

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090518\
 Data File : VL032476.D
 Acq On : 6 Sep 2018 4:29
 Operator : SY/AP
 Sample : J4745-03DL 20X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-01DL

Manual Integrations
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 9/7/2018 10:46:11 AM

Quant Time: Sep 07 08:56:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 31 21:33:46 2018
 QLast Update : Fri Aug 31 21:33:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1490197	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3012457	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.29	117	2886516	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.63	95	2198335	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.06	41	407421	7.49	ppbv	96
13) Ethanol	3.68	45	127117	7.49	ppbv	99
15) Acetone	3.93	43	1120157	8.35	ppbv	95
17) tert-Butyl alcohol	4.40	59	178288	8.63	ppbv #	100
26) Hexane	5.82	57	57165	0.40	ppbv #	40
27) Carbon Disulfide	4.66	76	17395	0.13	ppbv #	57
34) 2-Butanone	5.37	43	286995	1.43	ppbv	99
36) Benzene	7.05	78	79425	0.31	ppbv	97
51) 2-Hexanone	10.33	43	53384m	0.27	ppbv	
52) Tetrachloroethene	11.42	164	15718m	0.20	ppbv	
53) Toluene	9.99	91	219770	0.82	ppbv	99
58) Ethyl Benzene	12.91	91	76715m	0.22	ppbv	
59) m/p-Xylene	13.17	91	237002m	0.77	ppbv	
60) o-Xylene	13.90	91	70607	0.23	ppbv	92
74) 1,2,4-Trimethylbenzene	16.97	105	115407	0.32	ppbv #	65

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

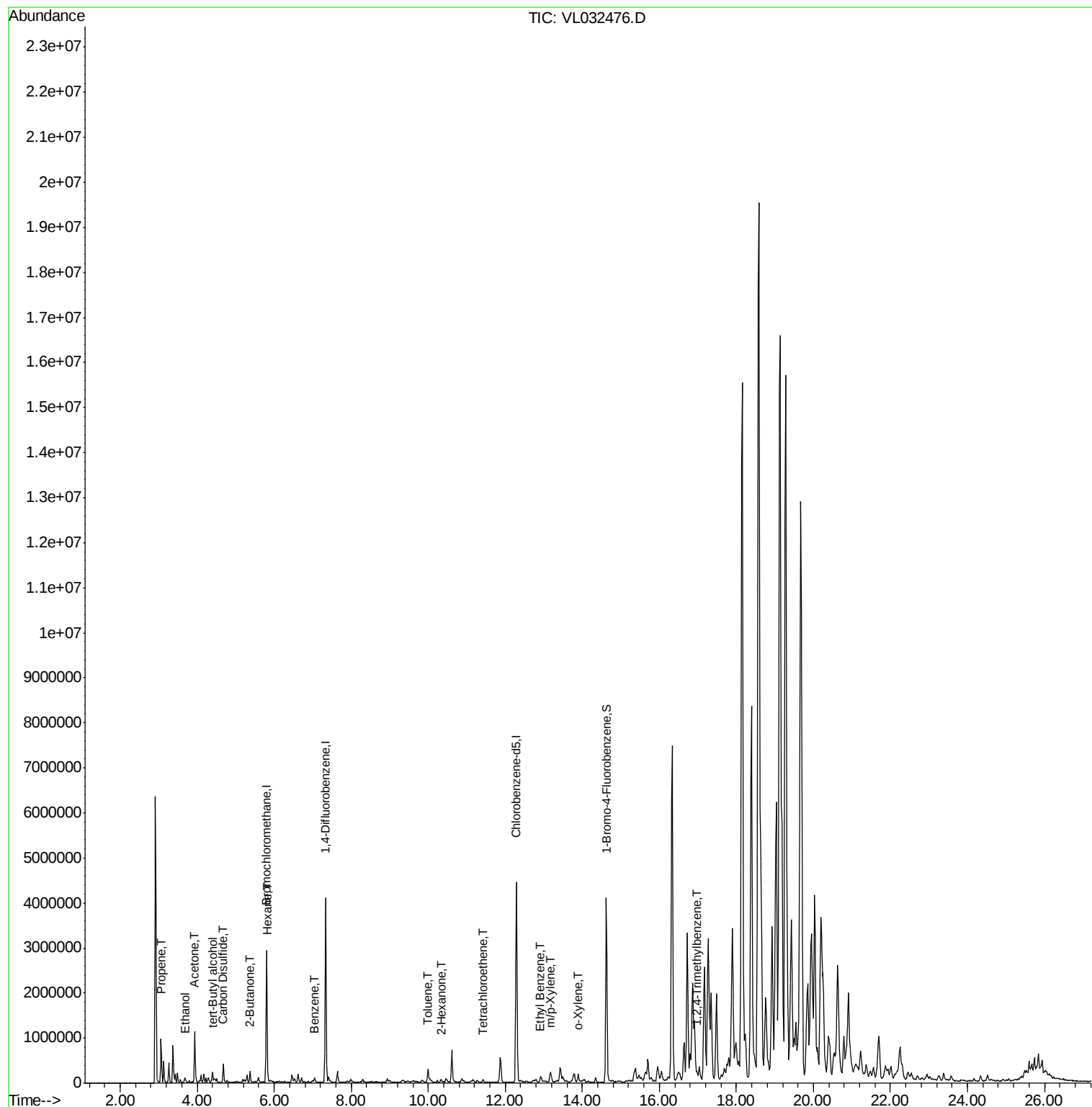
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL090518\
Data File : VL032476.D
Acq On : 6 Sep 2018 4:29
Operator : SY/AP
Sample : J4745-03DL 20X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

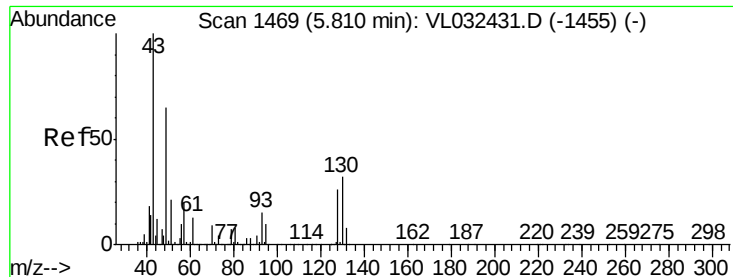
Instrument :
MSVOA_L
ClientSampleId :
VP-01DL

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Quant Time: Sep 07 08:56:36 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.80 min Scan# 1466

Delta R.T. -0.01 min

Lab File: VL032476.D

Acq: 6 Sep 2018 4:29

Instrument :

MSVOA_L

ClientSampleId :

