

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051719\
 Data File : VL033711.D
 Acq On : 17 May 2019 11:21
 Operator : SY/AP
 Sample : K2893-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-01DL

Manual Integrations
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 5/20/2019 12:05:43 PM

Quant Time: May 18 00:05:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 18 00:05:49 2019
 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	1151920	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2748714	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2858578	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2364208	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.05	41	1618984m	28.847	ppbv	
10) Heptane	8.25	43	111046	0.699	ppbv	100
13) Ethanol	3.65	45	96803	5.337	ppbv	98
15) Acetone	3.89	43	2394263	14.981	ppbv	95
20) Methylene Chloride	4.41	84	13582m	0.221	ppbv	
26) Hexane	5.78	57	243917	2.021	ppbv #	40
27) Carbon Disulfide	4.62	76	58362	0.352	ppbv	97
30) Cyclohexane	7.24	84	70085	0.691	ppbv	95
34) 2-Butanone	5.33	43	38330m	0.225	ppbv	
36) Benzene	7.00	78	125892	0.503	ppbv	97
53) Toluene	9.94	91	265525	0.985	ppbv	98
58) Ethyl Benzene	12.86	91	1053857	2.784	ppbv	100
59) m/p-Xylene	13.11	91	1469541	4.441	ppbv	99
60) o-Xylene	13.84	91	349932	1.049	ppbv	99

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

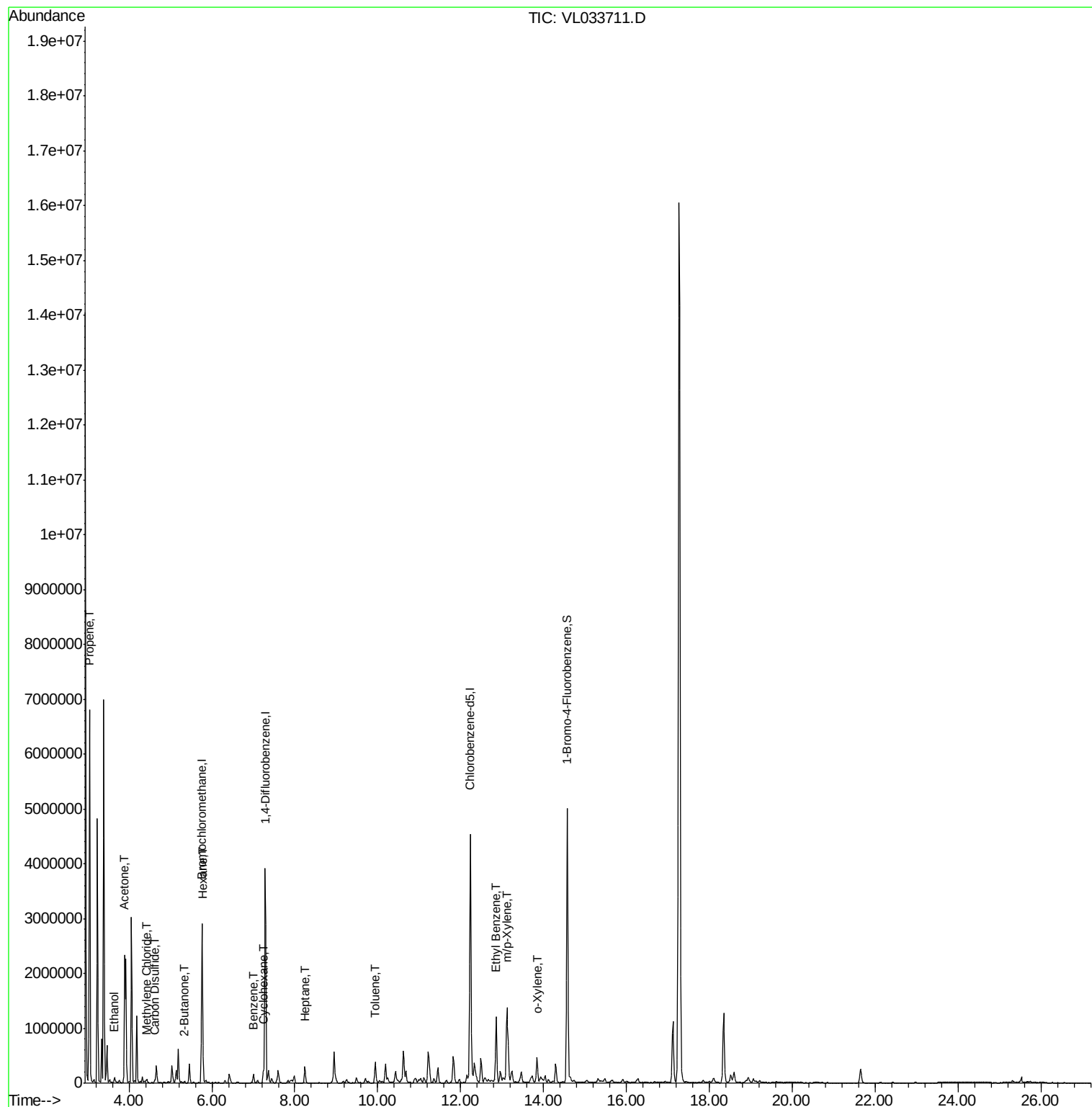
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051719\
Data File : VL033711.D
Acq On : 17 May 2019 11:21
Operator : SY/AP
Sample : K2893-01DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

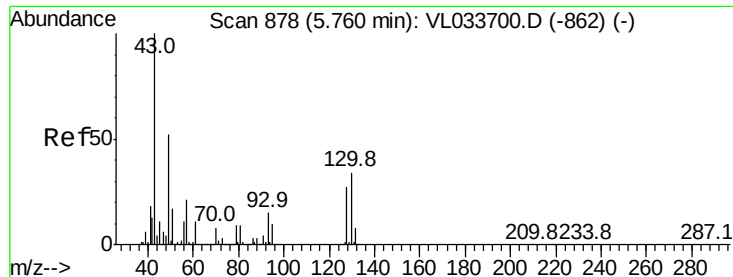
Instrument :
MSVOA_L
ClientSampleId :
SV-01DL

Manual Integrations
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5/20/2019 12:05:43 PM

Quant Time: May 18 00:05:49 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: VL033711.D

Acq: 17 May 2019 11:21

Instrument :

MSVOA_L

ClientSampled :

