

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052319\
 Data File : VL033787.D
 Acq On : 24 May 2019 00:03
 Operator : SY/AP
 Sample : K2929-14DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3007-25DL

Manual Integrations
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 5/28/2019 2:53:49 AM

Quant Time: May 24 07:15:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1077944	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2783173	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2783033	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	2178108	9.65	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	257643	4.906	ppbv	92
13) Ethanol	3.65	45	70411	4.148	ppbv	99
15) Acetone	3.89	43	1324850	8.858	ppbv	97
17) tert-Butyl alcohol	4.38	59	20088m	0.166	ppbv	
20) Methylene Chloride	4.40	84	39818	0.691	ppbv	94
26) Hexane	5.77	57	38131	0.338	ppbv #	52
34) 2-Butanone	5.33	43	130323	0.755	ppbv	100
53) Toluene	9.94	91	304555	1.115	ppbv	98
58) Ethyl Benzene	12.86	91	21680	0.059	ppbv	99
59) m/p-Xylene	13.11	91	64120m	0.199	ppbv	

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

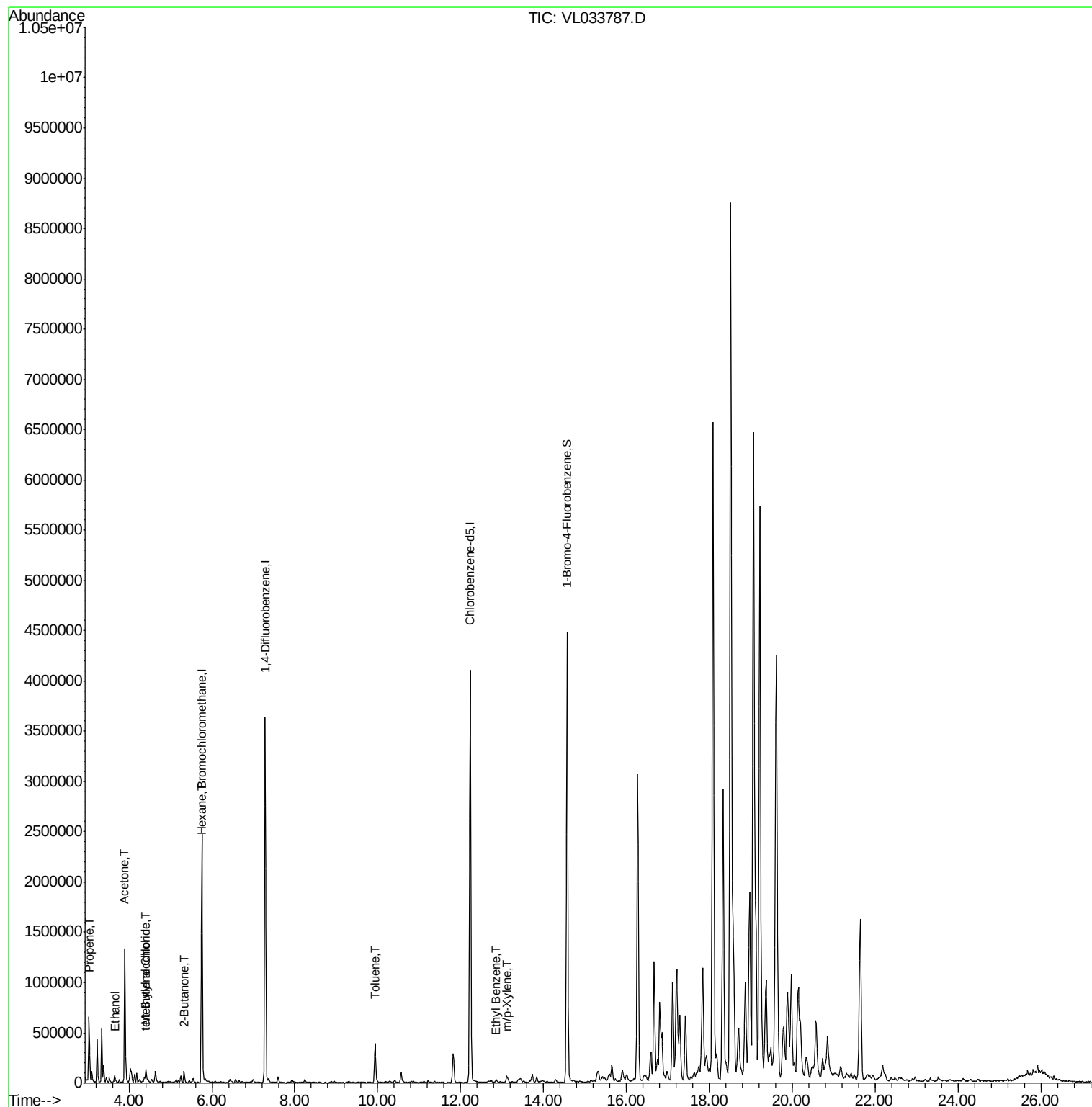
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052319\
Data File : VL033787.D
Acq On : 24 May 2019 00:03
Operator : SY/AP
Sample : K2929-14DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

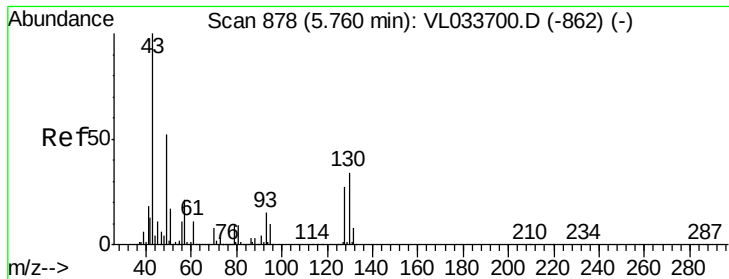
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3007-25DL

