

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061920\
 Data File : VX016905.D
 Acq On : 20 Jun 2020 03:59
 Operator : JC/SP
 Sample : L3063-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-3

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 12:22:51 PM

Quant Time: Jun 22 07:11:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 12:07:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	304526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	492194	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	475600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	287196	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	172352	47.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.12%	
35) Dibromofluoromethane	5.47	113	159486	50.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.30%	
50) Toluene-d8	8.70	98	567394	45.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.08%	
62) 4-Bromofluorobenzene	11.12	95	240578	49.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.70%	
Target Compounds						
8) Diethyl Ether	2.17	74	2380	1.025	ug/l	90
16) Acetone	2.42	43	8144	6.125	ug/l	99
17) Carbon Disulfide	2.55	76	7515	0.894	ug/l	98
20) Methylene Chloride	2.84	84	3652	1.145	ug/l	95
68) m/p-Xylenes	10.35	106	2187	0.346	ug/l	98
78) n-propylbenzene	11.34	91	4313	0.209	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	7676	0.467	ug/l	99
89) n-Butylbenzene	12.37	91	3715m	0.258	ug/l	

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

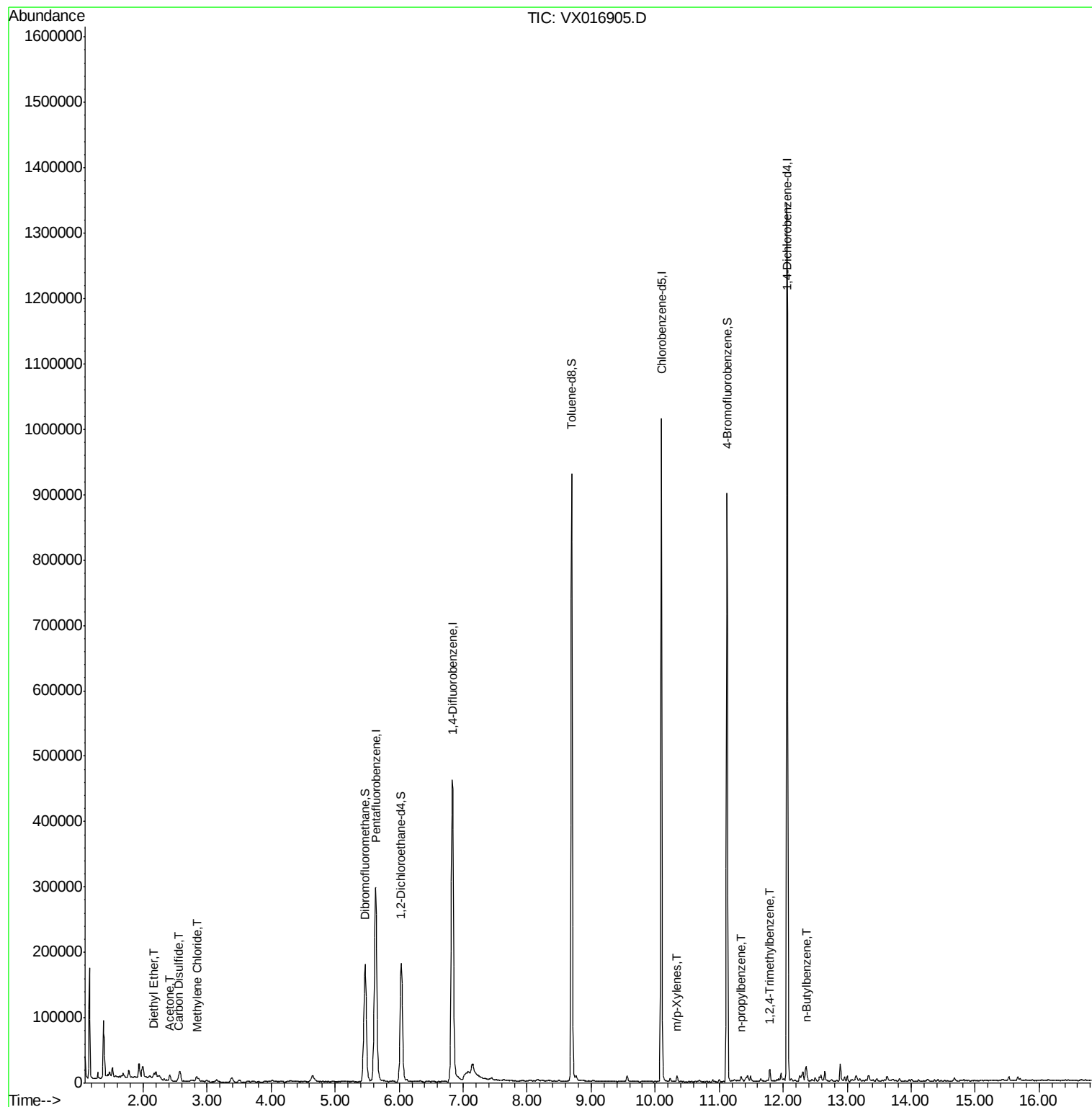
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061920\
Data File : VX016905.D
Acq On : 20 Jun 2020 03:59
Operator : JC/SP
Sample : L3063-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 38 Sample Multiplier: 1

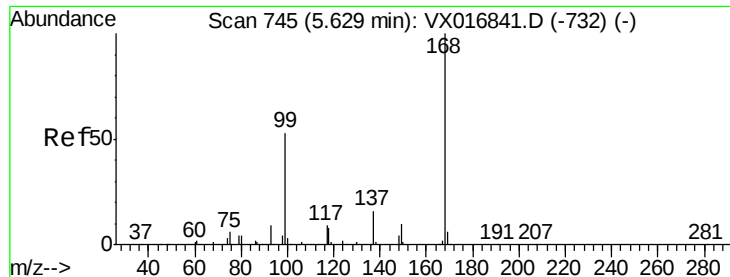
Instrument :
MSVOA_X
ClientSampled :
TW-3

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Quant Time: Jun 22 07:11:52 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 19 12:07:48 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016905.D

Acq: 20 Jun 2020 03:59

Instrument :

MSVOA_X

ClientSampled :

