

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020419\
 Data File : VL033162.D
 Acq On : 4 Feb 2019 19:53
 Operator : SY/AP
 Sample : K1267-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSA2DL

Manual Integrations
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 2/5/2019 10:28:09 AM

Quant Time: Feb 05 01:56:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL020419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Feb 05 2019
 QLast Update : Mon Feb 04 14:41:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1507062	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3498887	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3365219	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2508647	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	10856m	0.129	ppbv	
10) Heptane	8.25	43	38711	0.147	ppbv	96
13) Ethanol	3.67	45	20324m	0.611	ppbv	
15) Acetone	3.90	43	1380560	7.694	ppbv	99
26) Hexane	5.78	57	23066m	0.133	ppbv	
53) Toluene	9.95	91	719475	1.713	ppbv	100
59) m/p-Xylene	13.12	91	130343m	0.301	ppbv	
60) o-Xylene	13.86	91	44269m	0.111	ppbv	
62) Isopropylbenzene	14.83	105	459725	0.805	ppbv	97

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

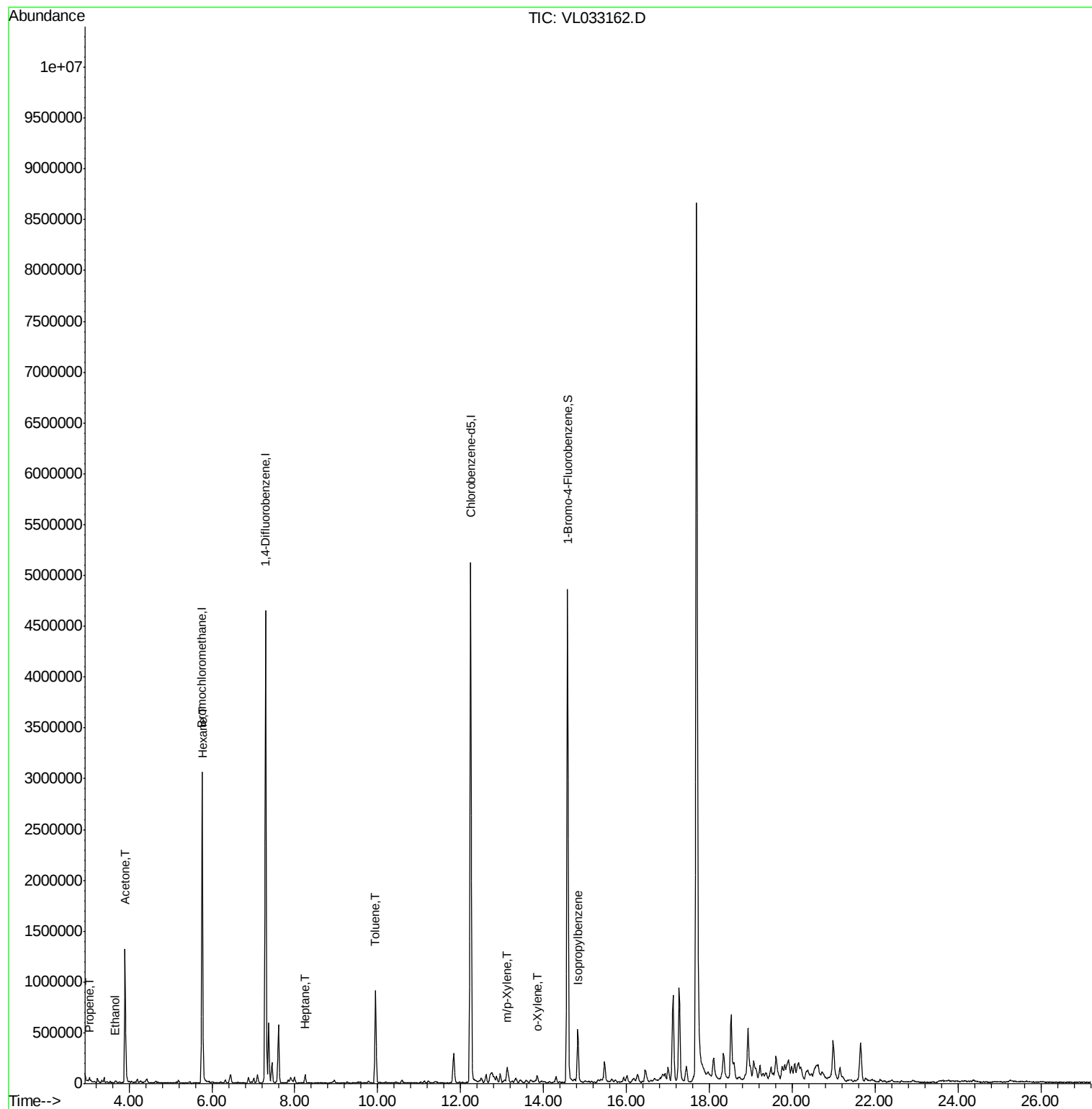
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL020419\
Data File : VL033162.D
Acq On : 4 Feb 2019 19:53
Operator : SY/AP
Sample : K1267-01DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