VP-01DL

Tot Ion: 49 Resp: 1490197

Ion Ratio Lower Upper

49 100

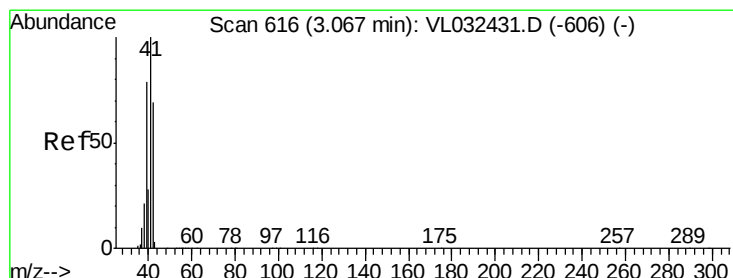
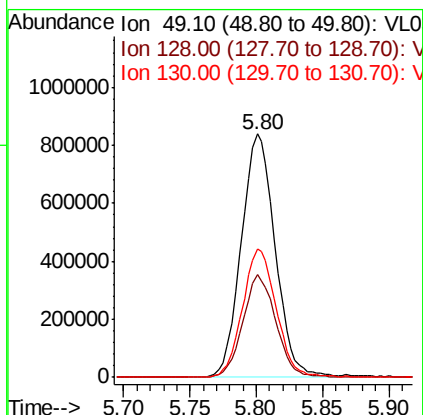
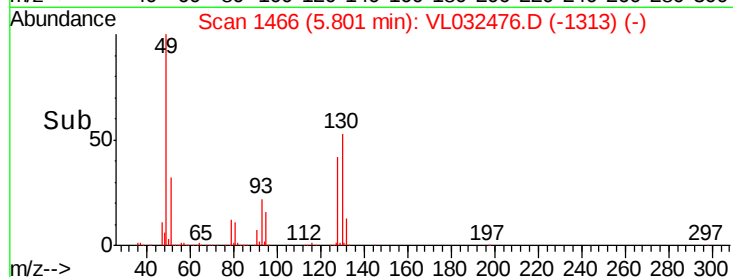
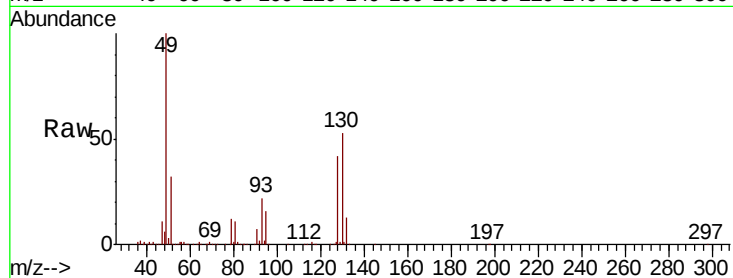
128 41.5 20.7 62.1

130 52.8 26.6 79.7

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#9

Propene

Concen: 7.49 ppbv

RT: 3.06 min Scan# 615

Delta R.T. -0.00 min

Lab File: VL032476.D

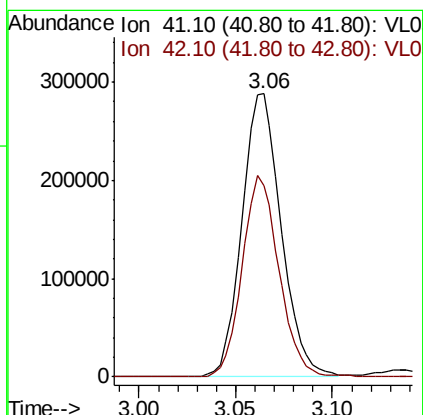
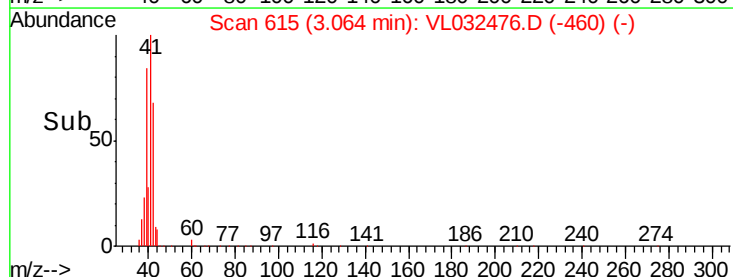
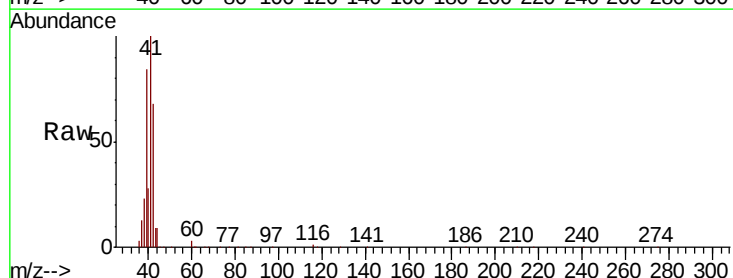
Acq: 6 Sep 2018 4:29

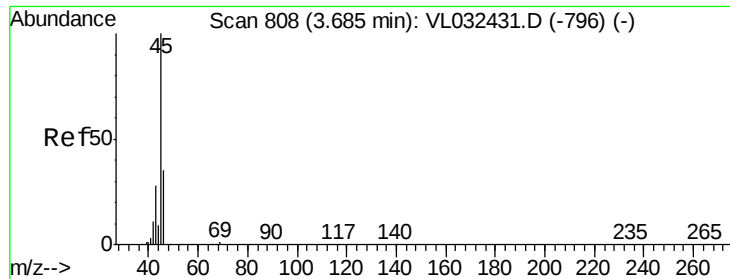
Tgt Ion: 41 Resp: 407421

Ion Ratio Lower Upper

41 100

42 67.1 56.6 84.8





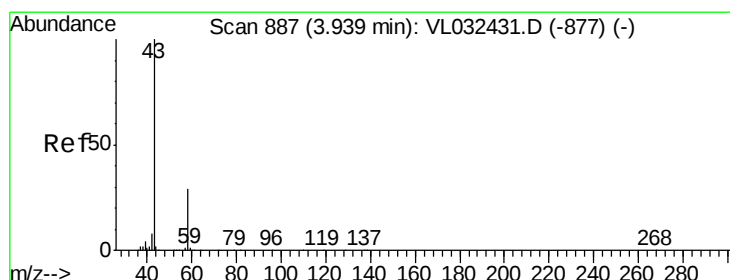
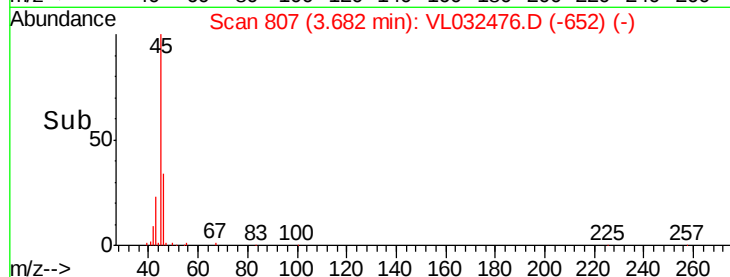
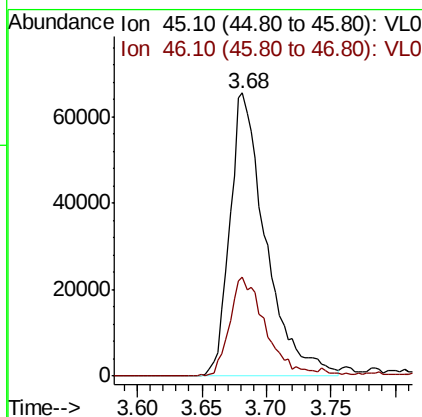
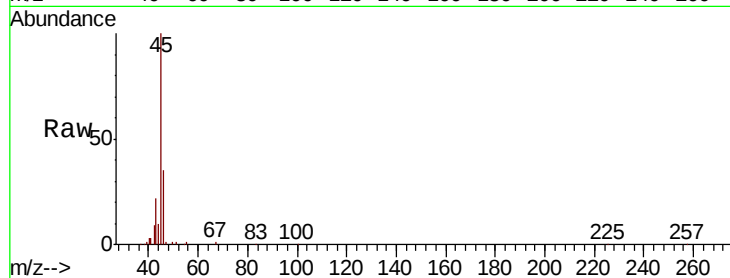
#13
Ethanol
Concen: 7.49 ppbv
RT: 3.68 min Scan# 807
Delta R.T. -0.00 min
Lab File: VL032476.D
Acq: 6 Sep 2018 4:29