TW-3

Tot Ion:168 Resp: 304526

Ion Ratio Lower Upper

168 100

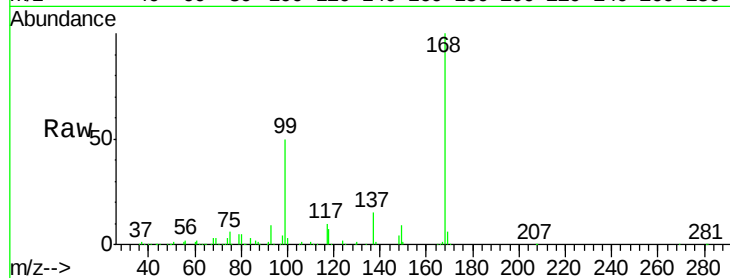
99 49.9 42.2 63.2

Manual Integrations

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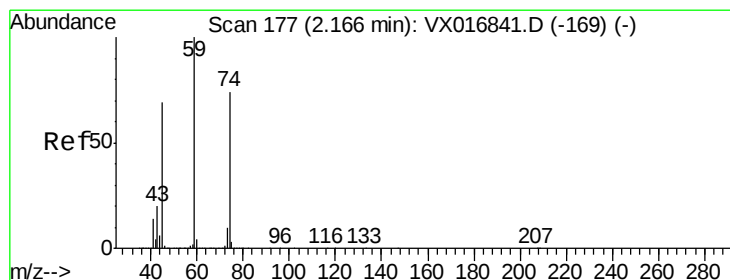
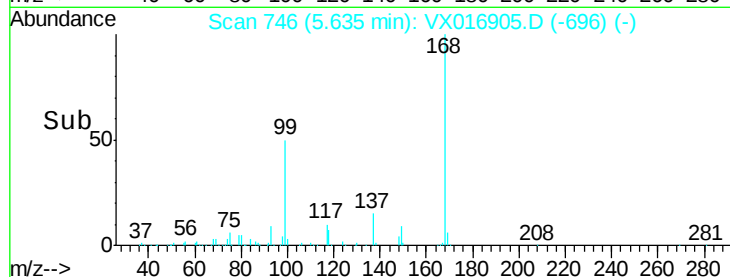
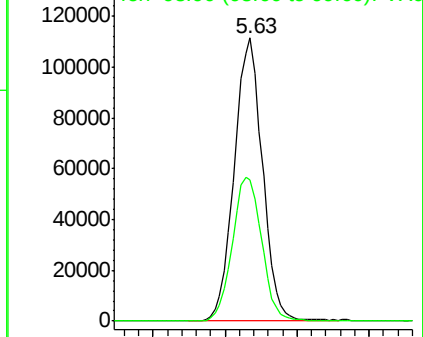
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 1.025 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX016905.D

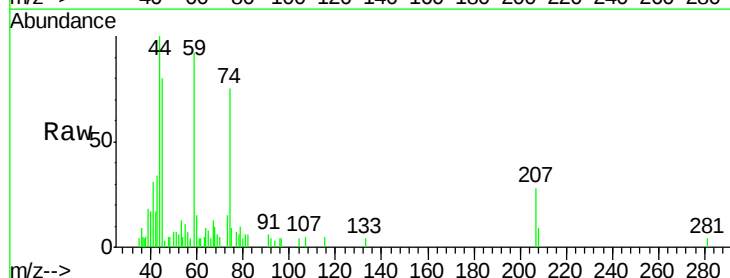
Acq: 20 Jun 2020 03:59

Tgt Ion: 74 Resp: 2380

Ion Ratio Lower Upper

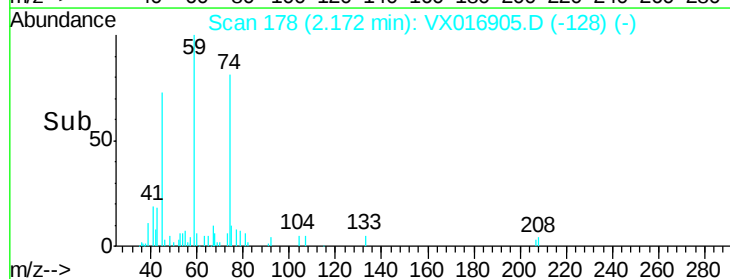
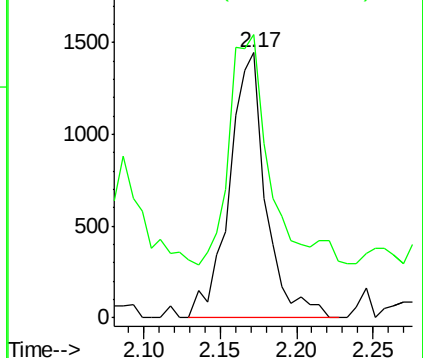
74 100

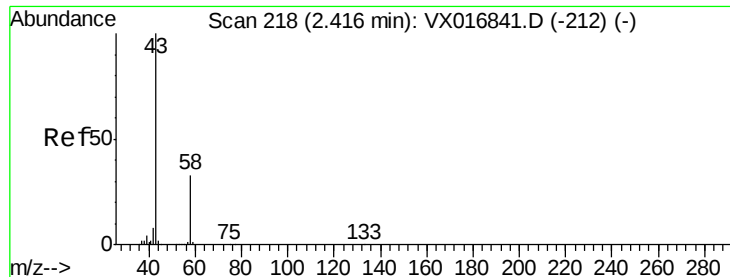
45 100.2 45.3 135.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#16

Acetone

Concen: 6.125 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016905.D

Acq: 20 Jun 2020 03:59

Instrument :

MSVOA_X

ClientSampled :

