

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090518\
 Data File : VL032463.D
 Acq On : 5 Sep 2018 18:52
 Operator : SY/AP
 Sample : J4805-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1DL

Manual Integrations
 APPROVED

MMDadoda
 9/7/2018 10:45:58 AM

Quant Time: Sep 07 08:48:18 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31

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	1628348	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3391568	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.29	117	3355166	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	3594965	14.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	144.30%#

Target Compounds

						Ovalue
9) Propene	3.06	41	272646	4.59	ppbv	89
10) Heptane	8.29	43	827805	3.88	ppbv	100
13) Ethanol	3.68	45	137852	7.44	ppbv	98
15) Acetone	3.94	43	467265	3.19	ppbv #	63
26) Hexane	5.82	57	1395624	9.00	ppbv #	45
27) Carbon Disulfide	4.66	76	25997	0.18	ppbv #	70
29) Chloroform	5.89	83	128515	0.54	ppbv	99
34) 2-Butanone	5.37	43	1409885	6.26	ppbv	100
36) Benzene	7.05	78	162823	0.56	ppbv	96
38) Trichloroethene	8.01	130	141821	1.29	ppbv	93
51) 2-Hexanone	10.32	43	336186	1.54	ppbv #	76
53) Toluene	10.00	91	183099	0.61	ppbv	98
79) Naphthalene	22.48	128	52737m	0.15	ppbv	

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

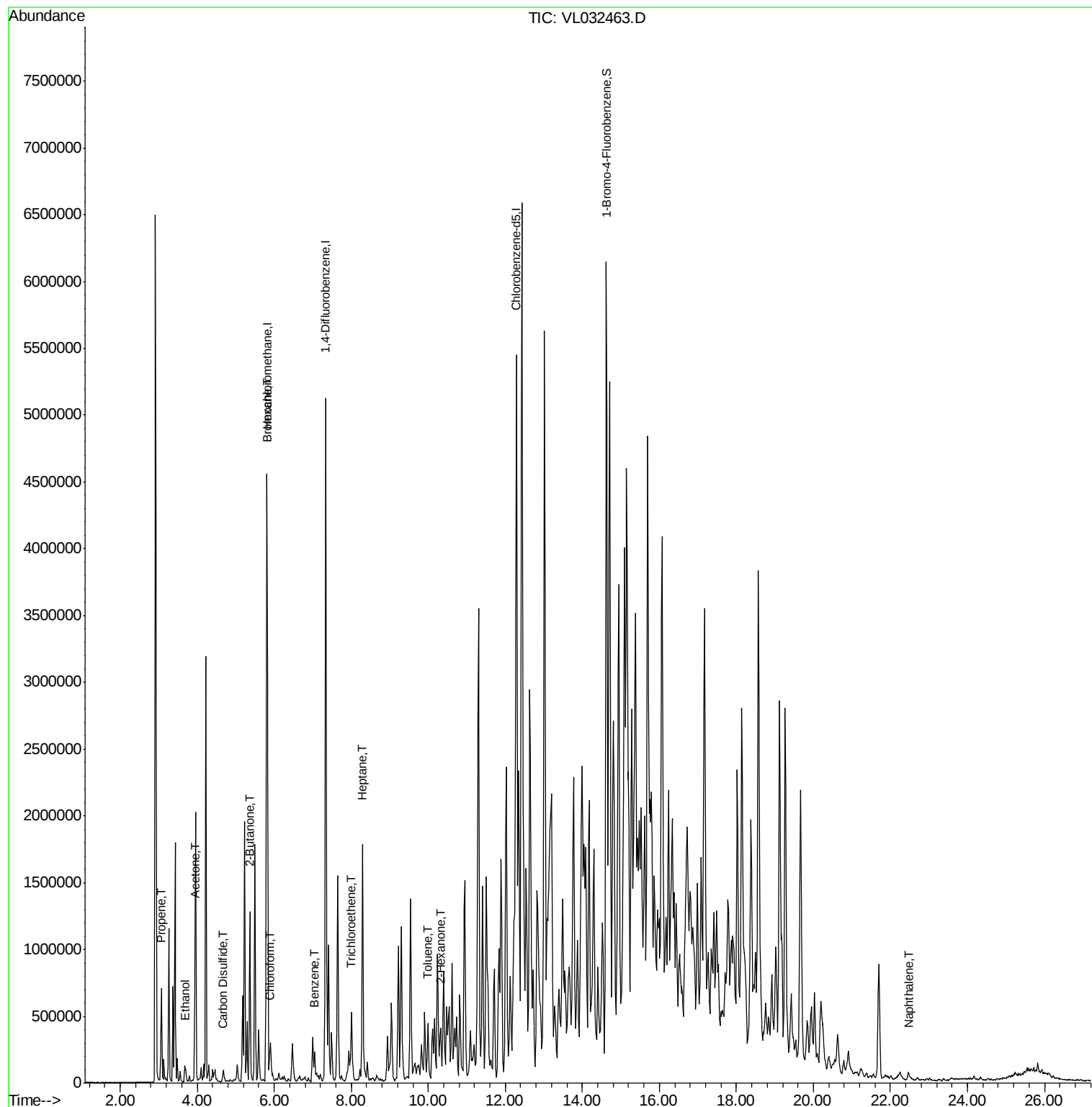
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL090518\
Data File : VL032463.D
Acq On : 5 Sep 2018 18:52
Operator : SY/AP
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Misc : 400ml/MSVOA L
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ClientSampleId :
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Quant Time: Sep 07 08:48:18 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: VL032463.D

