

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110718\
 Data File : VL032734.D
 Acq On : 8 Nov 2018 2:18
 Operator : SY/AP
 Sample : J5823-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-03DL

Manual Integrations
 APPROVED

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 11/12/2018 12:30:23 PM

Quant Time: Nov 12 03:39:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 25 2018
 QLast Update : Thu Oct 25 05:15:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1411686	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3589232	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3532360	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2641365	10.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	18481m	0.407	ppbv	
13) Ethanol	3.66	45	2210403	170.222	ppbv	96
15) Acetone	3.91	43	251518	1.929	ppbv	92
17) tert-Butyl alcohol	4.38	59	89574	2.336	ppbv #	100
19) Isopropyl Alcohol	4.04	45	336071	3.620	ppbv	99
26) Hexane	5.79	57	31021	0.219	ppbv #	54
34) 2-Butanone	5.34	43	32253	0.168	ppbv	98
36) Benzene	7.01	78	93082	0.319	ppbv	94
44) 2,2,4-Trimethylpentane	8.00	57	109346	0.220	ppbv #	83
53) Toluene	9.95	91	689047	2.062	ppbv	98
58) Ethyl Benzene	12.87	91	55627m	0.136	ppbv	
59) m/p-Xylene	13.13	91	209982m	0.575	ppbv	
60) o-Xylene	13.86	91	63127m	0.179	ppbv	
74) 1,2,4-Trimethylbenzene	16.94	105	43313m	0.111	ppbv	

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

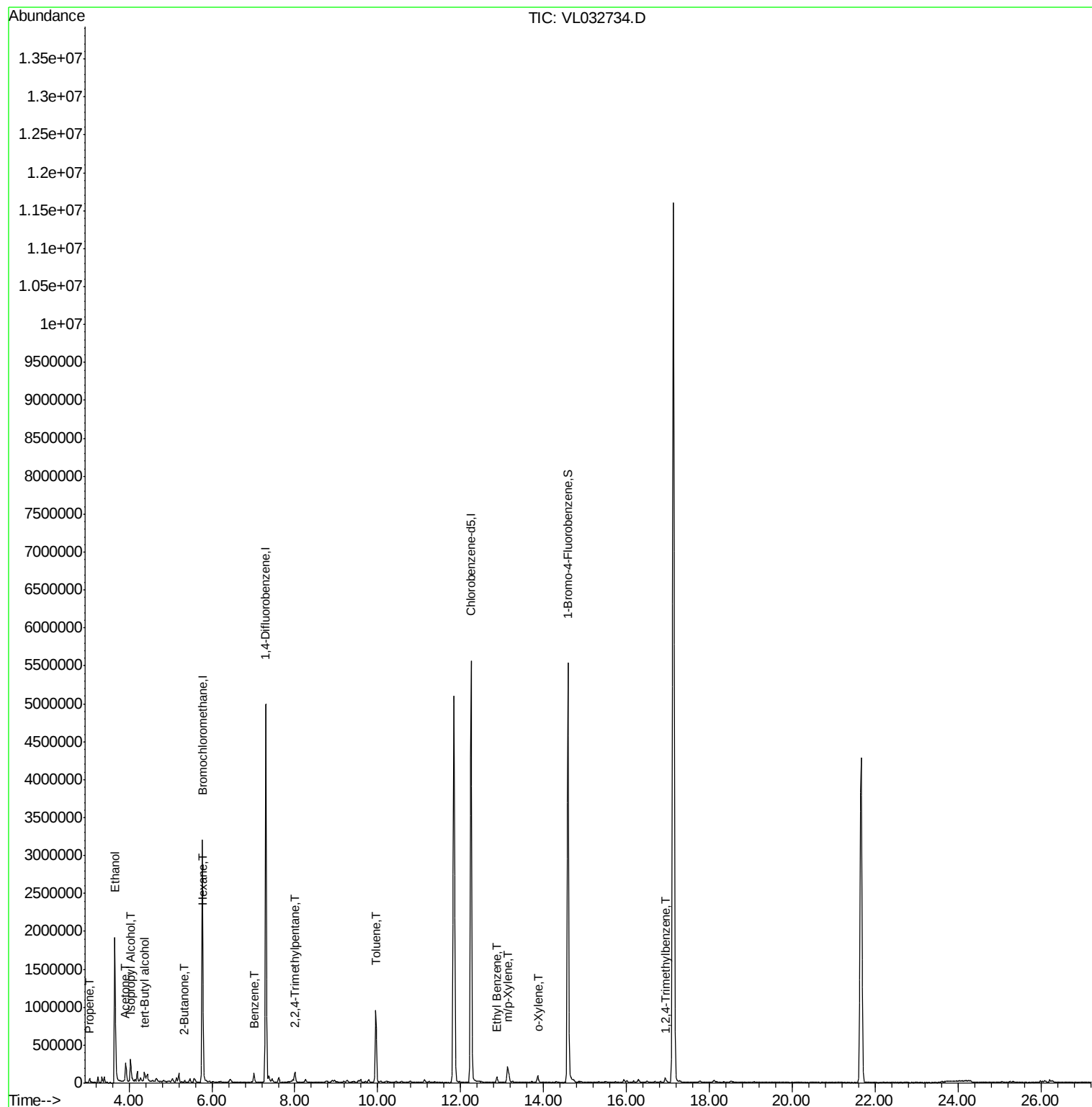
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL110718\
Data File : VL032734.D
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

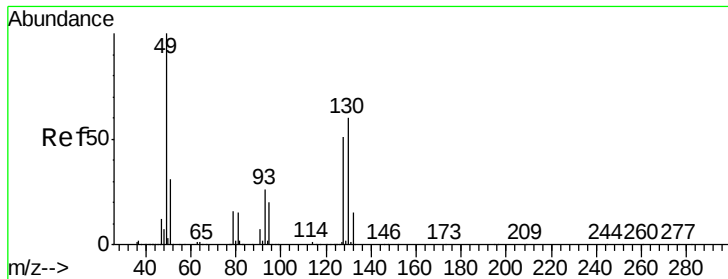
Instrument :
MSVOA_L
ClientSampleId :
SV-03DL

Manual Integrations
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Quant Time: Nov 12 03:39:46 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct
QLast Update : Thu Oct 25 05:15:43 2018
Response via : Initial Calibration