TW-3

Tot Ion: 43 Resp: 8144

Ion Ratio Lower Upper

43 100

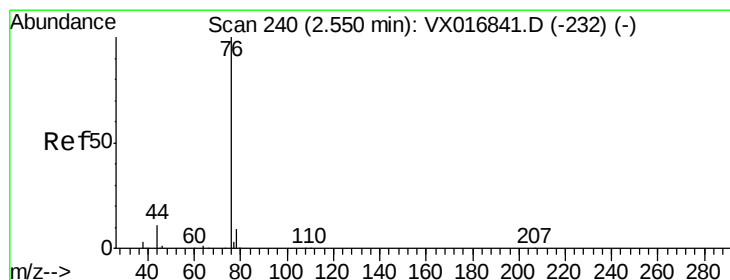
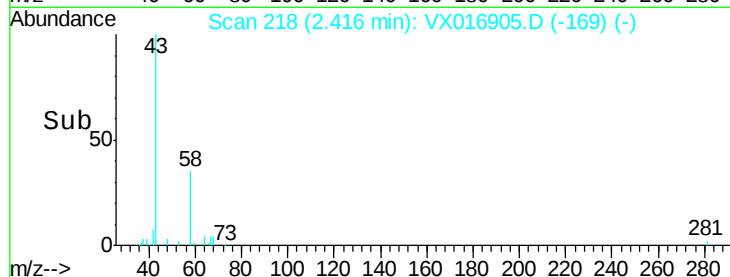
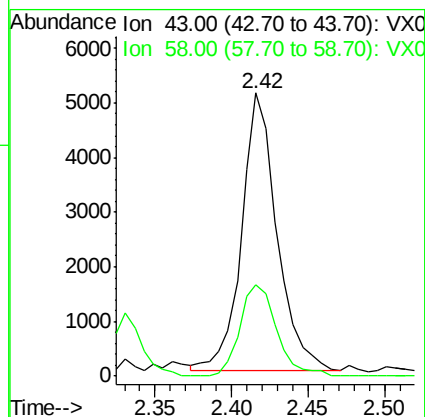
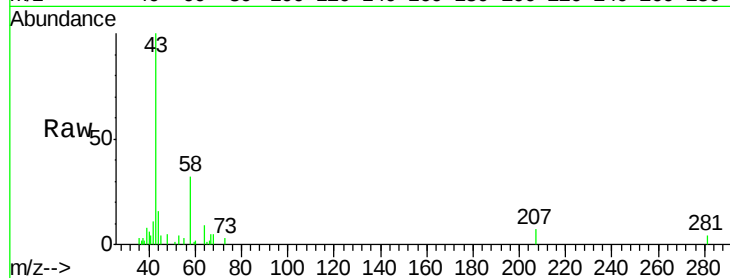
58 32.9 26.6 39.8

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#17

Carbon Disulfide

Concen: 0.894 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016905.D

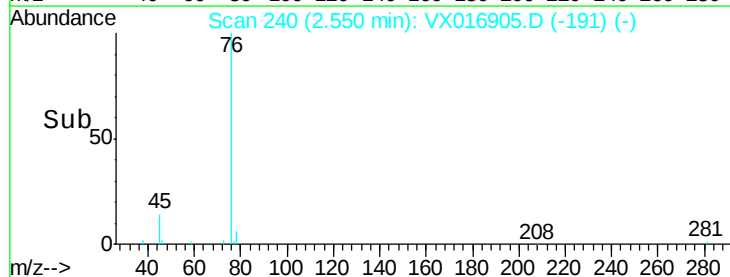
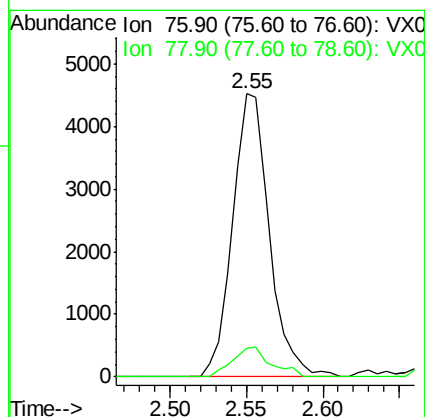
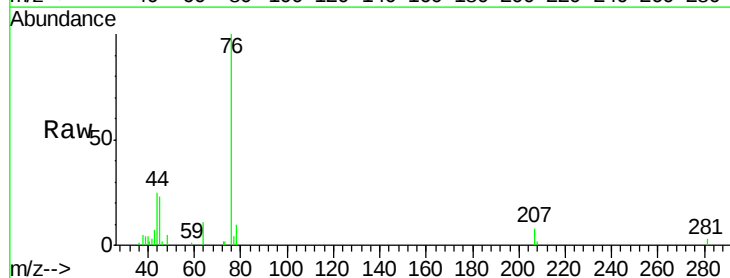
Acq: 20 Jun 2020 03:59

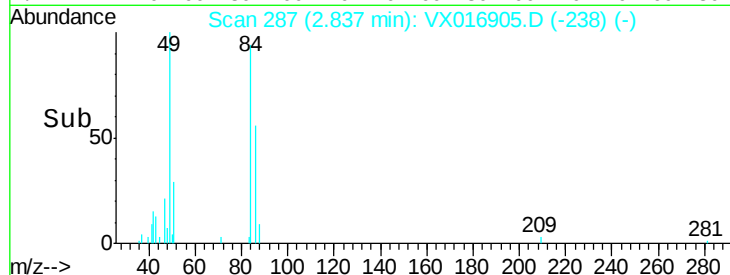
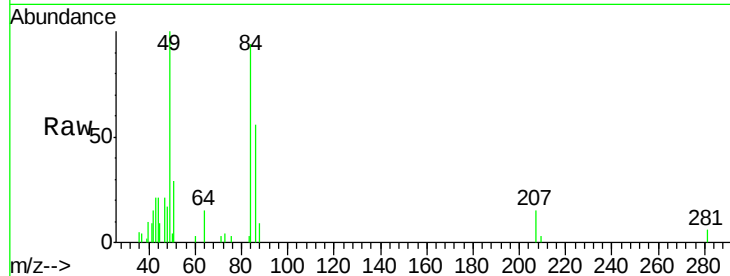
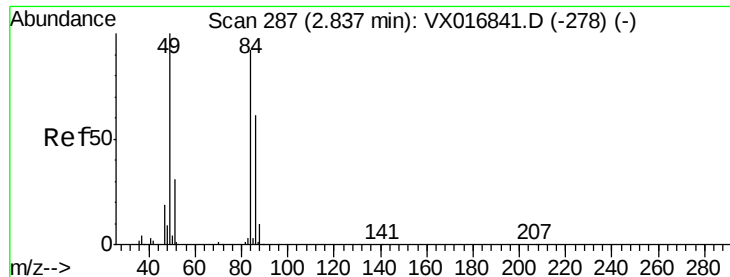
Tgt Ion: 76 Resp: 7515

