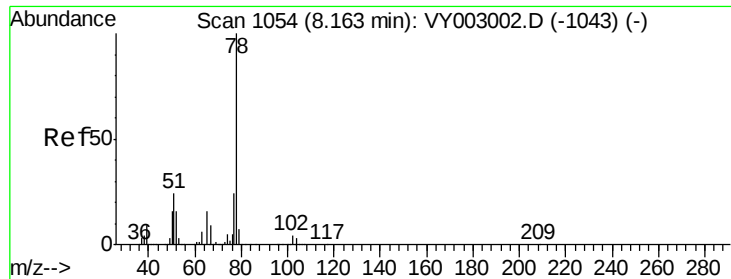
Delta R.T. -0.00 min

Lab File: VY003110.D

Acq: 06 Jul 2020 14:01

Tgt Ion:	83	Resp:	5820
Ion Ratio	Lower	Upper	
83	100		
55	75.5	59.9	89.9
98	41.1	38.7	58.1





#40

Benzene

Concen: 1.579 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VY003110.D

Acq: 06 Jul 2020 14:01

Instrument :

MSVOA_Y

ClientSampleId :

E3-41-NHS

Tot Ion: 78 Resp: 18613

Ion Ratio Lower Upper

78 100

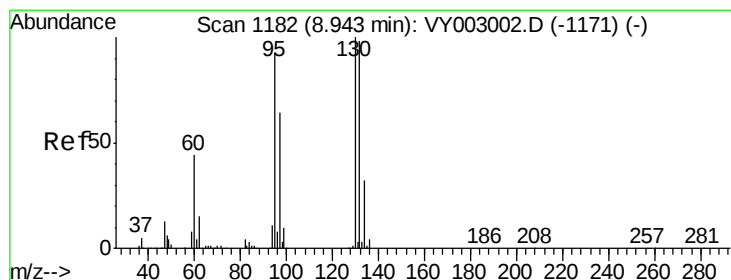
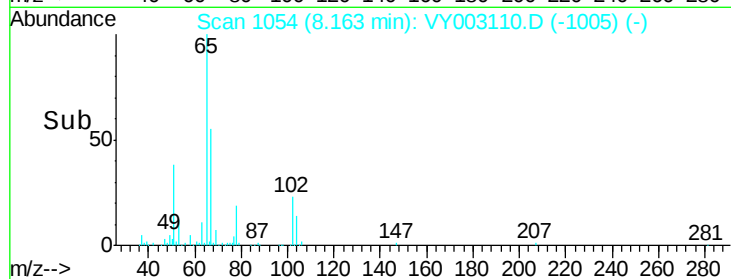
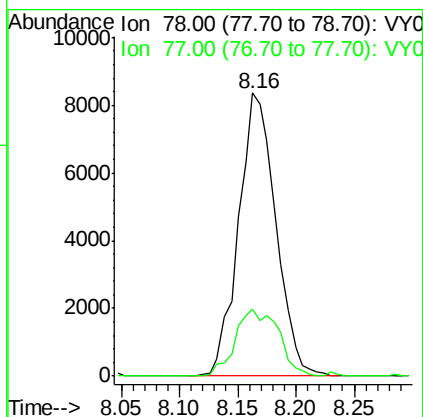
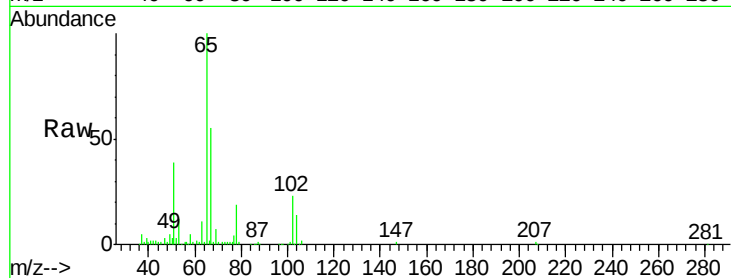
77 23.9 19.2 28.8

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#44

Trichloroethene

Concen: 2.608 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY003110.D

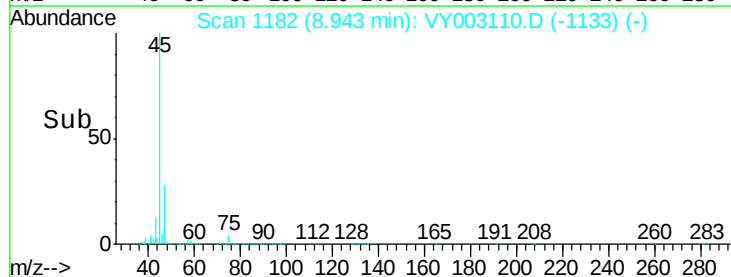
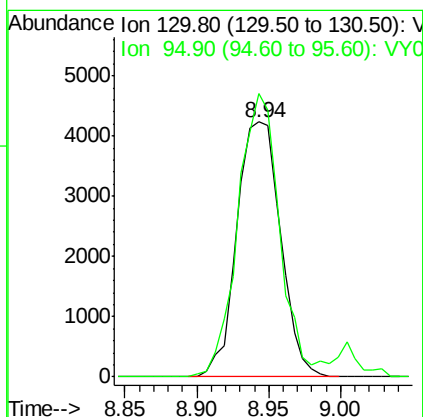
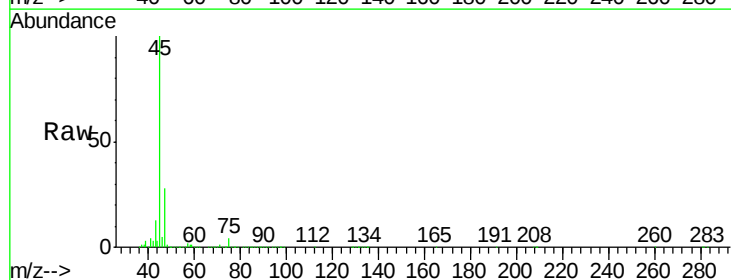
Acq: 06 Jul 2020 14:01