#1

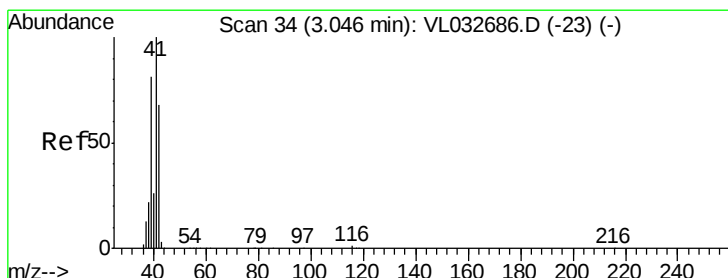
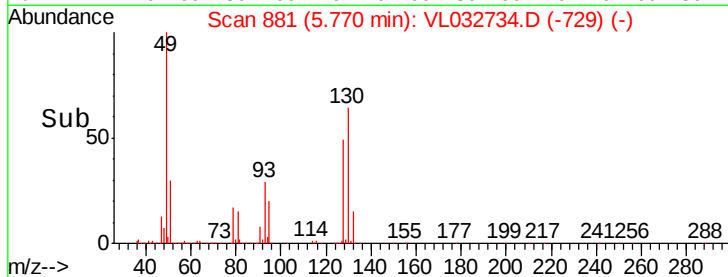
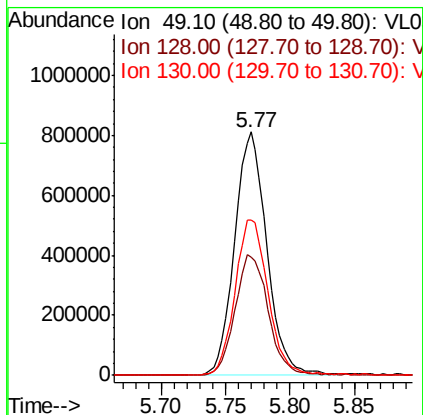
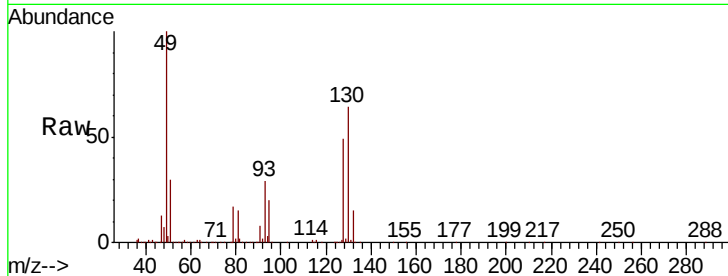
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.77 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: VL032734.D
 Acq: 8 Nov 2018 2:18

Instrument :
 MSVOA_L
 ClientSampleID :
 SV-03DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	51.3	22.3	66.8
130	66.3	28.4	85.3

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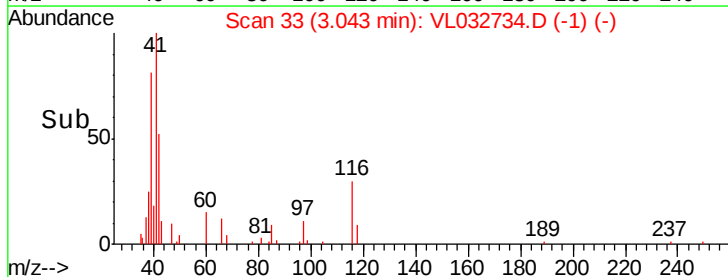
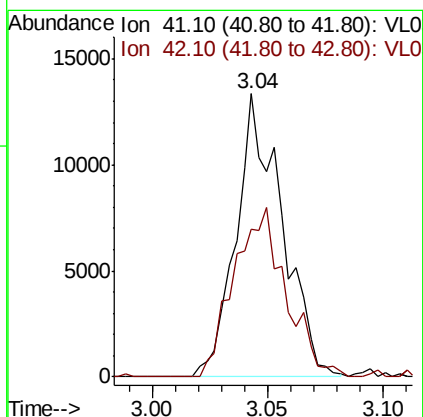
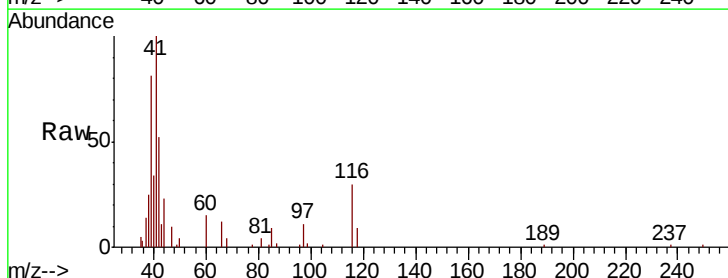
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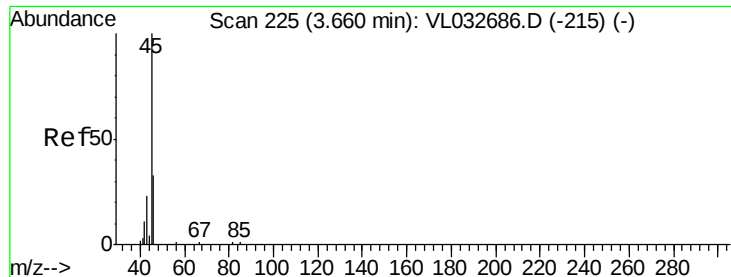


#9

Propene
 Concen: 0.407 ppbv m
 RT: 3.04 min Scan# 33
 Delta R.T. -0.00 min
 Lab File: VL032734.D
 Acq: 8 Nov 2018 2:18

Tgt Ion	Ratio	Lower	Upper
41	100		
42	0.0	55.4	83.0





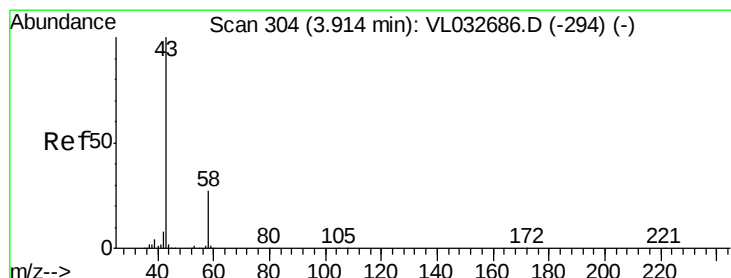
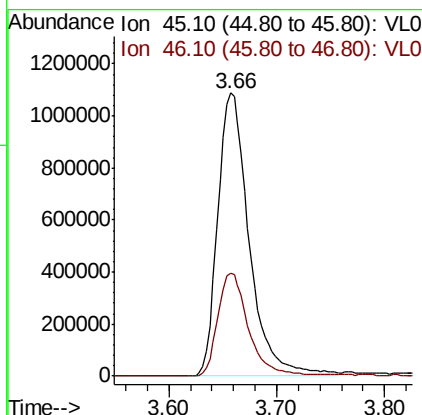
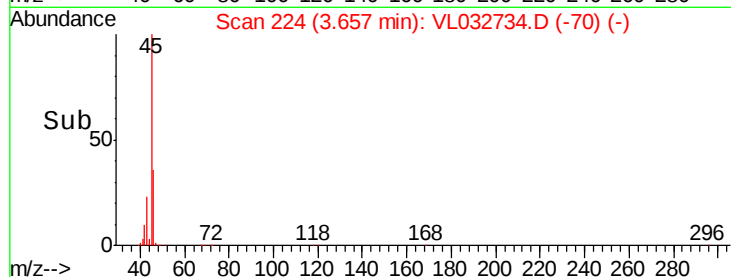
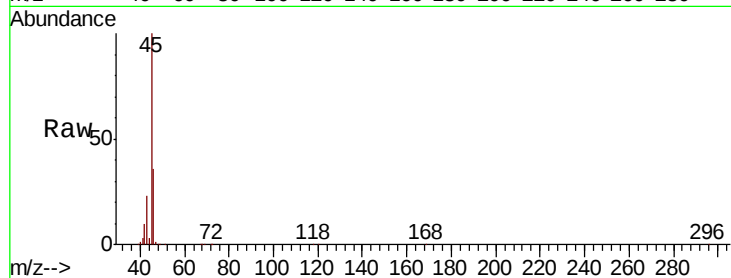
#13
Ethanol
Concen: 170.222 ppbv
RT: 3.66 min Scan# 224
Delta R.T. -0.00 min
Lab File: VL032734.D
Acq: 8 Nov 2018 2:18