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5/28/2019 2:53:49 AM

Quant Time: May 24 07:15:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

Lab File: VL033787.D

Acq: 24 May 2019 00:03

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3007-25DL

Tot Ion: 49 Resp: 1077944

Ion Ratio Lower Upper

49 100

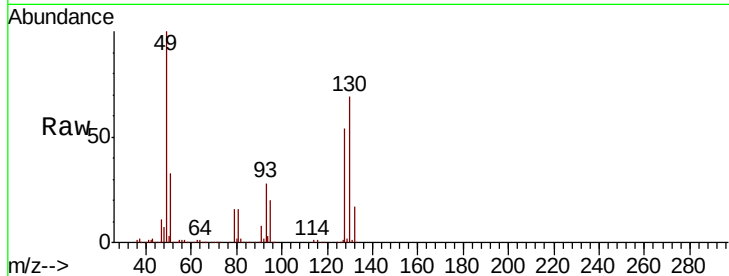
128 52.9 25.2 75.6

130 67.8 32.5 97.5

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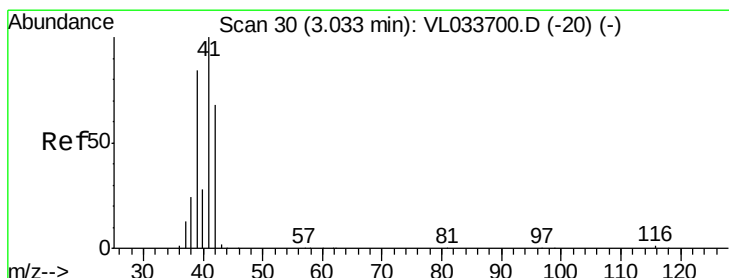
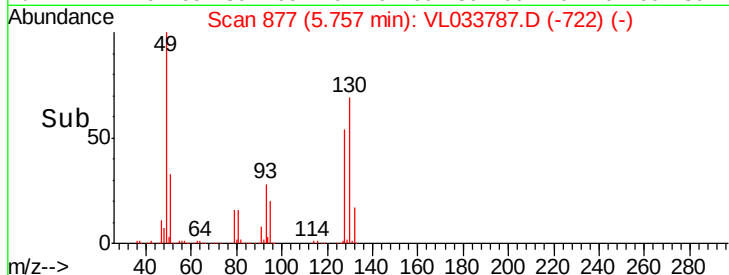
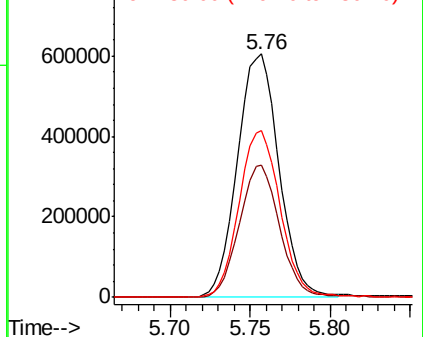
5/28/2019 2:53:49 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 4.906 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033787.D

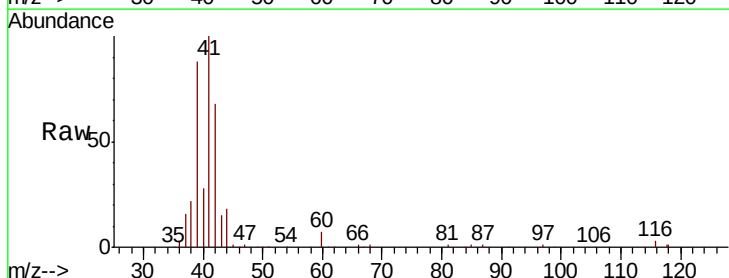
Acq: 24 May 2019 00:03

Tgt Ion: 41 Resp: 257643

Ion Ratio Lower Upper

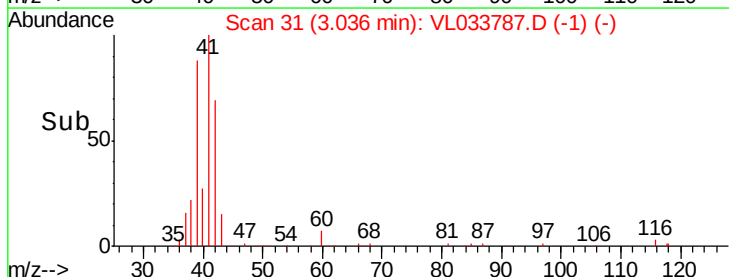
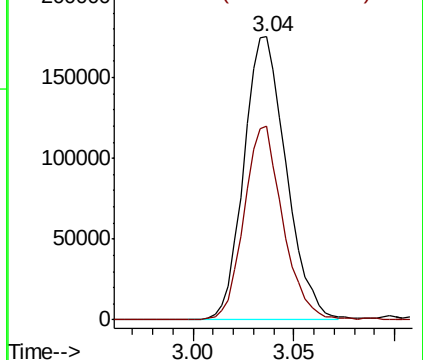
41 100