Ion Ratio Lower Upper

76 100

78 10.2 7.5 11.3





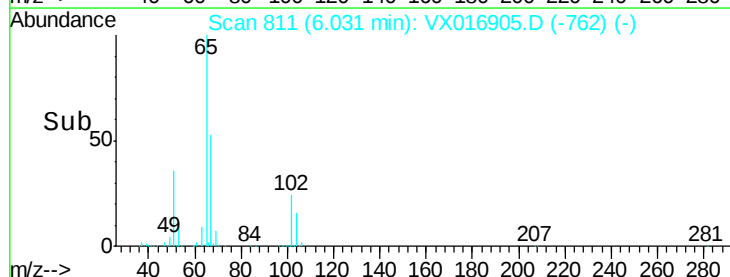
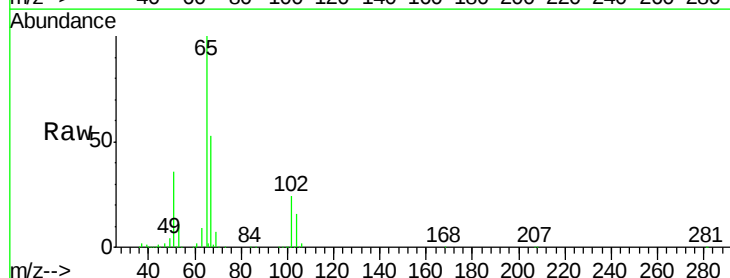
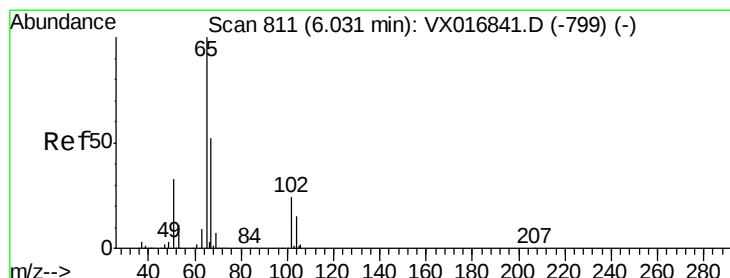
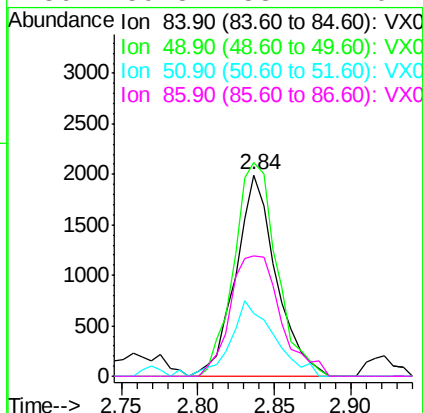
#20
Methvlene Chloride
Concen: 1.145 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016905.D
Acq: 20 Jun 2020 03:59

Tot Ion:	84	Resp:	3652
Ion	Ratio	Lower	Upper
84	100		
49	106.0	86.6	129.8
51	30.9	27.1	40.7
86	59.8	53.1	79.7

Instrument :
MSVOA_X
ClientSampleId :
TW-3

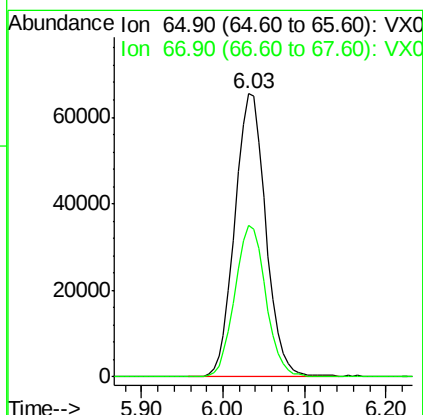
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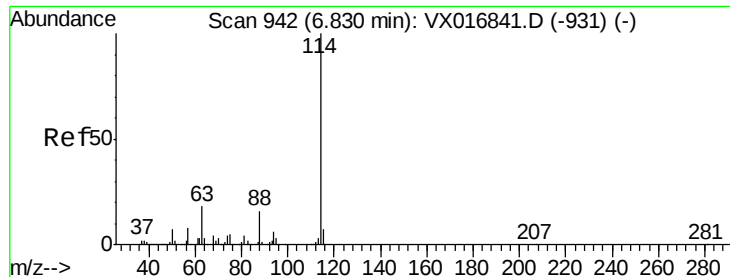
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#33
1,2-Dichloroethane-d4
Concen: 47.059 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016905.D
Acq: 20 Jun 2020 03:59

Tgt Ion:	65	Resp:	172352
Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016905.D

Acq: 20 Jun 2020 03:59

Instrument :

MSVOA_X

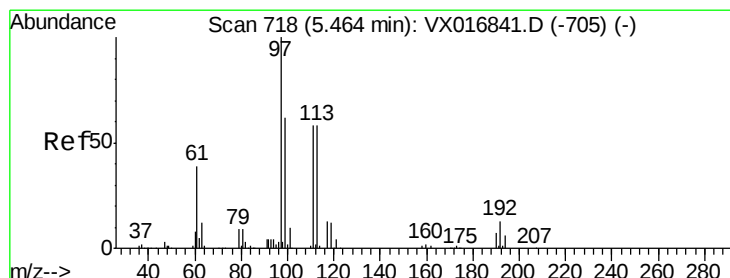
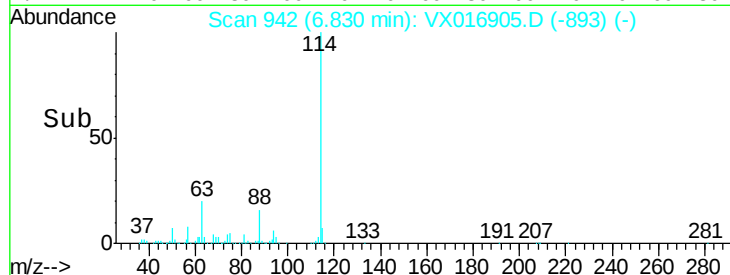
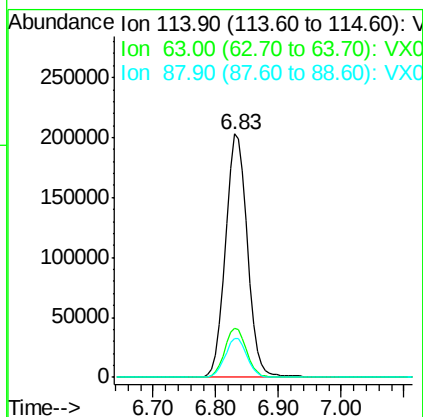
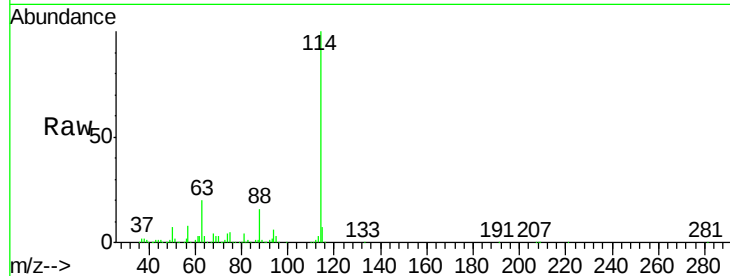
ClientSampled :