Instrument :
MSVOA_L
ClientSampleId :
SV-03DL

Tot Ion: 45 Resp: 2210403
Ion Ratio Lower Upper
45 100
46 36.3 15.4 61.8

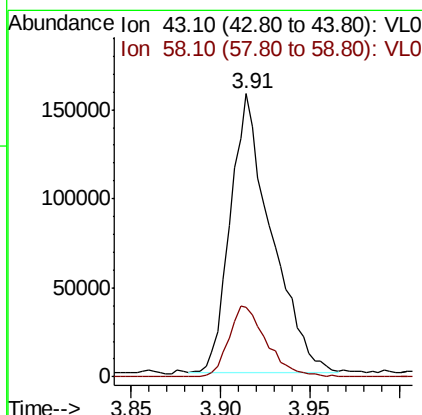
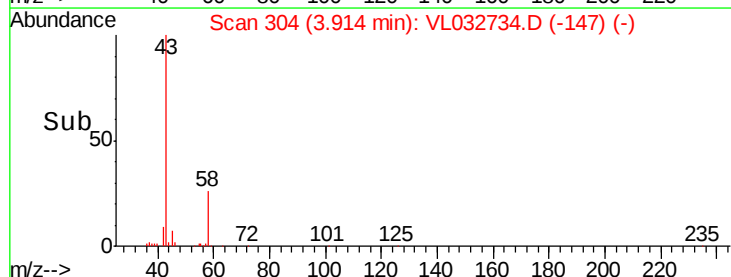
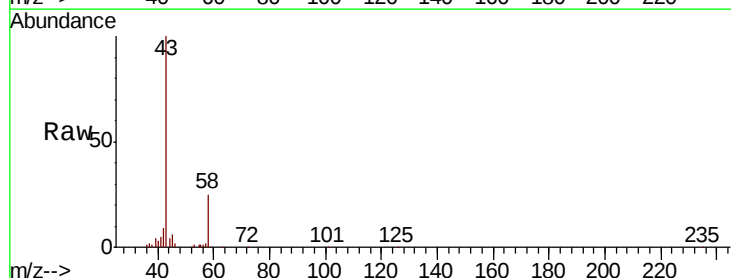
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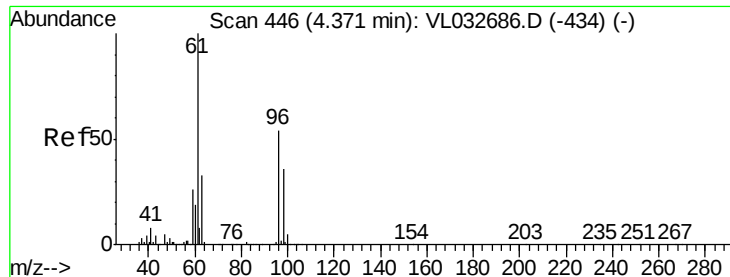
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#15
Acetone
Concen: 1.929 ppbv
RT: 3.91 min Scan# 304
Delta R.T. 0.00 min
Lab File: VL032734.D
Acq: 8 Nov 2018 2:18

Tgt Ion: 43 Resp: 251518
Ion Ratio Lower Upper
43 100
58 23.5 22.1 33.1





#17

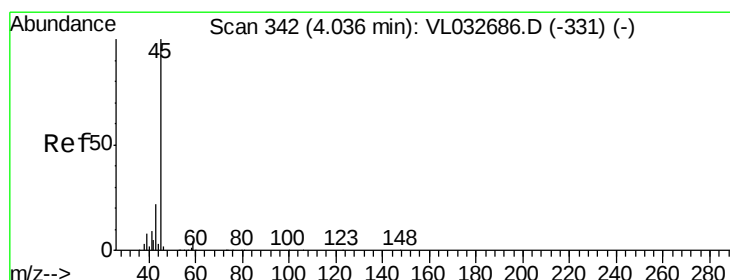
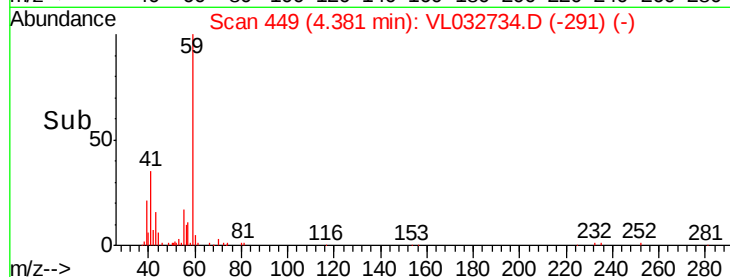
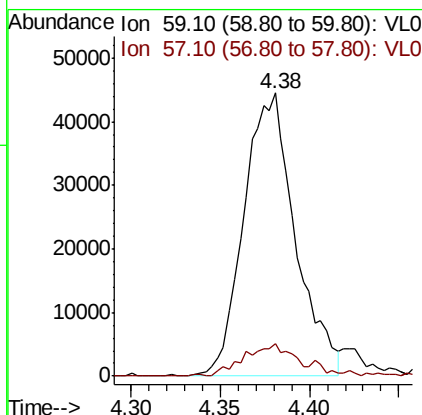
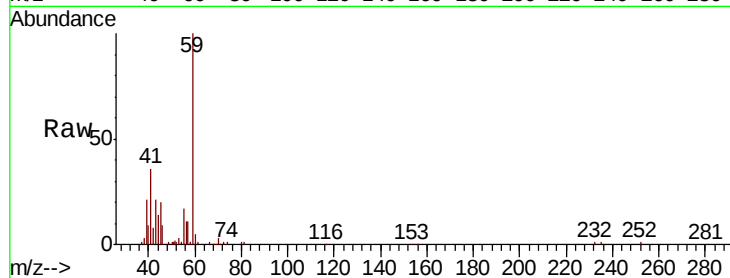
tert-Butyl alcohol
Concen: 2.336 ppbv
RT: 4.38 min Scan# 449
Delta R.T. 0.01 min
Lab File: VL032734.D
Acq: 8 Nov 2018 2:18