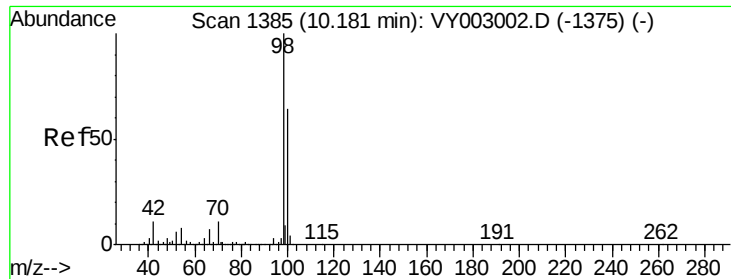
Tgt Ion: 130 Resp: 8935

Ion Ratio Lower Upper

130 100

95 111.0 0.0 186.4





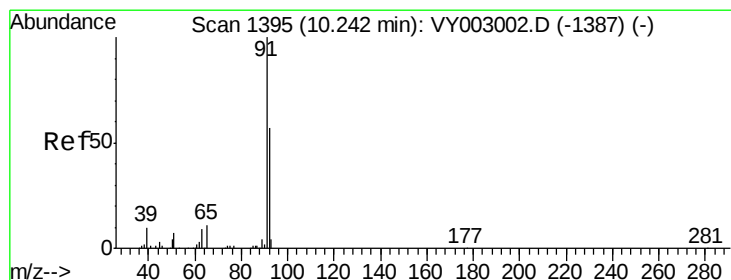
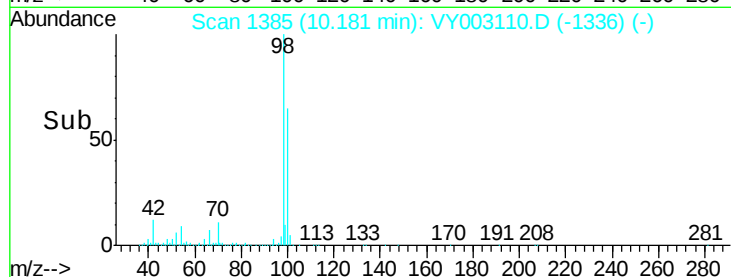
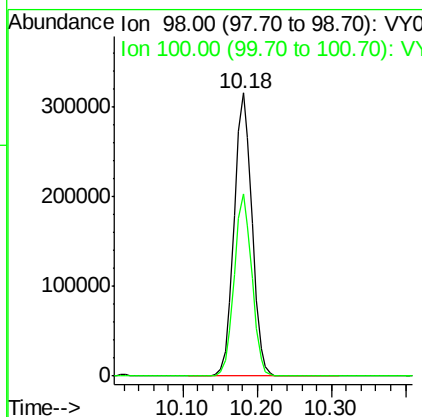
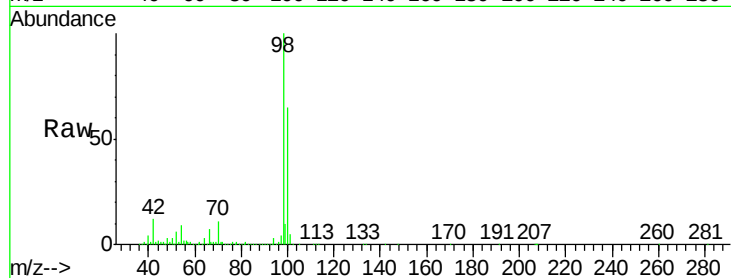
#50
Toluene-d8
Concen: 51.250 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003110.D
Acq: 06 Jul 2020 14:01

Instrument :
MSVOA_Y
ClientSampleId :
E3-41-NHS

Tot Ion: 98 Resp: 532381
Ion Ratio Lower Upper
98 100
100 63.6 51.1 76.7

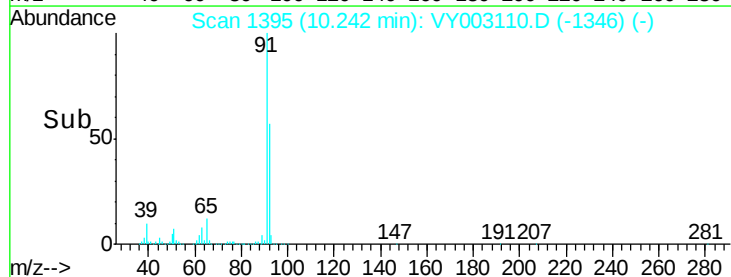
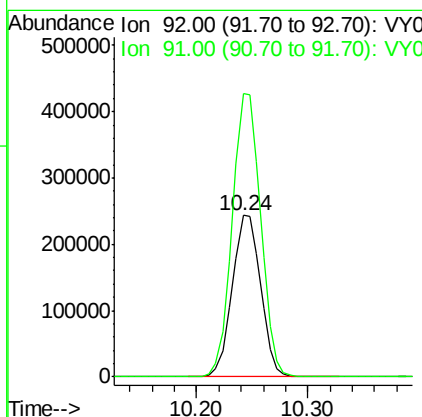
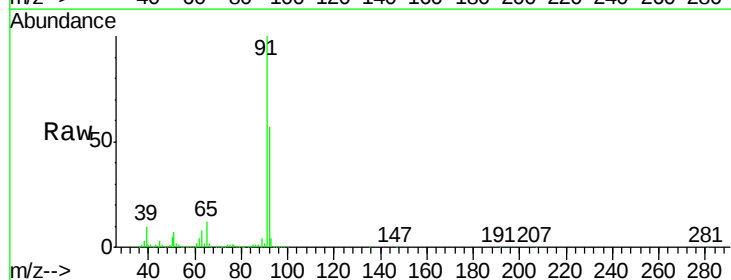
Manual Integrations
APPROVED

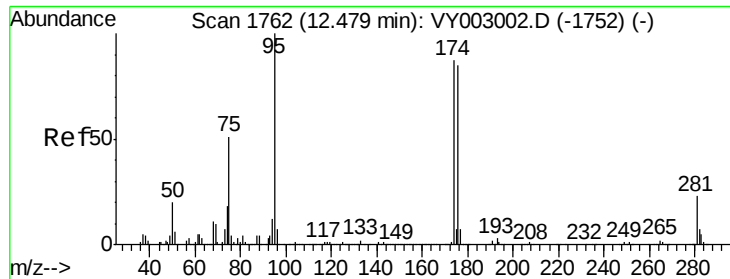
MMDadoda
7/7/2020 11:12:04 AM



#52
Toluene
Concen: 57.989 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY003110.D
Acq: 06 Jul 2020 14:01

Tgt Ion: 92 Resp: 430291
Ion Ratio Lower Upper
92 100
91 175.5 139.6 209.4





#62

4-Bromofluorobenzene

Concen: 49.533 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003110.D

Acq: 06 Jul 2020 14:01

Instrument :