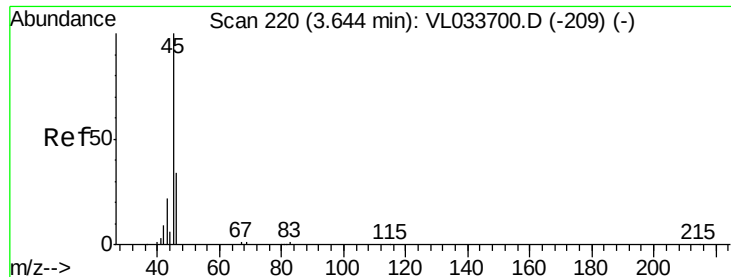
42 63.5 56.1 84.1



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





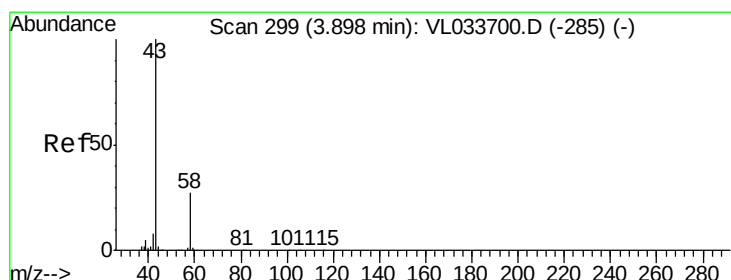
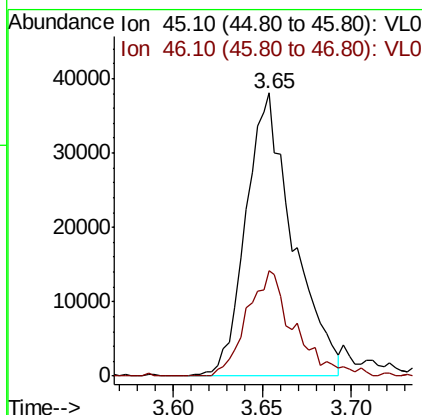
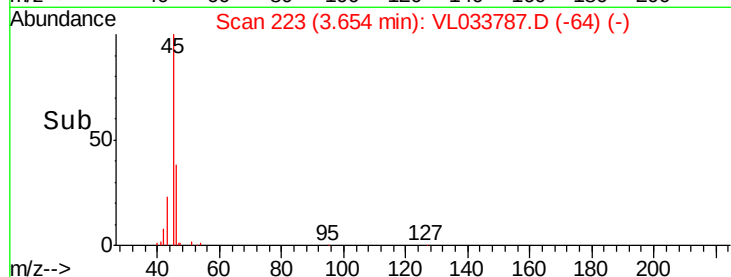
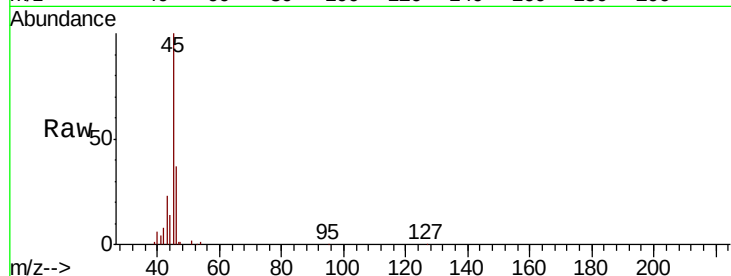
#13
Ethanol
Concen: 4.148 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.01 min
Lab File: VL033787.D
Acq: 24 May 2019 00:03

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3007-25DL

Tot Ion	45	Resp	70411
Ion Ratio	100	Lower	Upper
46	37.4	14.8	59.0

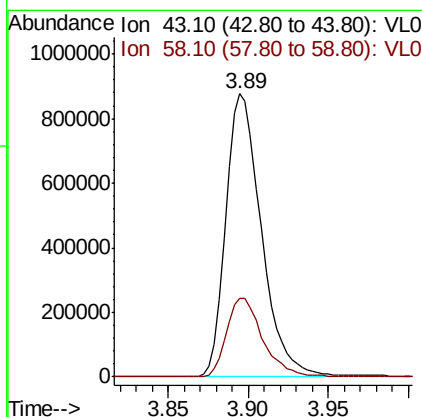
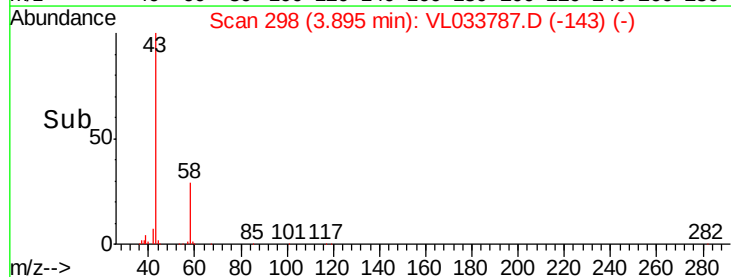
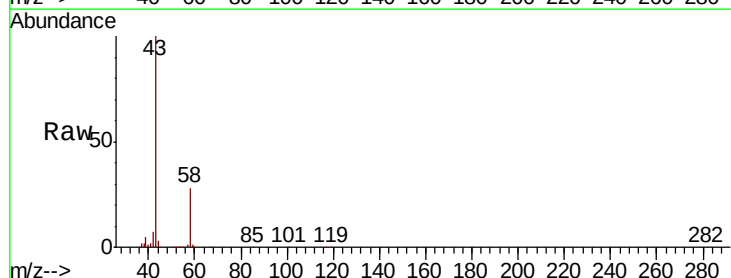
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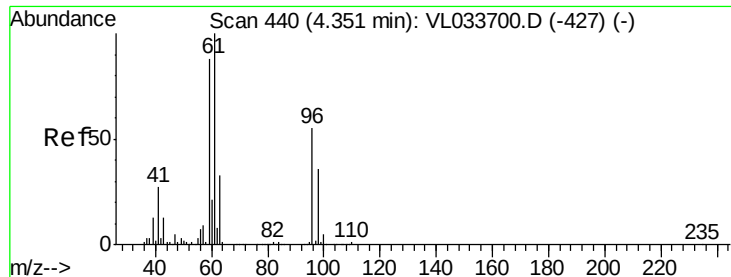
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#15
Acetone
Concen: 8.858 ppbv
RT: 3.89 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033787.D
Acq: 24 May 2019 00:03