Instrument :
MSVOA_L
ClientSampled :
SV-03DL

Tot Ion	59	Resp	89574
Ion Ratio	Lower	Upper	
59	100		
57	13.3	0.0	0.0#

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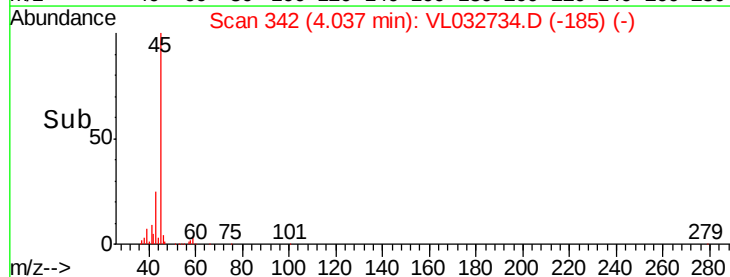
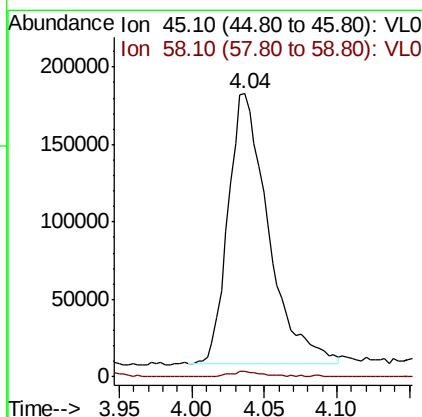
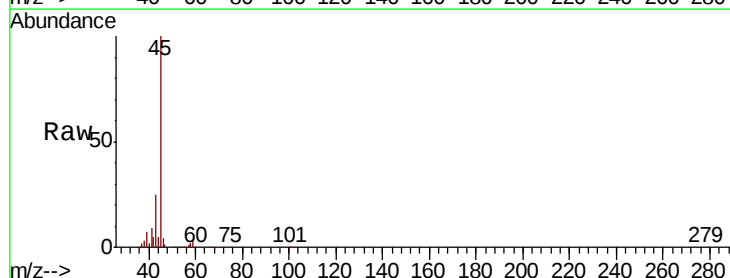
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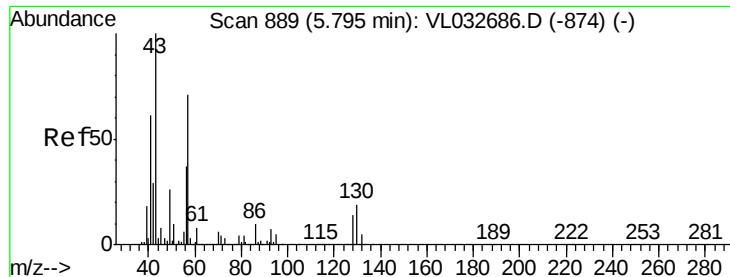


#19

Isopropyl Alcohol
Concen: 3.620 ppbv
RT: 4.04 min Scan# 342
Delta R.T. 0.00 min
Lab File: VL032734.D
Acq: 8 Nov 2018 2:18

Tgt Ion	45	Resp	336071
Ion Ratio	Lower	Upper	
45	100		
58	2.2	2.0	3.0





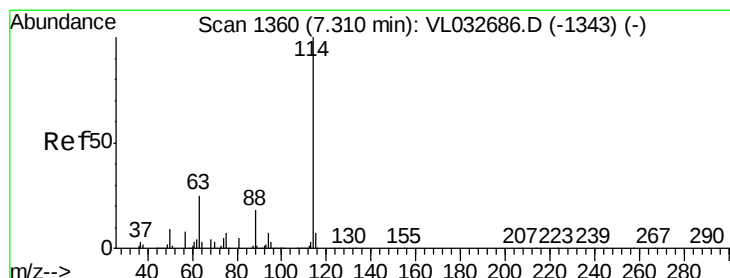
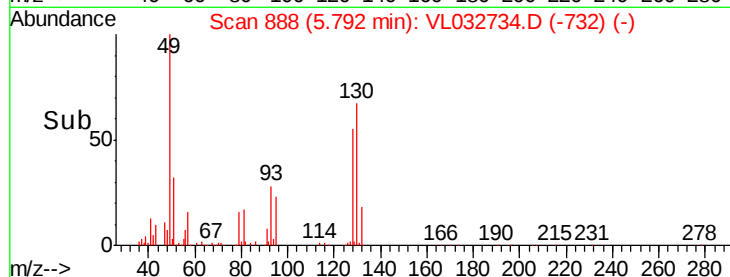
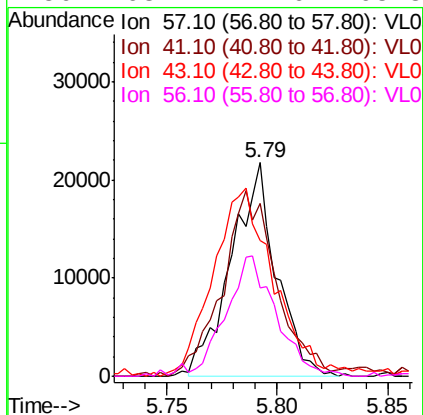
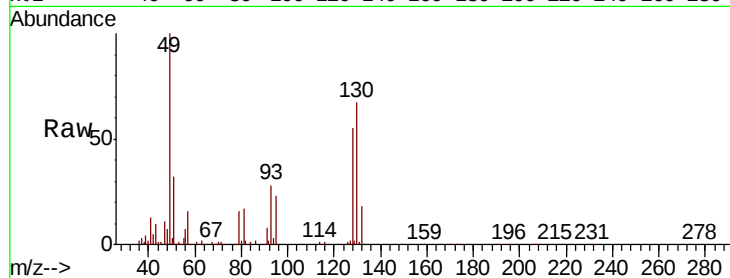
#26
Hexane
Concen: 0.219 ppbv
RT: 5.79 min Scan# 888
Delta R.T. -0.00 min
Lab File: VL032734.D
Acq: 8 Nov 2018 2:18

Instrument :
MSVOA_L
ClientSampleId :
SV-03DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	107.8	67.4	101.0#
43	116.3	171.9	257.9#
56	63.7	42.6	63.8