Instrument :
MSVOA_L
ClientSampled :
VP-01DL

Tot Ion	Ratio	Lower	Upper
45	100		
46	35.8	14.2	56.8

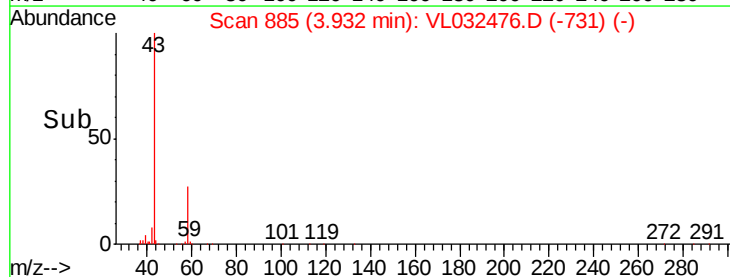
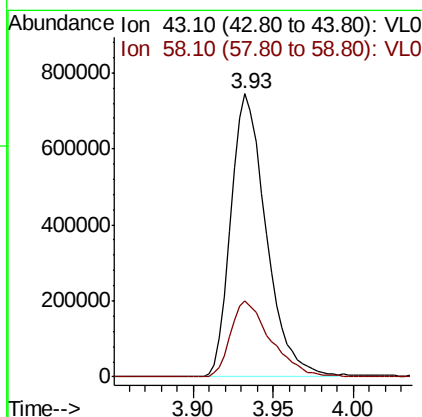
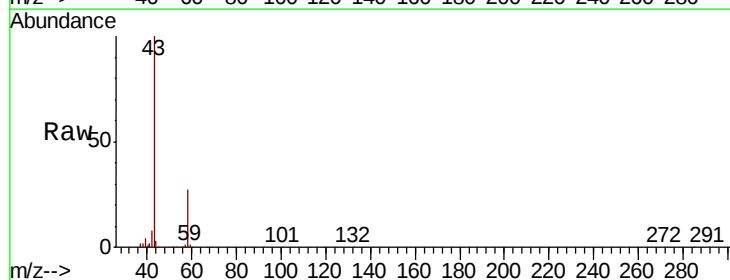
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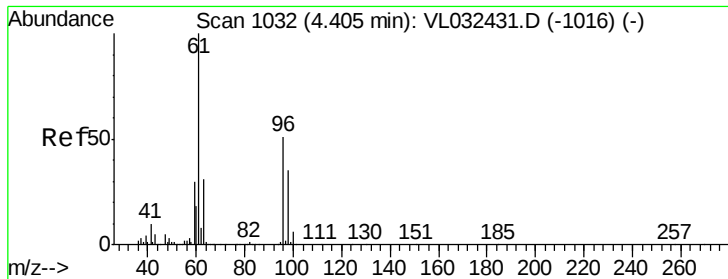
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#15
Acetone
Concen: 8.35 ppbv
RT: 3.93 min Scan# 885
Delta R.T. -0.01 min
Lab File: VL032476.D
Acq: 6 Sep 2018 4:29

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.1	22.6	33.8





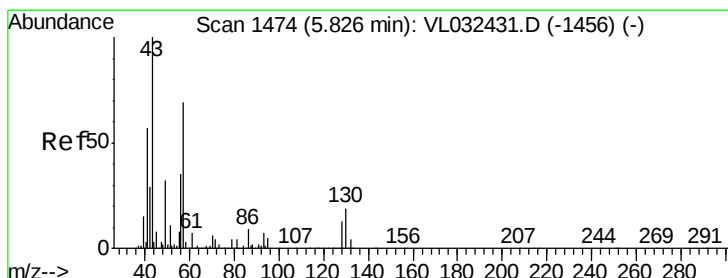
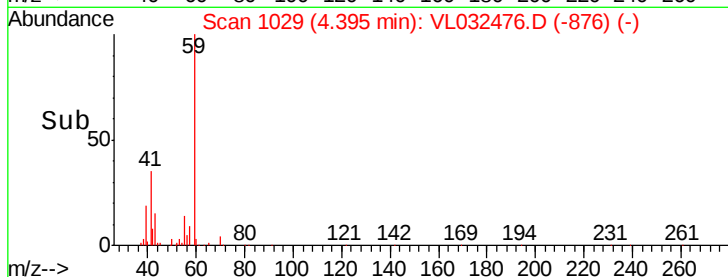
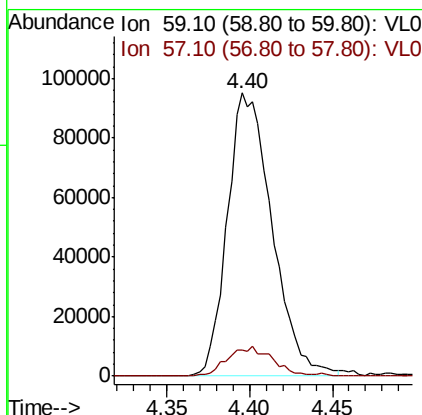
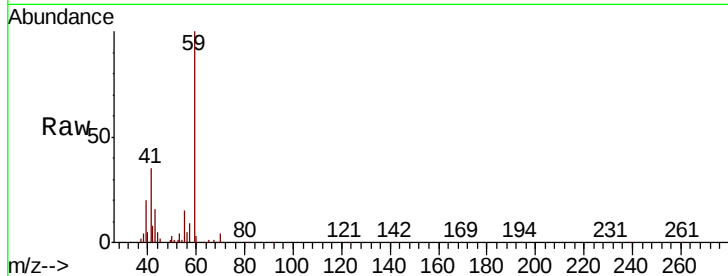
#17
 tert-Butyl alcohol
 Concen: 8.63 ppbv
 RT: 4.40 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VL032476.D
 Acq: 6 Sep 2018 4:29

Instrument :
 MSVOA_L
 ClientSampled :
 VP-01DL

Tot Ion: 59 Resp: 178288
 Ion Ratio Lower Upper
 59 100
 57 11.0 0.0 0.0#

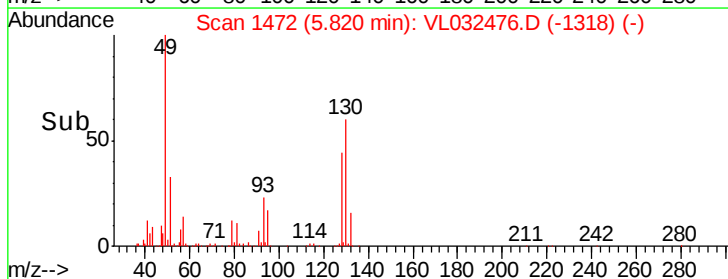
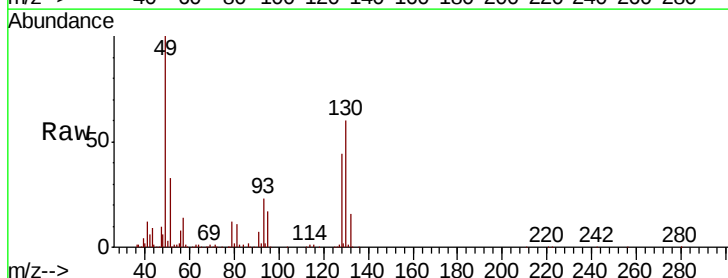
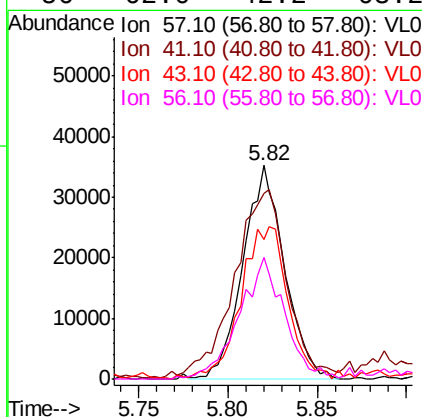
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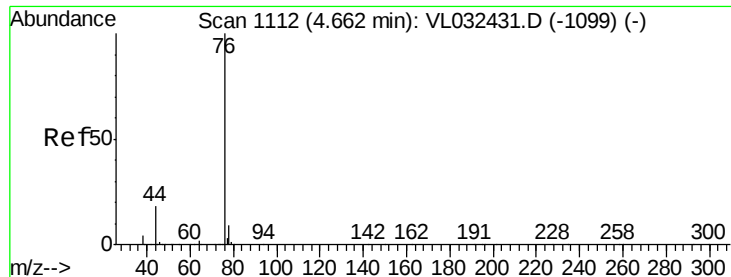
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#26
 Hexane
 Concen: 0.40 ppbv
 RT: 5.82 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: VL032476.D
 Acq: 6 Sep 2018 4:29