SV-01DL

Tot Ion: 49 Resp: 1151920

Ion Ratio Lower Upper

49 100

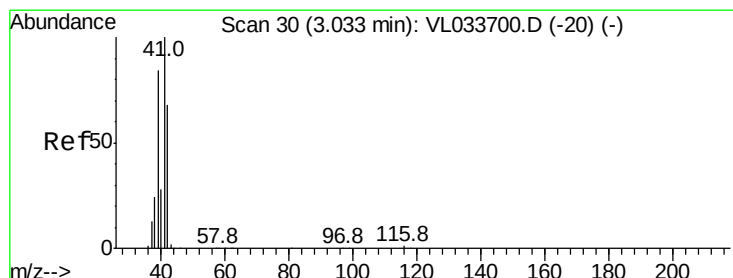
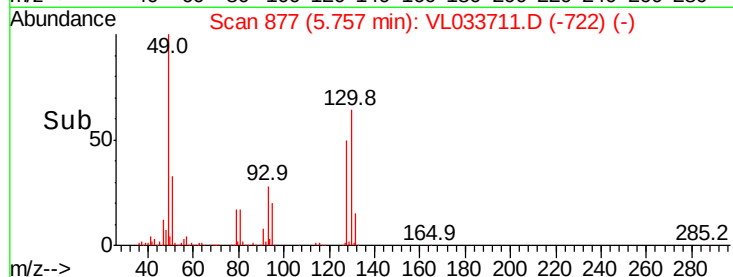
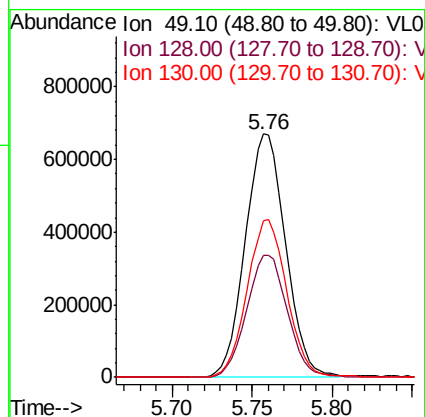
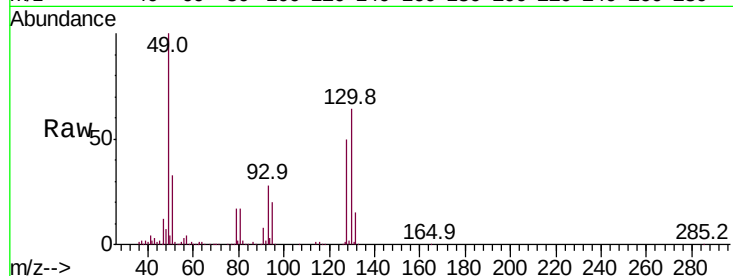
128 50.8 25.2 75.6

130 64.1 32.5 97.5

Manual Integrations
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#9

Propene

Concen: 28.847 ppbv m

RT: 3.05 min Scan# 35

Delta R.T. 0.02 min

Lab File: VL033711.D

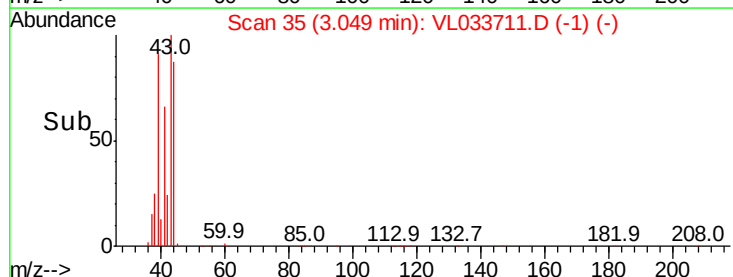
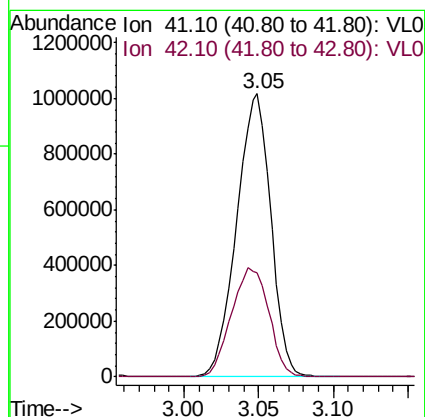
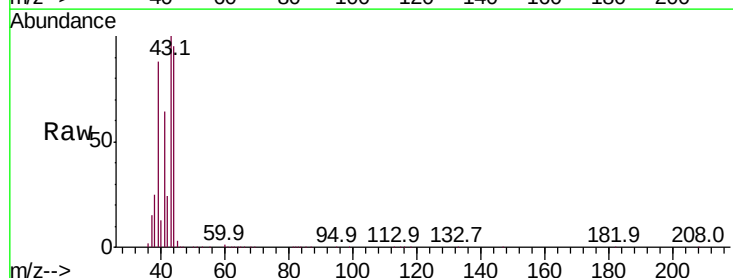
Acq: 17 May 2019 11:21

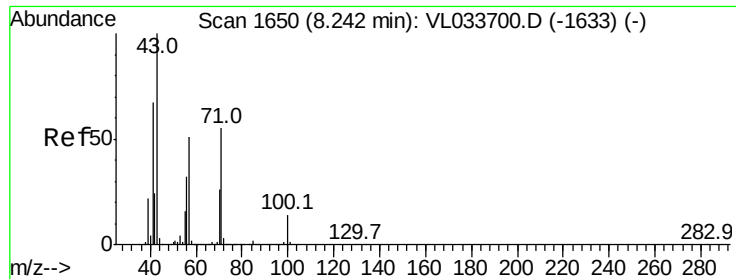
Tgt Ion: 41 Resp: 1618984

Ion Ratio Lower Upper

41 100

42 53.6 56.1 84.1#





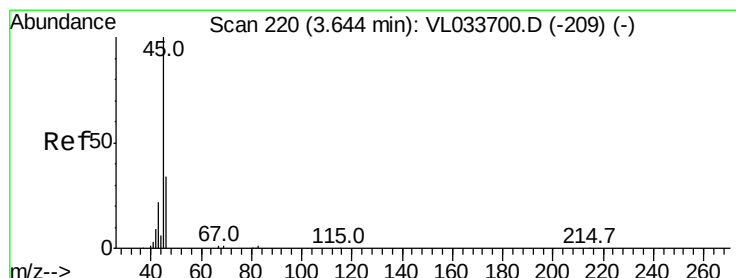
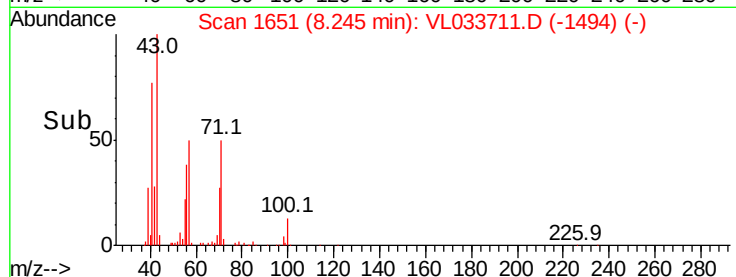
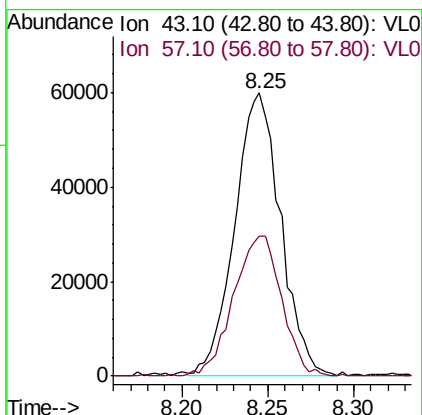
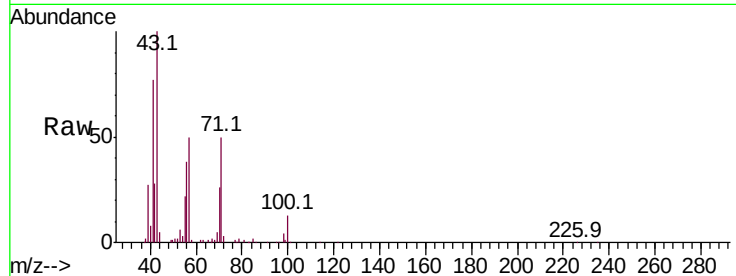
#10
Heptane
Concen: 0.699 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. 0.00 min
Lab File: VL033711.D
Acq: 17 May 2019 11:21