TW-3

Tot Ion:	114	Resp:	492194
Ion Ratio		Lower	Upper
114	100		
63	20.1	0.0	37.0
88	16.0	0.0	32.0

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#35

Dibromofluoromethane

Concen: 50.654 ug/l

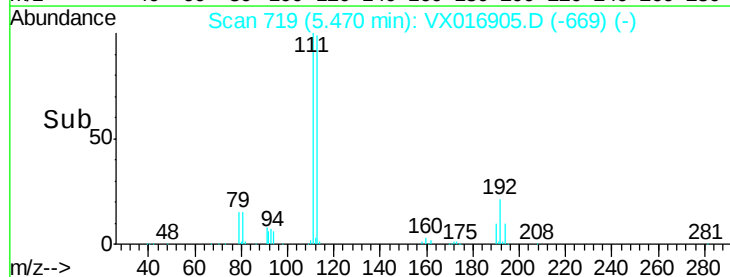
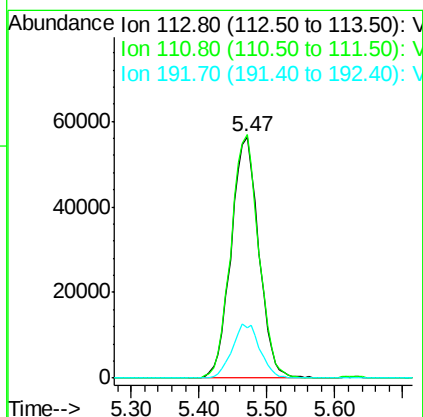
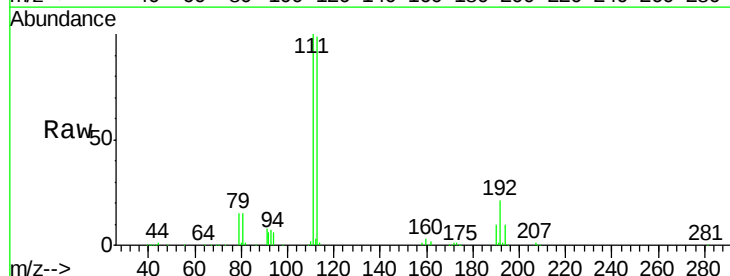
RT: 5.47 min Scan# 719

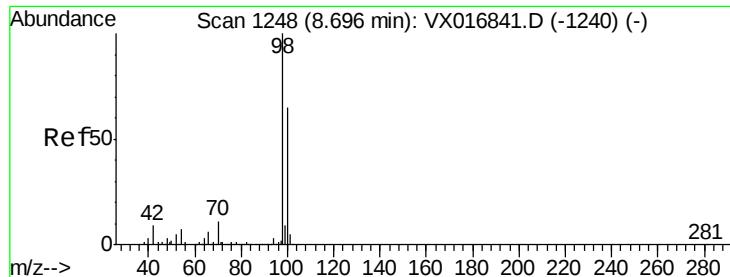
Delta R.T. 0.01 min

Lab File: VX016905.D

Acq: 20 Jun 2020 03:59

Tgt Ion:	113	Resp:	159486
Ion Ratio		Lower	Upper
113	100		
111	101.0	81.0	121.4
192	22.5	18.5	27.7





#50

Toluene-d8

Concen: 45.042 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016905.D

Acq: 20 Jun 2020 03:59

Instrument :

MSVOA_X

ClientSampleId :

TW-3

Tot Ion: 98 Resp: 567394

Ion Ratio Lower Upper

98 100

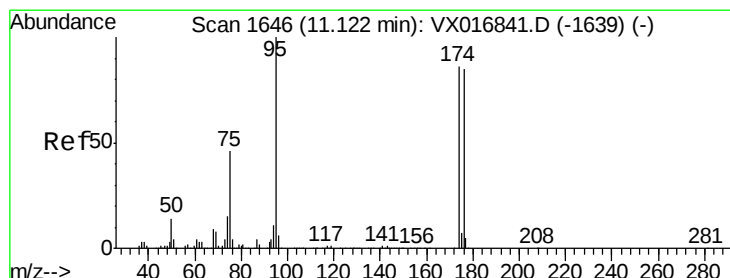
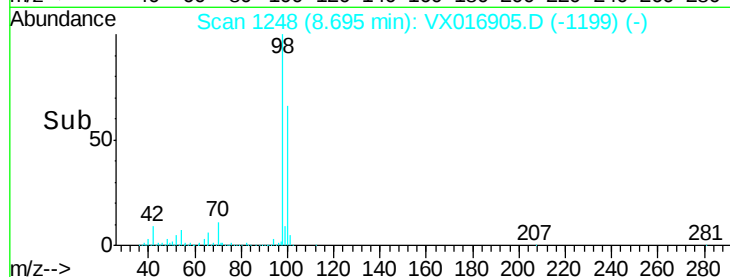
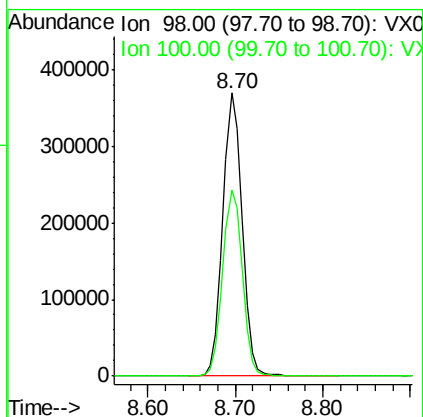
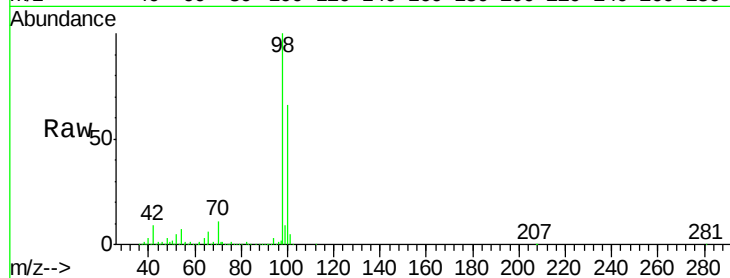
100 67.0 54.0 81.0