Tgt Ion: 57 Resp: 57165
 Ion Ratio Lower Upper
 57 100
 41 110.4 69.0 103.4#
 43 81.0 172.1 258.1#
 56 62.0 42.2 63.2





#27

Carbon Disulfide

Concen: 0.13 ppbv

RT: 4.66 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VL032476.D

Acq: 6 Sep 2018 4:29

Instrument :

MSVOA_L

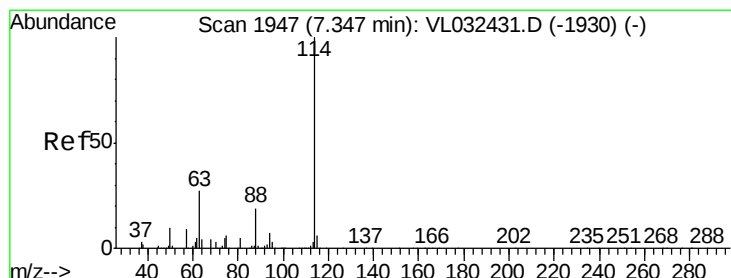
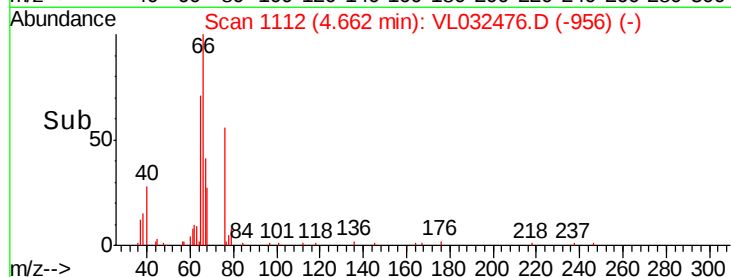
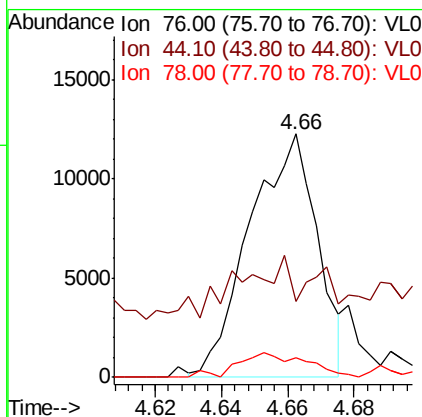
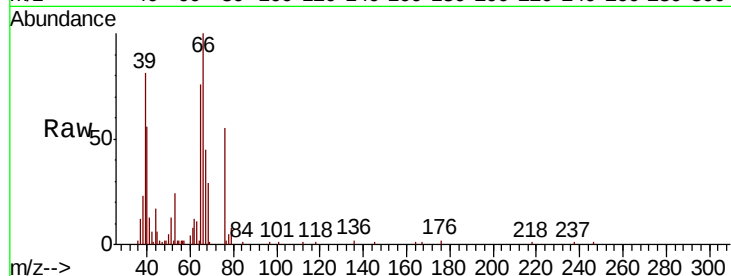
ClientSampleId :

VP-01DL

Tot Ion:	76	Resp:	17395
Ion	Ratio	Lower	Upper
76	100		
44	44.5	14.0	21.0#
78	12.1	7.5	11.3#

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#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

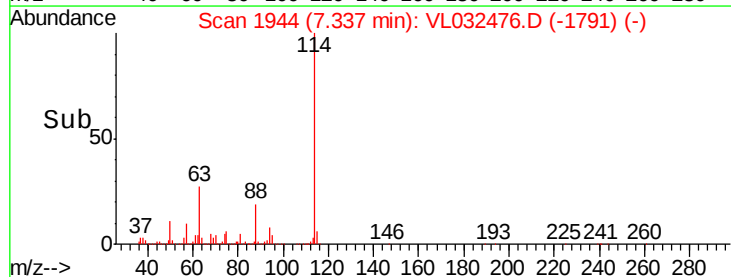
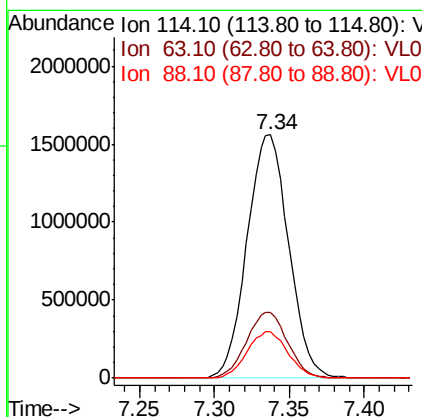
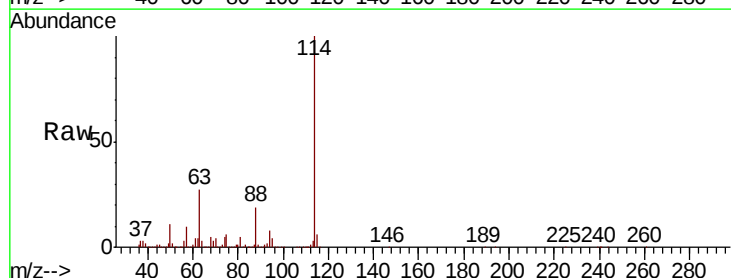
RT: 7.34 min Scan# 1944

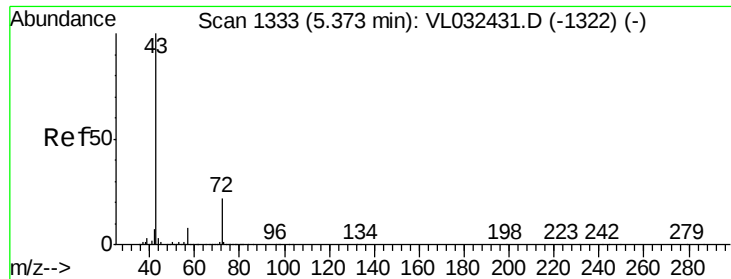
Delta R.T. -0.01 min

Lab File: VL032476.D

Acq: 6 Sep 2018 4:29

Tgt Ion:	114	Resp:	3012457
Ion	Ratio	Lower	Upper
114	100		
63	26.8	22.2	33.4
88	18.8	15.0	22.4