Instrument :
MSVOA_L
ClientSampled :
SV-01DL

Tot Ion: 43 Resp: 111046
Ion Ratio Lower Upper
43 100
57 52.0 41.4 62.0

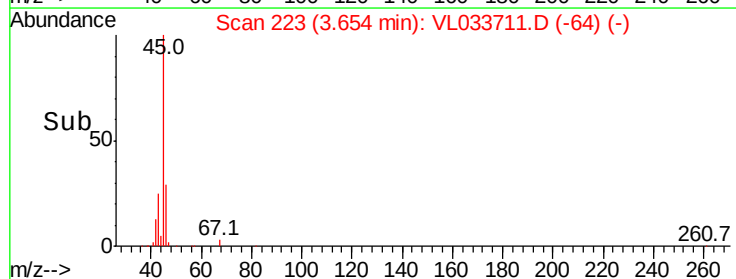
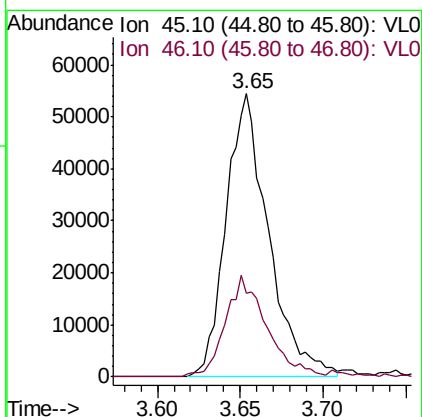
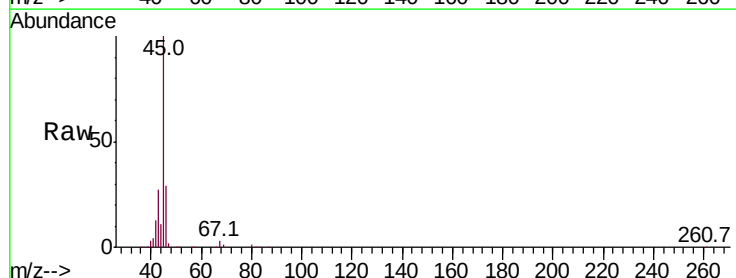
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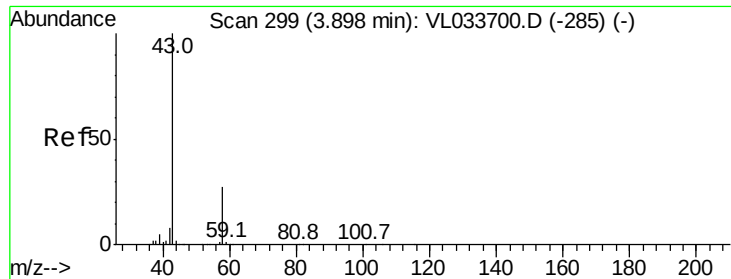
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#13
Ethanol
Concen: 5.337 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.01 min
Lab File: VL033711.D
Acq: 17 May 2019 11:21

Tgt Ion: 45 Resp: 96803
Ion Ratio Lower Upper
45 100
46 36.0 14.8 59.0





#15

Acetone

Concen: 14.981 ppbv

RT: 3.89 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL033711.D

Acq: 17 May 2019 11:21

Instrument :

MSVOA_L

ClientSampleId :

SV-01DL

Tot Ion: 43 Resp: 2394263

Ion Ratio Lower Upper

43 100

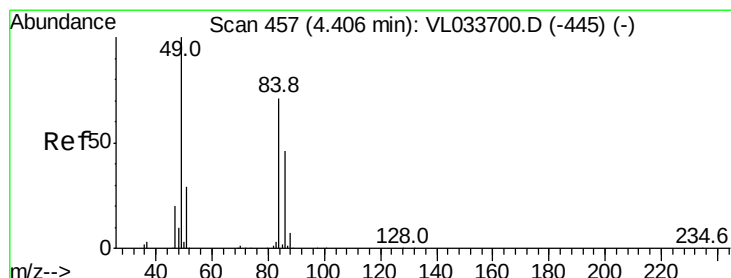
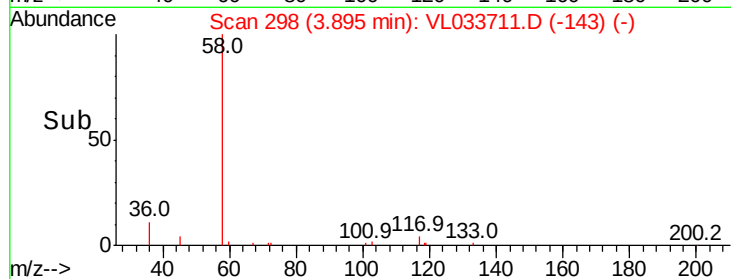
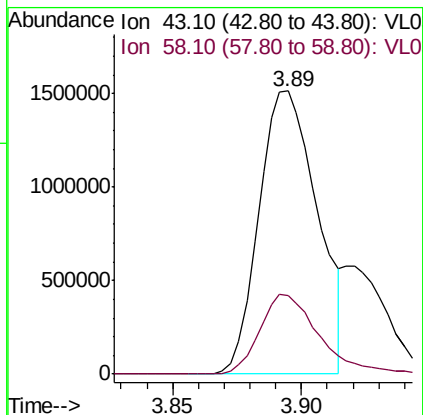
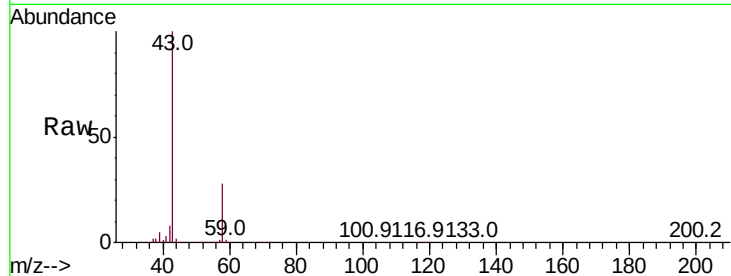
58 28.9 21.3 31.9