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#62

4-Bromofluorobenzene

Concen: 49.846 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016905.D

Acq: 20 Jun 2020 03:59

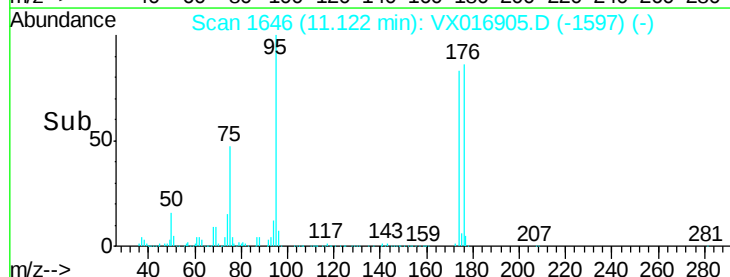
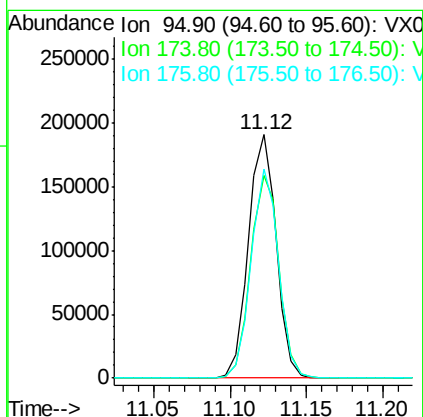
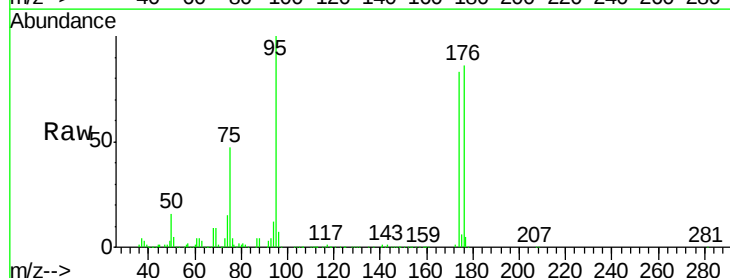
Tgt Ion: 95 Resp: 240578

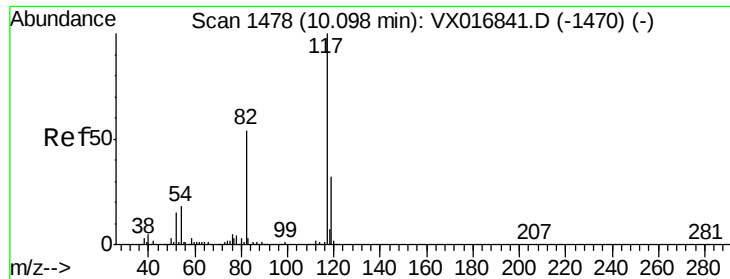
Ion Ratio Lower Upper

95 100

174 85.4 0.0 174.2

176 84.5 0.0 170.0





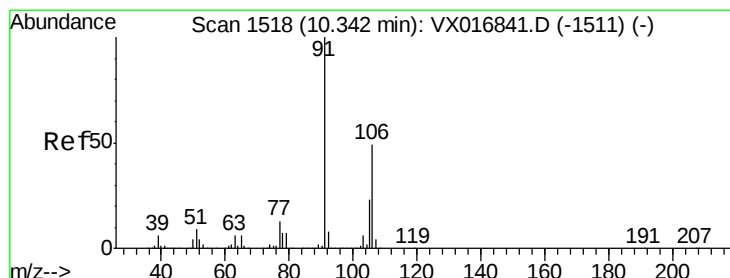
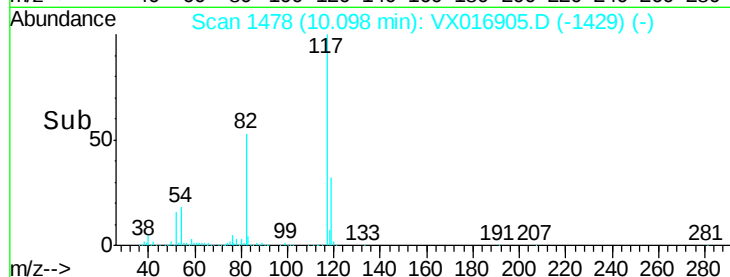
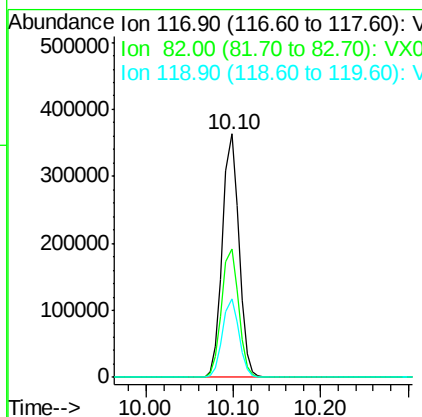
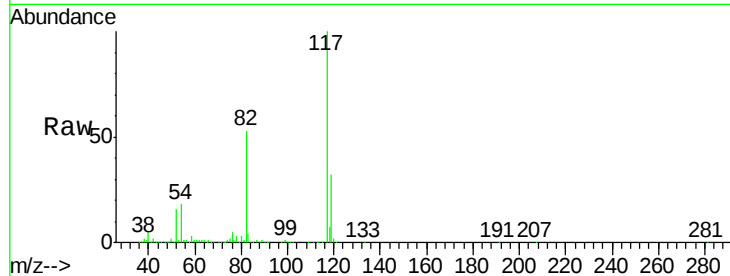
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016905.D
Acq: 20 Jun 2020 03:59