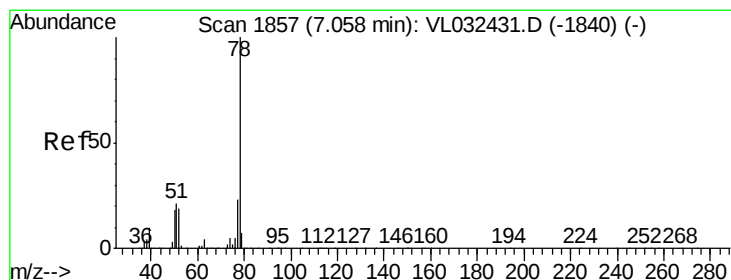
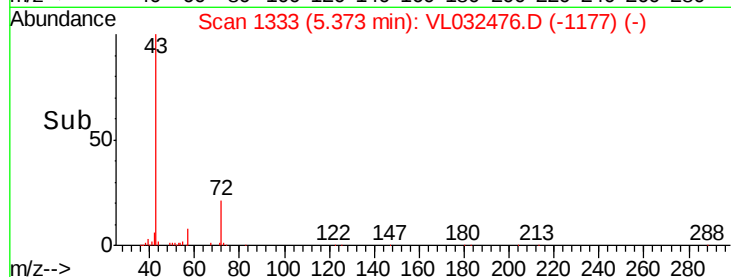
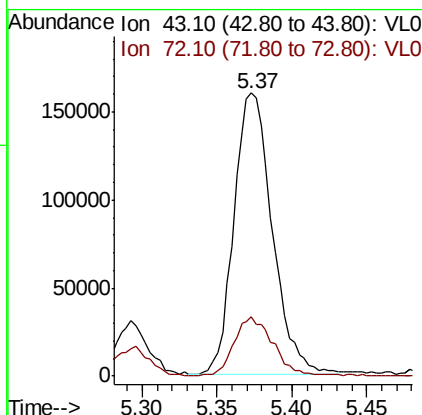
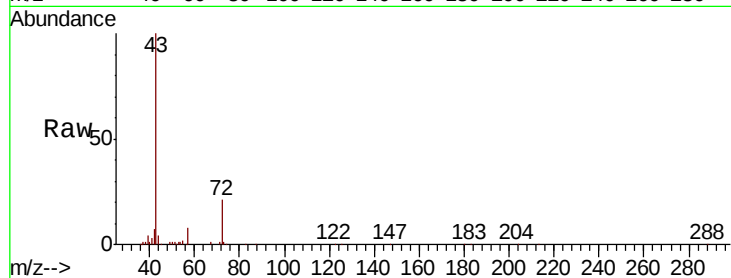
#34
2-Butanone
Concen: 1.43 ppbv
RT: 5.37 min Scan# 1333
Delta R.T. 0.00 min
Lab File: VL032476.D
Acq: 6 Sep 2018 4:29

Instrument :
MSVOA_L
ClientSampled :
VP-01DL

Tot Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.8	26.6

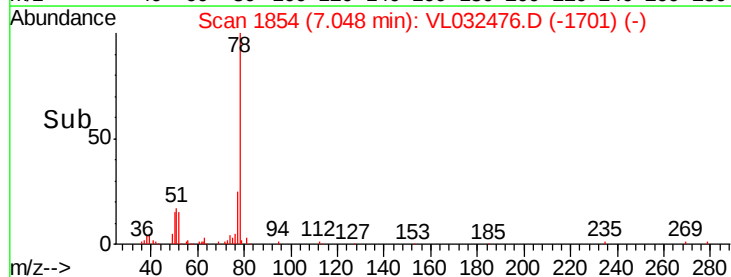
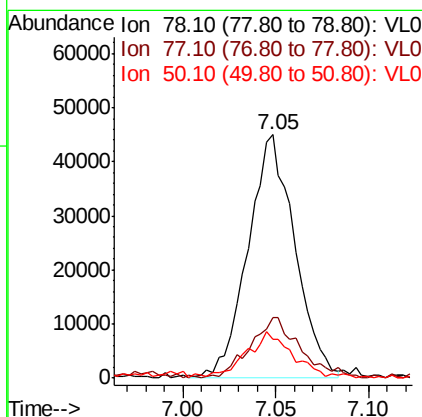
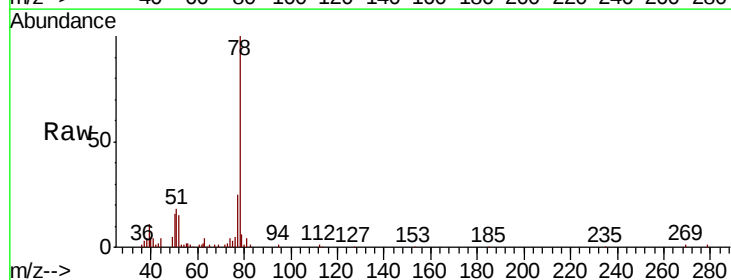
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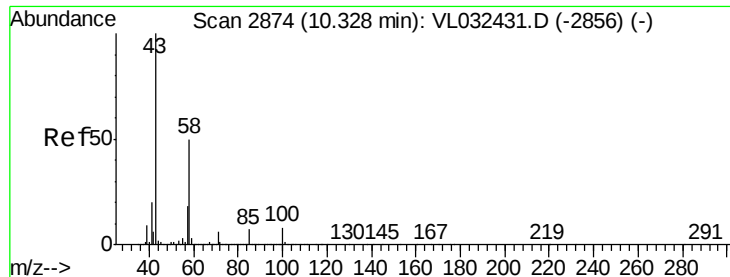
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#36
Benzene
Concen: 0.31 ppbv
RT: 7.05 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VL032476.D
Acq: 6 Sep 2018 4:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.4	27.6
50	16.1	14.4	21.6





#51

2-Hexanone

Concen: 0.27 ppbv m

RT: 10.33 min Scan# 2875

Delta R.T. 0.00 min

Lab File: VL032476.D

Acq: 6 Sep 2018 4:29

Instrument :

MSVOA_L

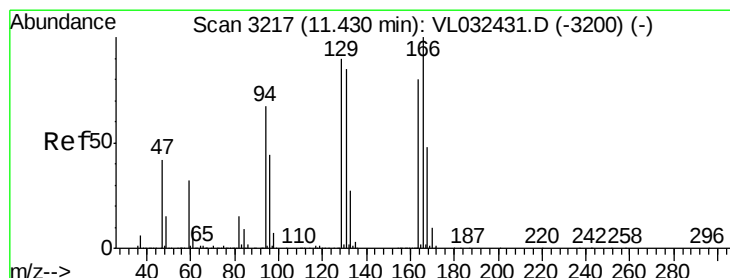
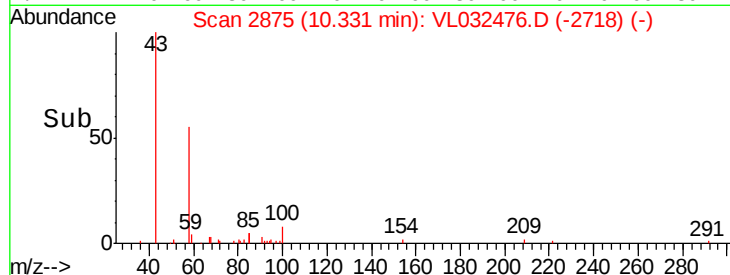
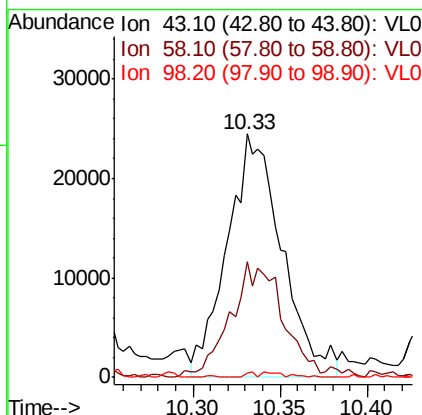
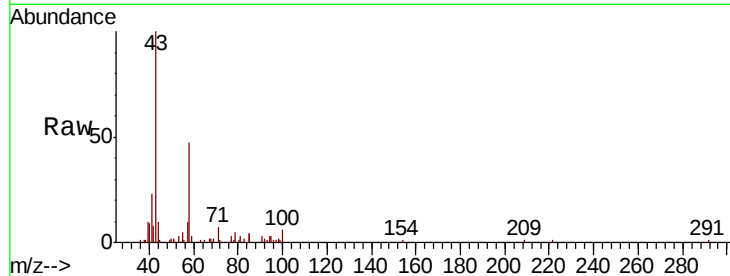
ClientSampleId :

