

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
 Data File : VY000282.D
 Acq On : 11 Oct 2019 19:44
 Operator : SY/MD
 Sample : K5350-01
 Misc : 7.78G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-209

Manual Integrations
 APPROVED

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 10/15/2019 12:34:14 PM

Quant Time: Oct 14 08:38:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	216431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	401789	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	334472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	132259	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	130953	57.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.72%	
35) Dibromofluoromethane	7.74	113	118934	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
50) Toluene-d8	10.19	98	452843	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
62) 4-Bromofluorobenzene	12.48	95	147030	41.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.02%	
Target Compounds						
					Qvalue	
16) Acetone	3.96	43	19461	26.322	ug/l	99
17) Carbon Disulfide	4.21	76	11188	1.626	ug/l #	92
25) 2-Butanone	7.01	43	8106	7.783	ug/l	95
39) Methylcyclohexane	9.19	83	8858	1.720	ug/l	92
40) Benzene	8.17	78	31913	2.807	ug/l	98
52) Toluene	10.25	92	31377	4.347	ug/l	97
67) Ethyl Benzene	11.60	91	1731750	132.341	ug/l	100
68) m/p-Xylenes	11.70	106	484615	96.877	ug/l	98
69) o-Xylene	12.03	106	423896	88.828	ug/l	100
73) Isopropylbenzene	12.33	105	1024324	99.326	ug/l	100
78) n-propylbenzene	12.67	91	491033	39.657	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	1520600	175.843	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	5178737	606.786	ug/l	100
85) sec-Butylbenzene	13.25	105	109472m	10.334	ug/l	
86) p-Isopropyltoluene	13.37	119	559495	60.580	ug/l	97
89) n-Butylbenzene	13.70	91	226902	24.861	ug/l #	78
95) Naphthalene	15.23	128	31013634m	4878.221	ug/l	

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

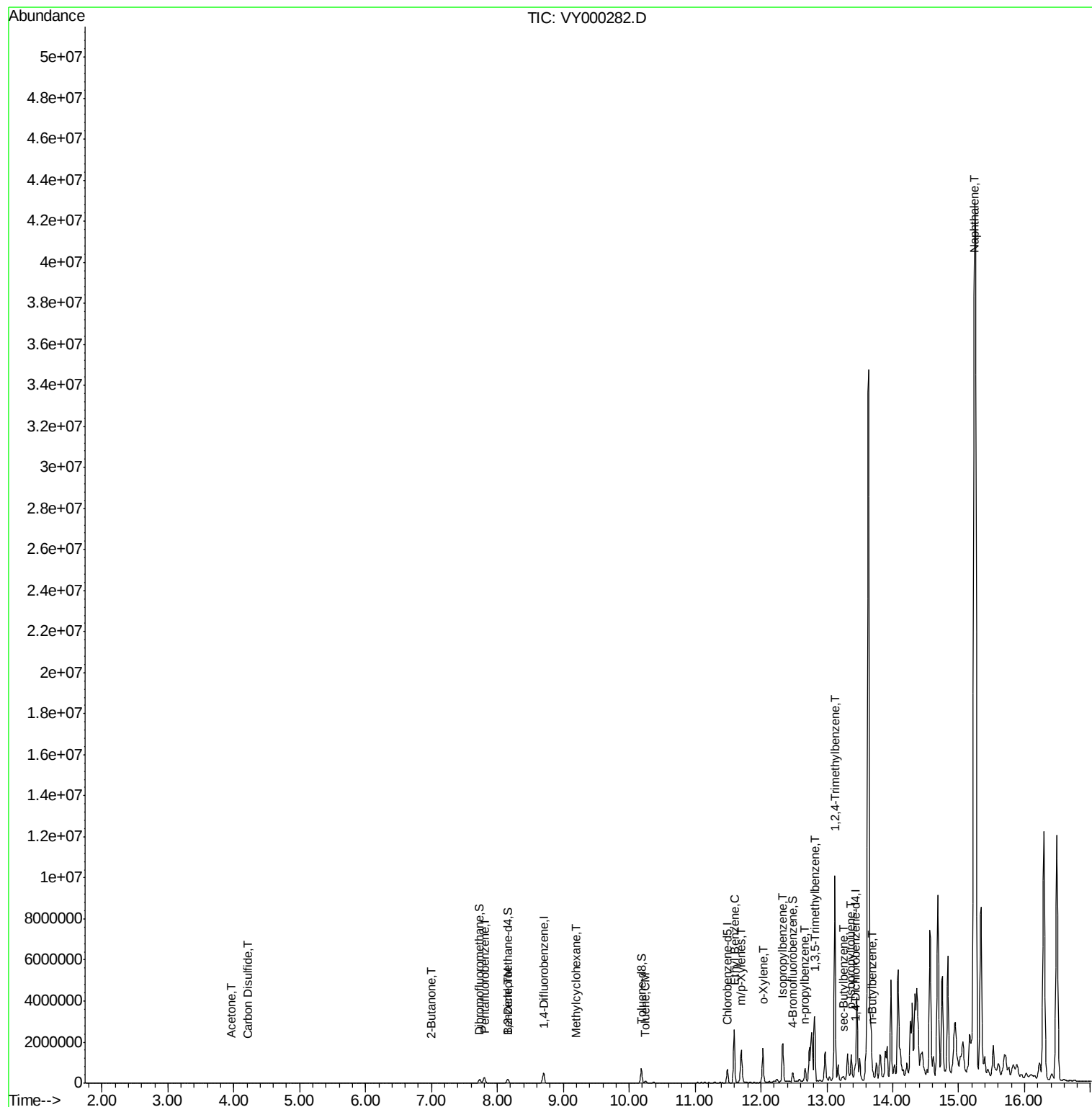
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
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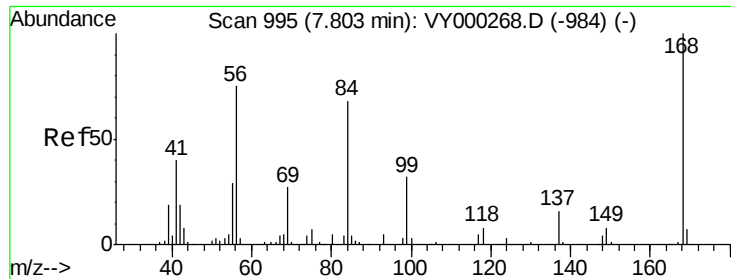
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-209

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Quant Time: Oct 14 08:38:13 2019
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Quant Title : SW846 8260
QLast Update : Mon Oct 14 08:10:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000282.D

Acq: 11 Oct 2019 19:44

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-209

Tot Ion:168 Resp: 216431

Ion Ratio Lower Upper

168 100

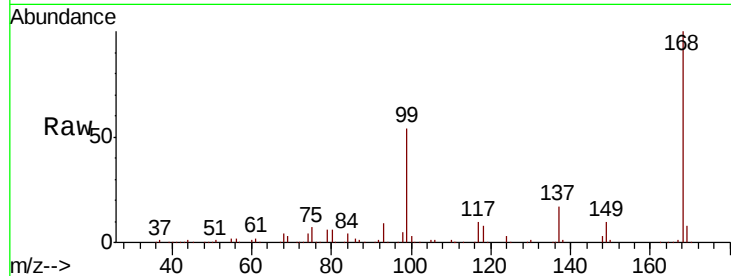
99 54.4 46.6 69.8

Manual Integrations

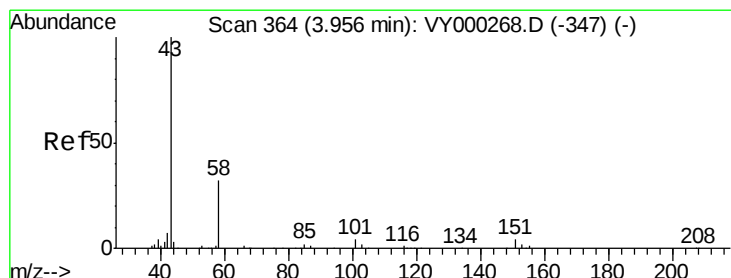
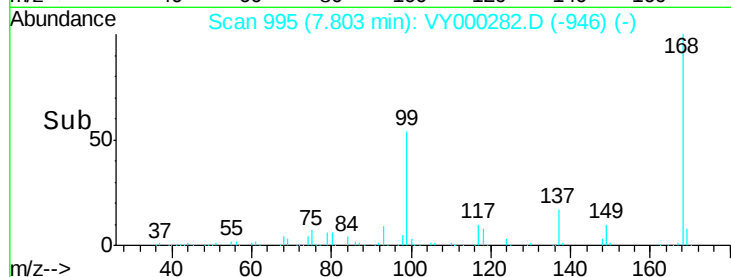
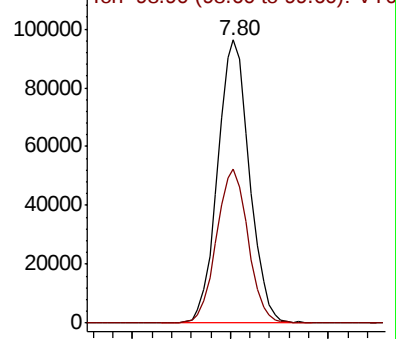
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Abundance Ion 167.90 (167.60 to 168.60): VY000282.D (-946) (-)