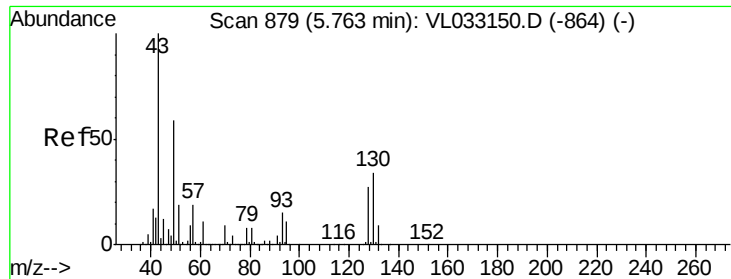
Instrument :
MSVOA_L
ClientSampled :
SSA2DL

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Quant Time: Feb 05 01:56:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL020419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Feb
QLast Update : Mon Feb 04 14:41:39 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.01 min

Lab File: VL033162.D

Acq: 4 Feb 2019 19:53

Instrument :

MSVOA_L

ClientSampleId :

SSA2DL

Tot Ion: 49 Resp: 1507062

Ion Ratio Lower Upper

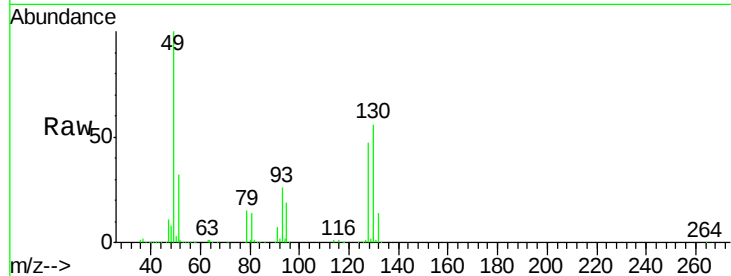
49 100

128 45.7 23.2 69.5

130 57.8 29.5 88.6

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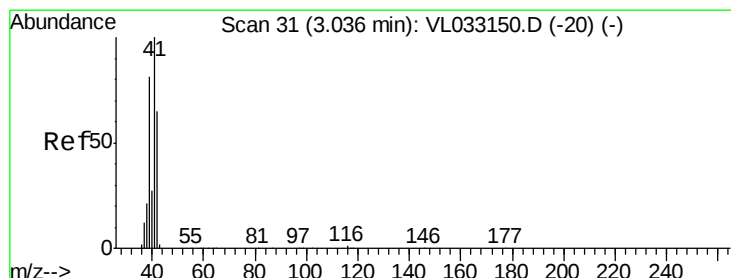
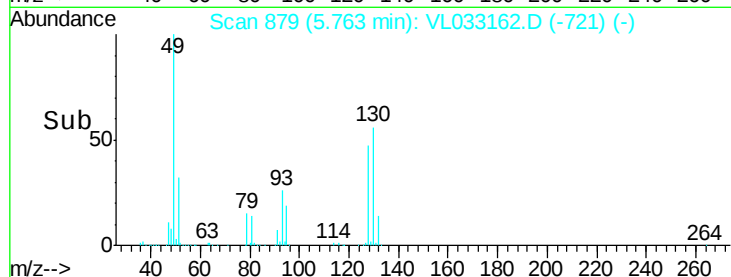
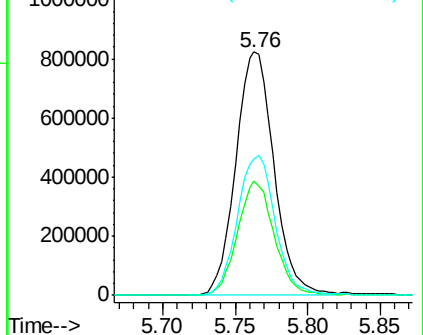
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.129 ppbv m

RT: 3.04 min Scan# 32

Delta R.T. 0.01 min

Lab File: VL033162.D

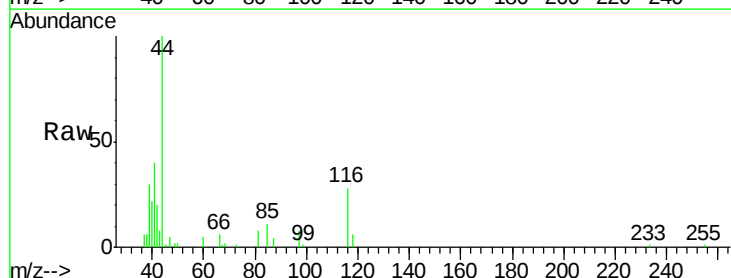
Acq: 4 Feb 2019 19:53

Tgt Ion: 41 Resp: 10856

Ion Ratio Lower Upper

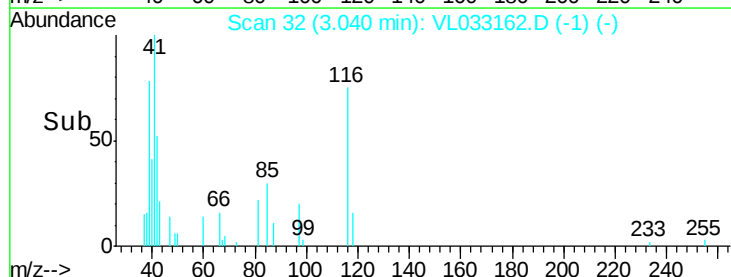
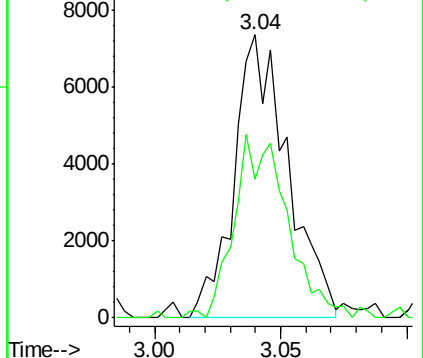
41 100