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#20

Methylene Chloride

Concen: 0.221 ppbv m

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033711.D

Acq: 17 May 2019 11:21

Tgt Ion: 84 Resp: 13582

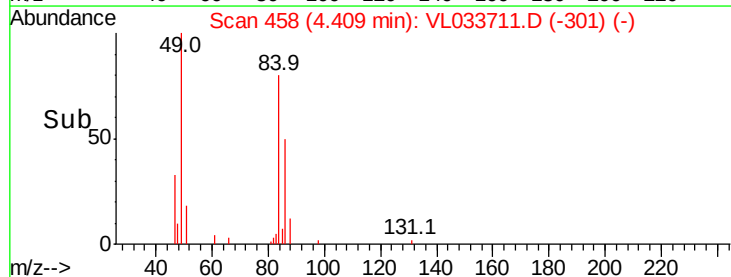
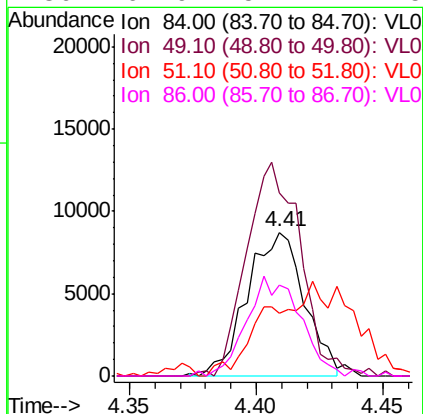
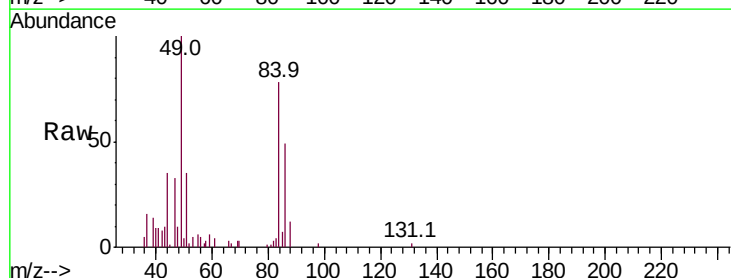
Ion Ratio Lower Upper

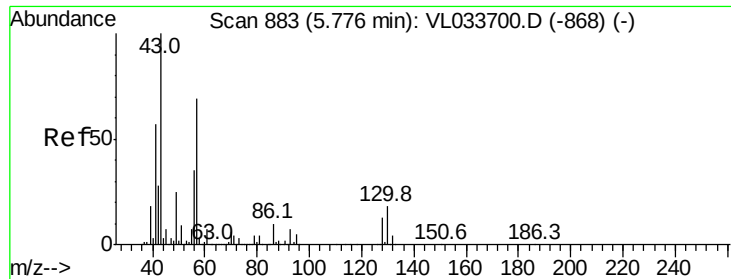
84 100

49 127.4 112.8 169.2

51 44.0 33.4 50.0

86 62.9 51.7 77.5





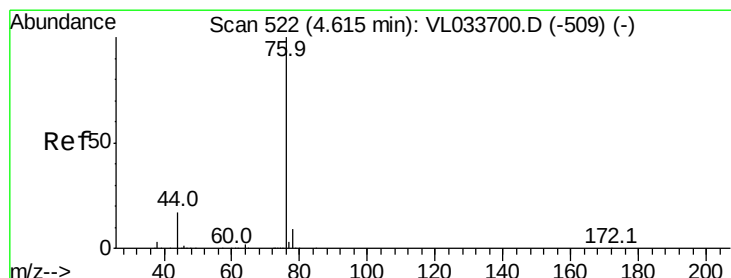
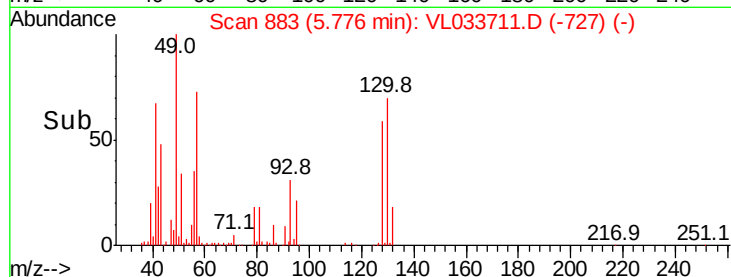
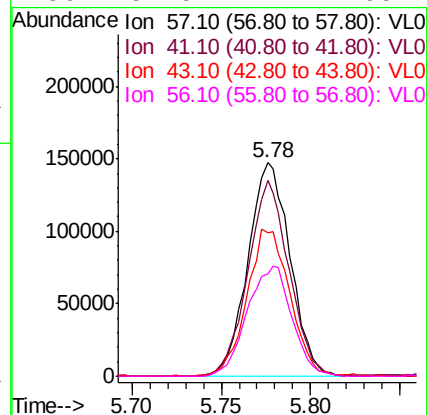
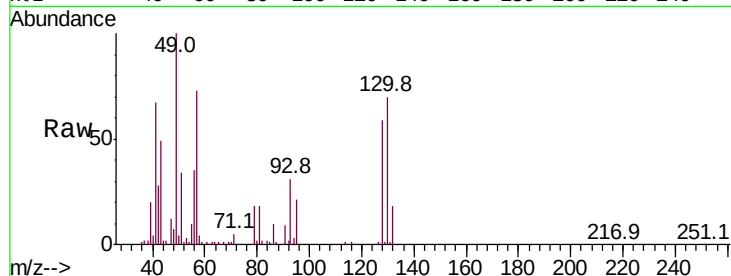
#26
Hexane
Concen: 2.021 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033711.D
Acq: 17 May 2019 11:21

Instrument :
MSVOA_L
ClientSampleId :
SV-01DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	89.5	69.8	104.6
43	70.0	181.8	272.6#
56	54.5	42.1	63.1