Tgt Ion	43	Resp	1324850
Ion Ratio	100	Lower	Upper
58	28.3	21.3	31.9





#17

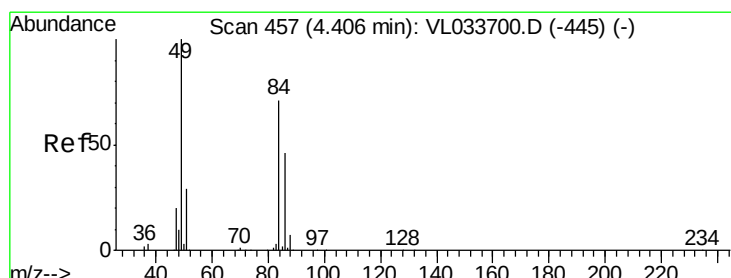
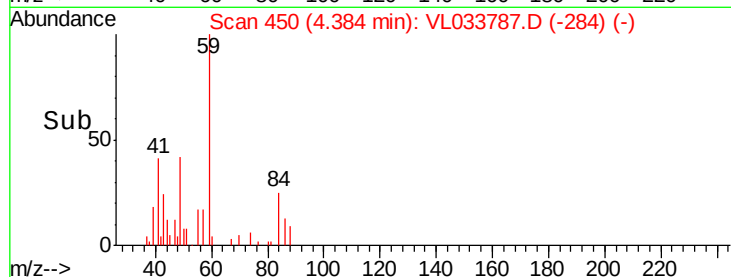
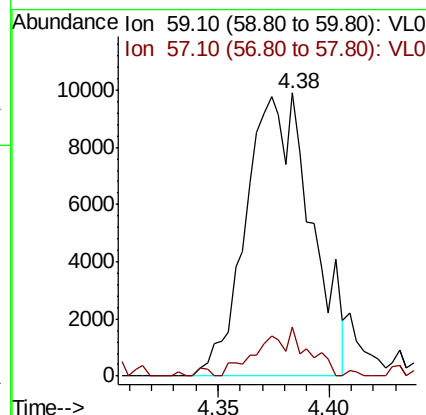
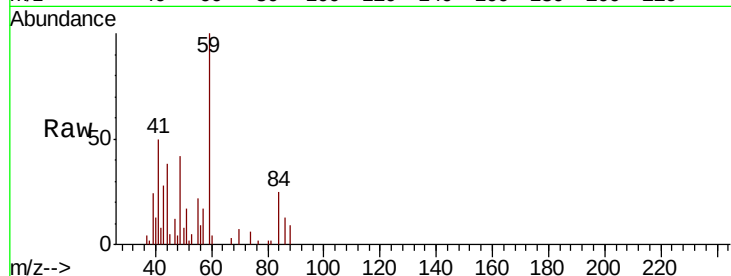
tert-Butyl alcohol
 Concen: 0.166 ppbv
 RT: 4.38 min Scan# 450
 Delta R.T. 0.03 min
 Lab File: VL033787.D
 Acq: 24 May 2019 00:03

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3007-25DL

Tot Ion: 59 Resp: 20088
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

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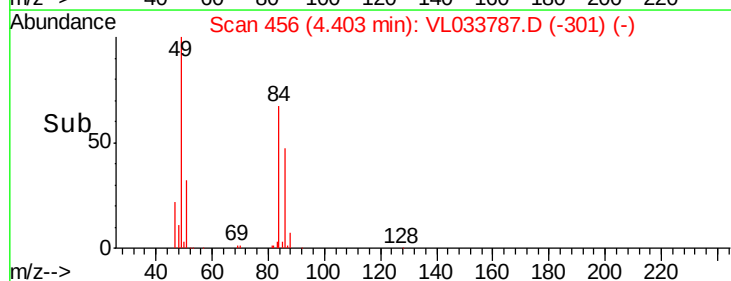
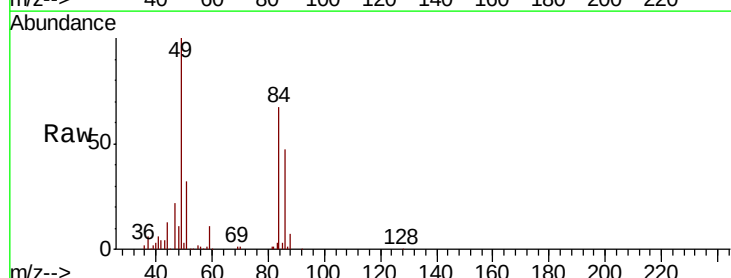
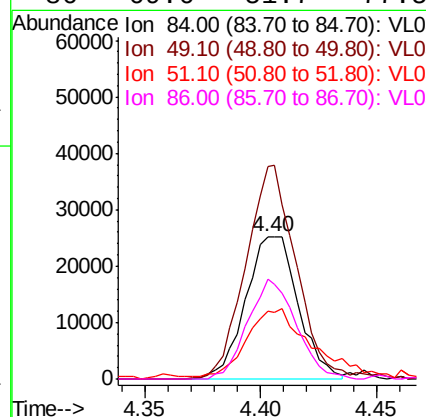
MMDadoda
 5/28/2019 2:53:49 AM