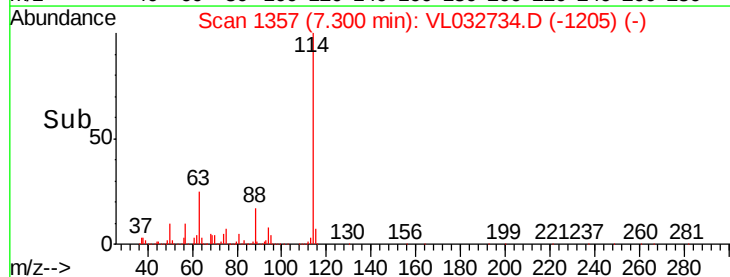
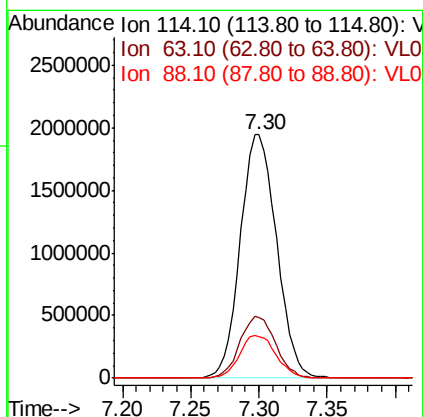
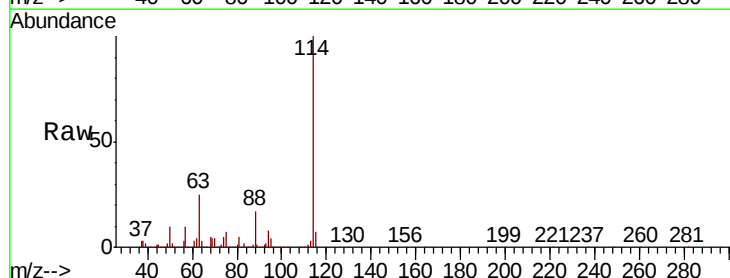
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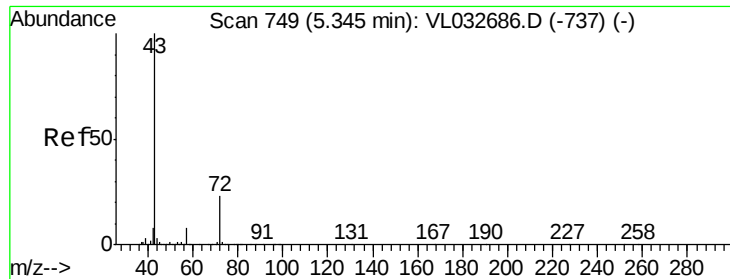
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VL032734.D
Acq: 8 Nov 2018 2:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.2	21.7	32.5
88	17.8	14.9	22.3





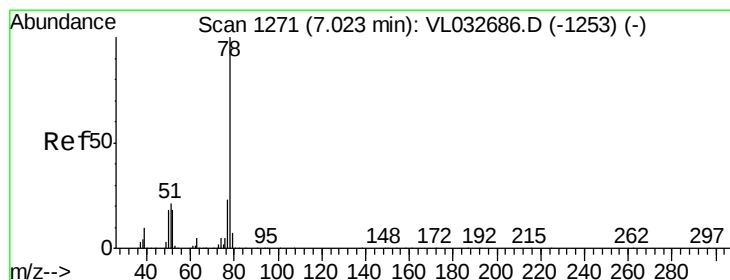
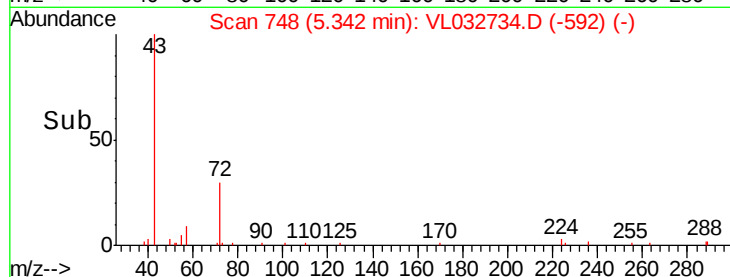
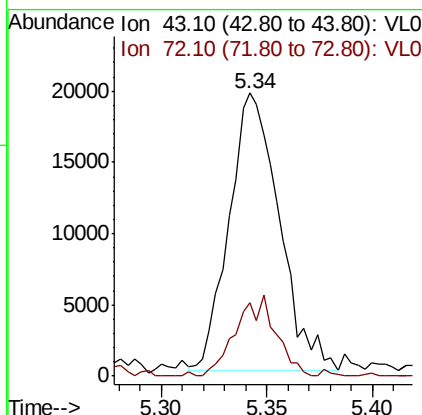
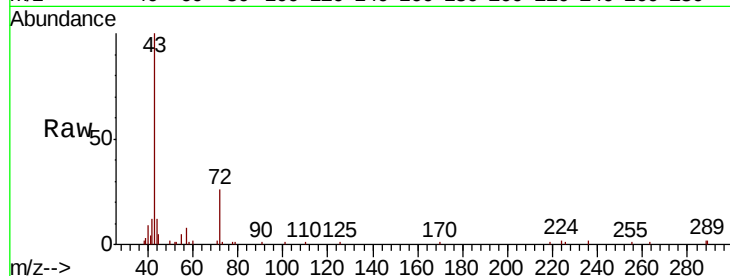
#34
2-Butanone
Concen: 0.168 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.00 min
Lab File: VL032734.D
Acq: 8 Nov 2018 2:18

Instrument :
MSVOA_L
ClientSampleId :
SV-03DL

Tot Ion	Ratio	Lower	Upper
43	100		
72	24.0	18.6	27.8

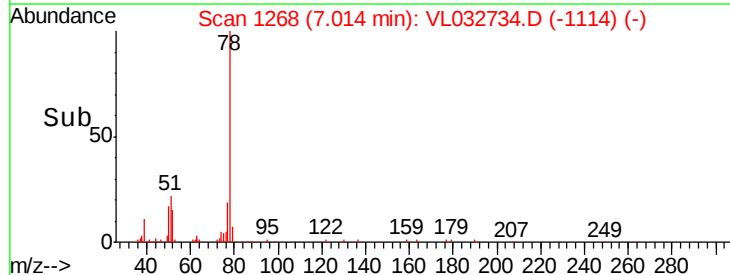
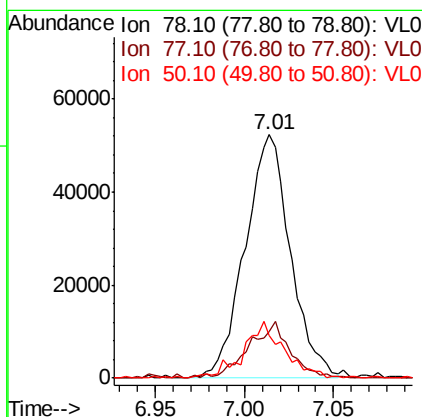
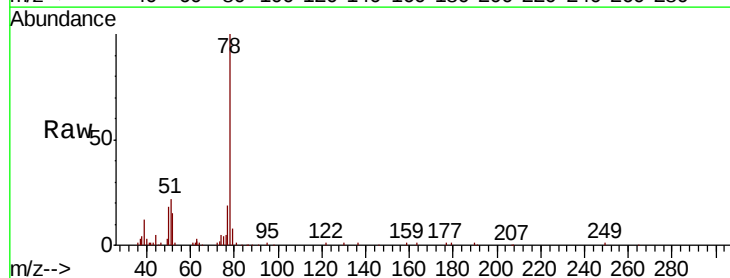
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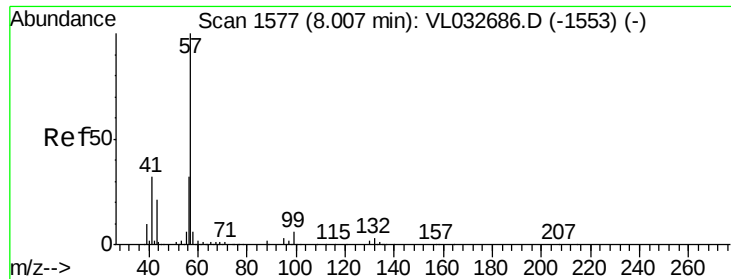
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#36
Benzene
Concen: 0.319 ppbv
RT: 7.01 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VL032734.D
Acq: 8 Nov 2018 2:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	18.5	18.1	27.1
50	17.6	15.1	22.7