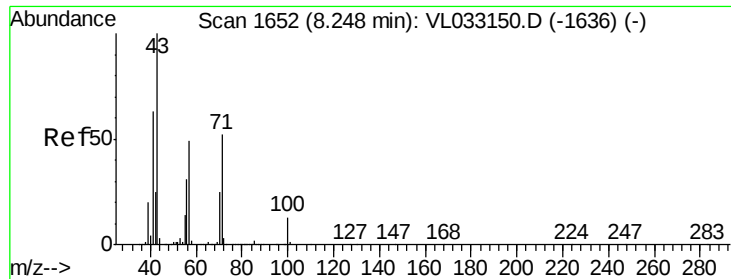
42 65.6 55.1 82.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





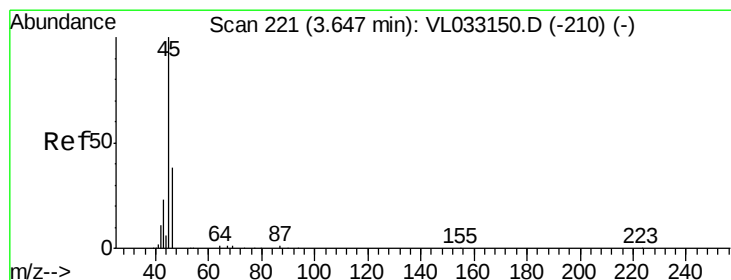
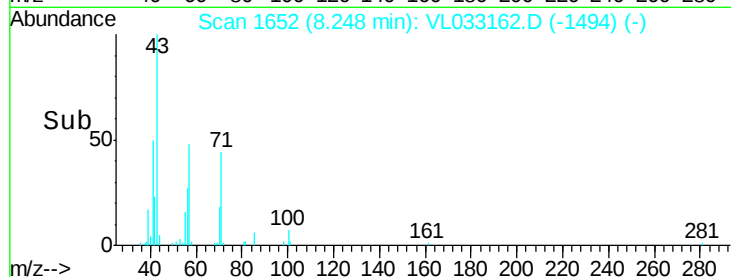
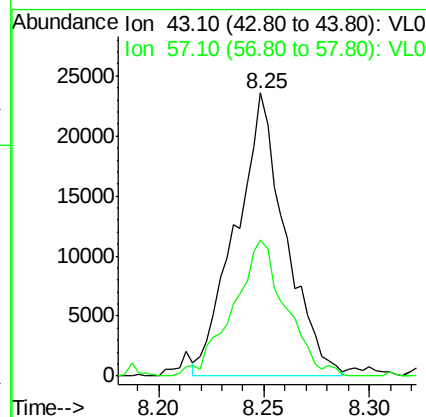
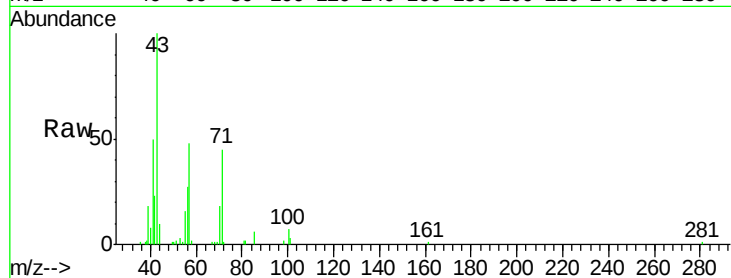
#10
Heptane
Concen: 0.147 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. 0.01 min
Lab File: VL033162.D
Acq: 4 Feb 2019 19:53