MSVOA_Y

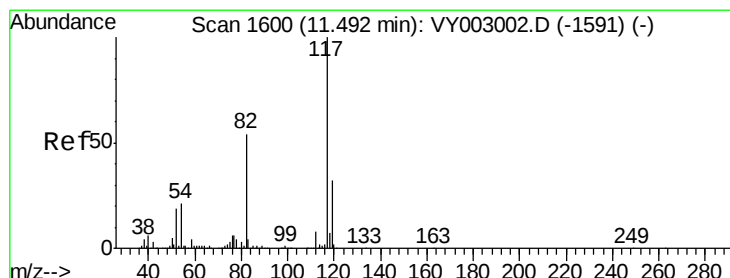
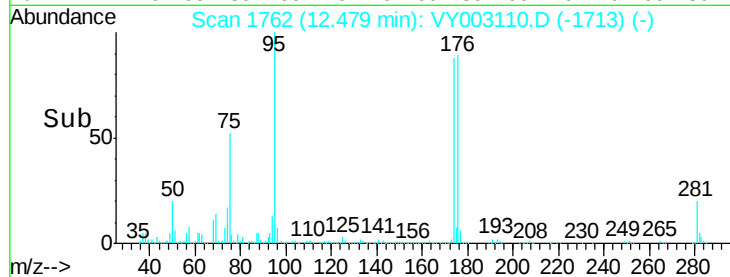
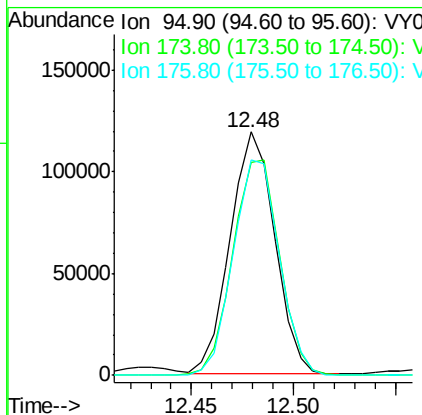
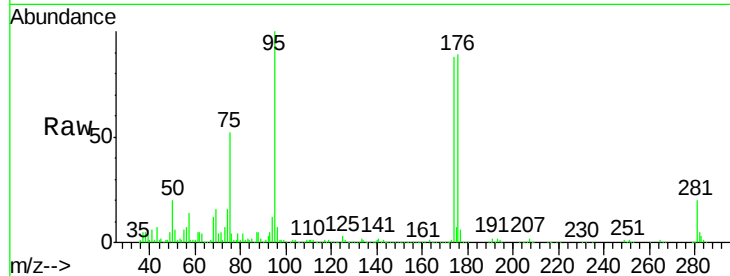
ClientSampleId :

E3-41-NHS

Tot Ion:	95	Resp:	181119
Ion Ratio	Lower	Upper	
95	100		
174	93.5	0.0	184.8
176	92.1	0.0	183.0

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

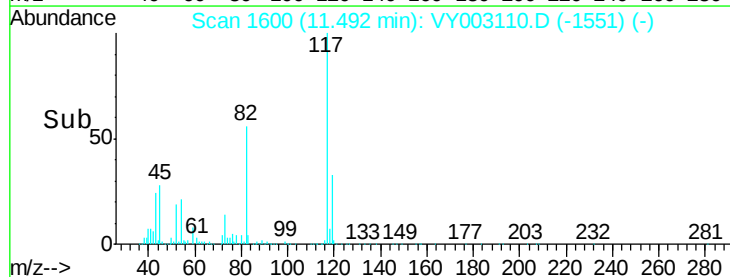
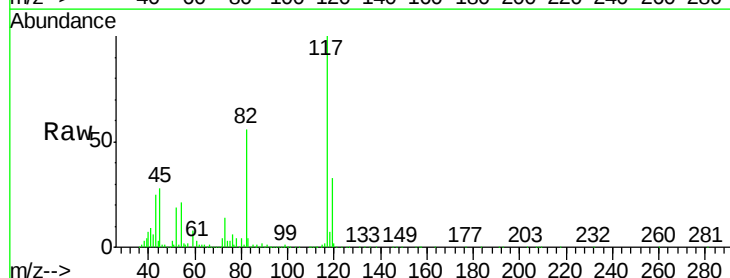
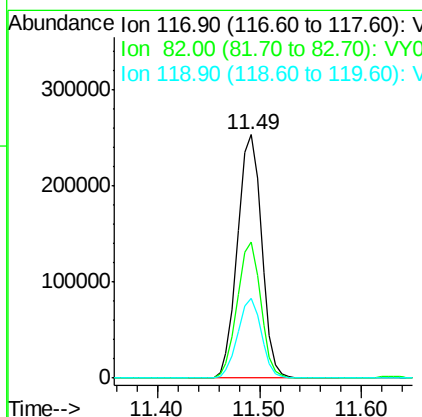
RT: 11.49 min Scan# 1600

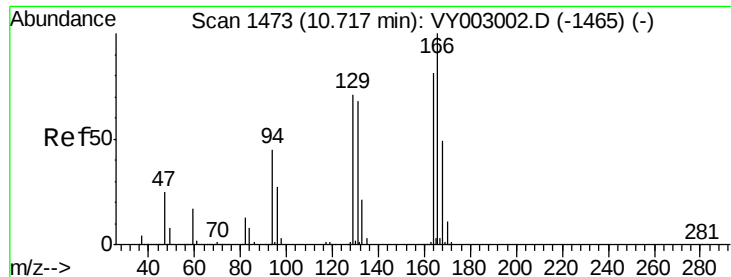
Delta R.T. -0.00 min

Lab File: VY003110.D

Acq: 06 Jul 2020 14:01

Tgt Ion:	117	Resp:	413498
Ion Ratio	Lower	Upper	
117	100		
82	55.7	43.0	64.6
119	32.7	25.8	38.8





#64

Tetrachloroethene

Concen: 1.677 ug/l

RT: 10.72 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VY003110.D

Acq: 06 Jul 2020 14:01

Instrument :

MSVOA_Y

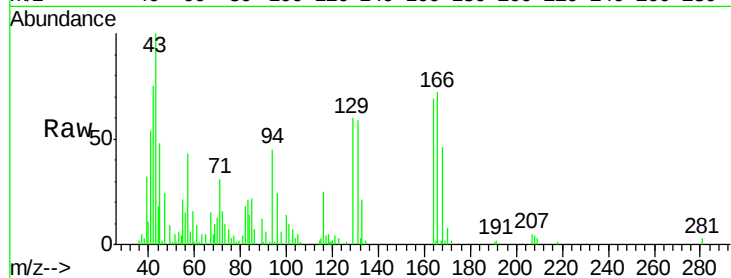
ClientSampleId :

E3-41-NHS

Tot Ion:	164	Resp:	5868
Ion	Ratio	Lower	Upper
164	100		
166	104.0	98.5	147.7
129	87.3	69.7	104.5
131	84.6	67.2	100.8

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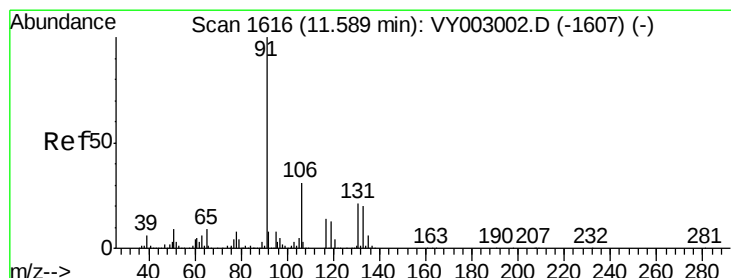
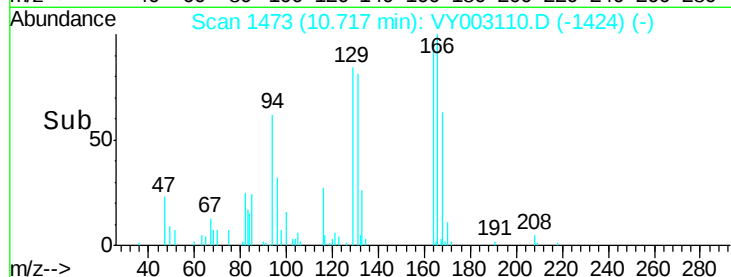
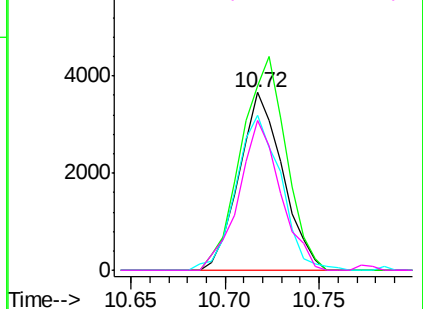