VP-01DL

Tot Ion:	43	Resp:	53384
Ion Ratio	Lower	Upper	
43	100		
58	47.2	39.2	58.8
98	0.0	0.4	0.6#

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#52

Tetrachloroethene

Concen: 0.20 ppbv m

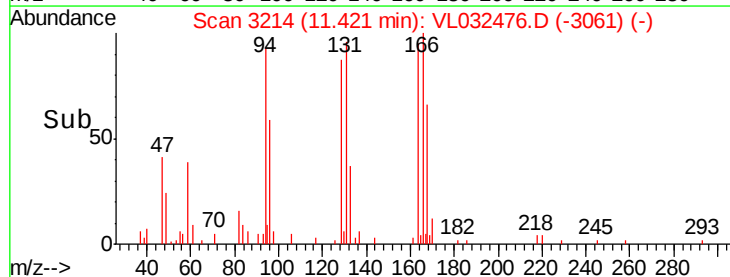
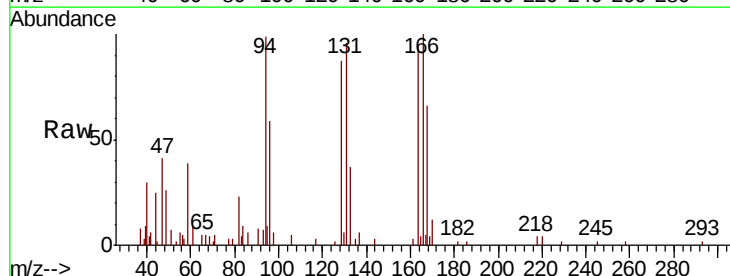
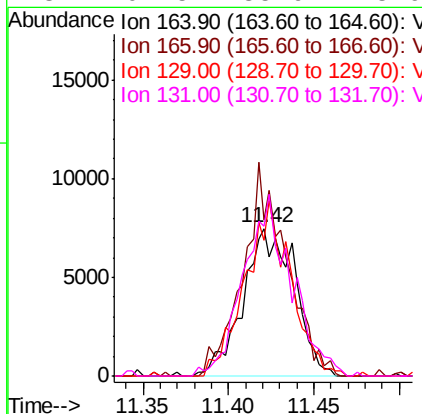
RT: 11.42 min Scan# 3214

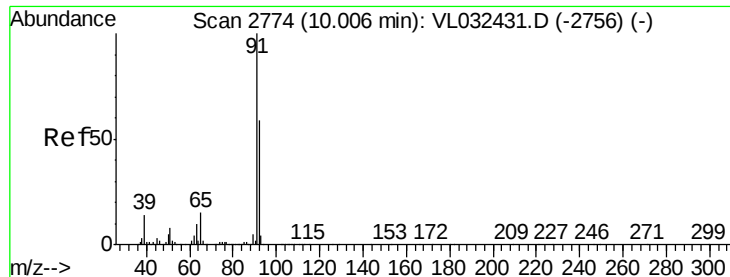
Delta R.T. -0.01 min

Lab File: VL032476.D

Acq: 6 Sep 2018 4:29

Tgt Ion:	164	Resp:	15718
Ion Ratio	Lower	Upper	
164	100		
166	105.7	100.6	150.8
129	91.9	89.9	134.9
131	101.5	85.9	128.9





#53

Toluene

Concen: 0.82 ppbv

RT: 9.99 min Scan# 2770

Delta R.T. -0.01 min

Lab File: VL032476.D

Acq: 6 Sep 2018 4:29

Instrument :

MSVOA_L

ClientSampleId :

VP-01DL

Tot Ion: 91 Resp: 219770

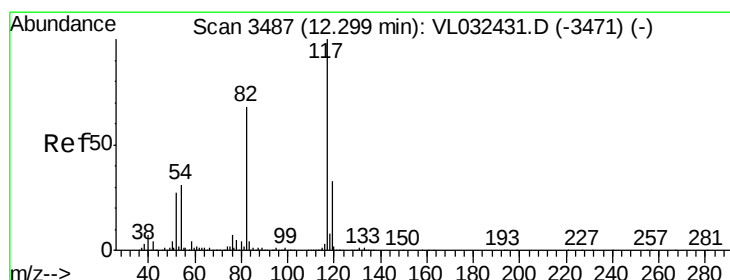
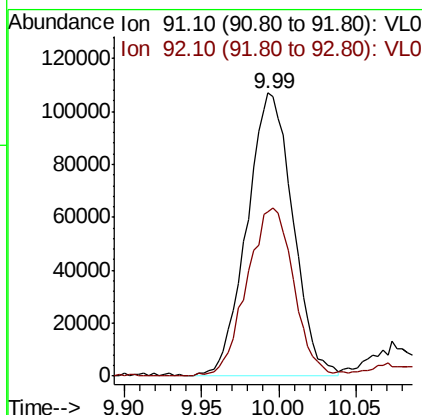
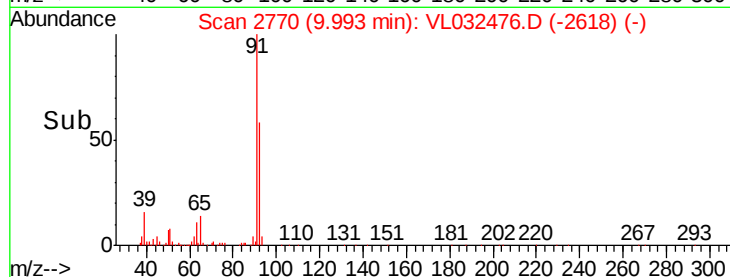
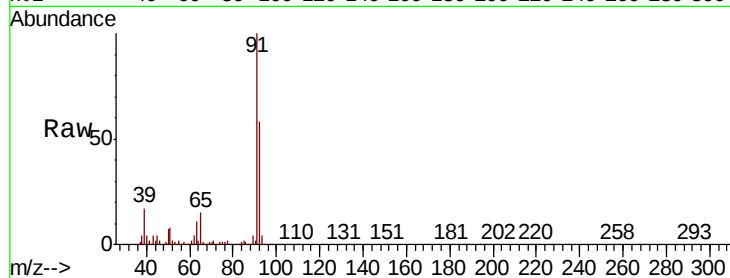
Ion Ratio Lower Upper

91 100

92 60.8 48.1 72.1

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#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.29 min Scan# 3484