Instrument :
MSVOA_L
ClientSampleId :
SSA2DL

Tot Ion: 43 Resp: 38711
Ion Ratio Lower Upper
43 100
57 52.0 39.3 58.9

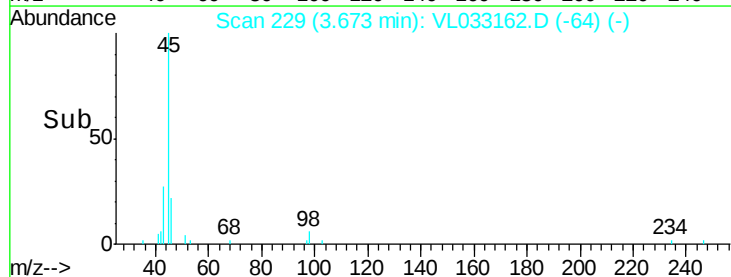
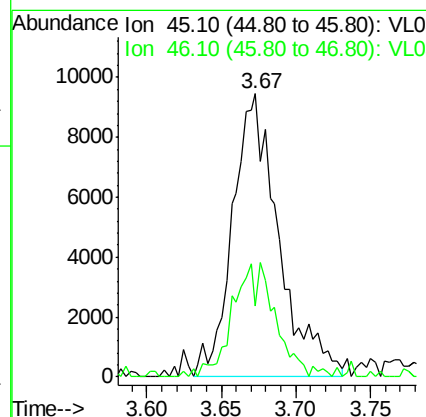
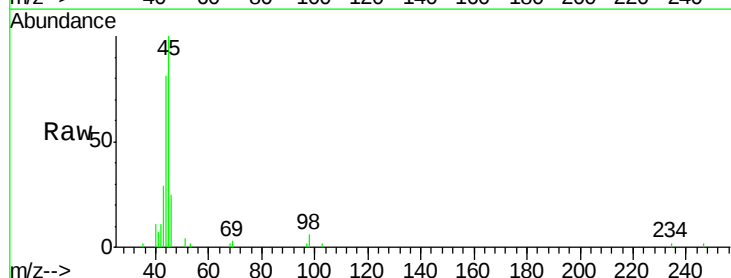
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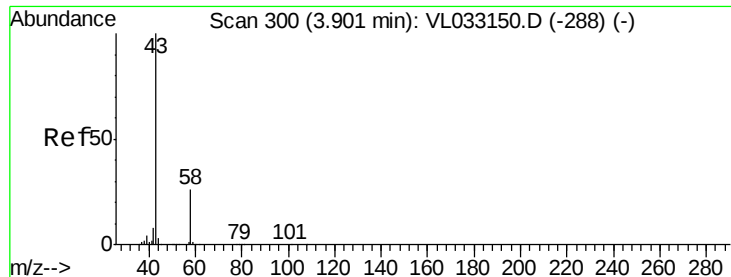
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#13
Ethanol
Concen: 0.611 ppbv m
RT: 3.67 min Scan# 229
Delta R.T. 0.03 min
Lab File: VL033162.D
Acq: 4 Feb 2019 19:53

Tgt Ion: 45 Resp: 20324
Ion Ratio Lower Upper
45 100
46 0.0 14.0 56.2#





#15

Acetone

Concen: 7.694 ppbv

RT: 3.90 min Scan# 301

Delta R.T. 0.01 min

Lab File: VL033162.D

Acq: 4 Feb 2019 19:53

Instrument :

MSVOA_L

ClientSampleId :

SSA2DL

Tot Ion: 43 Resp: 1380560

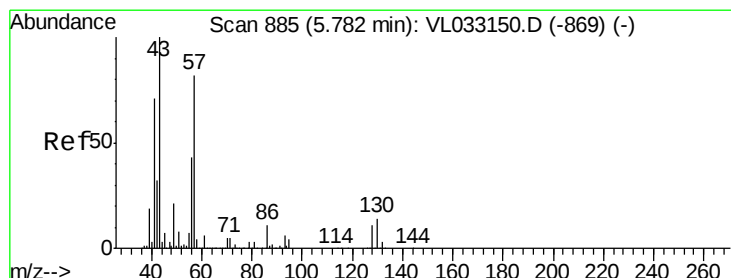
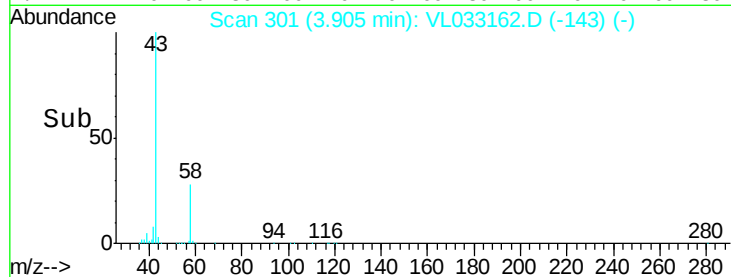
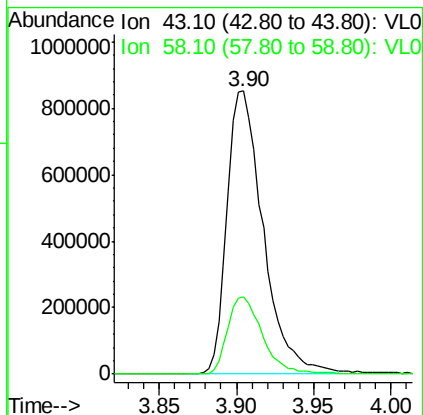
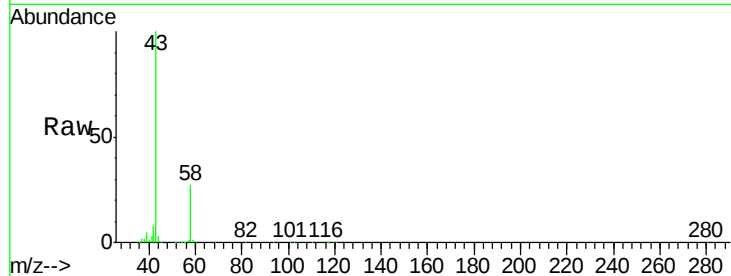
Ion Ratio Lower Upper