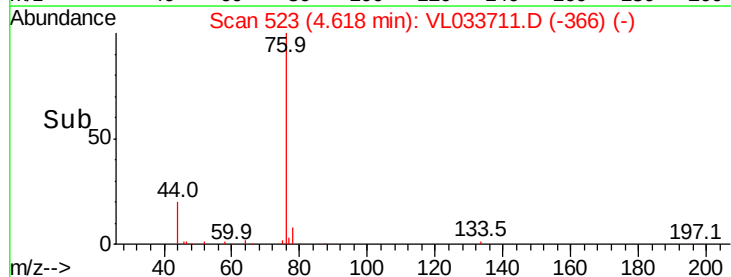
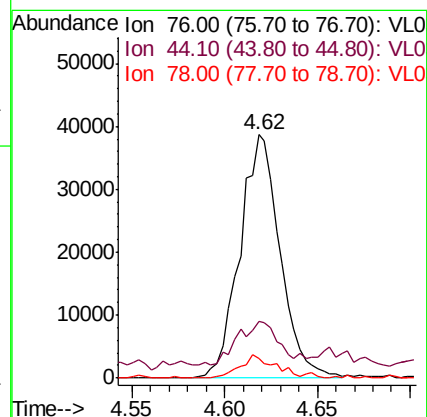
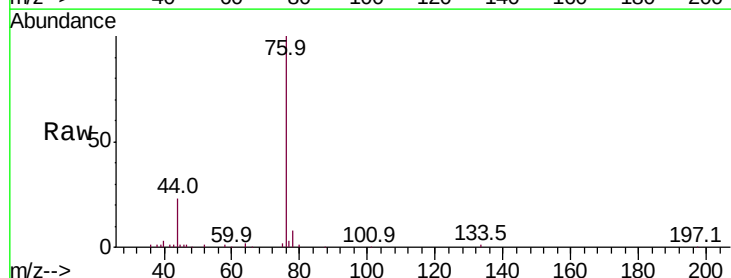
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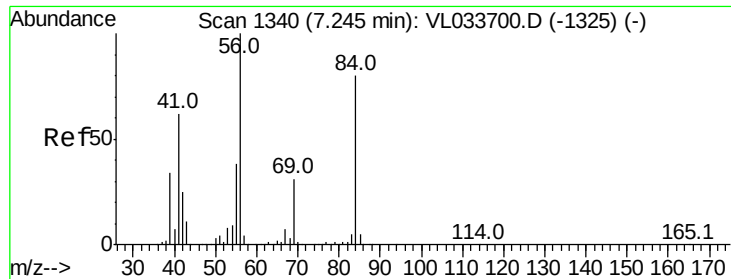
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#27
Carbon Disulfide
Concen: 0.352 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033711.D
Acq: 17 May 2019 11:21

Tgt Ion	Ratio	Lower	Upper
76	100		
44	18.8	13.8	20.8
78	8.6	7.4	11.0





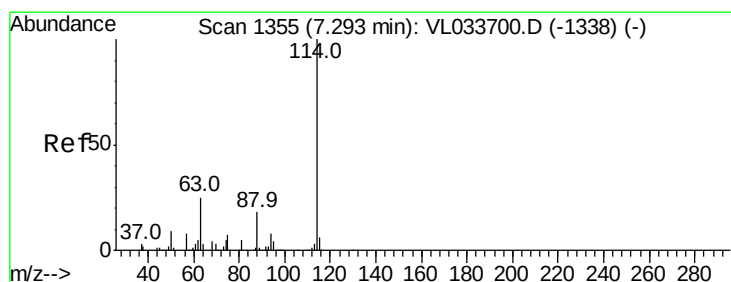
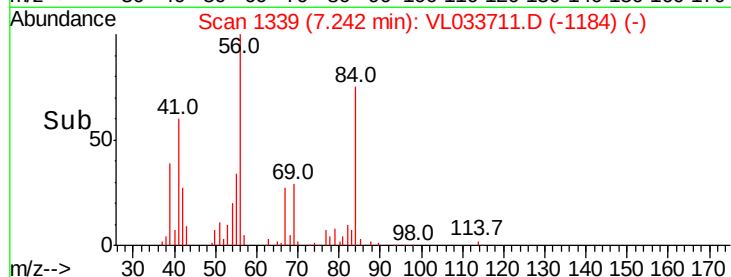
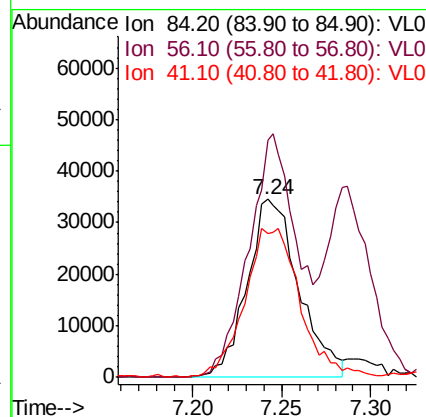
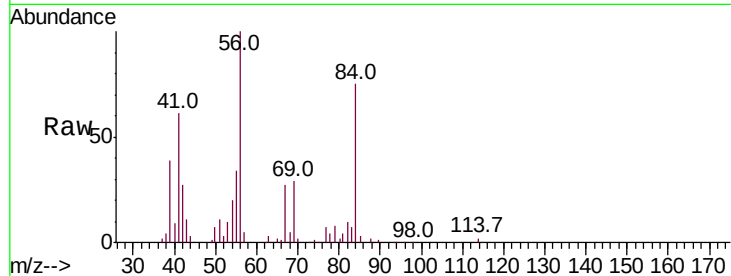
#30
Cyclohexane
Concen: 0.691 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033711.D
Acq: 17 May 2019 11:21

Instrument :
MSVOA_L
ClientSampleId :
SV-01DL

Tot Ion	Ratio	Lower	Upper
84	100		
56	131.2	107.7	161.5
41	89.1	66.0	99.0

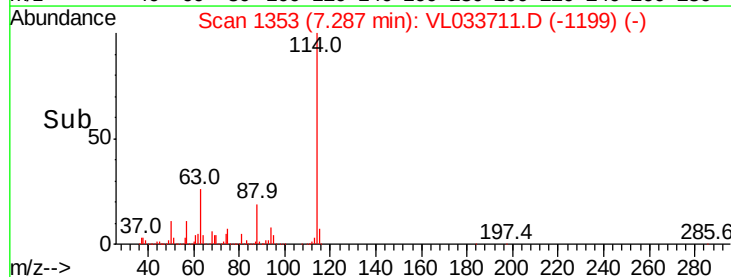
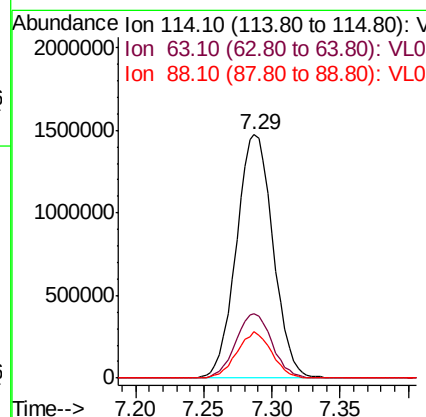
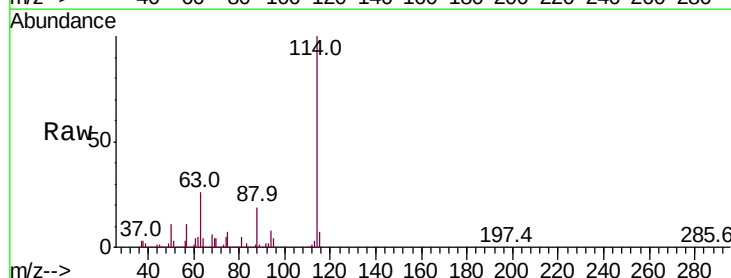
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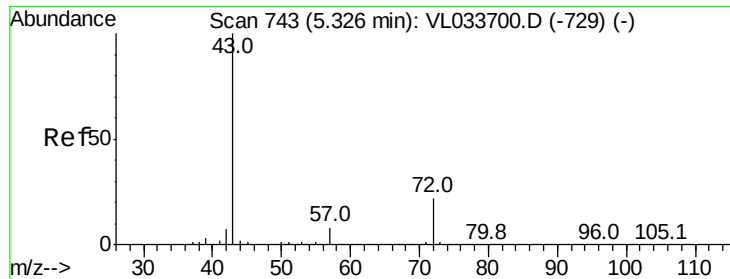
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033711.D
Acq: 17 May 2019 11:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.4	20.9	31.3
88	18.1	14.3	21.5