#16

Acetone

Concen: 26.322 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000282.D

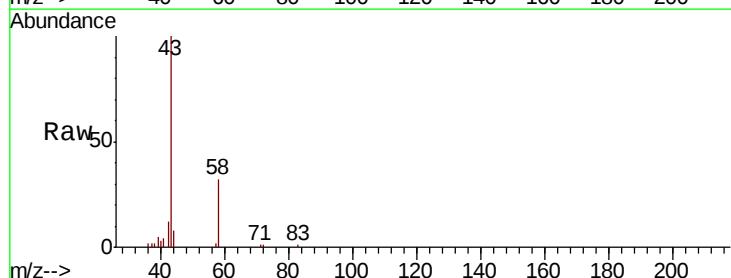
Acq: 11 Oct 2019 19:44

Tgt Ion: 43 Resp: 19461

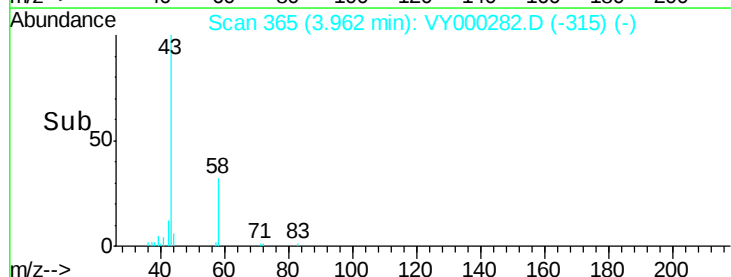
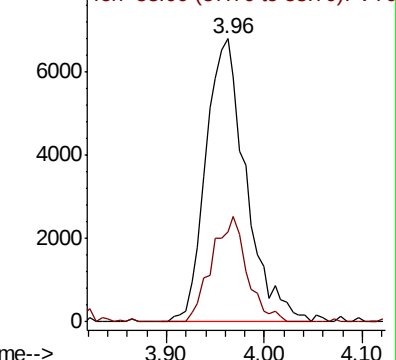
Ion Ratio Lower Upper

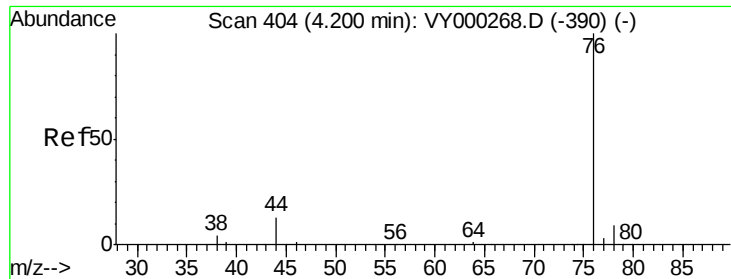
43 100

58 31.8 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY000282.D (-315) (-)





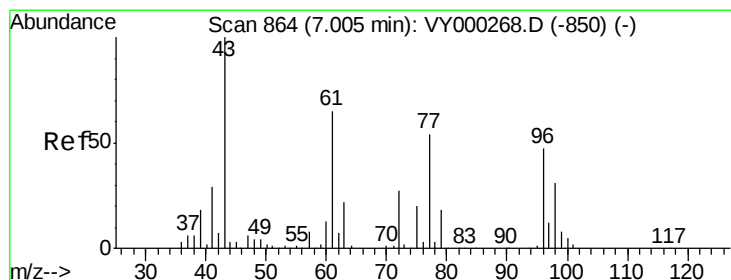
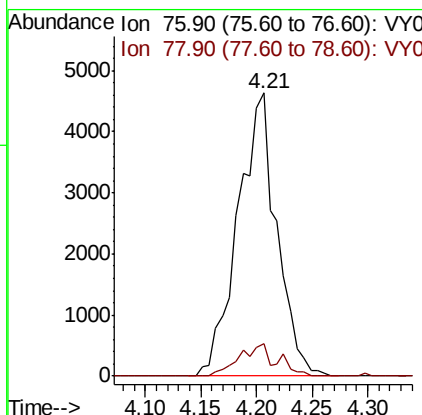
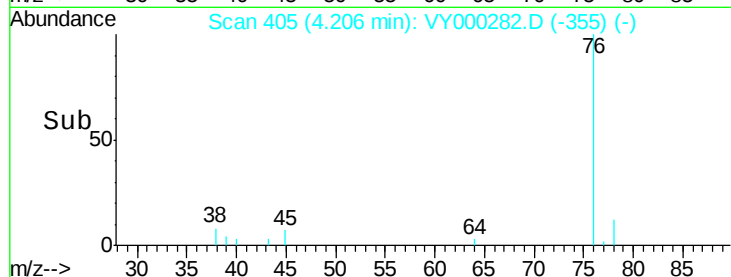
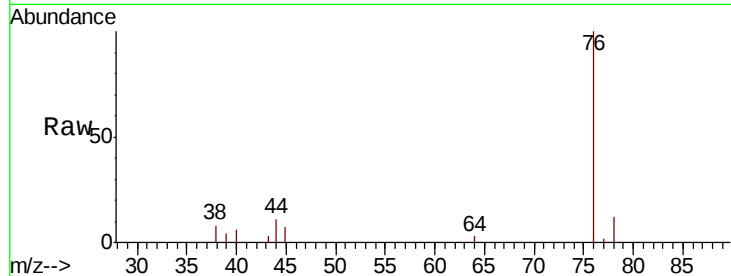
#17
Carbon Disulfide
Concen: 1.626 ug/l
RT: 4.21 min Scan# 405
Delta R.T. 0.01 min
Lab File: VY000282.D
Acq: 11 Oct 2019 19:44

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-209

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.6	7.0	10.4#

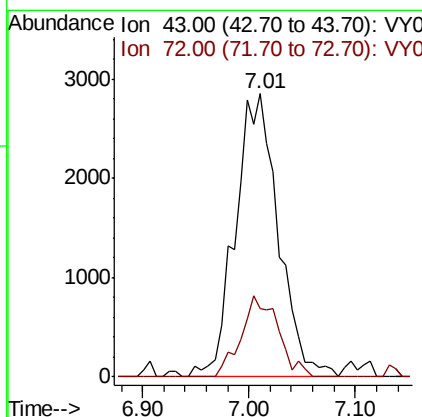
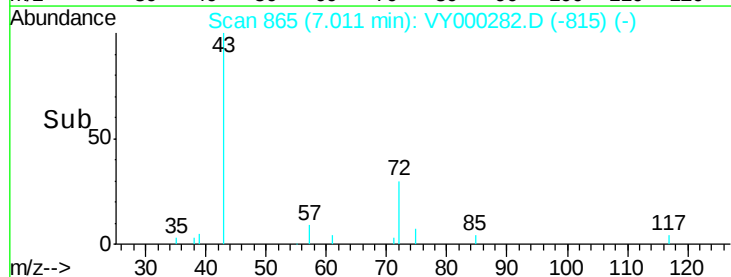
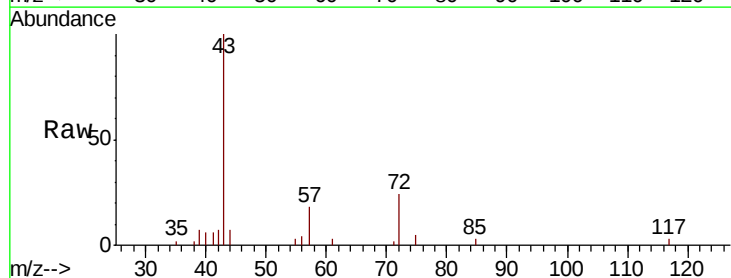
Manual Integrations
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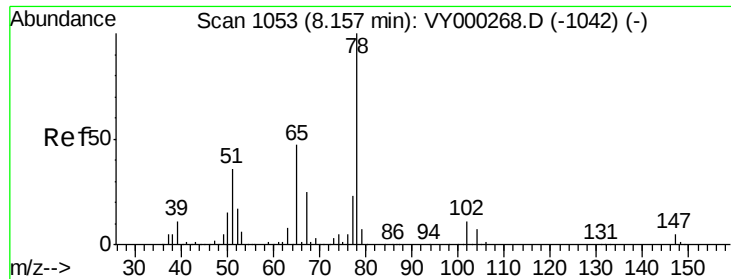
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#25
2-Butanone
Concen: 7.783 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY000282.D
Acq: 11 Oct 2019 19:44