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 2.870 ug/l

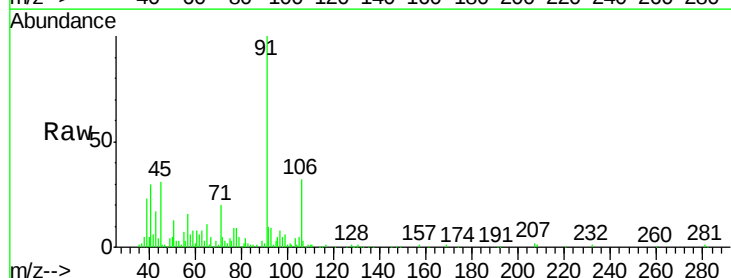
RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003110.D

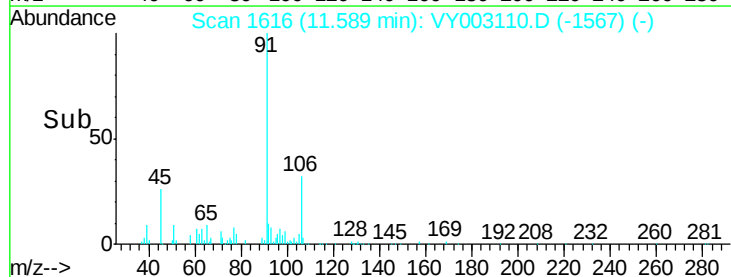
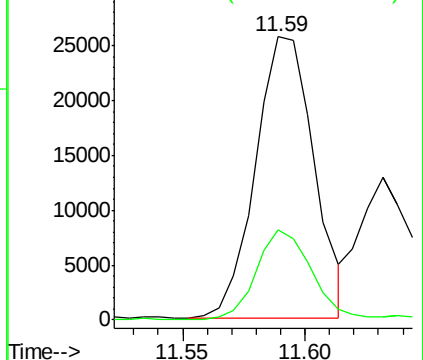
Acq: 06 Jul 2020 14:01

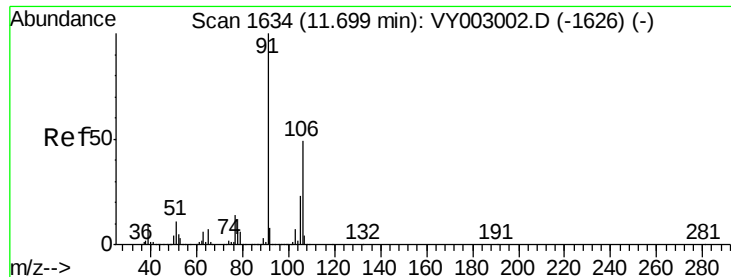
Tgt Ion:	91	Resp:	42805
Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.0	37.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V





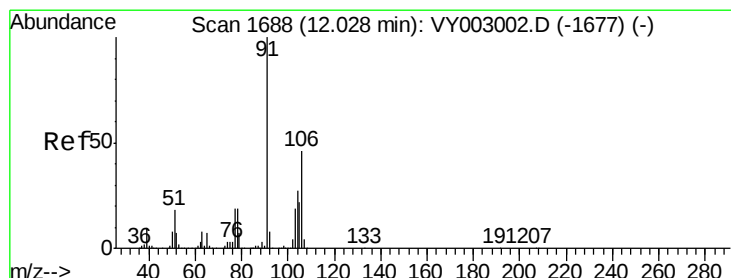
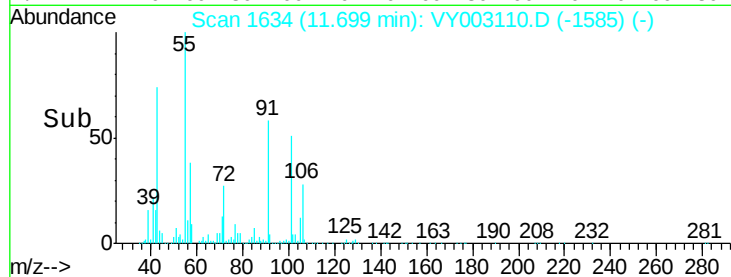
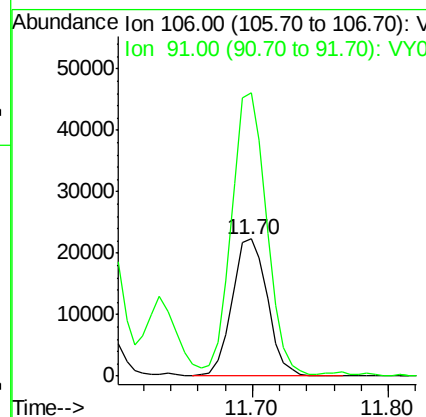
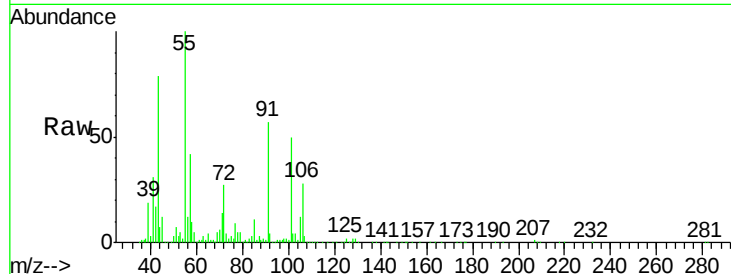
#68
m/p-Xvlenes
Concen: 7.254 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY003110.D
Acq: 06 Jul 2020 14:01