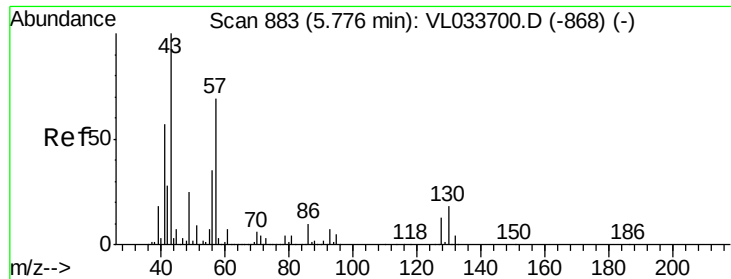


#20

Methylene Chloride
 Concen: 0.691 ppbv
 RT: 4.40 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: VL033787.D
 Acq: 24 May 2019 00:03

Tgt Ion: 84 Resp: 39818
 Ion Ratio Lower Upper
 84 100
 49 147.6 112.8 169.2
 51 44.7 33.4 50.0
 86 69.6 51.7 77.5





#26

Hexane

Concen: 0.338 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.00 min

Lab File: VL033787.D

Acq: 24 May 2019 00:03

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3007-25DL

Tot Ion: 57 Resp: 38131

Ion Ratio Lower Upper

57 100

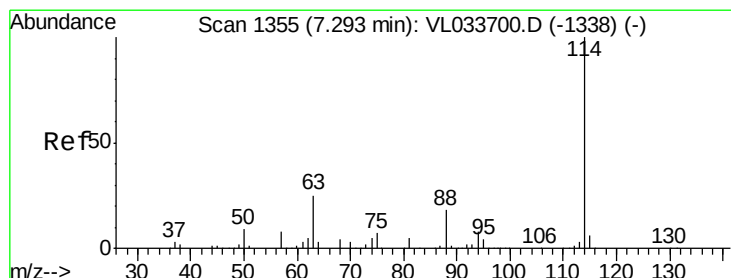
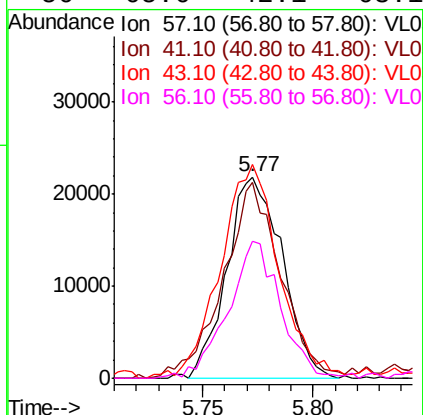
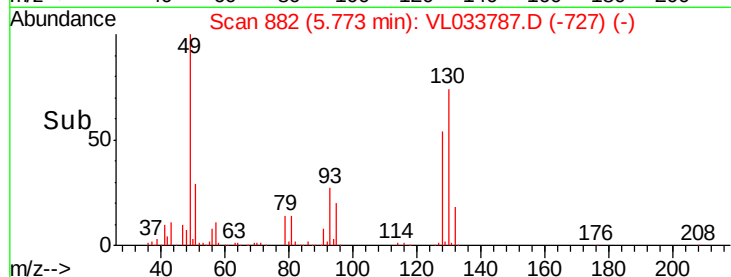
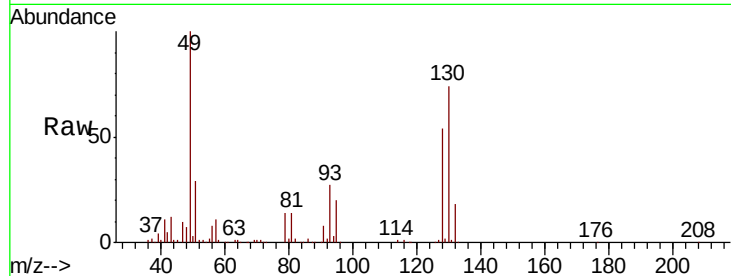
41 101.1 69.8 104.6

43 117.3 181.8 272.6#

56 65.6 42.1 63.1#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.01 min

Lab File: VL033787.D

Acq: 24 May 2019 00:03

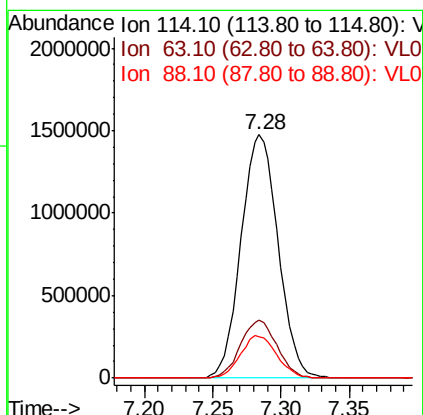
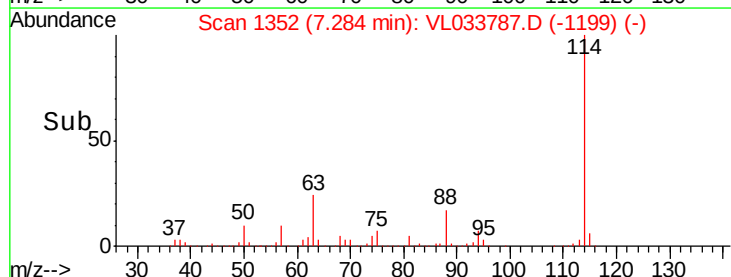
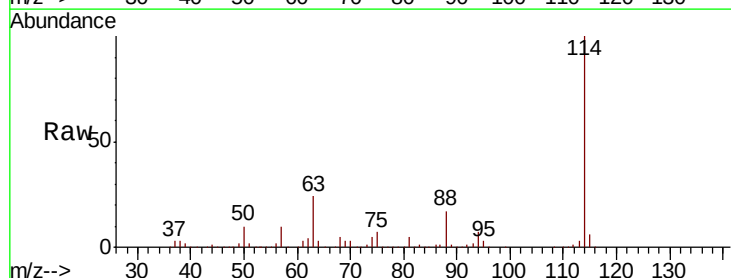
Tgt Ion: 114 Resp: 2783173