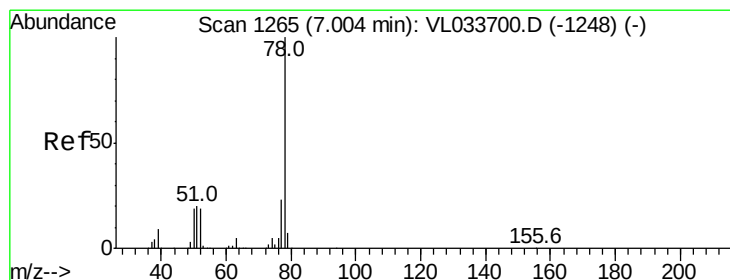
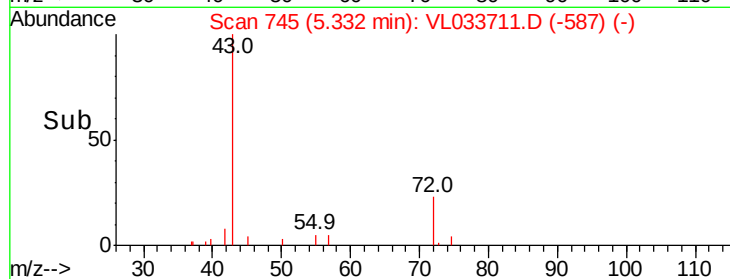
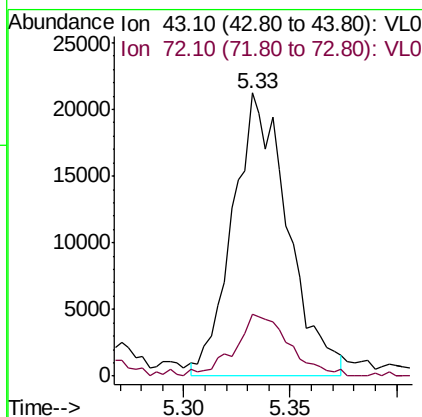
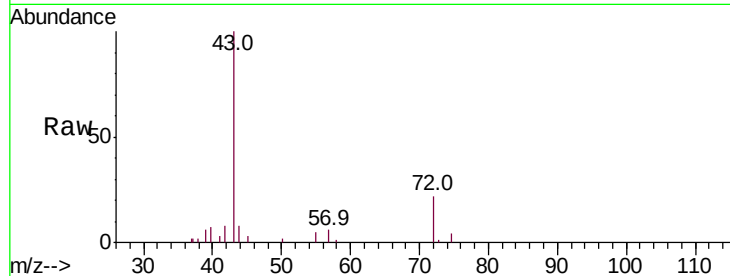
#34
2-Butanone
Concen: 0.225 ppbv m
RT: 5.33 min Scan# 745
Delta R.T. 0.01 min
Lab File: VL033711.D
Acq: 17 May 2019 11:21

Instrument :
MSVOA_L
ClientSampleID :
SV-01DL

Tot Ion	Ratio	Lower	Upper
43	100		
72	22.3	17.8	26.6

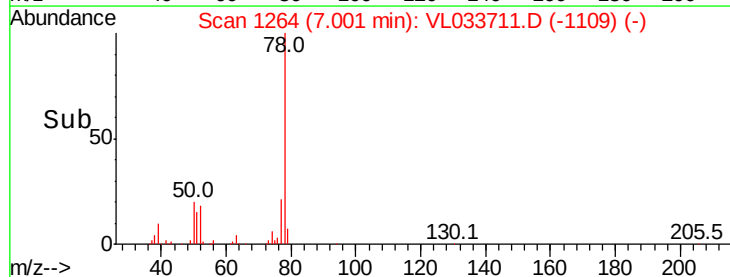
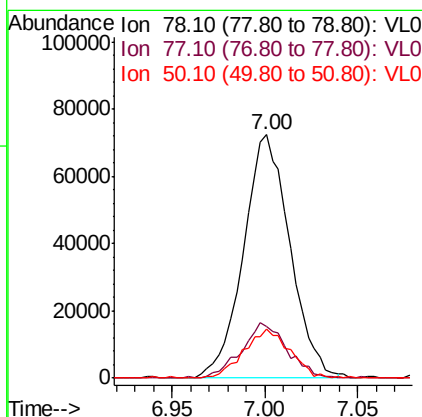
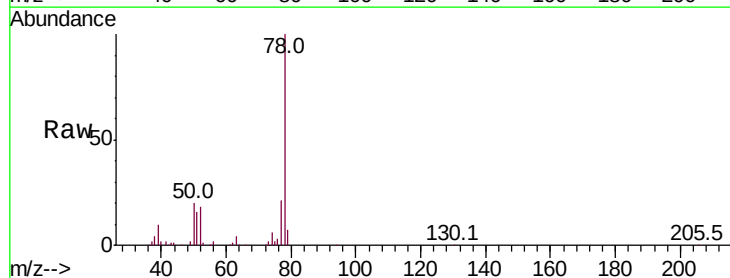
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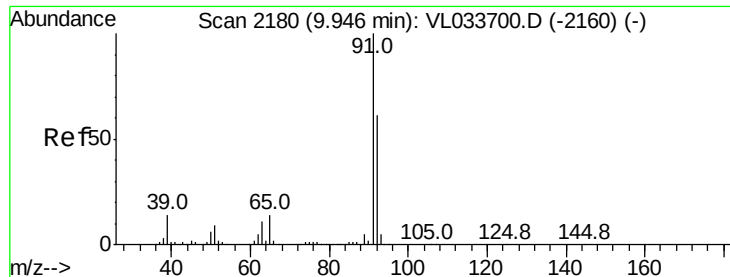
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#36
Benzene
Concen: 0.503 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033711.D
Acq: 17 May 2019 11:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.7	18.4	27.6
50	20.1	15.5	23.3





#53

Toluene

Concen: 0.985 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033711.D

Acq: 17 May 2019 11:21

Instrument :

MSVOA_L

ClientSampleId :