Instrument :
MSVOA_Y
ClientSampled :
E3-41-NHS

Tot Ion:106 Resp: 40271
Ion Ratio Lower Upper
106 100
91 202.4 161.9 242.9

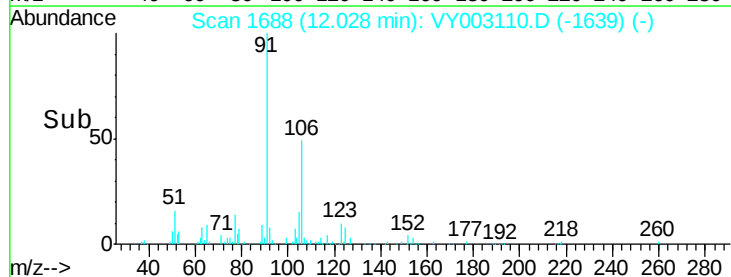
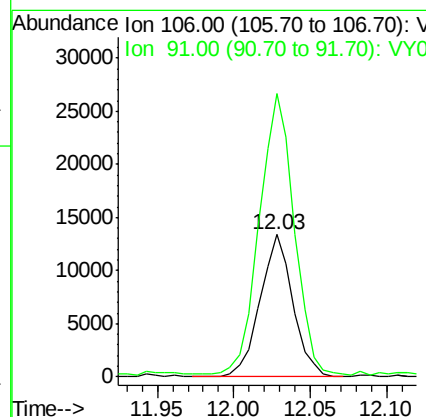
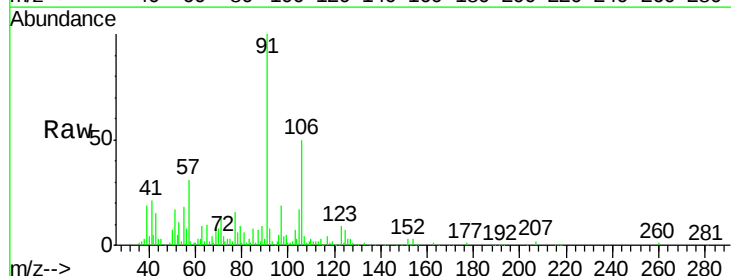
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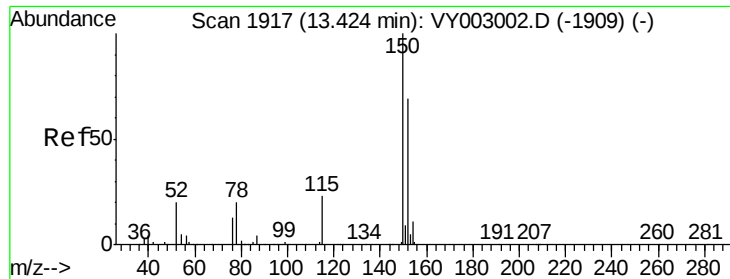
MMDadoda
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#69
o-Xylene
Concen: 3.840 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003110.D
Acq: 06 Jul 2020 14:01

Tgt Ion:106 Resp: 20090
Ion Ratio Lower Upper
106 100
91 207.8 107.9 323.8





#72

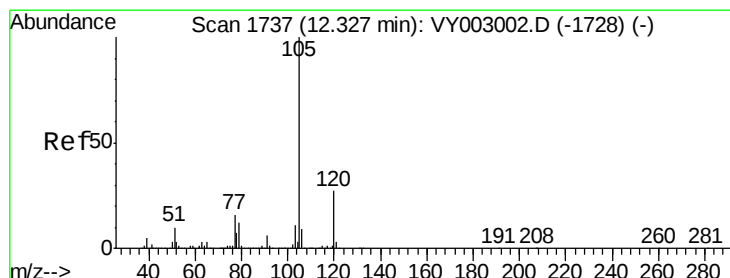
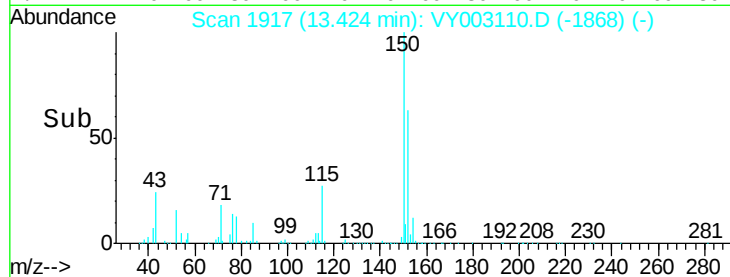
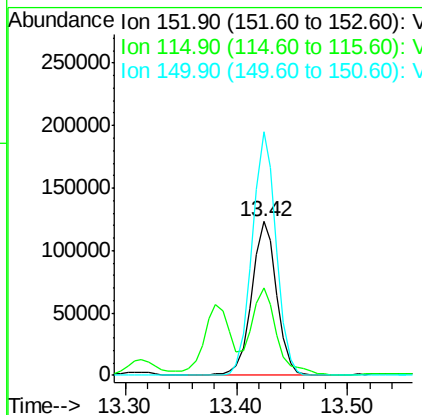
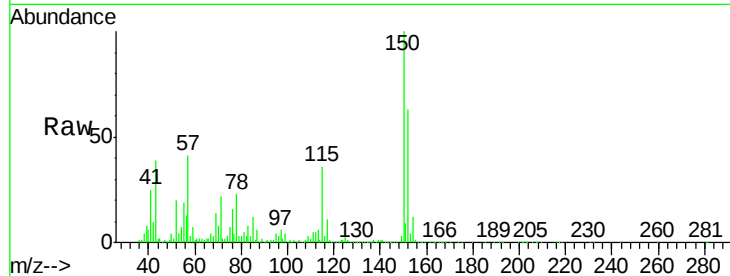
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003110.D
Acq: 06 Jul 2020 14:01

Instrument :
MSVOA_Y
ClientSampleId :
E3-41-NHS

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.3	27.3	81.9
150	152.0	0.0	343.4

Manual Integrations
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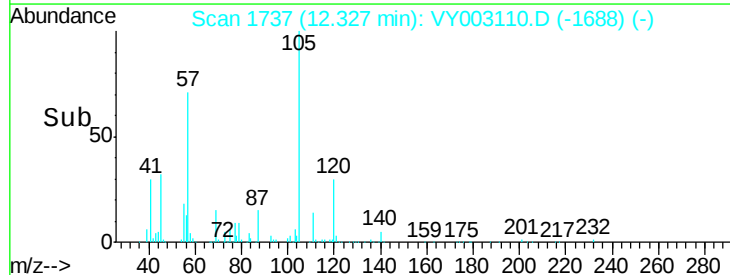
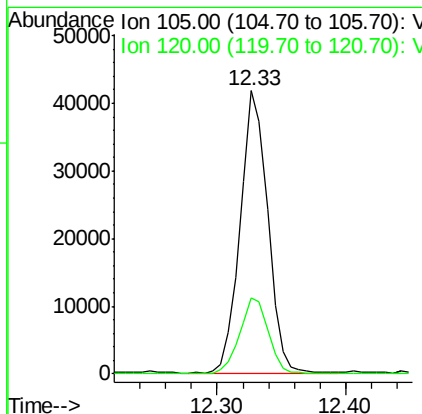
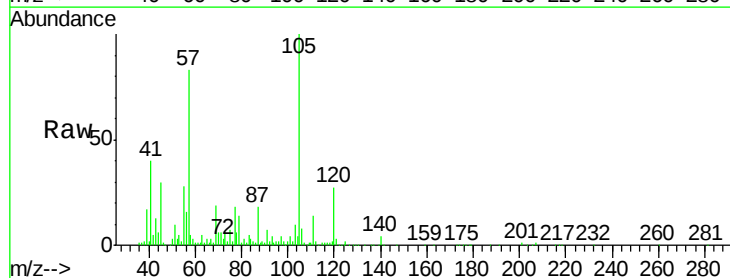
MMDadoda
7/7/2020 11:12:04 AM