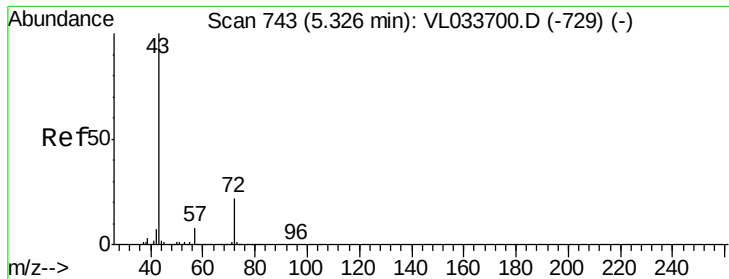
Ion Ratio Lower Upper

114 100

63 23.5 20.9 31.3

88 17.2 14.3 21.5





#34

2-Butanone

Concen: 0.755 ppbv

RT: 5.33 min Scan# 744

Delta R.T. 0.00 min

Lab File: VL033787.D

Acq: 24 May 2019 00:03

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3007-25DL

Tot Ion: 43 Resp: 130323

Ion Ratio Lower Upper

43 100

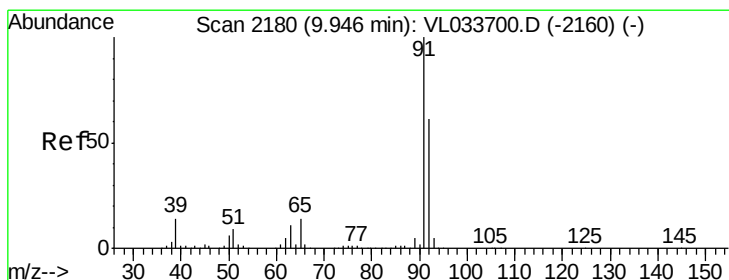
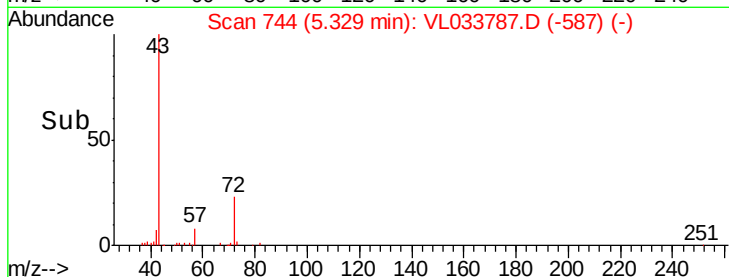
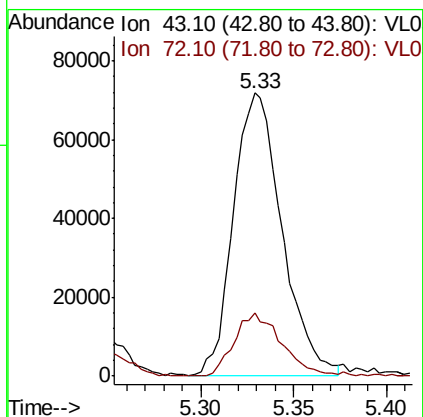
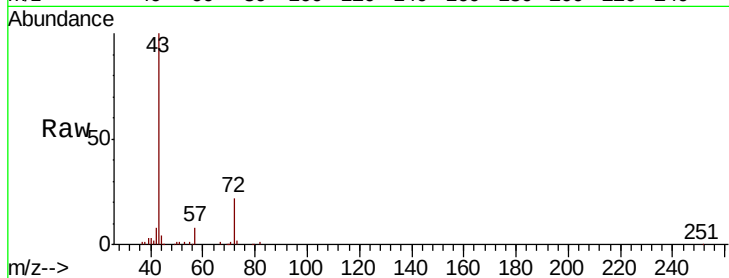
72 22.4 17.8 26.6