#44

2,2,4-Trimethylpentane

Concen: 0.220 ppbv

RT: 8.00 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VL032734.D

Acq: 8 Nov 2018 2:18

Instrument :

MSVOA_L

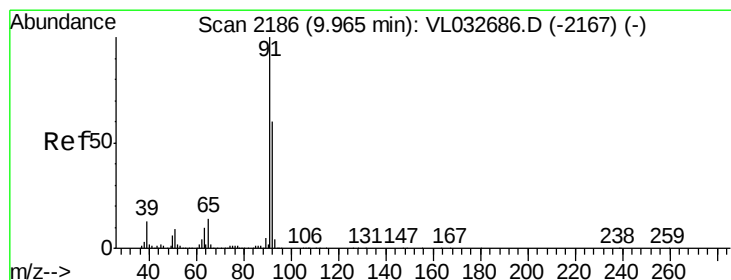
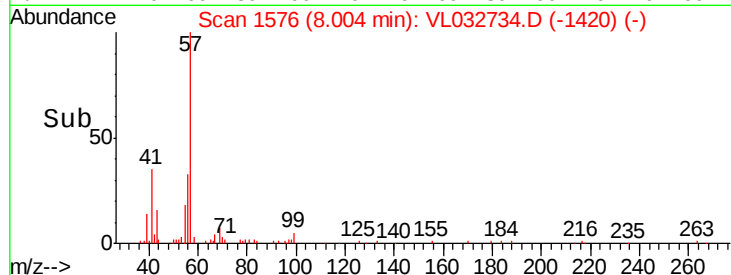
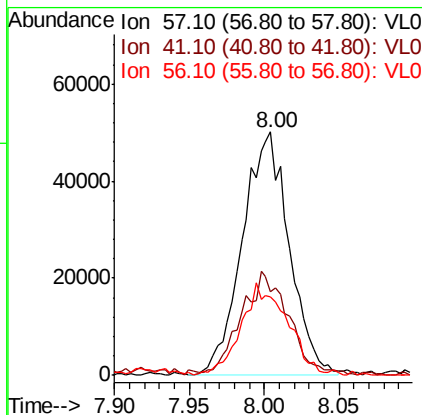
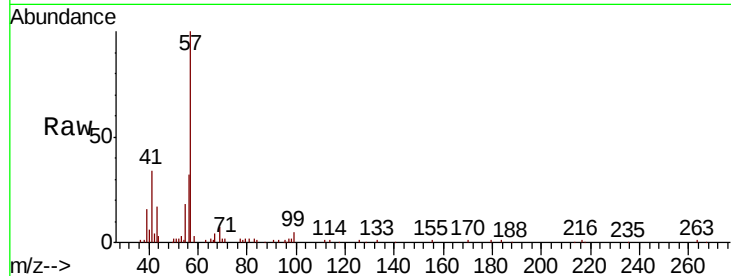
ClientSampleId :

SV-03DL

Tot Ion:	57	Resp:	109346
Ion Ratio	Lower	Upper	
57	100		
41	43.4	24.7	37.1#
56	37.6	25.0	37.4#

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#53

Toluene

Concen: 2.062 ppbv

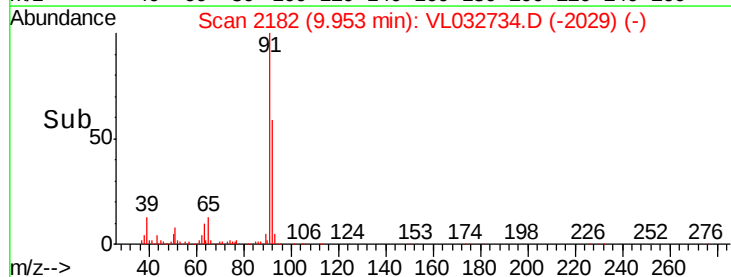
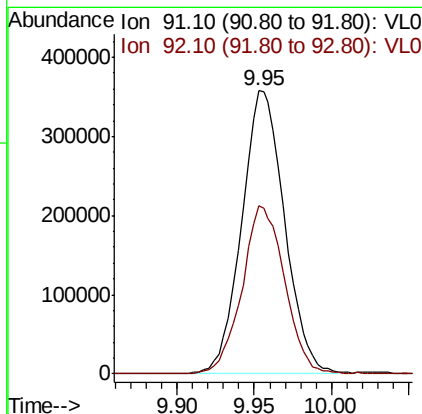
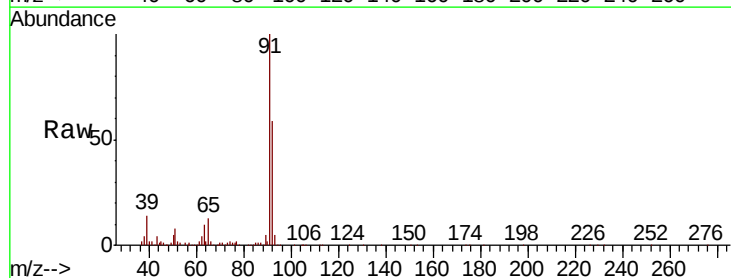
RT: 9.95 min Scan# 2182

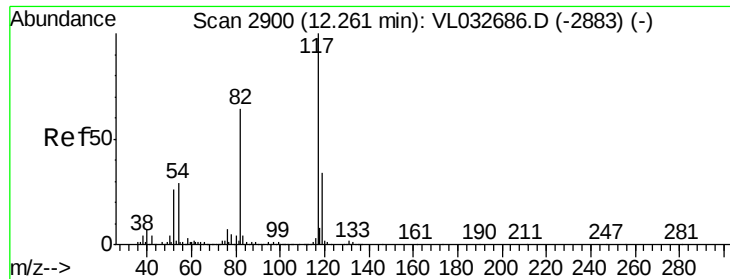
Delta R.T. -0.01 min

Lab File: VL032734.D

Acq: 8 Nov 2018 2:18

Tgt Ion:	91	Resp:	689047
Ion Ratio	Lower	Upper	
91	100		
92	59.3	48.4	72.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2896

Delta R.T. -0.01 min

Lab File: VL032734.D

Acq: 8 Nov 2018 2:18

Instrument :

MSVOA_L

ClientSampleId :