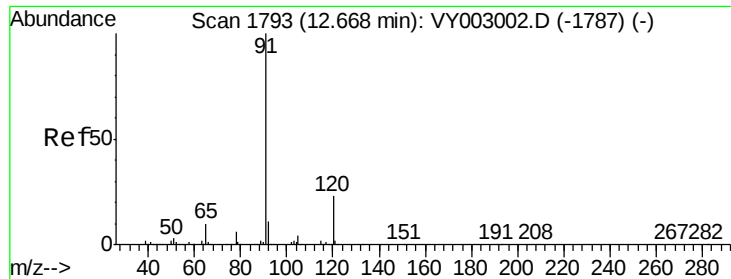


#73

Isopropylbenzene
Concen: 4.908 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY003110.D
Acq: 06 Jul 2020 14:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.0	13.4	40.1





#78

n-propylbenzene

Concen: 11.953 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY003110.D

Acq: 06 Jul 2020 14:01

Instrument :

MSVOA_Y

ClientSampleId :

E3-41-NHS

Tot Ion: 91 Resp: 180394

Ion Ratio Lower Upper

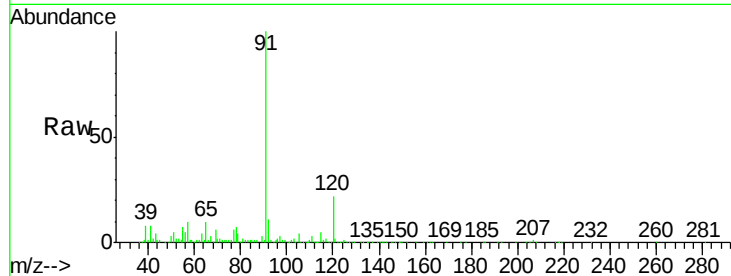
91 100

120 23.0 11.5 34.5

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Abundance Ion 91.00 (90.70 to 91.70): VY003110.D (-1744) (-)

Ion 120.00 (119.70 to 120.70): VY003110.D (-1744) (-)

150000

100000

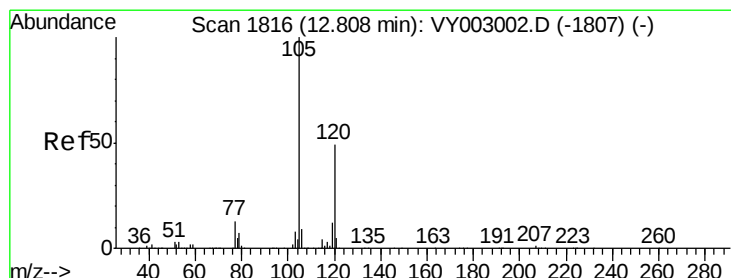
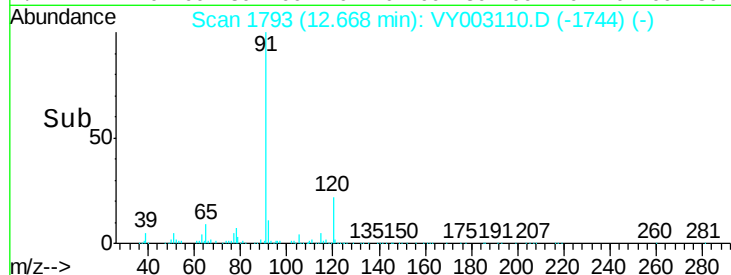
50000

0

12.67

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 34.336 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY003110.D

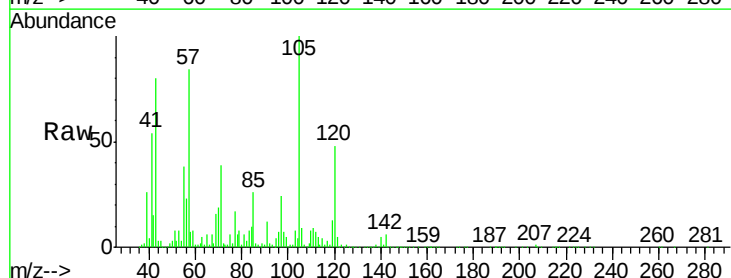
Acq: 06 Jul 2020 14:01

Tgt Ion: 105 Resp: 361580

Ion Ratio Lower Upper

105 100

120 50.7 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VY003110.D (-1767) (-)

Ion 120.00 (119.70 to 120.70): VY003110.D (-1767) (-)