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#53

Toluene

Concen: 1.115 ppbv

RT: 9.94 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VL033787.D

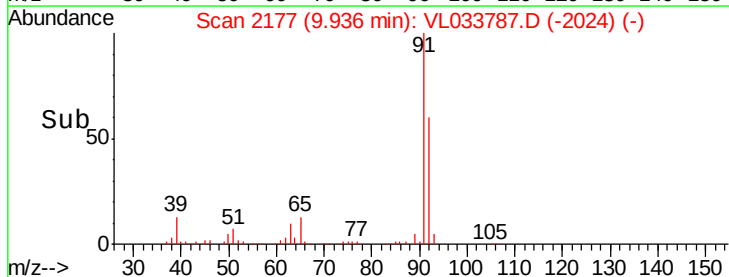
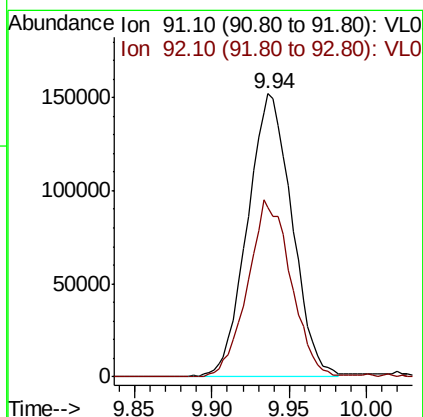
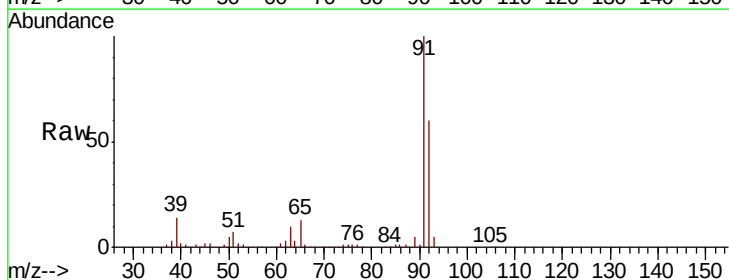
Acq: 24 May 2019 00:03

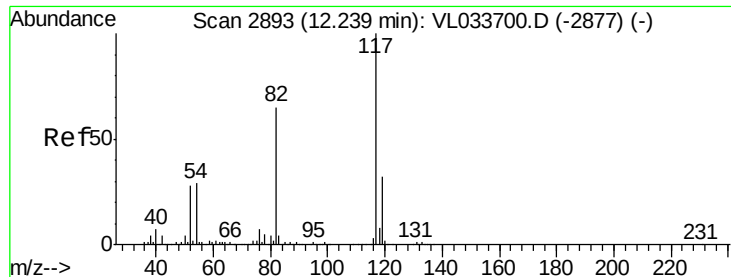
Tgt Ion: 91 Resp: 304555

Ion Ratio Lower Upper

91 100

92 60.9 47.6 71.4





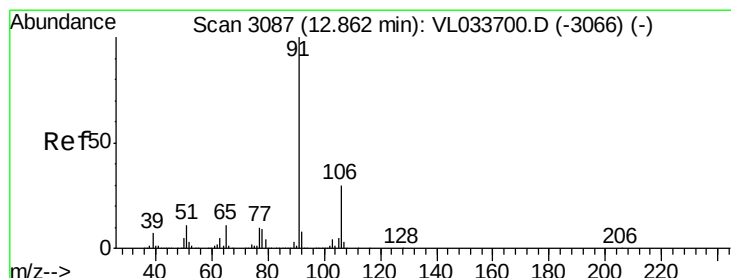
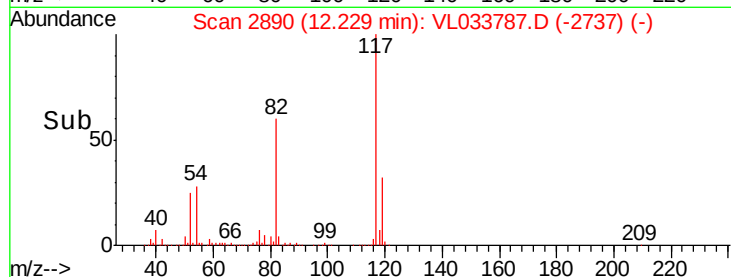
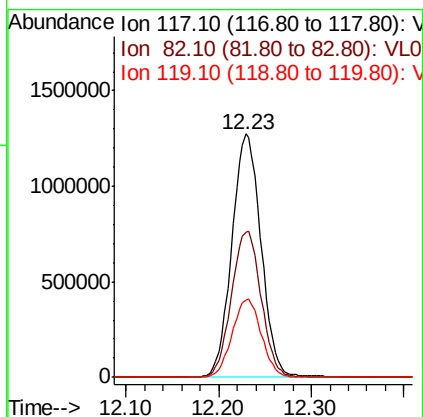
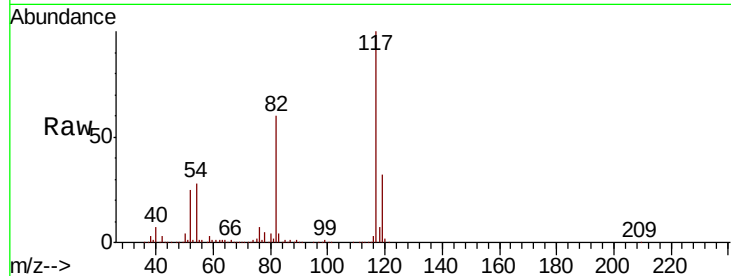
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033787.D
Acq: 24 May 2019 00:03

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3007-25DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.6	49.4	74.0
119	32.4	24.9	37.3