SV-03DL

Tot Ion:117 Resp: 3532360

Ion Ratio Lower Upper

117 100

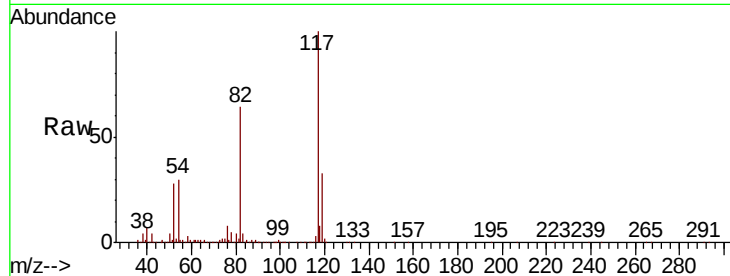
82 63.6 52.7 79.1

119 32.5 26.7 40.1

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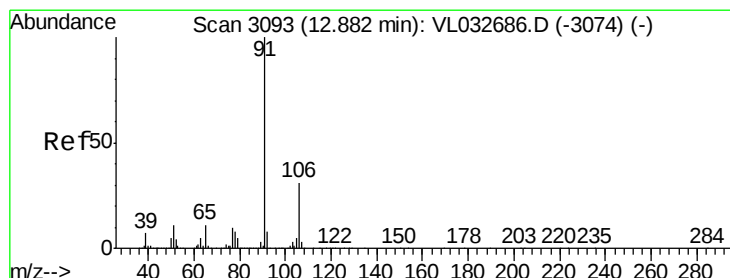
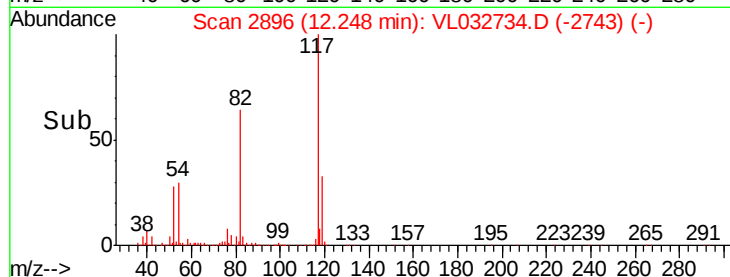
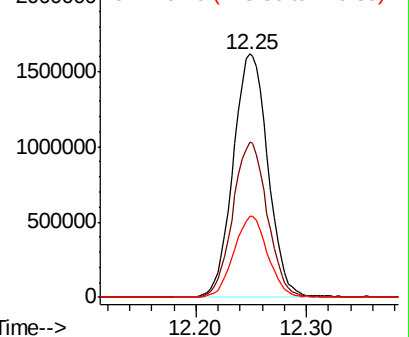
11/12/2018 12:30:23 PM



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



#58

Ethyl Benzene

Concen: 0.136 ppbv m

RT: 12.87 min Scan# 3090

Delta R.T. -0.01 min

Lab File: VL032734.D

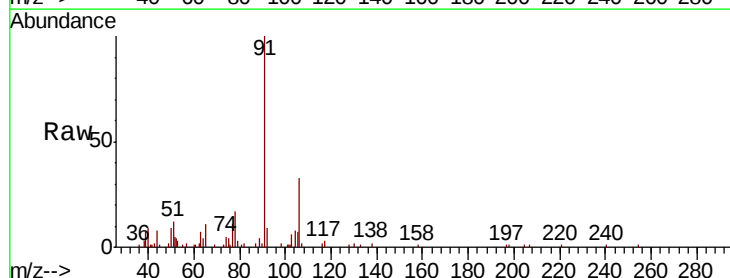
Acq: 8 Nov 2018 2:18

Tgt Ion: 91 Resp: 55627

Ion Ratio Lower Upper

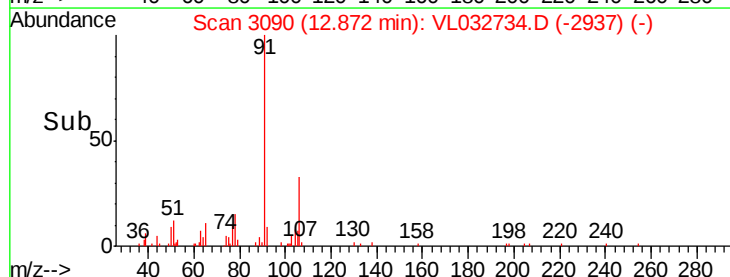
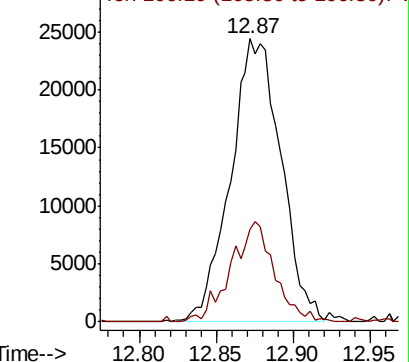
91 100

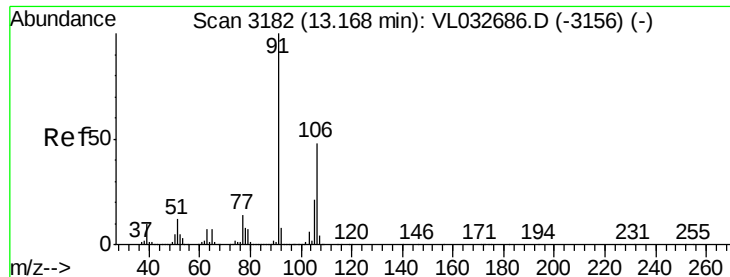
106 32.7 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





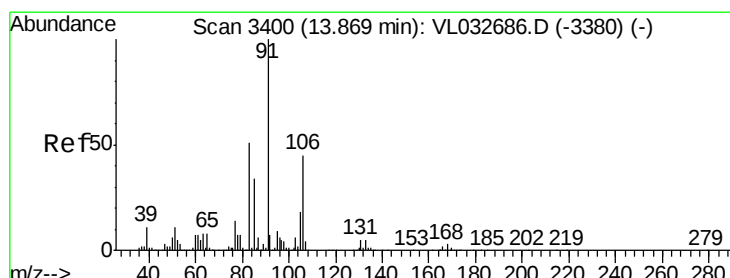
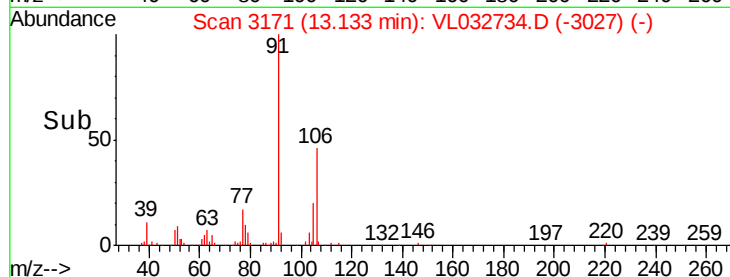
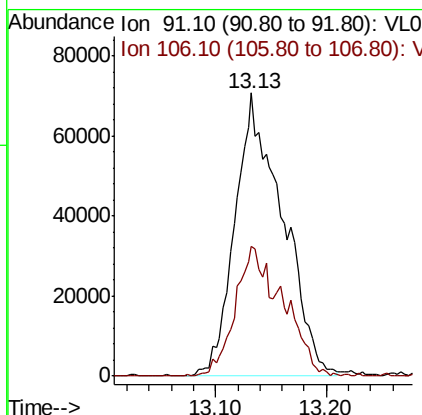
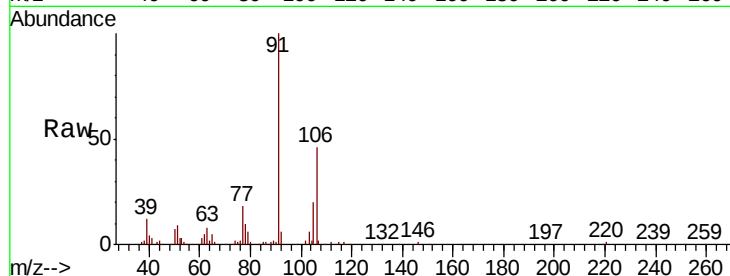
#59
m/p-Xylene
Concen: 0.575 ppbv m
RT: 13.13 min Scan# 3171
Delta R.T. -0.04 min
Lab File: VL032734.D
Acq: 8 Nov 2018 2:18