SV-01DL

Tot Ion: 91 Resp: 265525

Ion Ratio Lower Upper

91 100

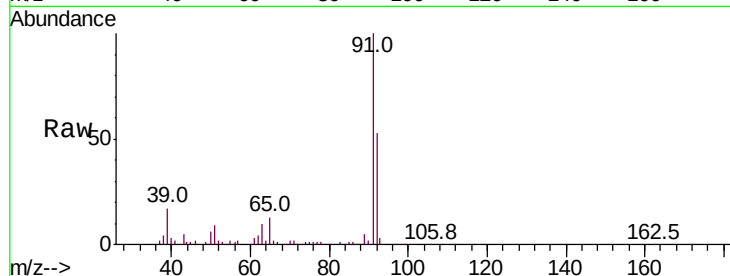
92 58.2 47.6 71.4

Manual Integrations

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

150000

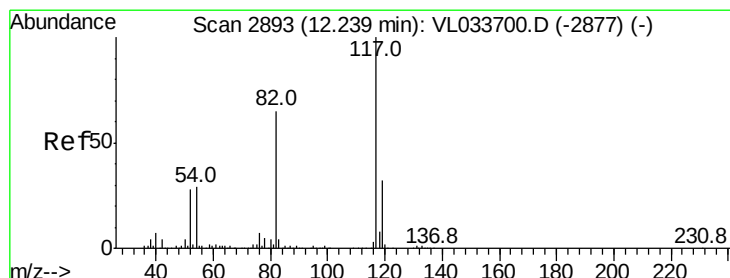
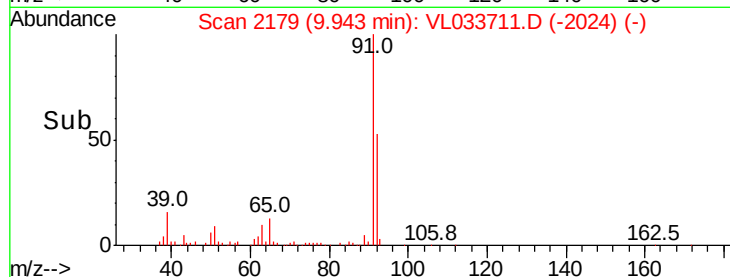
100000

50000

0

9.85 9.90 9.95 10.00

Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2892

Delta R.T. -0.00 min

Lab File: VL033711.D

Acq: 17 May 2019 11:21

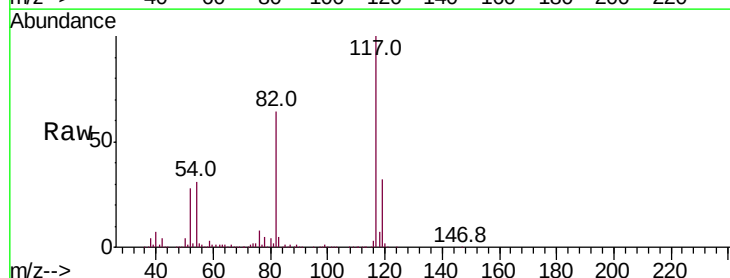
Tgt Ion: 117 Resp: 2858578

Ion Ratio Lower Upper

117 100

82 66.2 49.4 74.0

119 32.6 24.9 37.3



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

1500000

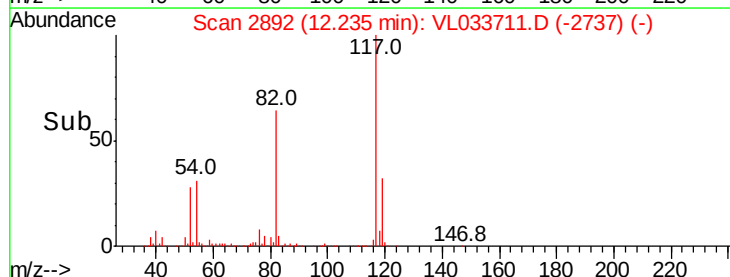
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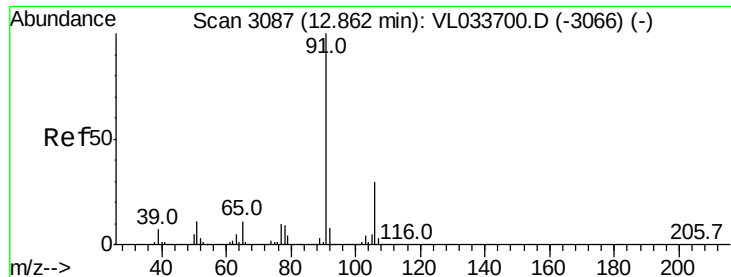
500000

0

12.20 12.24 12.28

Time-->





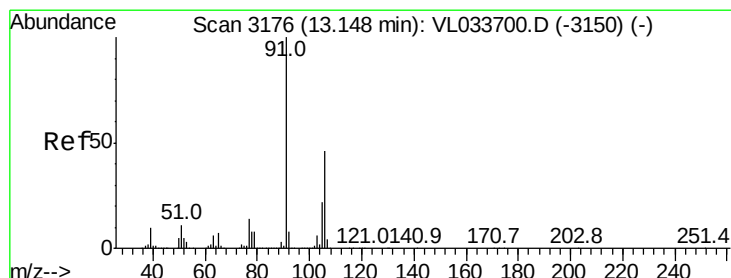
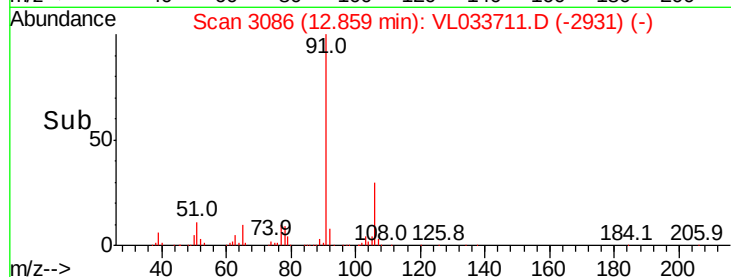
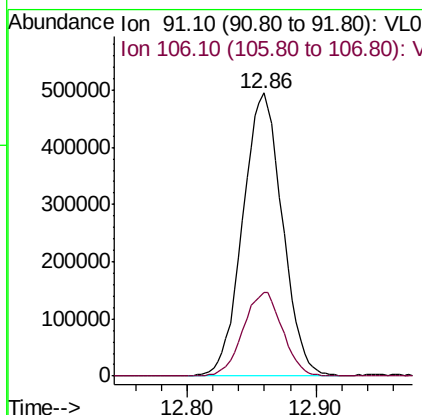
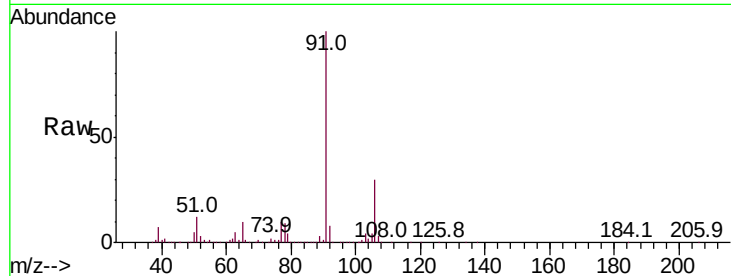
#58
Ethyl Benzene
Concen: 2.784 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033711.D
Acq: 17 May 2019 11:21