Delta R.T. -0.01 min

Lab File: VL032476.D

Acq: 6 Sep 2018 4:29

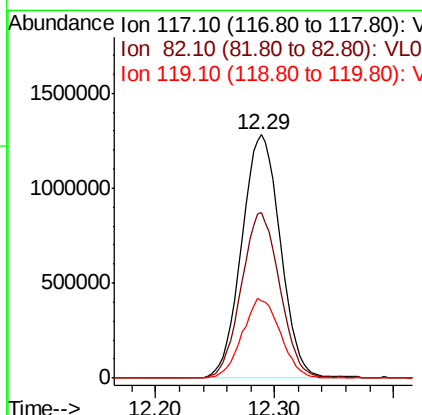
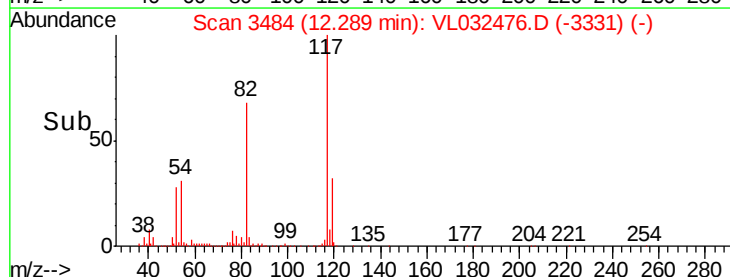
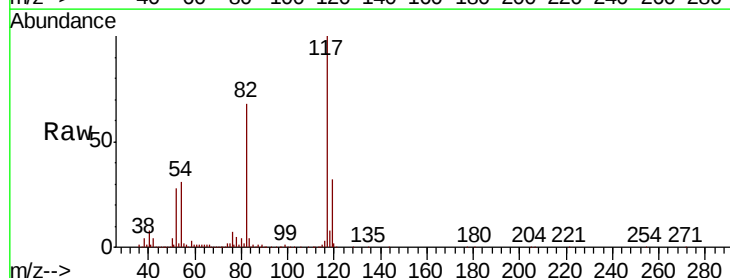
Tgt Ion: 117 Resp: 2886516

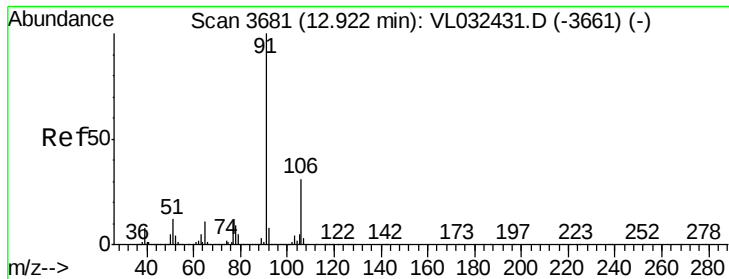
Ion Ratio Lower Upper

117 100

82 68.0 53.0 79.6

119 32.5 45.9 68.9#





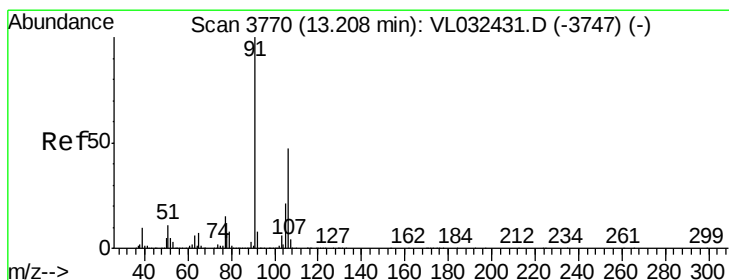
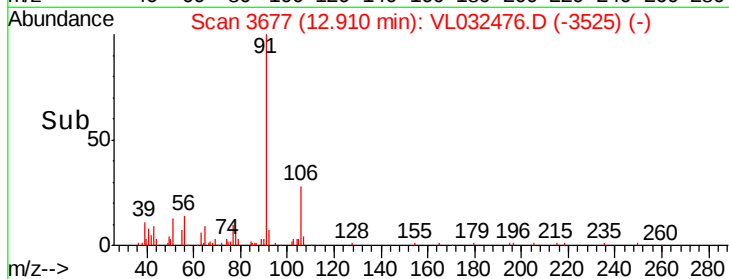
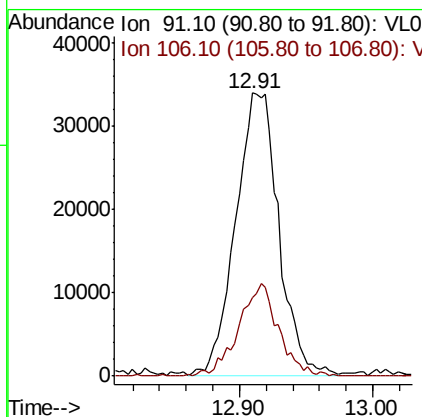
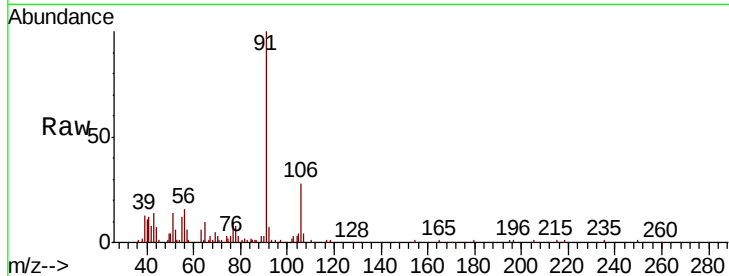
#58
Ethyl Benzene
Concen: 0.22 ppbv m
RT: 12.91 min Scan# 3677
Delta R.T. -0.01 min
Lab File: VL032476.D
Acq: 6 Sep 2018 4:29

Instrument :
MSVOA_L
ClientSampleId :
VP-01DL

Tot Ion: 91 Resp: 76715
Ion Ratio Lower Upper
91 100
106 28.0 24.8 37.2

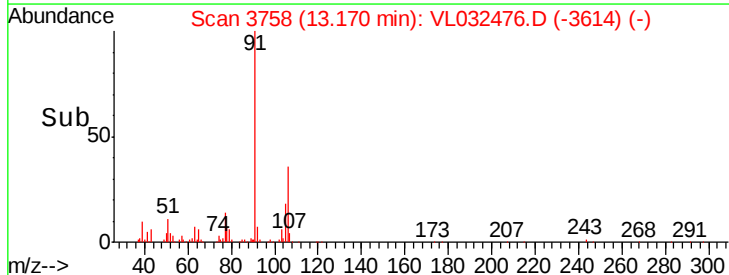
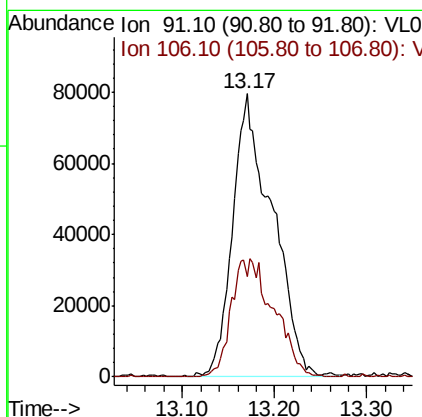
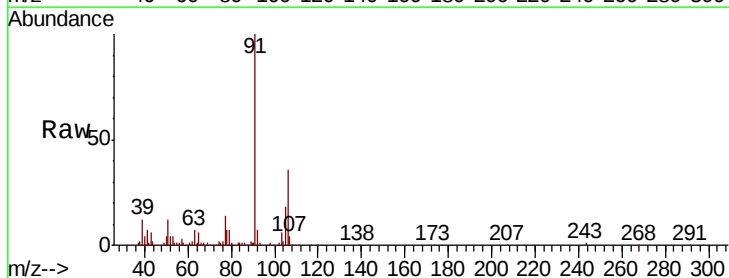
Manual Integrations
APPROVED