43 100

58 26.6 21.8 32.6

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#26

Hexane

Concen: 0.133 ppbv m

RT: 5.78 min Scan# 884

Delta R.T. 0.00 min

Lab File: VL033162.D

Acq: 4 Feb 2019 19:53

Tgt Ion: 57 Resp: 23066

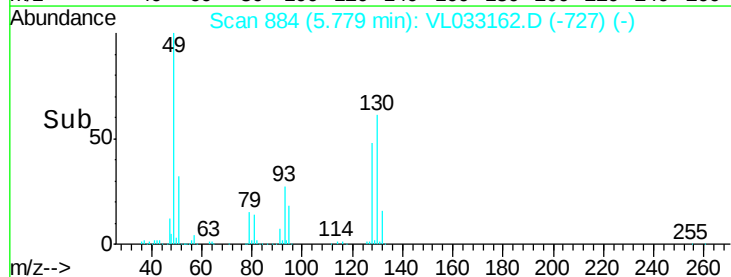
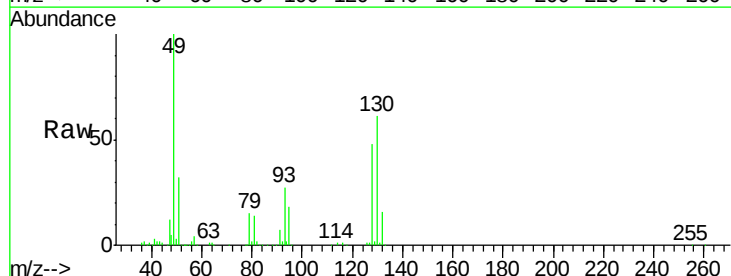
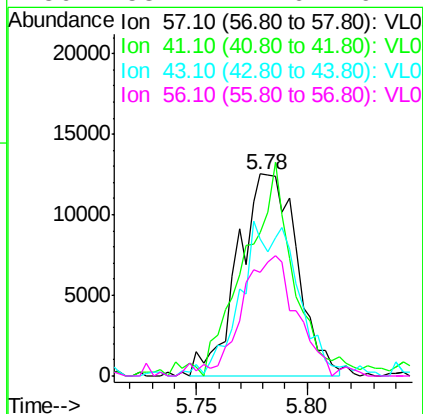
Ion Ratio Lower Upper

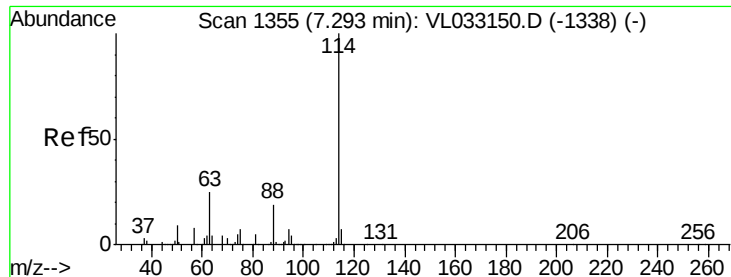
57 100

41 92.2 69.5 104.3

43 76.0 175.5 263.3#

56 58.4 41.6 62.4





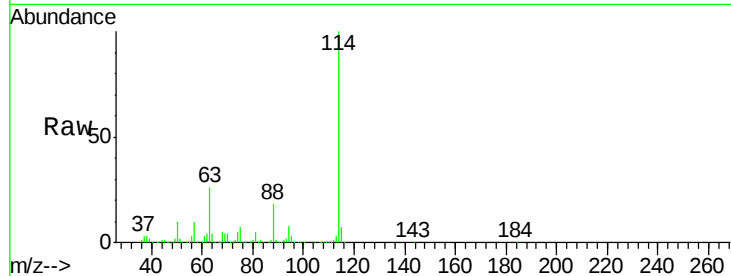
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. 0.00 min
 Lab File: VL033162.D
 Acq: 4 Feb 2019 19:53

Instrument :
 MSVOA_L
 ClientSampleId :
 SSA2DL

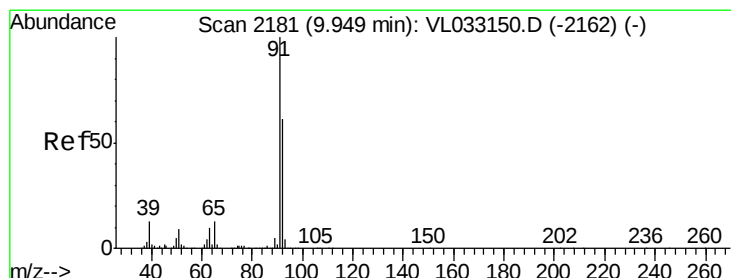
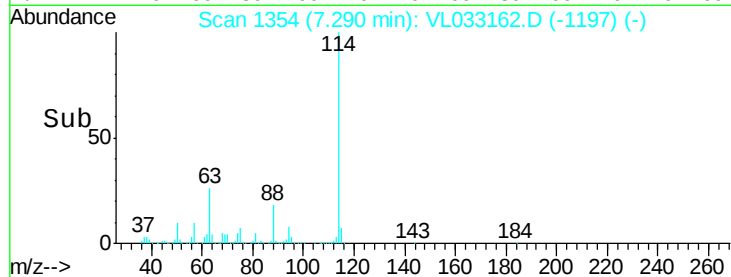
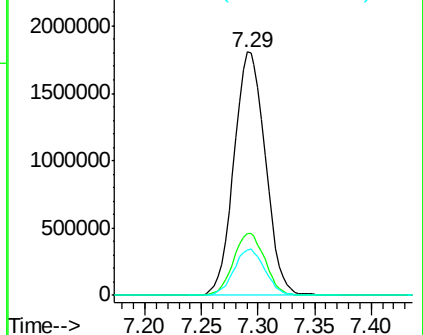
Tot Ion	Ratio	Lower	Upper
114	100		
63	25.7	20.0	30.0
88	18.7	14.4	21.6