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.3	21.4	32.2





#33

1,2-Dichloroethane-d4

Concen: 57.360 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY000282.D

Acq: 11 Oct 2019 19:44

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-209

Tot Ion: 65 Resp: 130953

Ion Ratio Lower Upper

65 100

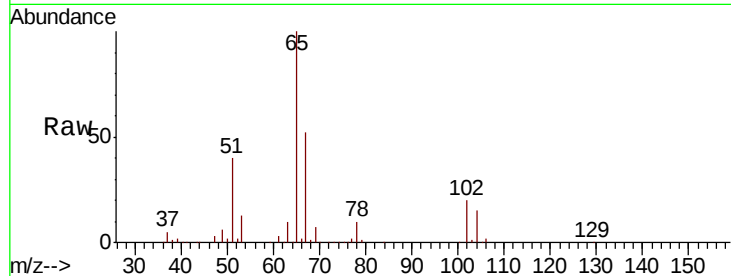
67 52.2 0.0 109.4

Manual Integrations

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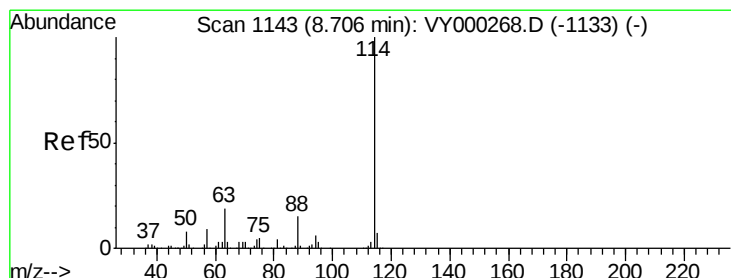
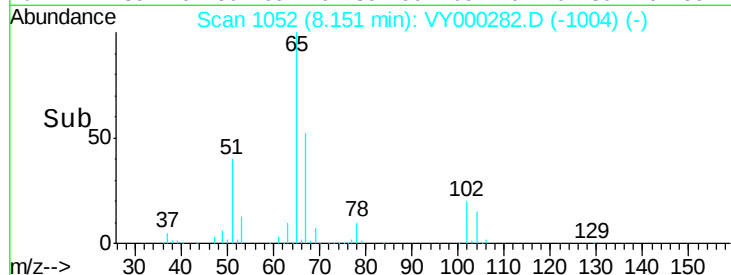
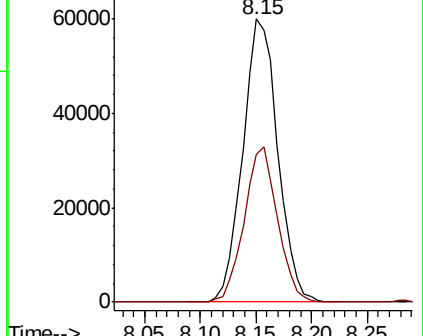
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Abundance Ion 64.90 (64.60 to 65.60): VY000282.D (-1004) (-)

Ion 66.90 (66.60 to 67.60): VY000282.D (-1004) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY000282.D

Acq: 11 Oct 2019 19:44

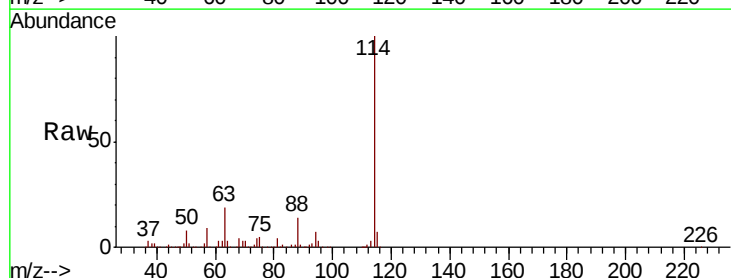
Tgt Ion: 114 Resp: 401789

Ion Ratio Lower Upper

114 100

63 19.3 0.0 37.2

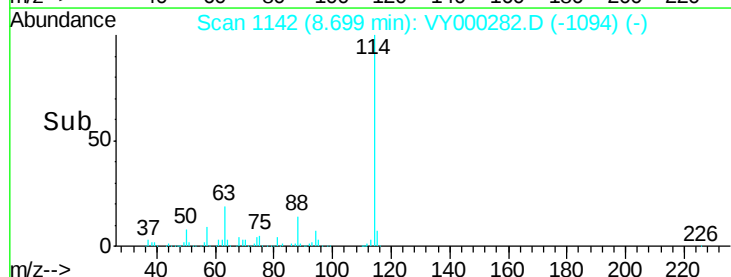
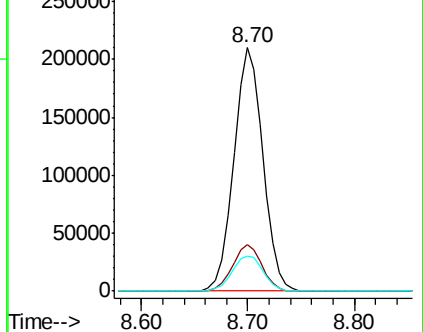
88 14.3 0.0 30.2

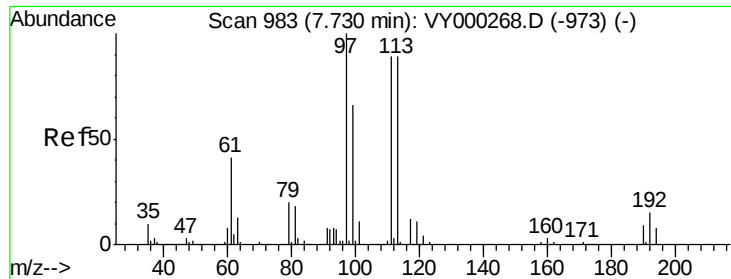


Abundance Ion 113.90 (113.60 to 114.60): VY000282.D (-1094) (-)

Ion 63.00 (62.70 to 63.70): VY000282.D (-1094) (-)

Ion 87.90 (87.60 to 88.60): VY000282.D (-1094) (-)





#35

Dibromofluoromethane

Concen: 49.073 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY000282.D

Acq: 11 Oct 2019 19:44

Instrument :

MSVOA_Y

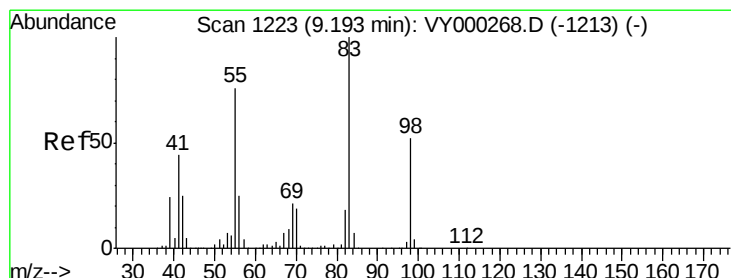
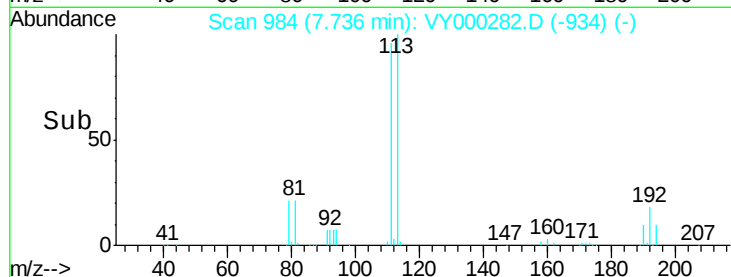
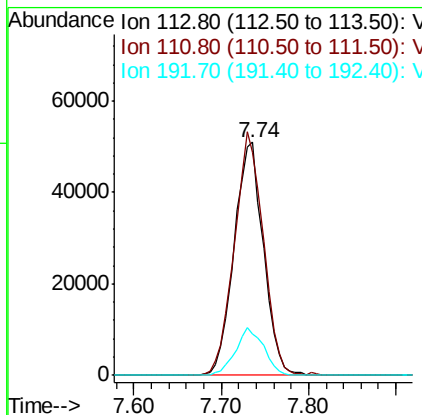
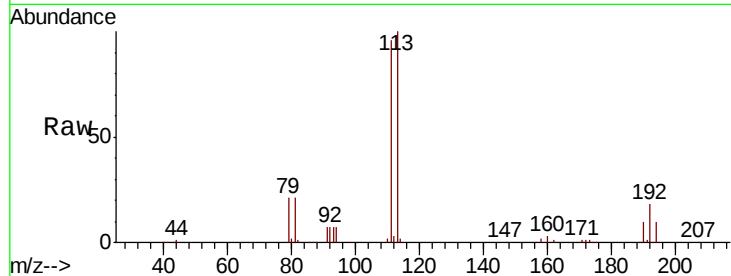
ClientSampleId :

VNJ-209

Tot Ion:	113	Resp:	118934
Ion Ratio	Lower	Upper	
113	100		
111	103.0	81.6	122.4
192	19.7	15.3	22.9

Manual Integrations
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#39

Methylcyclohexane

Concen: 1.720 ug/l

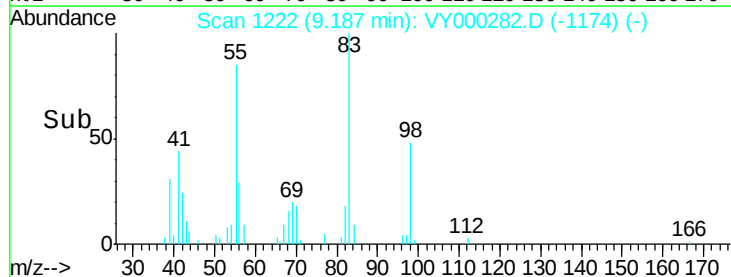
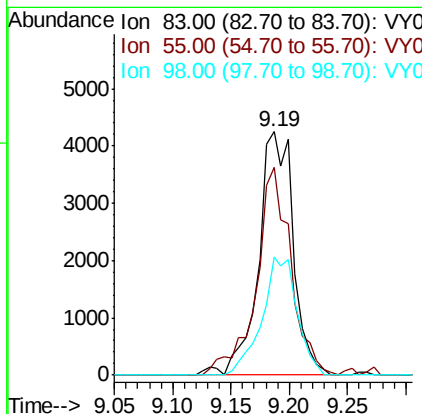
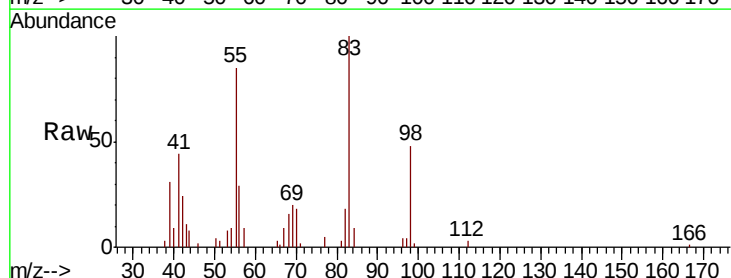
RT: 9.19 min Scan# 1222