Instrument :
MSVOA_X
ClientSampled :
TW-3

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	43.4	65.0
119	32.5	25.7	38.5

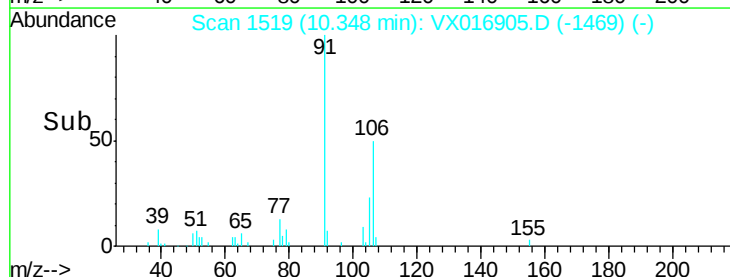
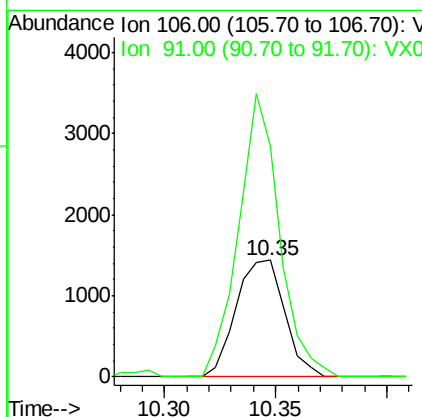
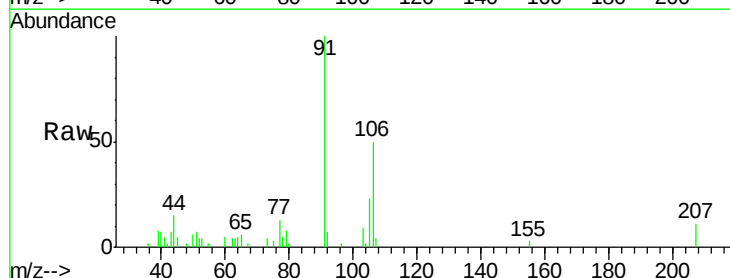
Manual Integrations
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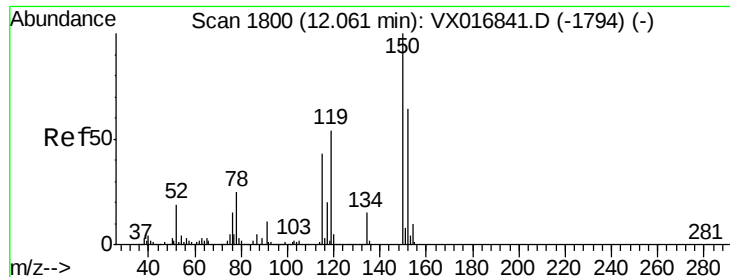
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#68
m/p-Xylenes
Concen: 0.346 ug/l
RT: 10.35 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VX016905.D
Acq: 20 Jun 2020 03:59

Tgt Ion	Ratio	Lower	Upper
106	100		
91	204.4	161.5	242.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016905.D

Acq: 20 Jun 2020 03:59

Instrument :

MSVOA_X

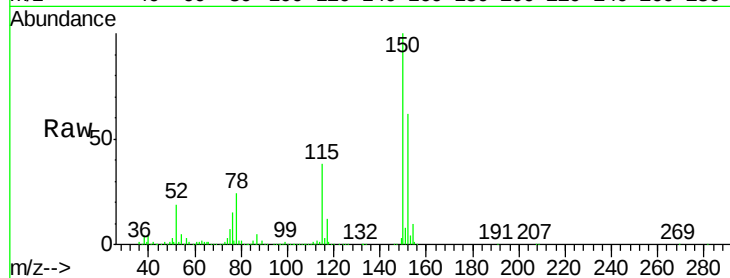
ClientSampled :

TW-3

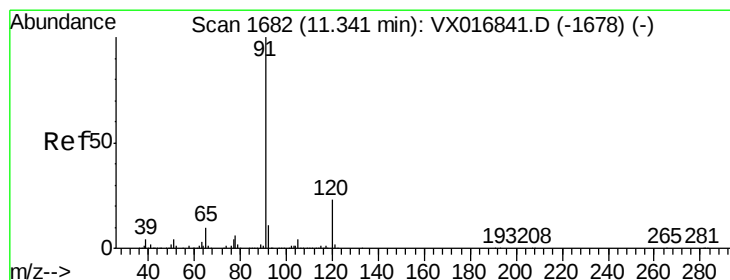
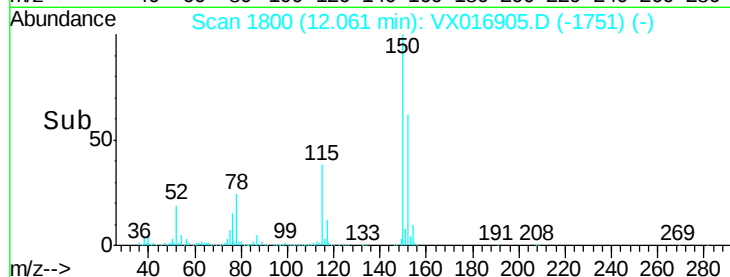
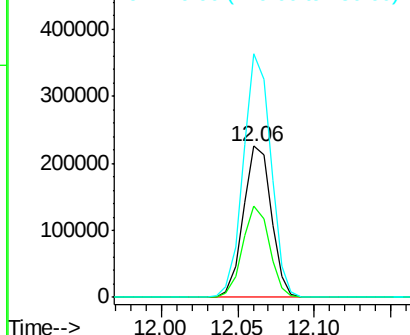
Tot Ion:	152	Resp:	287196
Ion Ratio	Lower	Upper	
152	100		
115	58.4	40.9	122.8
150	158.1	0.0	344.2