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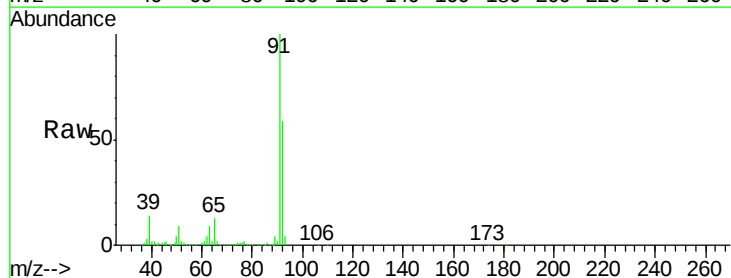


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

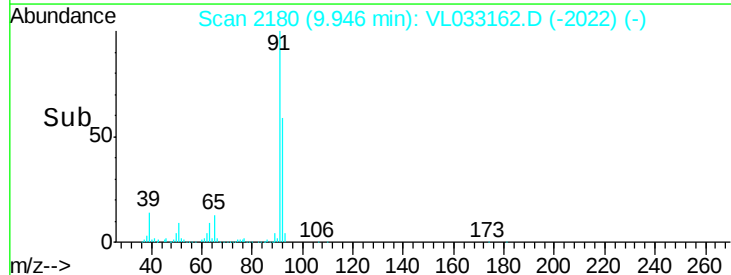
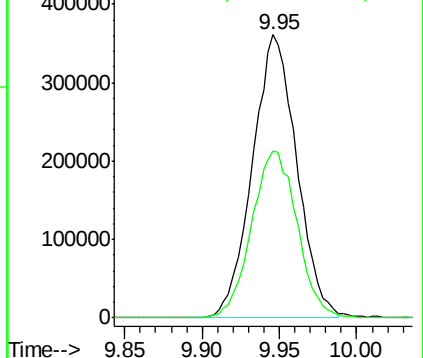


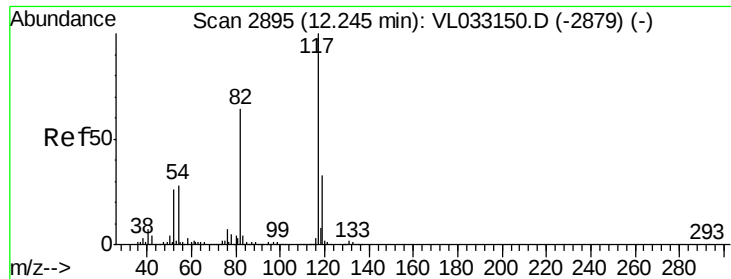
#53
 Toluene
 Concen: 1.713 ppbv
 RT: 9.95 min Scan# 2180
 Delta R.T. 0.01 min
 Lab File: VL033162.D
 Acq: 4 Feb 2019 19:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.8	48.9	73.3



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2894

Delta R.T. 0.01 min

Lab File: VL033162.D

Acq: 4 Feb 2019 19:53

Instrument :

MSVOA_L

ClientSampleId :