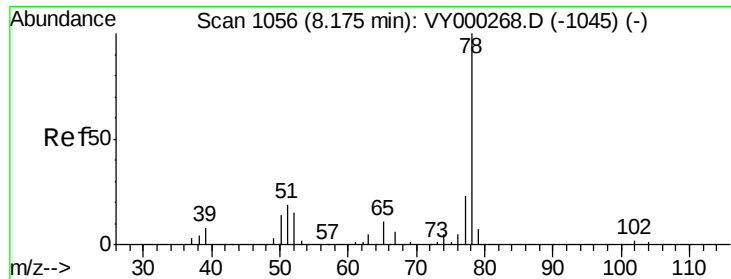
Delta R.T. -0.01 min

Lab File: VY000282.D

Acq: 11 Oct 2019 19:44

Tgt Ion:	83	Resp:	8858
Ion Ratio	Lower	Upper	
83	100		
55	85.1	60.9	91.3
98	48.3	41.8	62.6





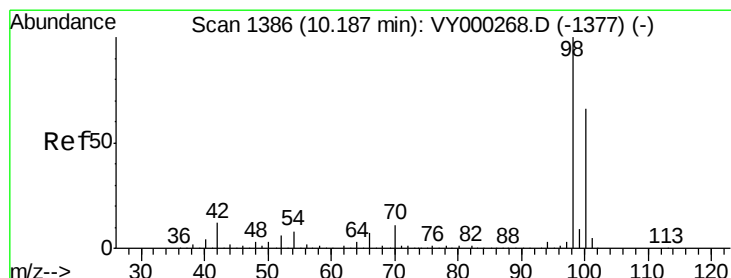
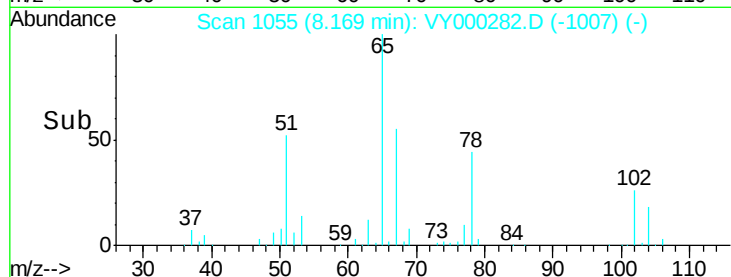
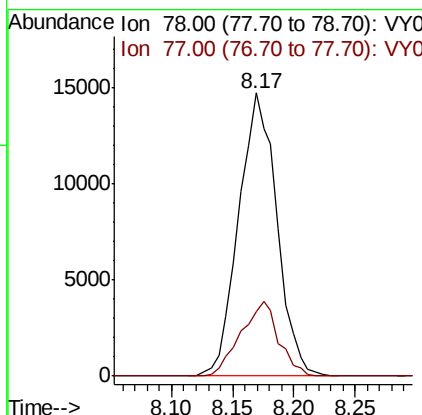
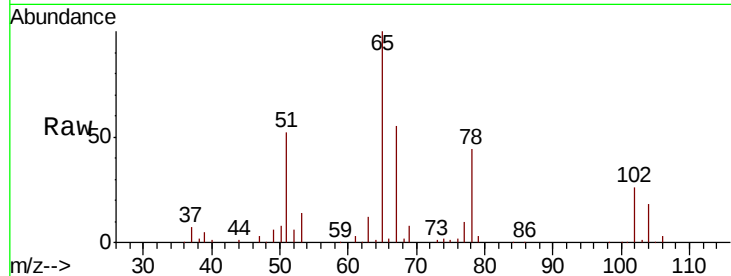
#40
Benzene
Concen: 2.807 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000282.D
Acq: 11 Oct 2019 19:44

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-209

Tot Ion: 78 Resp: 31913
Ion Ratio Lower Upper
78 100
77 22.8 18.8 28.2

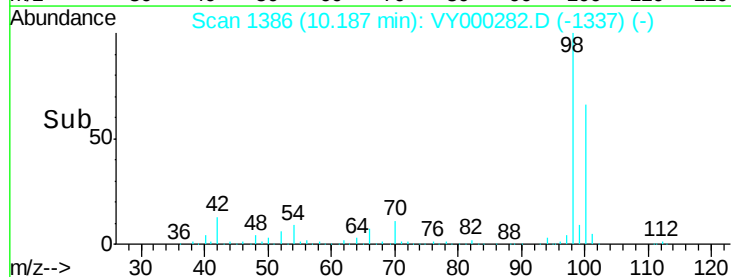
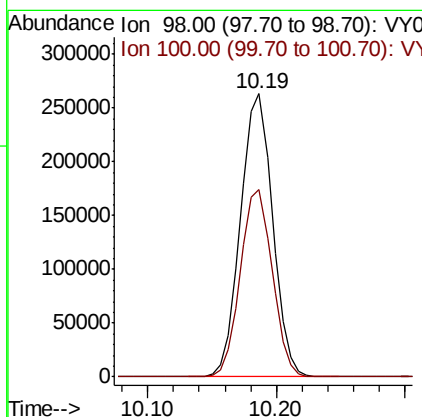
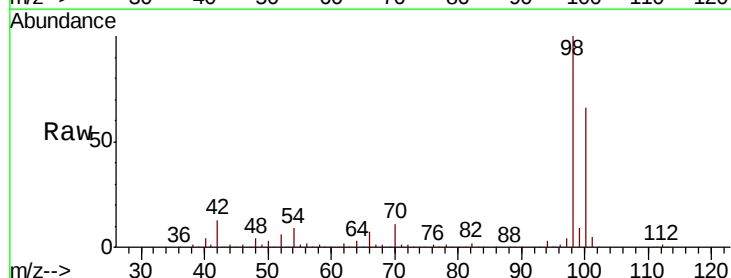
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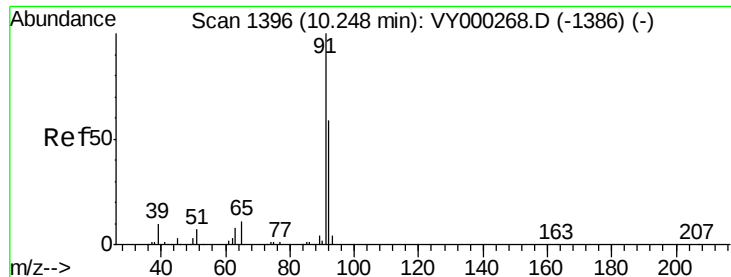
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#50
Toluene-d8
Concen: 48.572 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000282.D
Acq: 11 Oct 2019 19:44

Tgt Ion: 98 Resp: 452843
Ion Ratio Lower Upper
98 100
100 66.0 52.8 79.2





#52

Toluene

Concen: 4.347 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000282.D

Acq: 11 Oct 2019 19:44

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-209

Tot Ion: 92 Resp: 31377

Ion Ratio Lower Upper

92 100

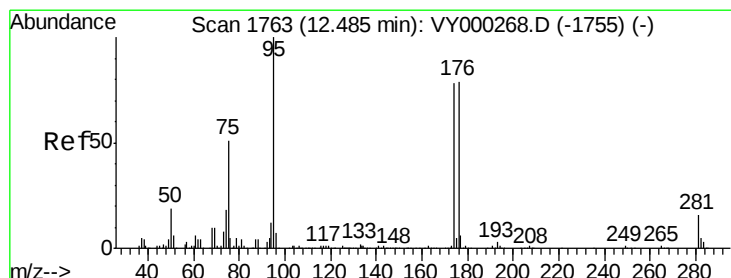
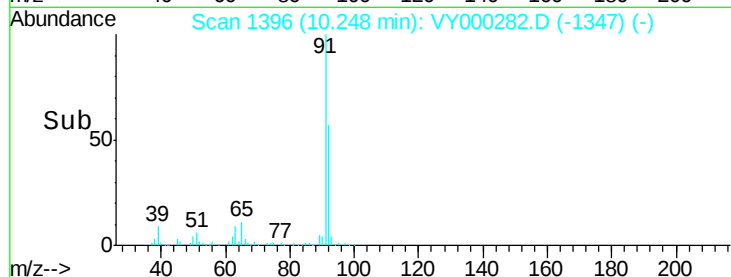
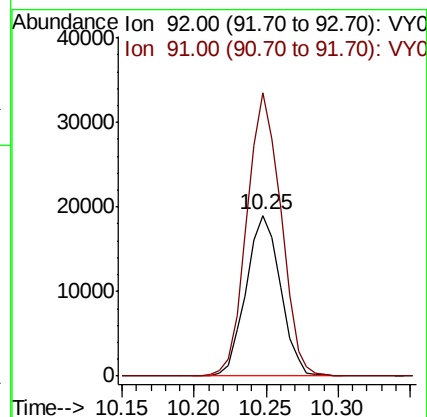
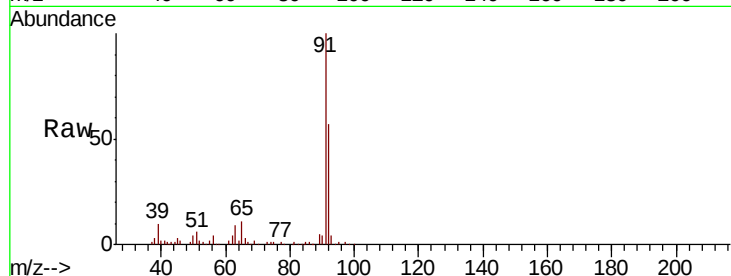
91 174.6 136.6 205.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 41.511 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000282.D