250000

200000

150000

100000

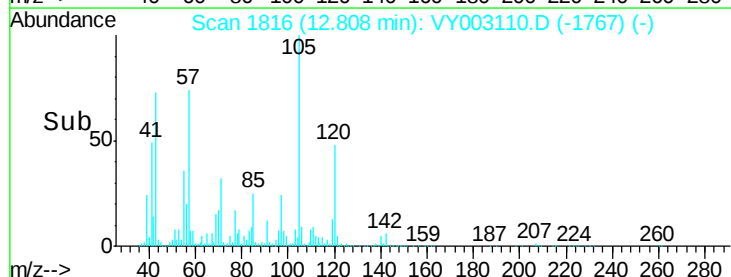
50000

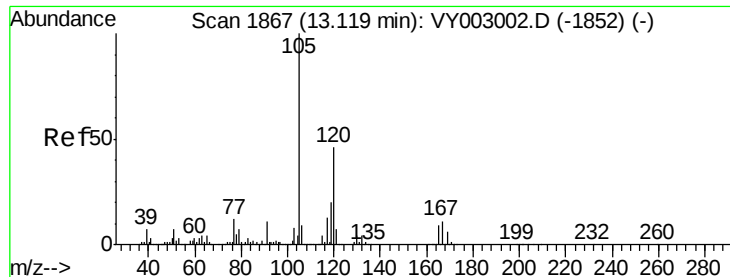
0

12.81

12.85

Time-->





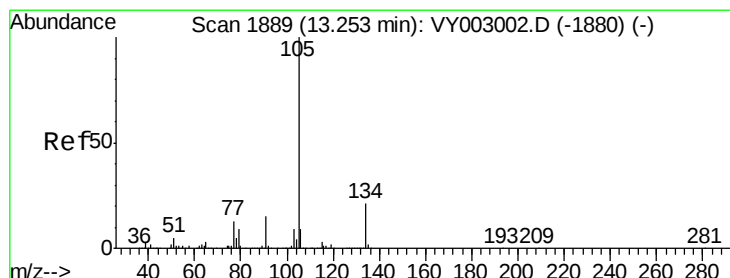
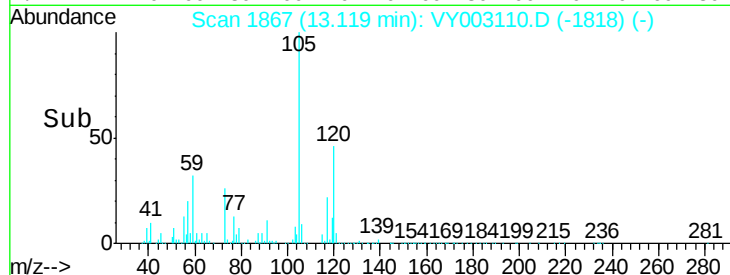
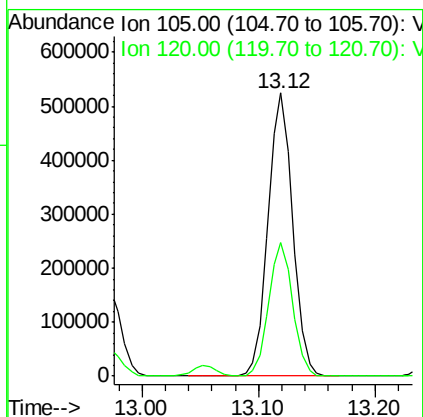
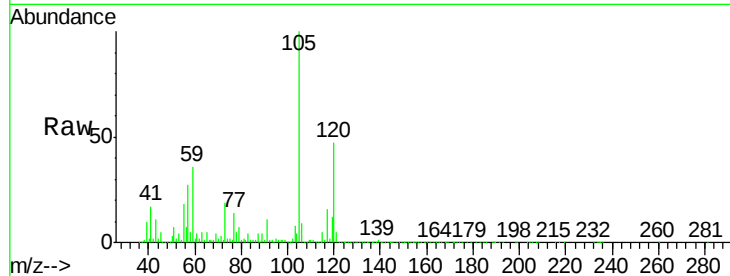
#84
 1,2,4-Trimethylbenzene
 Concen: 72.648 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY003110.D
 Acq: 06 Jul 2020 14:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 E3-41-NHS

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.6	67.8

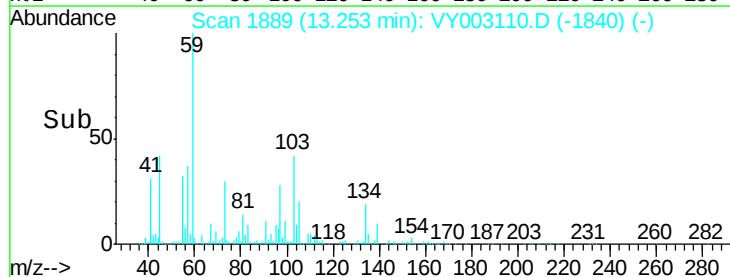
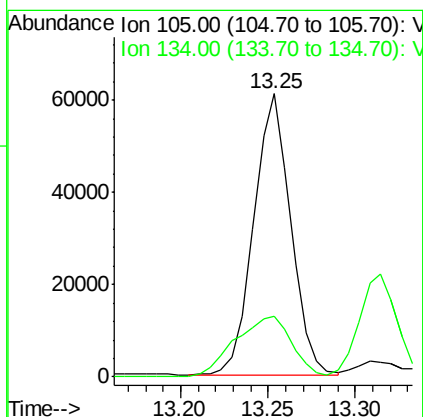
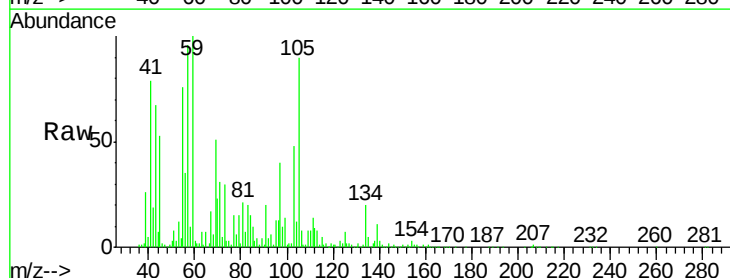
Manual Integrations
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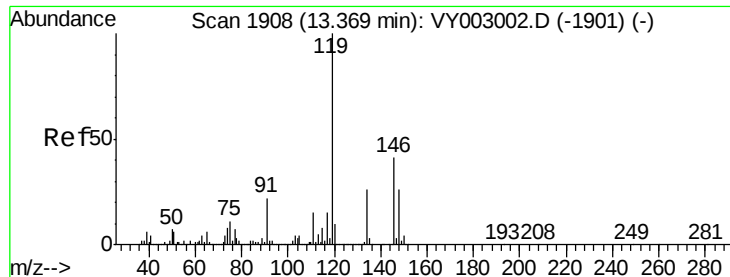
MMDadoda
 7/7/2020 11:12:04 AM



#85
 sec-Butylbenzene
 Concen: 7.041 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VY003110.D
 Acq: 06 Jul 2020 14:01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	32.4	10.4	31.2#





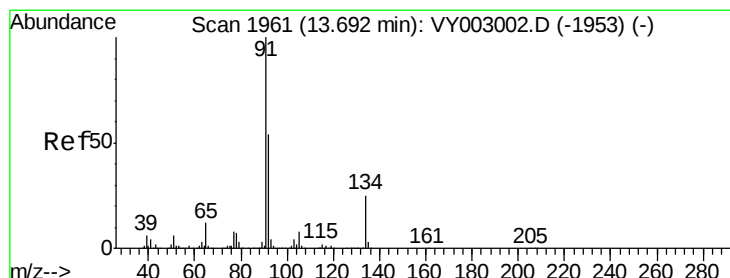
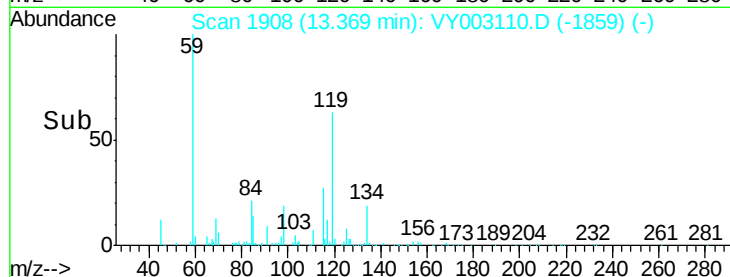
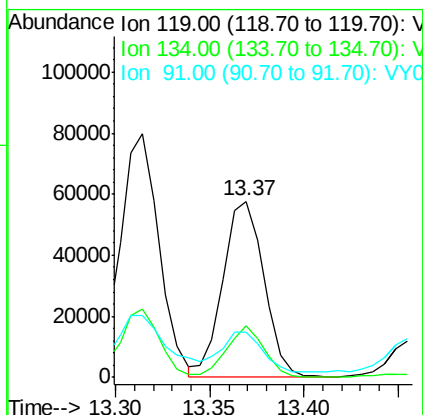
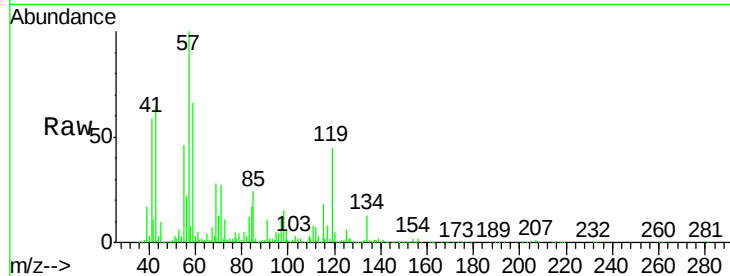
#86
p-Isopropyltoluene
Concen: 7.332 ug/l
RT: 13.37 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VY003110.D
Acq: 06 Jul 2020 14:01