SSA2DL

Tot Ion:117 Resp: 3365219

Ion Ratio Lower Upper

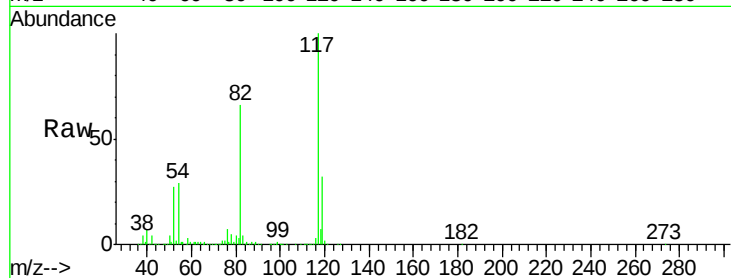
117 100

82 65.6 49.3 73.9

119 32.6 27.1 40.7

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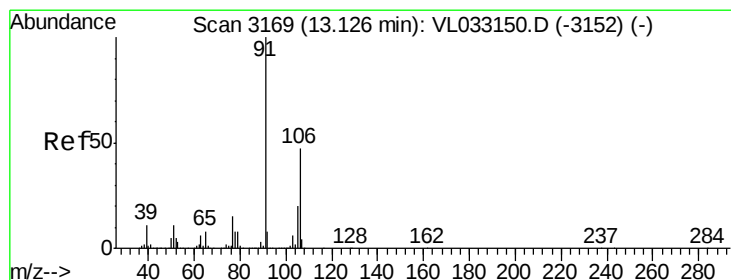
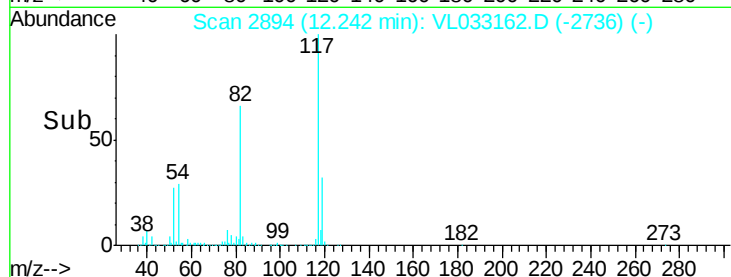
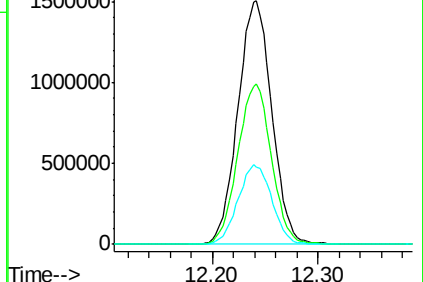
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#59

m/p-Xylene

Concen: 0.301 ppbv m

RT: 13.12 min Scan# 3166

Delta R.T. -0.00 min

Lab File: VL033162.D

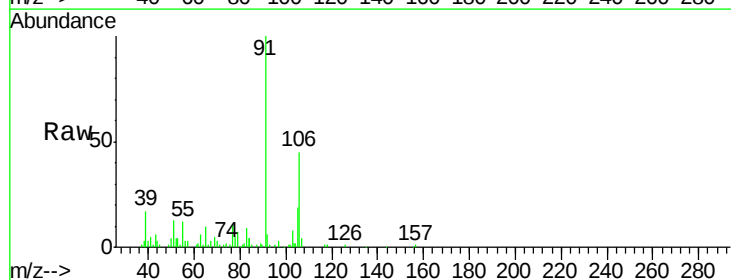
Acq: 4 Feb 2019 19:53

Tgt Ion: 91 Resp: 130343

Ion Ratio Lower Upper

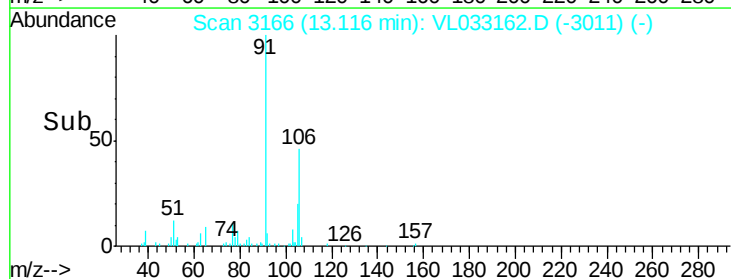
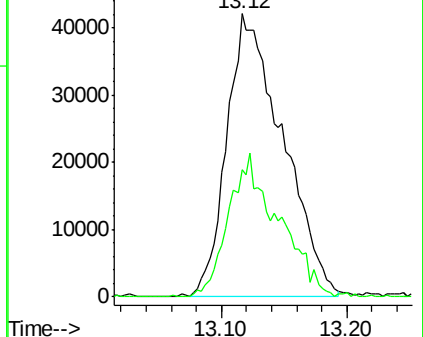
91 100

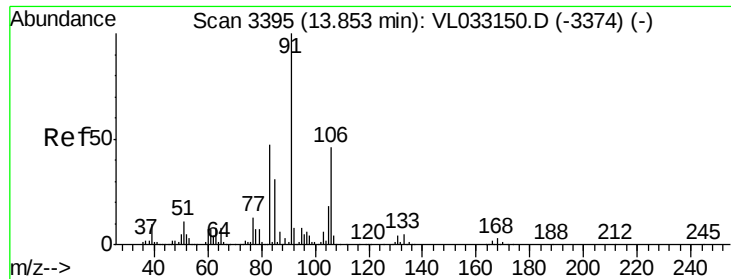
106 45.2 37.6 56.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