Acq: 11 Oct 2019 19:44

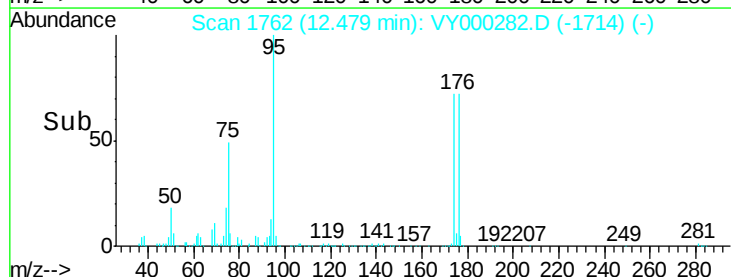
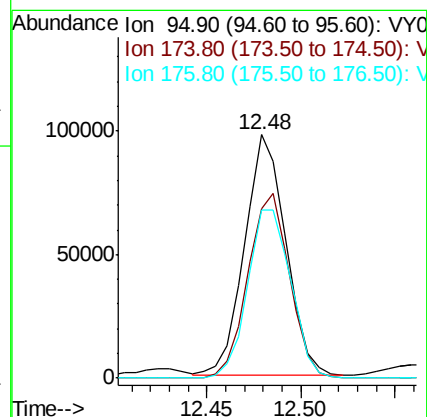
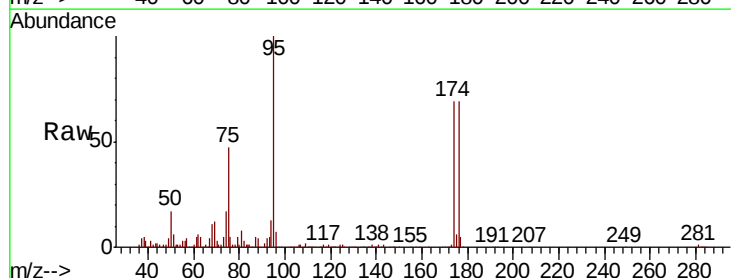
Tgt Ion: 95 Resp: 147030

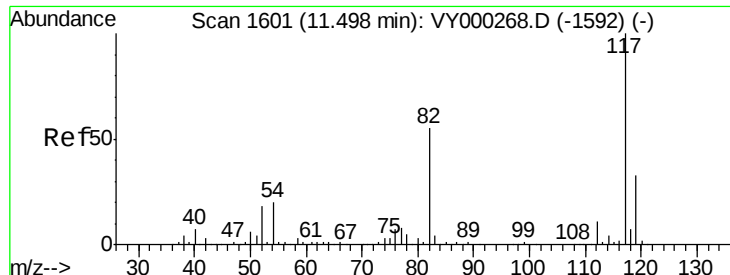
Ion Ratio Lower Upper

95 100

174 77.6 0.0 159.6

176 73.9 0.0 153.8





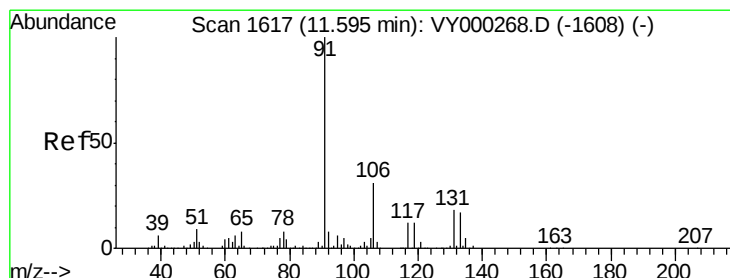
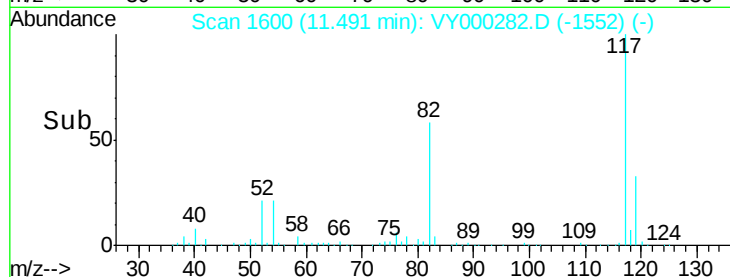
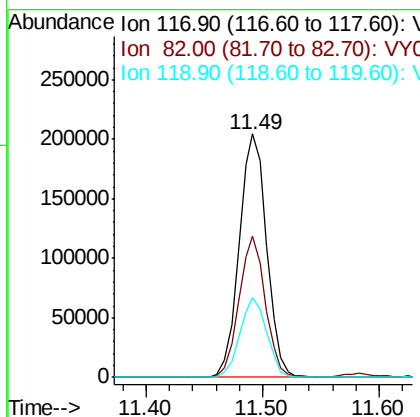
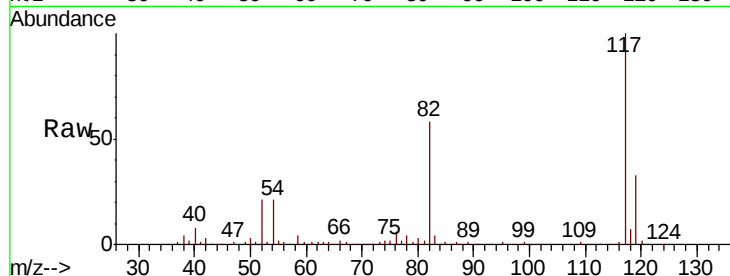
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000282.D
Acq: 11 Oct 2019 19:44

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-209

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	43.7	65.5
119	33.0	26.6	39.8

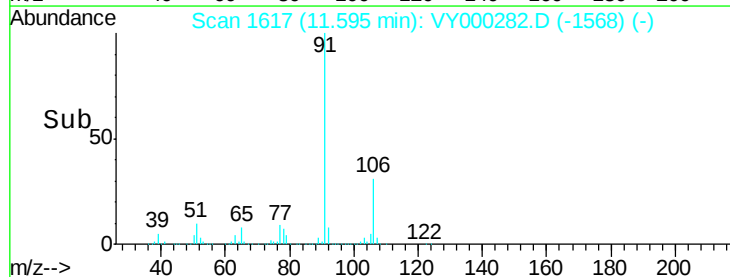
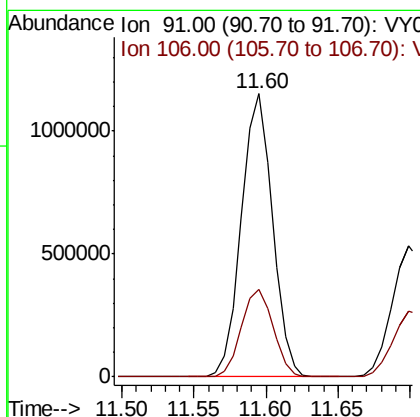
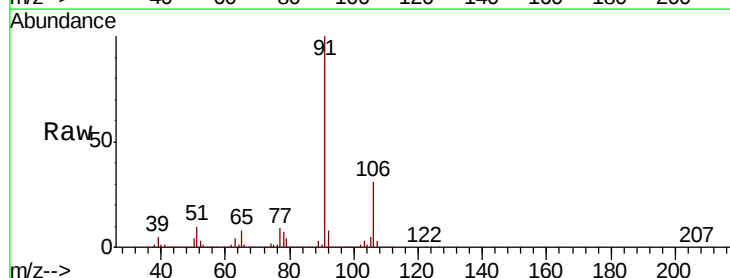
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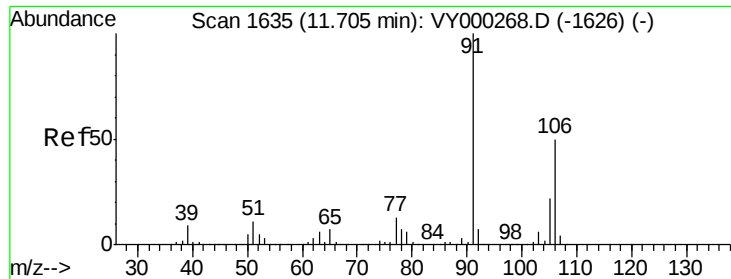
MMDadoda
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#67
Ethyl Benzene
Concen: 132.341 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000282.D
Acq: 11 Oct 2019 19:44