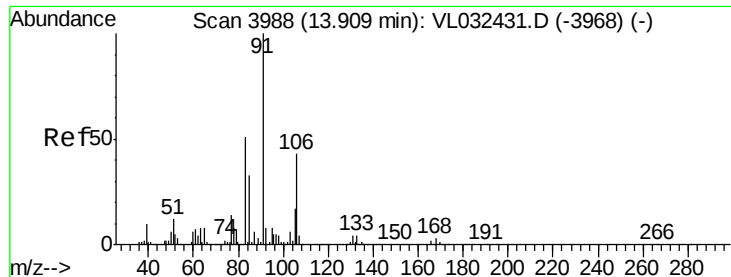
MMDadoda
9/7/2018 10:46:11 AM



#59
m/p-Xylene
Concen: 0.77 ppbv m
RT: 13.17 min Scan# 3758
Delta R.T. -0.04 min
Lab File: VL032476.D
Acq: 6 Sep 2018 4:29

Tgt Ion: 91 Resp: 237002
Ion Ratio Lower Upper
91 100
106 0.0 36.6 55.0#





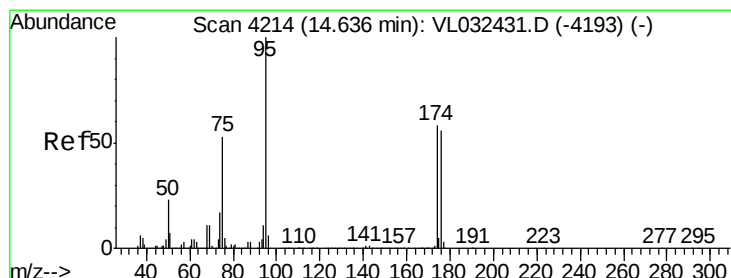
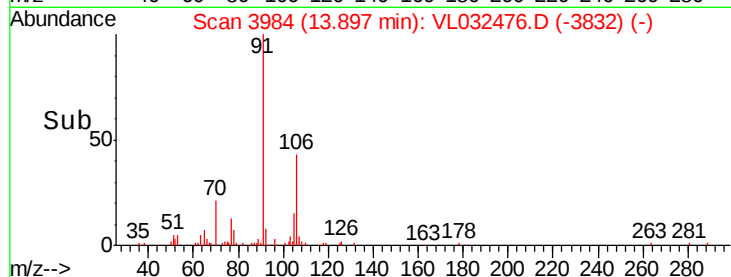
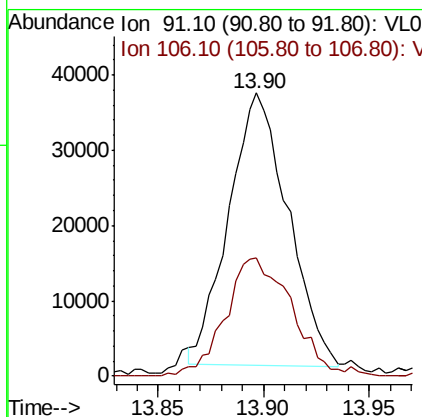
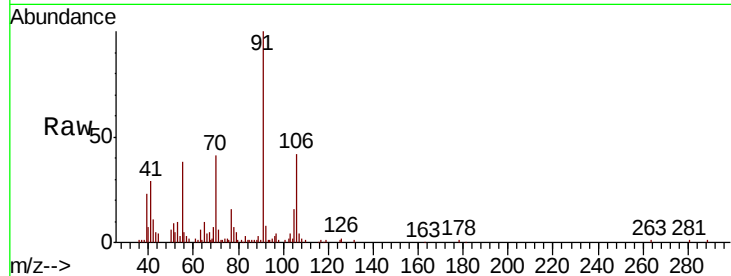
#60
o-Xylene
Concen: 0.23 ppbv
RT: 13.90 min Scan# 3984
Delta R.T. -0.01 min
Lab File: VL032476.D
Acq: 6 Sep 2018 4:29

Instrument :
MSVOA_L
ClientSampleId :
VP-01DL

Tot Ion: 91 Resp: 70607
Ion Ratio Lower Upper
91 100
106 48.7 21.9 65.7

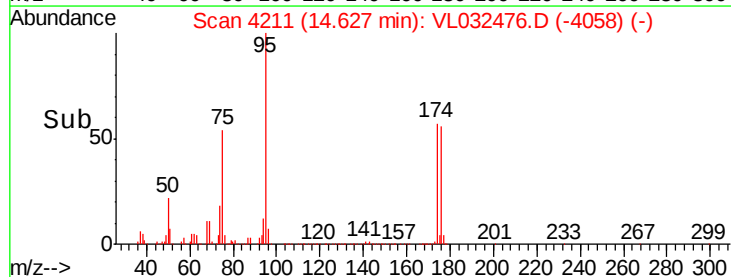
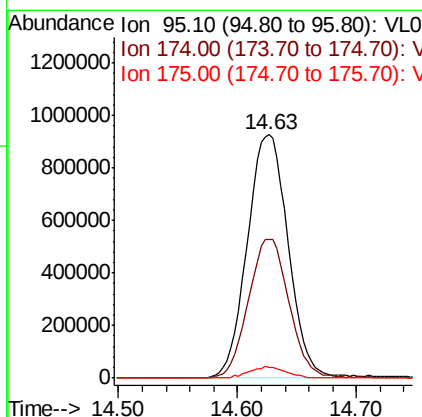
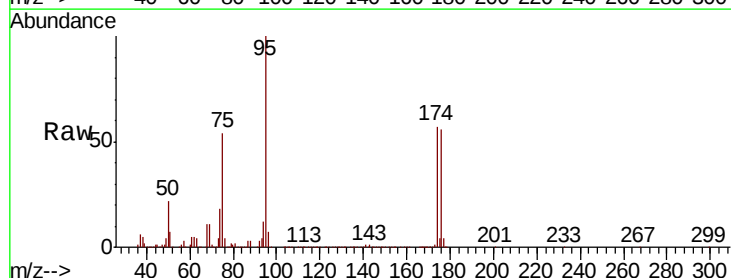
Manual Integrations
APPROVED

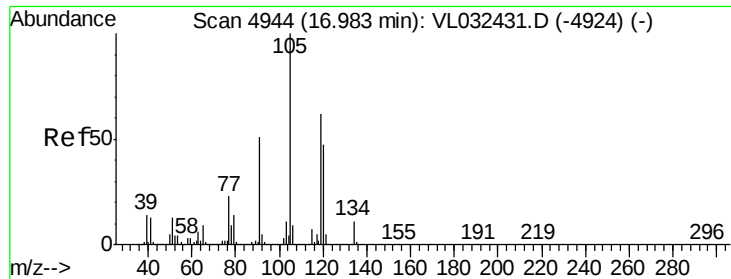
MMDadoda
9/7/2018 10:46:11 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.26 ppbv
RT: 14.63 min Scan# 4211
Delta R.T. -0.01 min
Lab File: VL032476.D
Acq: 6 Sep 2018 4:29

Tgt Ion: 95 Resp: 2198335
Ion Ratio Lower Upper
95 100
174 57.3 46.3 69.5
175 4.3 3.4 5.0





#74
 1,2,4-Trimethylbenzene
 Concen: 0.32 ppbv
 RT: 16.97 min Scan# 4941
 Delta R.T. -0.01 min
 Lab File: VL032476.D
 Acq: 6 Sep 2018 4:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-01DL

Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	38.7	37.8	56.8
91	10.3	41.4	62.0#
77	11.0	18.6	28.0#

Manual Integrations
 APPROVED

MMDadoda
 9/7/2018 10:46:11 AM