Instrument :
MSVOA_L
ClientSampled :
SV-03DL

Tot Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.9	53.9#

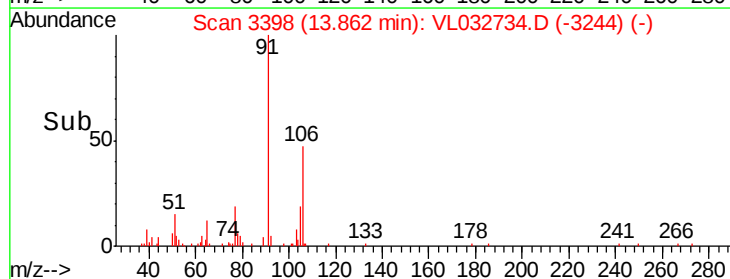
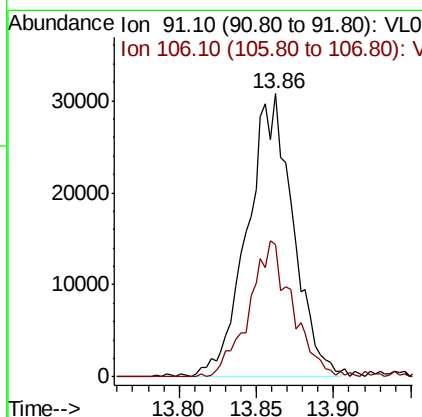
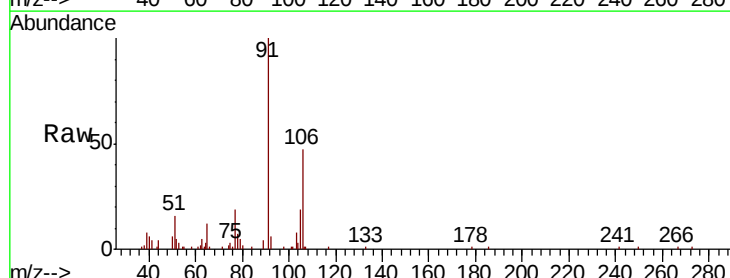
Manual Integrations
APPROVED

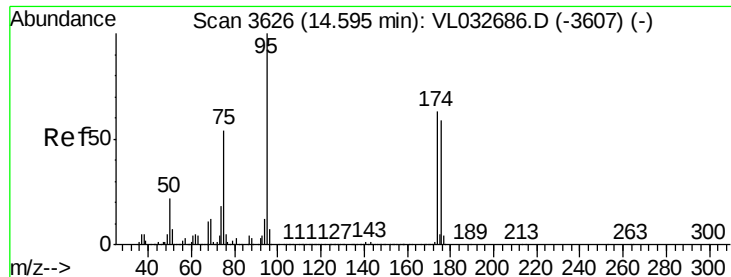
MMDadoda
11/12/2018 12:30:23 PM



#60
o-Xylene
Concen: 0.179 ppbv m
RT: 13.86 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL032734.D
Acq: 8 Nov 2018 2:18

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	22.1	66.1#





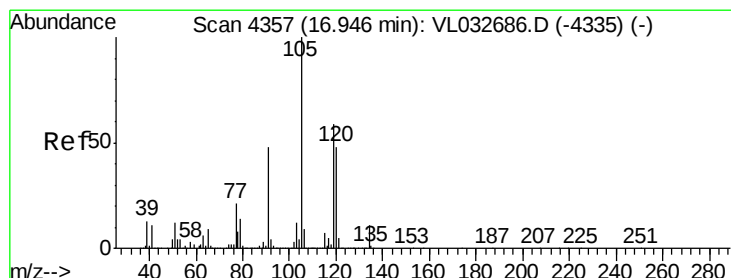
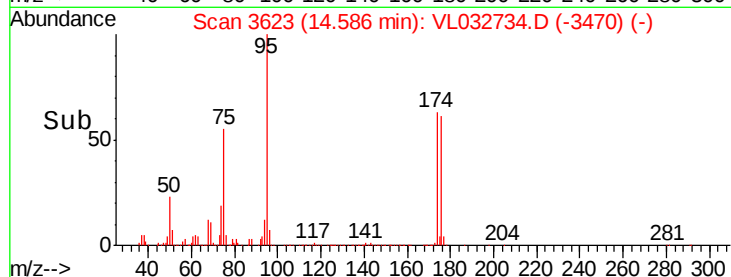
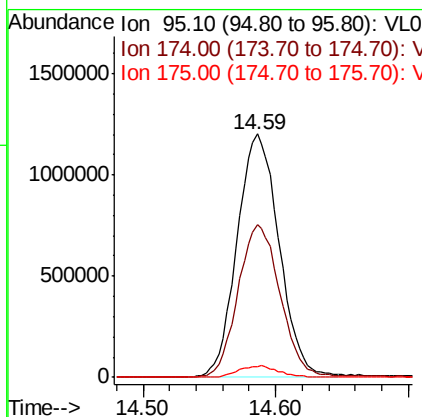
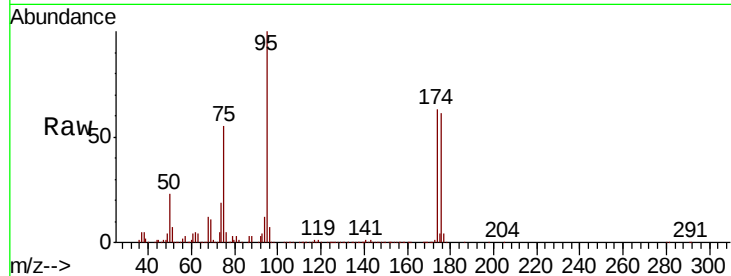
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.043 ppbv
 RT: 14.59 min Scan# 3623
 Delta R.T. -0.01 min
 Lab File: VL032734.D
 Acq: 8 Nov 2018 2:18

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-03DL

Tot Ion: 95 Resp: 2641365
 Ion Ratio Lower Upper
 95 100
 174 64.2 46.0 69.0
 175 4.7 3.4 5.0

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 12:30:23 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.111 ppbv m
 RT: 16.94 min Scan# 4355
 Delta R.T. -0.01 min
 Lab File: VL032734.D
 Acq: 8 Nov 2018 2:18

Tgt Ion: 105 Resp: 43313
 Ion Ratio Lower Upper
 105 100
 120 31.5 35.8 53.8#
 91 12.3 33.2 49.8#
 77 7.4 16.2 24.4#