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.0	37.6





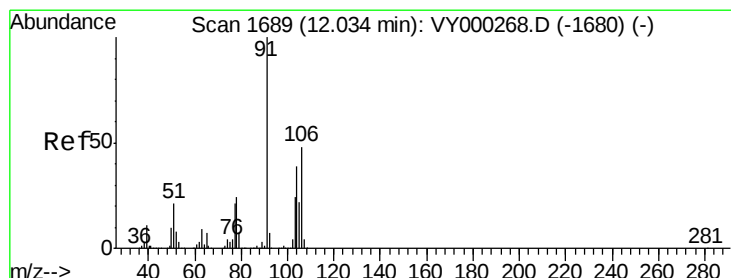
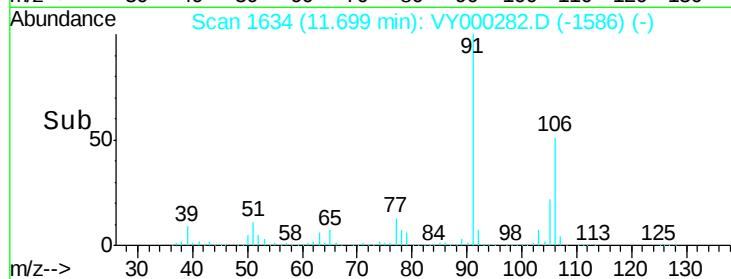
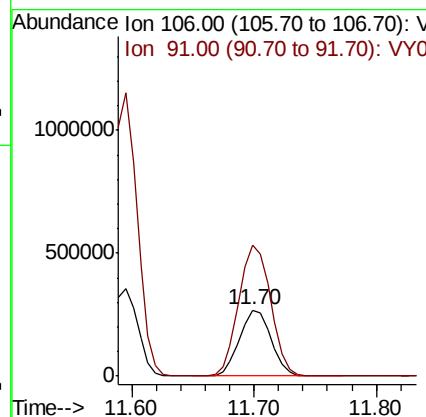
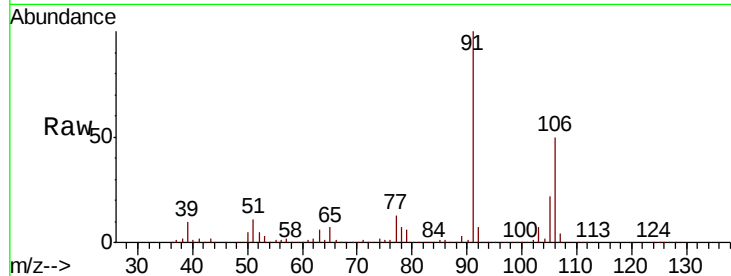
#68
m/p-Xvlenes
Concen: 96.877 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VY000282.D
Acq: 11 Oct 2019 19:44

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-209

Tot Ion:106 Resp: 484615
Ion Ratio Lower Upper
106 100
91 199.4 157.5 236.3

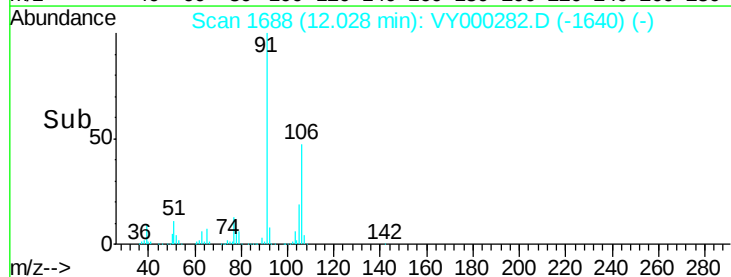
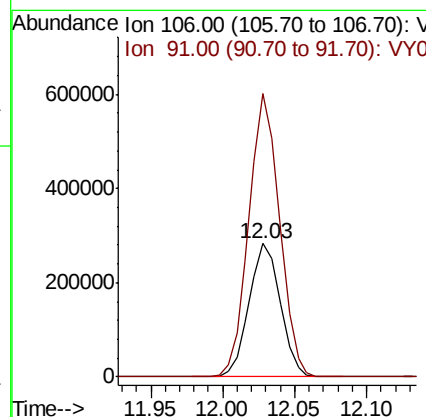
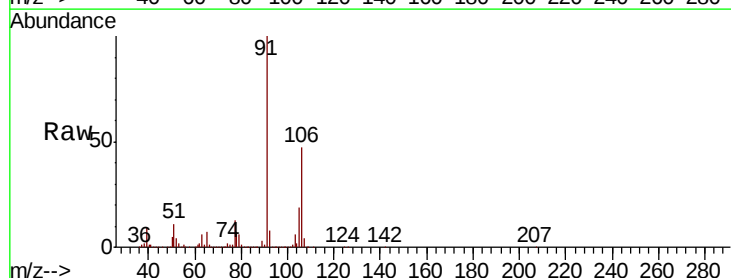
Manual Integrations
APPROVED

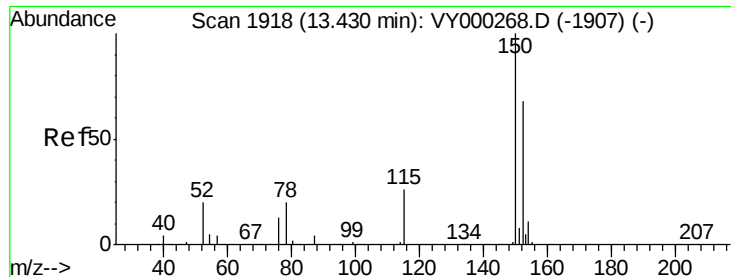
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#69
o-Xylene
Concen: 88.828 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000282.D
Acq: 11 Oct 2019 19:44

Tgt Ion:106 Resp: 423896
Ion Ratio Lower Upper
106 100
91 209.4 104.7 313.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY000282.D

Acq: 11 Oct 2019 19:44

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-209

Tot Ion:152 Resp: 132259

Ion Ratio Lower Upper

152 100

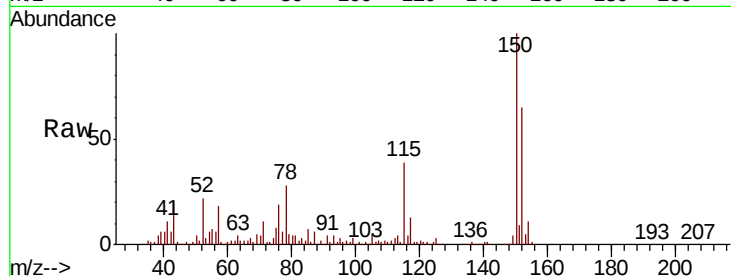
115 0.0 29.3 88.0#

150 153.3 0.0 348.4

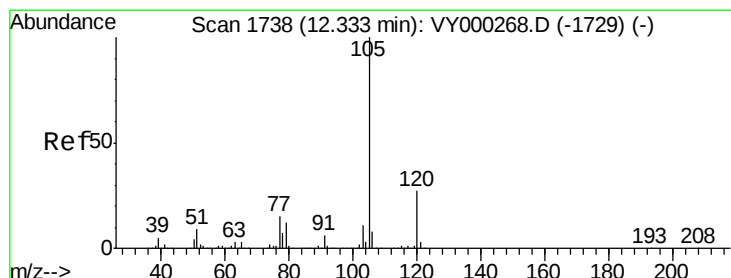
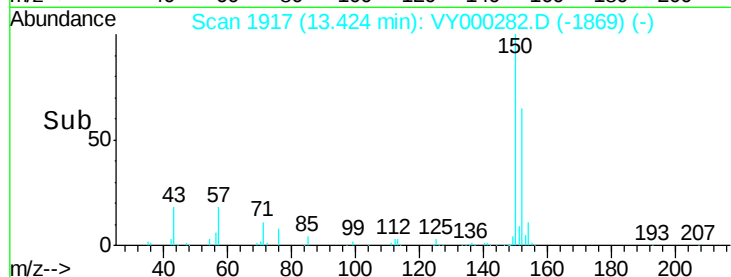
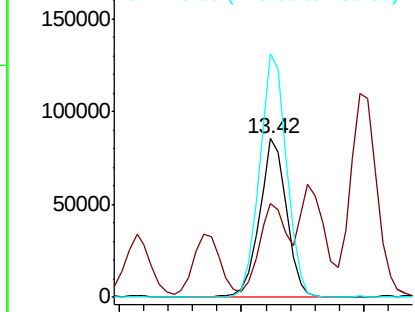
Manual Integrations
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 99.326 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VY000282.D