Instrument :
MSVOA_Y
ClientSampled :
E3-41-NHS

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.5	40.4
91	22.4	11.5	34.5

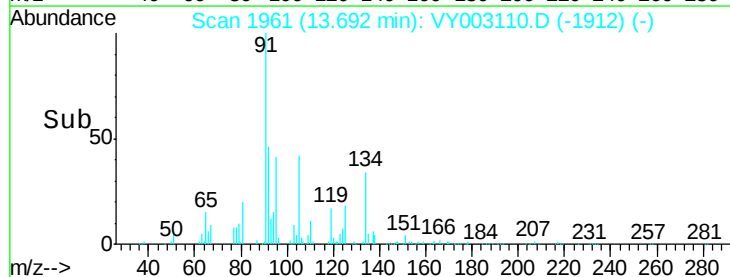
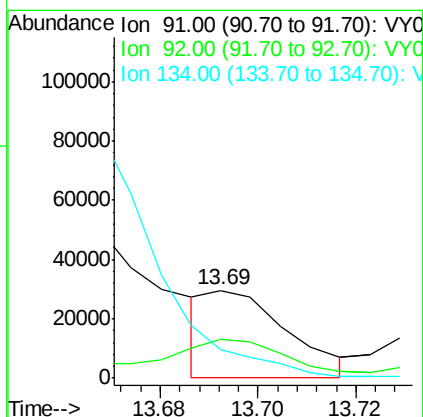
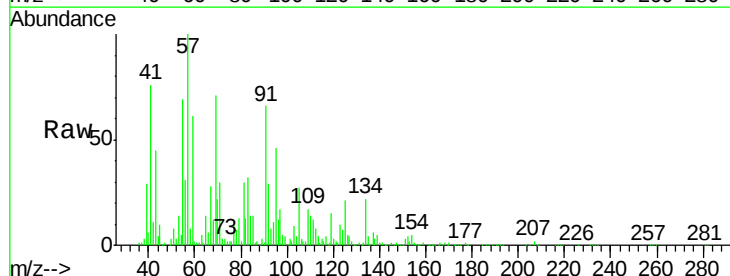
Manual Integrations
APPROVED

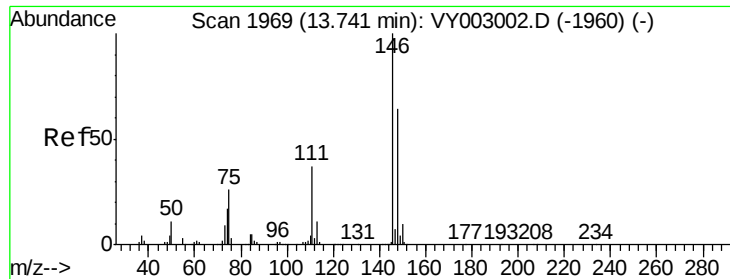
MMDadoda
7/7/2020 11:12:04 AM



#89
n-Butylbenzene
Concen: 2.971 ug/l m
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY003110.D
Acq: 06 Jul 2020 14:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.8	80.3#
134	448.3	13.1	39.1#





#91

1,2-Dichlorobenzene

Concen: 89.105 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VY003110.D

Acq: 06 Jul 2020 14:01

Instrument :

MSVOA_Y

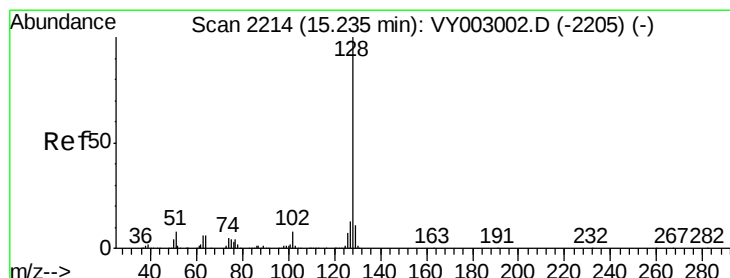
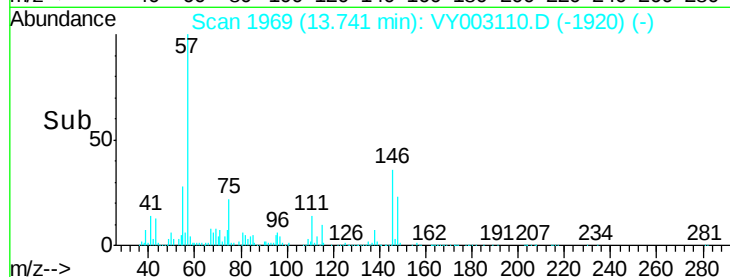
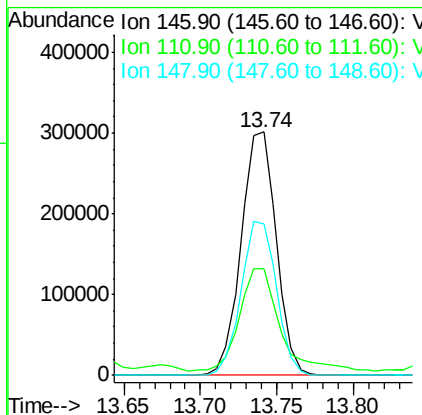
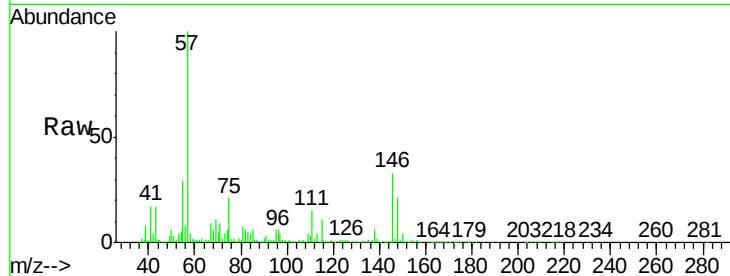
ClientSampleId :

E3-41-NHS

Tot Ion:	146	Resp:	480247
Ion Ratio	Lower	Upper	
146	100		
111	48.8	19.1	57.5
148	63.7	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
7/7/2020 11:12:04 AM



#95

Naphthalene

Concen: 6.131 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY003110.D

Acq: 06 Jul 2020 14:01

Tgt Ion:	128	Resp:	44848
Ion Ratio	Lower	Upper	
128	100		
127	86.0	10.8	16.2#
129	8.3	8.8	13.2#