Instrument :
MSVOA_L
ClientSampled :
SV-01DL

Tot Ion: 91 Resp: 1053857
Ion Ratio Lower Upper
91 100
106 29.7 23.9 35.9

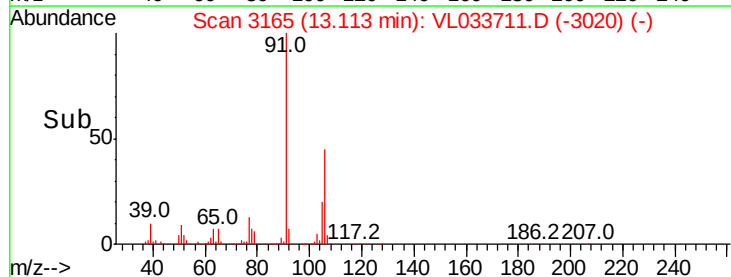
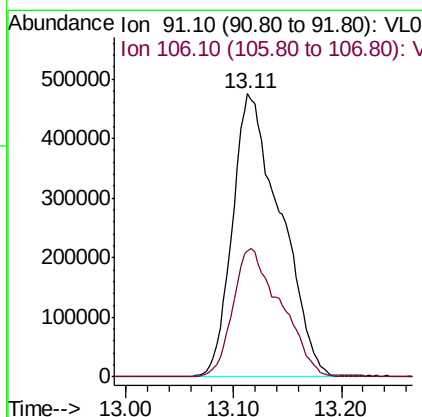
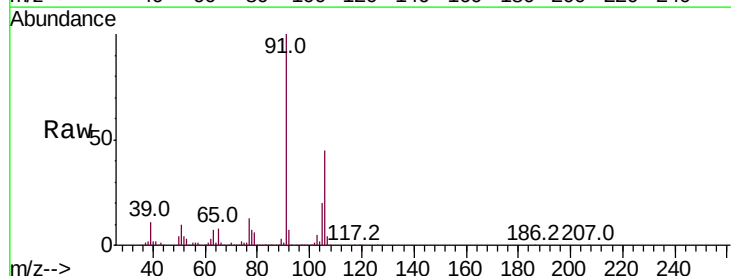
Manual Integrations
APPROVED

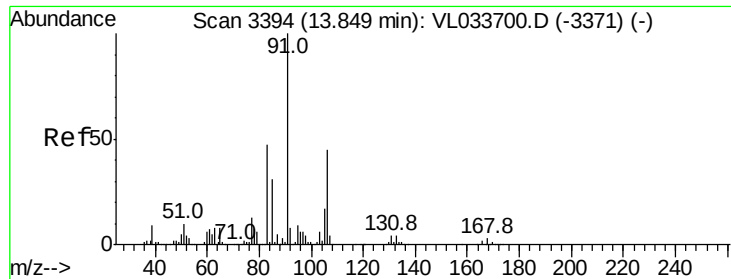
MMDadoda
5/20/2019 12:05:43 PM



#59
m/p-Xylene
Concen: 4.441 ppbv
RT: 13.11 min Scan# 3165
Delta R.T. -0.04 min
Lab File: VL033711.D
Acq: 17 May 2019 11:21

Tgt Ion: 91 Resp: 1469541
Ion Ratio Lower Upper
91 100
106 45.3 35.8 53.6





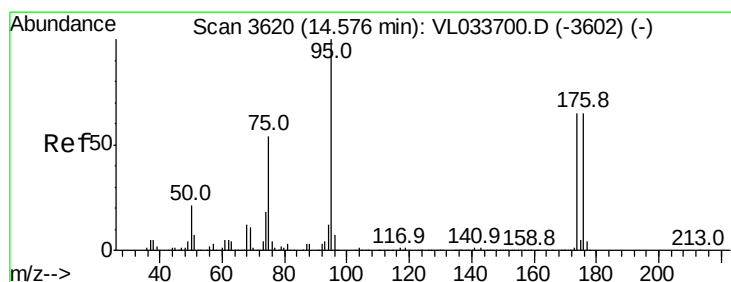
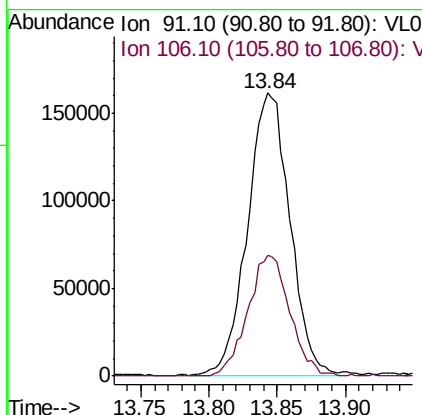
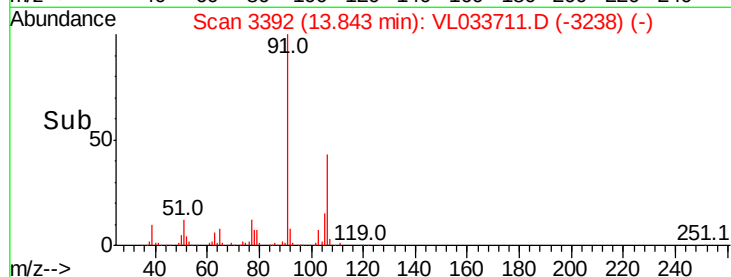
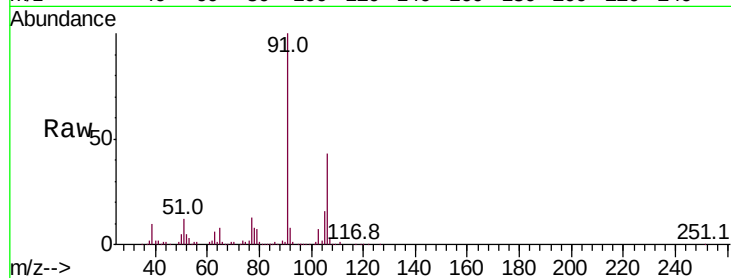
#60
o-Xylene
Concen: 1.049 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033711.D
Acq: 17 May 2019 11:21

Instrument :
MSVOA_L
ClientSampleId :
SV-01DL

Tot Ion: 91 Resp: 349932
Ion Ratio Lower Upper
91 100
106 42.3 21.6 64.8

Manual Integrations
APPROVED

MMDadoda
5/20/2019 12:05:43 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.202 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VL033711.D
Acq: 17 May 2019 11:21

Tgt Ion: 95 Resp: 2364208
Ion Ratio Lower Upper
95 100
174 66.8 53.9 80.9
175 4.9 3.8 5.8