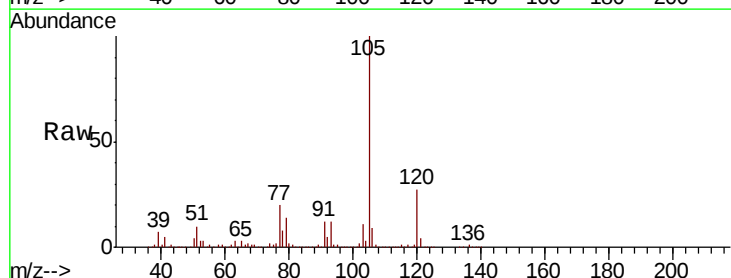
Acq: 11 Oct 2019 19:44

Tgt Ion:105 Resp: 1024324

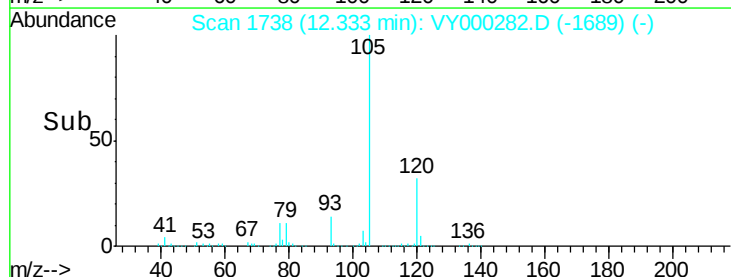
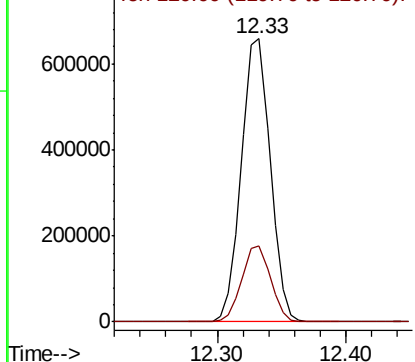
Ion Ratio Lower Upper

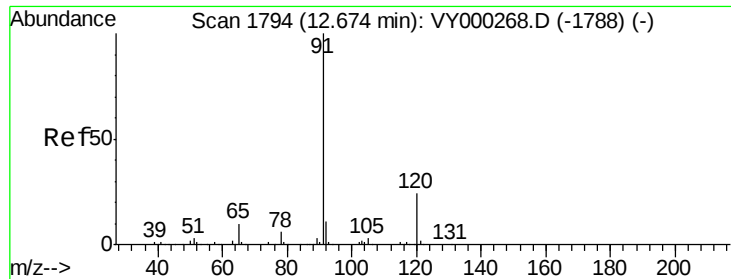
105 100

120 26.8 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 39.657 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VY000282.D

Acq: 11 Oct 2019 19:44

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-209

Tot Ion: 91 Resp: 491033

Ion Ratio Lower Upper

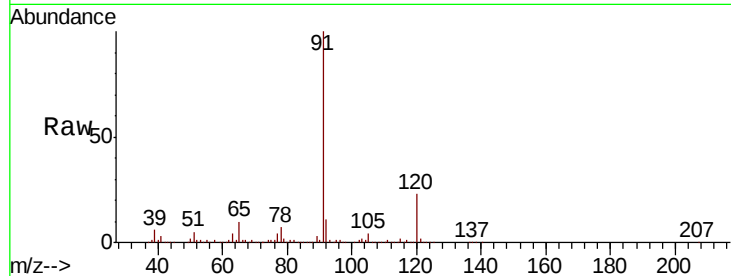
91 100

120 23.1 11.5 34.5

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VY000268.D (-1788) (-)

Ion 120.00 (119.70 to 120.70): VY000268.D (-1788) (-)

12.67

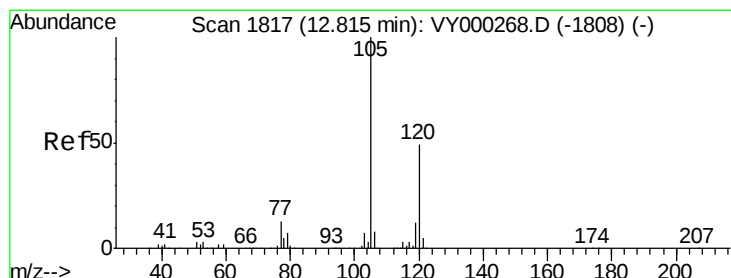
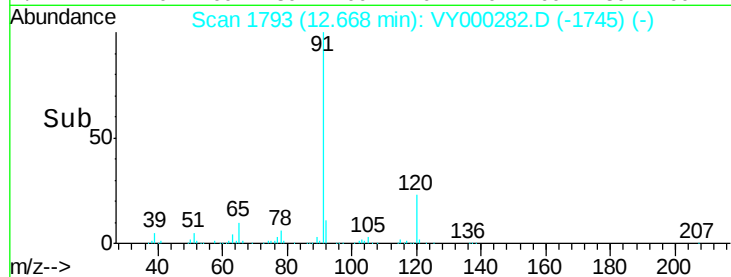
300000

200000

100000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 175.843 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000282.D

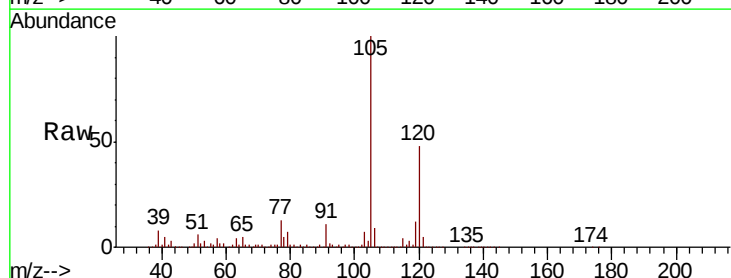
Acq: 11 Oct 2019 19:44

Tgt Ion: 105 Resp: 1520600

Ion Ratio Lower Upper

105 100

120 48.9 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000268.D (-1808) (-)

Ion 120.00 (119.70 to 120.70): VY000268.D (-1808) (-)

12.81

1200000

1000000

800000

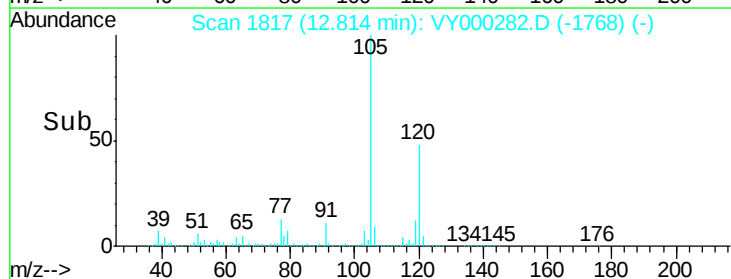
600000

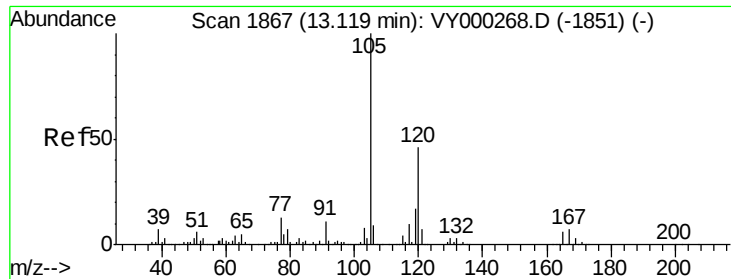
400000

200000

0

Time--> 12.80 12.85





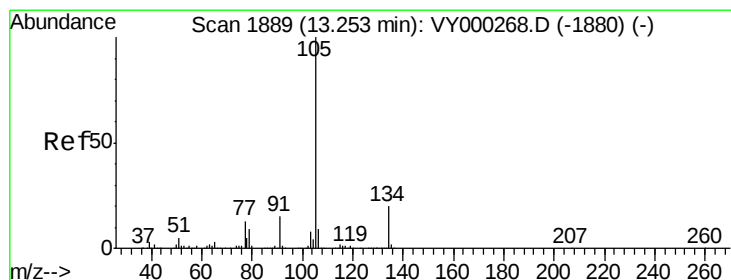
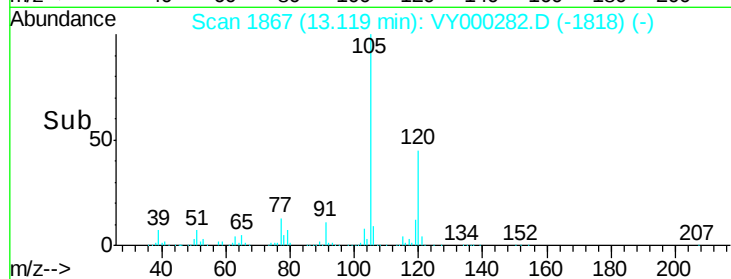
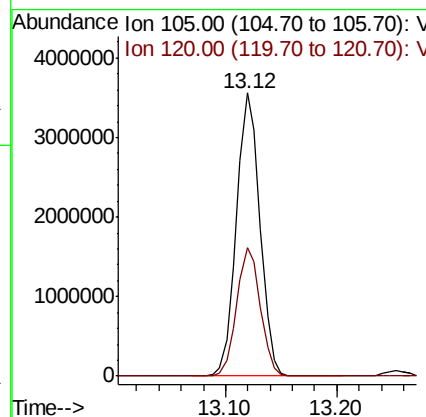
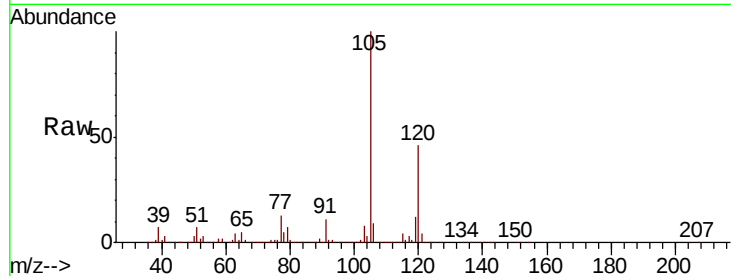
#84
1,2,4-Trimethylbenzene
Concen: 606.786 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY000282.D
Acq: 11 Oct 2019 19:44