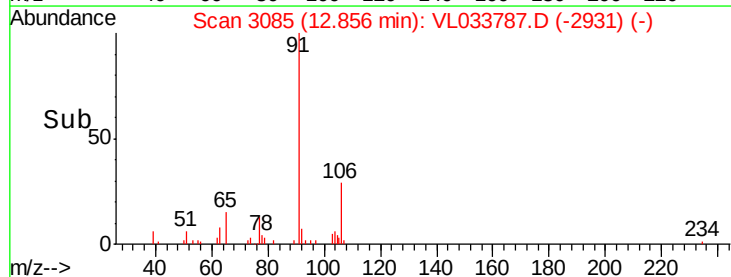
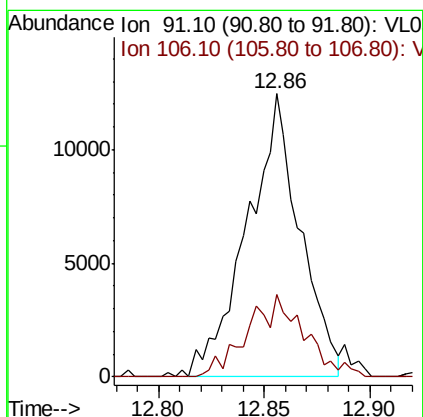
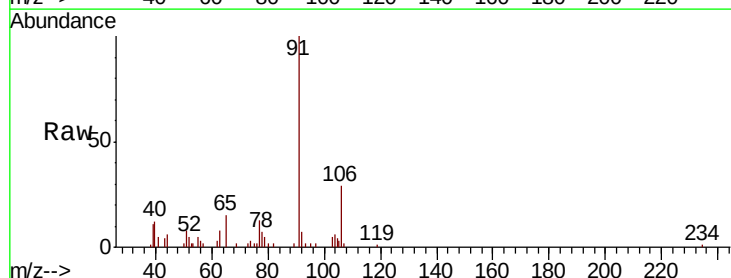
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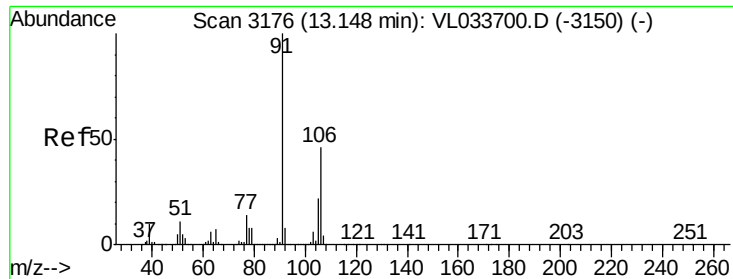
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#58
Ethyl Benzene
Concen: 0.059 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033787.D
Acq: 24 May 2019 00:03

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.9	35.9





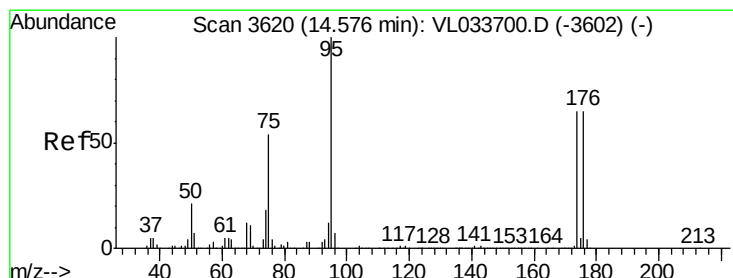
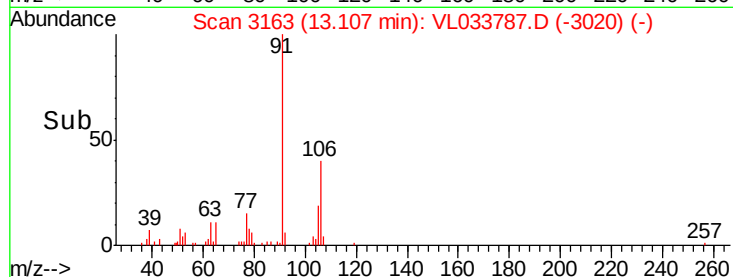
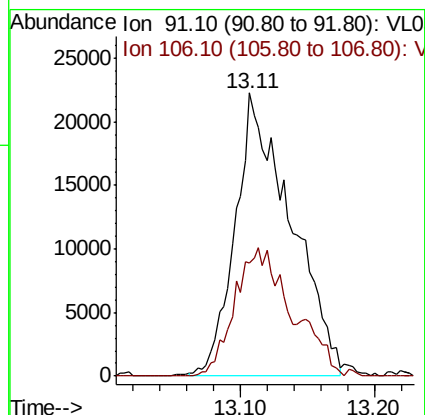
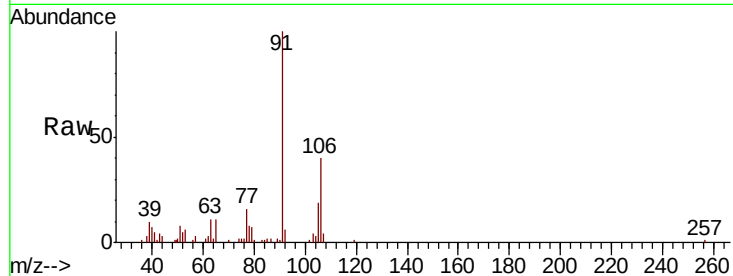
#59
m/p-Xylene
Concen: 0.199 ppbv m
RT: 13.11 min Scan# 3163
Delta R.T. -0.04 min
Lab File: VL033787.D
Acq: 24 May 2019 00:03

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3007-25DL

Tot Ion: 91 Resp: 64120
Ion Ratio Lower Upper
91 100
106 0.0 35.8 53.6#

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.654 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033787.D
Acq: 24 May 2019 00:03

Tgt Ion: 95 Resp: 2178108
Ion Ratio Lower Upper
95 100
174 70.0 53.9 80.9
175 5.2 3.8 5.8