Manual Integrations
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#78

n-propylbenzene

Concen: 0.209 ug/l

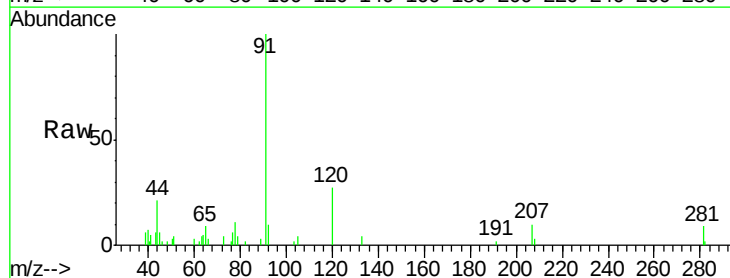
RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

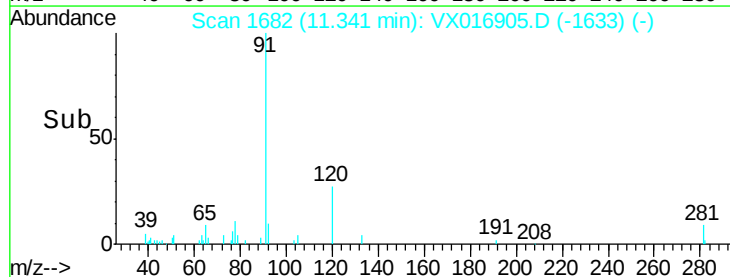
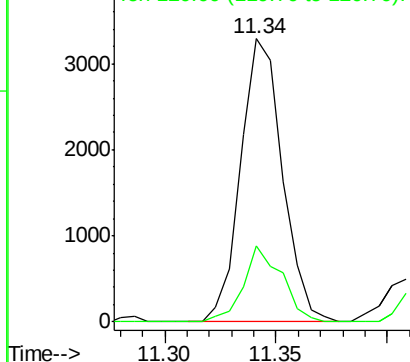
Lab File: VX016905.D

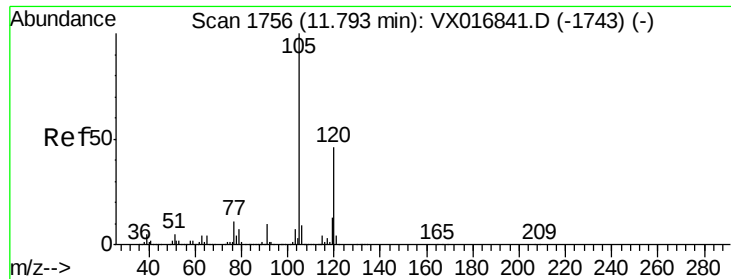
Acq: 20 Jun 2020 03:59

Tgt Ion:	91	Resp:	4313
Ion Ratio	Lower	Upper	
91	100		
120	24.7	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





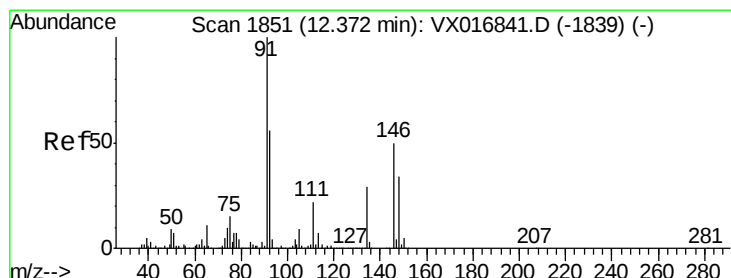
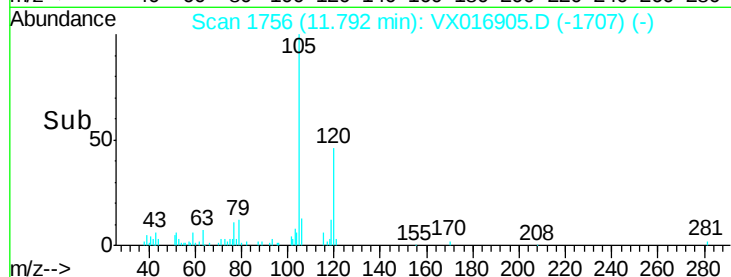
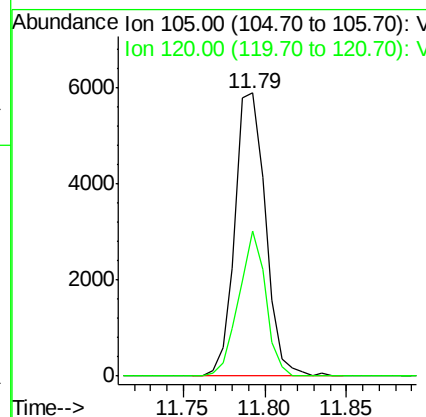
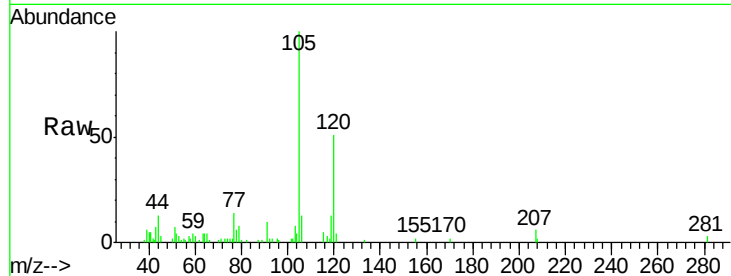
#84
 1,2,4-Trimethylbenzene
 Concen: 0.467 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX016905.D
 Acq: 20 Jun 2020 03:59

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-3

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.3	66.9

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 12:22:51 PM



#89
 n-Butylbenzene
 Concen: 0.258 ug/l m
 RT: 12.37 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: VX016905.D
 Acq: 20 Jun 2020 03:59

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.3	27.4	82.2
134	116.9	13.9	41.6#