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-209

Tot Ion:105 Resp: 5178737
Ion Ratio Lower Upper
105 100
120 45.8 22.9 68.8

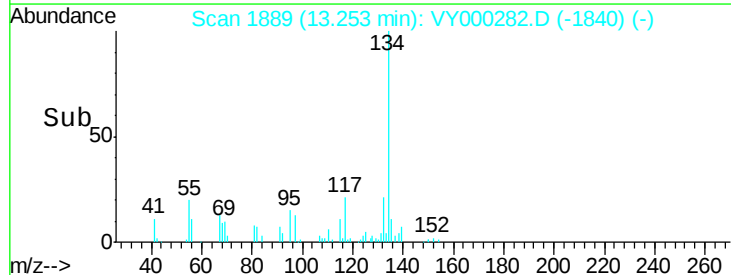
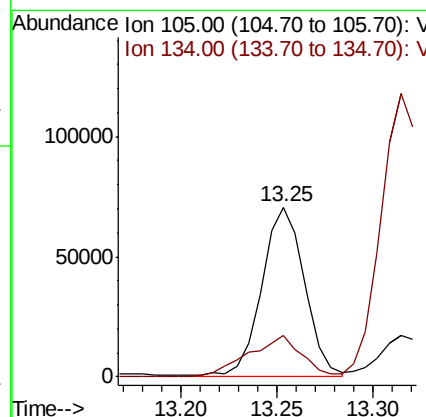
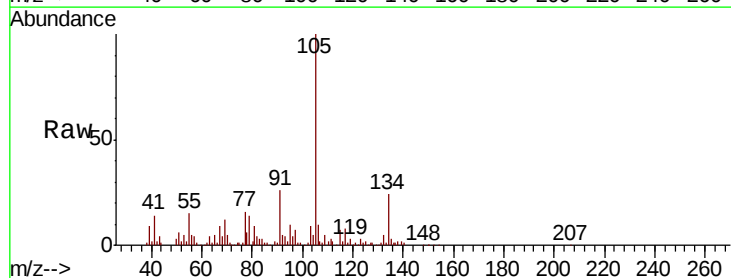
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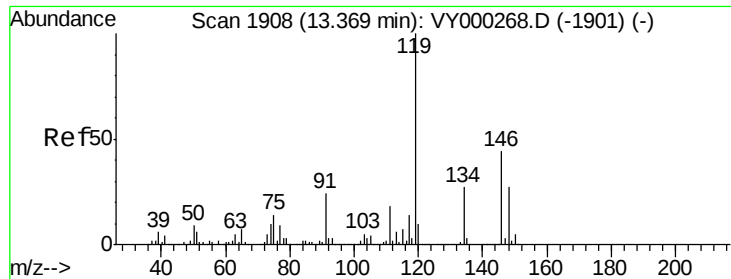
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#85
sec-Butylbenzene
Concen: 10.334 ug/l m
RT: 13.25 min Scan# 1889
Delta R.T. -0.00 min
Lab File: VY000282.D
Acq: 11 Oct 2019 19:44

Tgt Ion:105 Resp: 109472
Ion Ratio Lower Upper
105 100
134 0.0 10.1 30.1#





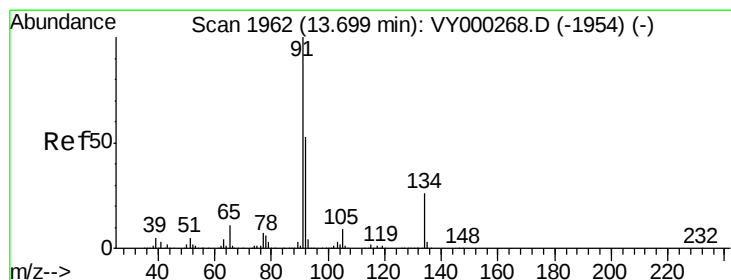
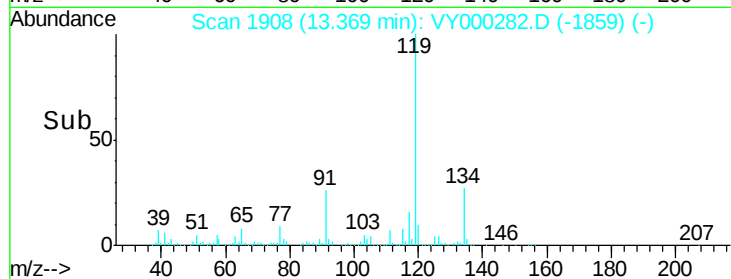
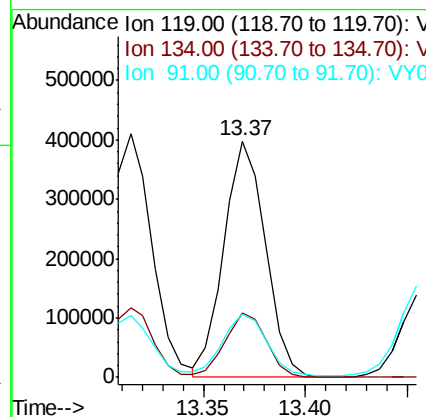
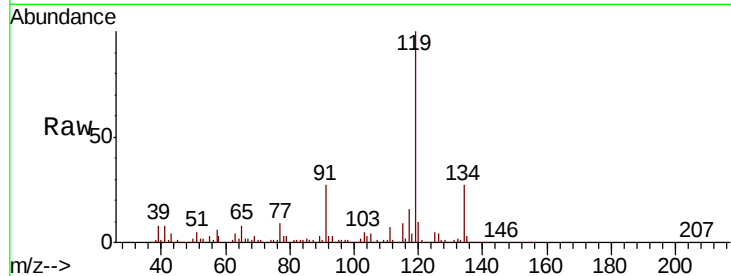
#86
p-Isopropyltoluene
Concen: 60.580 ug/l
RT: 13.37 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VY000282.D
Acq: 11 Oct 2019 19:44

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-209

Tot Ion	Ratio	Resp	Lower	Upper
119	100	559495		
134	27.2		13.6	40.8
91	27.3		12.0	36.1

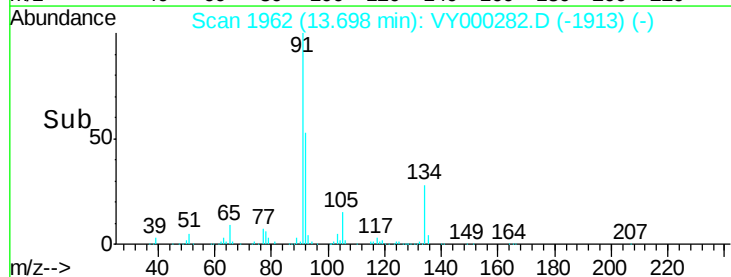
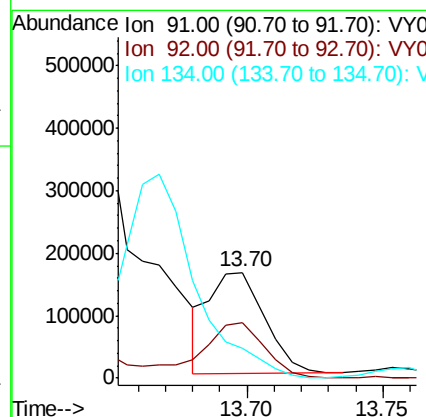
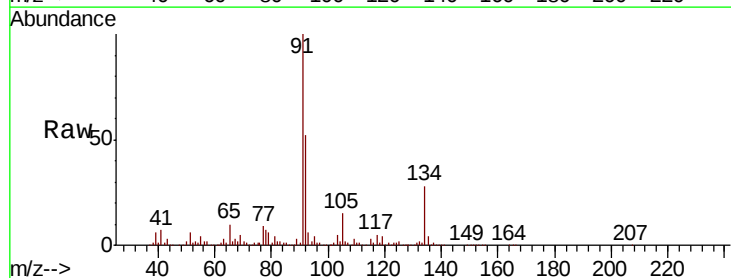
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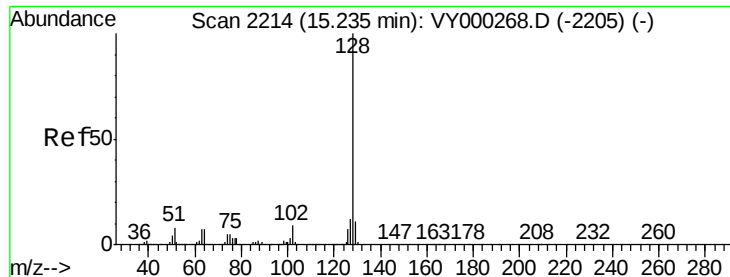
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#89
n-Butylbenzene
Concen: 24.861 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY000282.D
Acq: 11 Oct 2019 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	226902		
92	59.5		26.7	80.1
134	0.0		13.0	38.9#





#95
Naphthalene
Concen: 4878.221 ug/l m
RT: 15.23 min Scan# 2213
Delta R.T. -0.01 min
Lab File: VY000282.D
Acq: 11 Oct 2019 19:44

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-209

Tot Ion:128 Resp:31013634
Ion Ratio Lower Upper
128 100
127 0.0 9.6 14.4#
129 0.0 8.7 13.1#

Manual Integrations
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