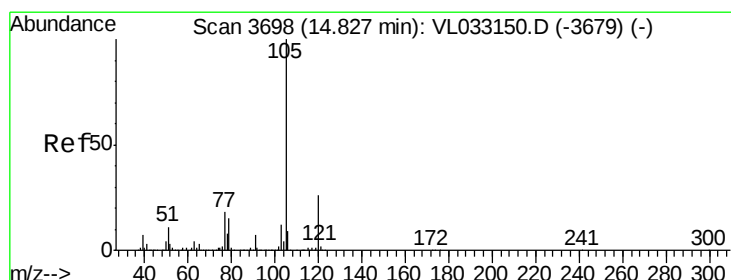
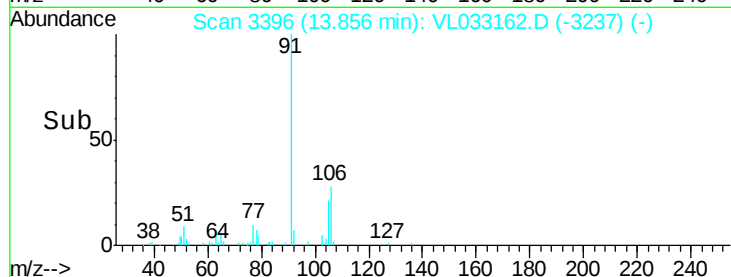
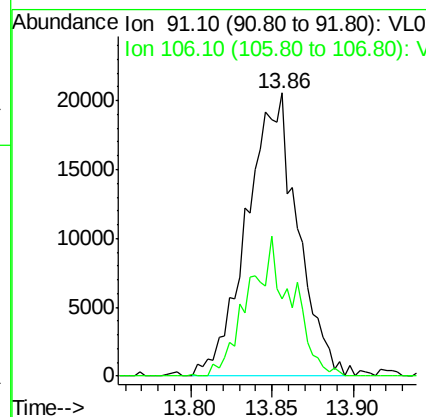
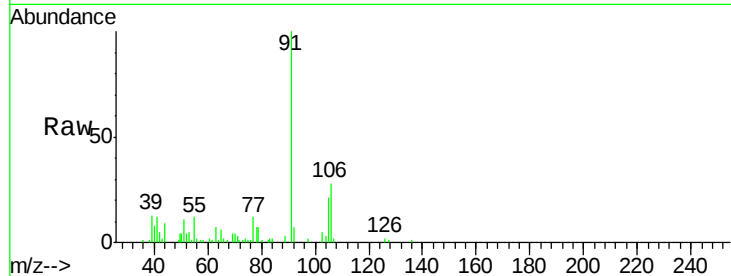
#60
o-Xylene
Concen: 0.111 ppbv m
RT: 13.86 min Scan# 3396
Delta R.T. 0.01 min
Lab File: VL033162.D
Acq: 4 Feb 2019 19:53

Instrument :
MSVOA_L
ClientSampleId :
SSA2DL

Tot Ion: 91 Resp: 44269
Ion Ratio Lower Upper
91 100
106 0.0 23.2 69.5#

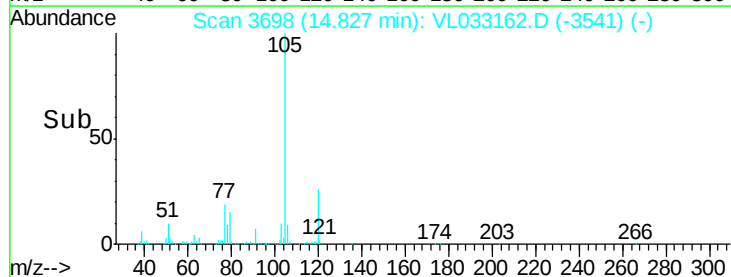
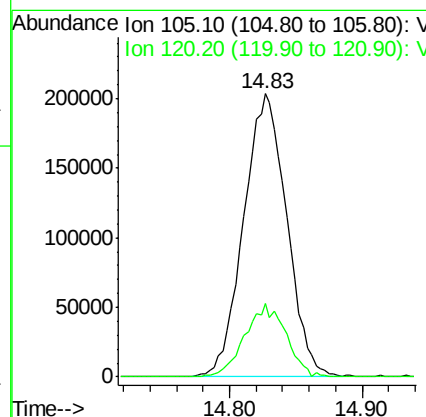
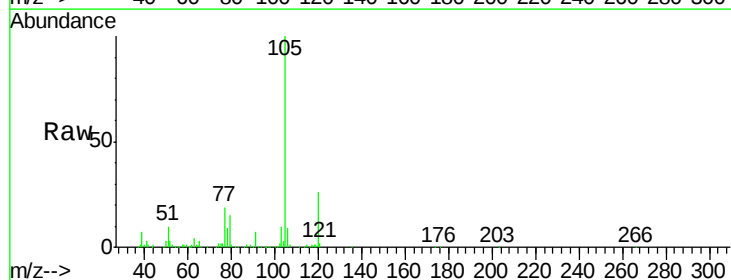
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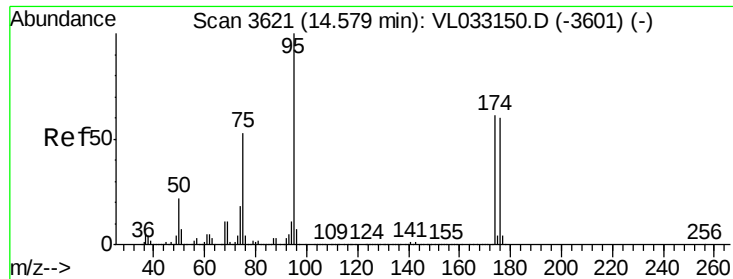
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#62
Isopropylbenzene
Concen: 0.805 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. 0.00 min
Lab File: VL033162.D
Acq: 4 Feb 2019 19:53

Tgt Ion: 105 Resp: 459725
Ion Ratio Lower Upper
105 100
120 24.7 20.8 31.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.003 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. 0.00 min
 Lab File: VL033162.D
 Acq: 4 Feb 2019 19:53

Instrument :
 MSVOA_L
 ClientSampleId :
 SSA2DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	60.5	49.2	73.8
175	4.4	3.7	5.5

Manual Integrations
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