Acq: 5 Sep 2018 18:52

Instrument :

MSVOA_L

ClientSampleId :

VP-1DL

Tot Ion: 49 Resp: 1628348

Ion Ratio Lower Upper

49 100

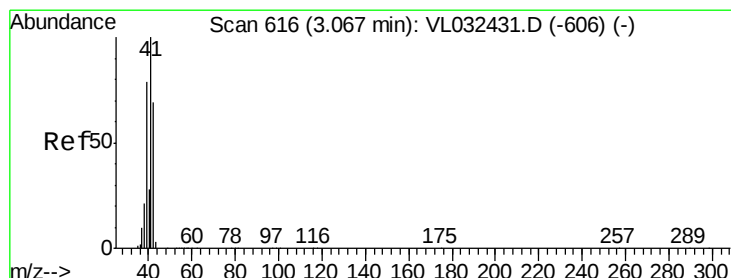
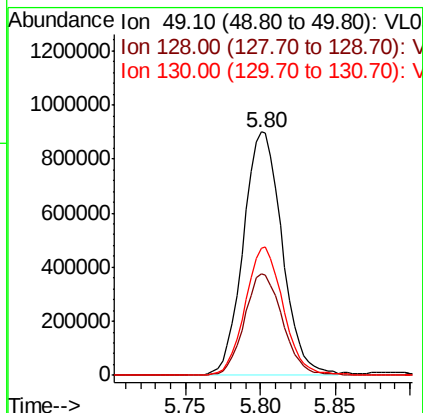
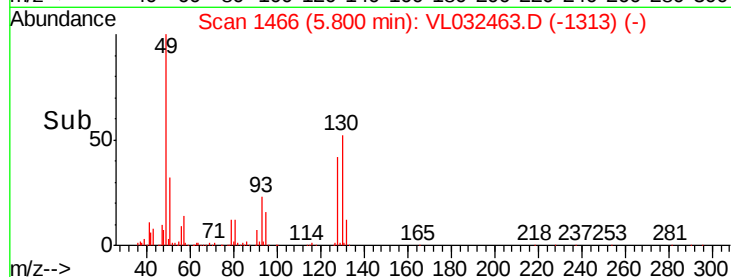
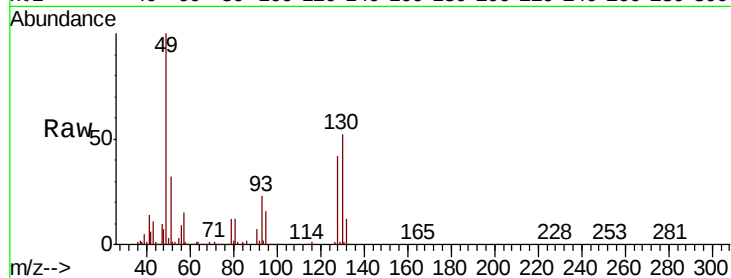
128 41.4 20.7 62.1

130 52.0 26.6 79.7

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#9

Propene

Concen: 4.59 ppbv

RT: 3.06 min Scan# 615

Delta R.T. -0.00 min

Lab File: VL032463.D

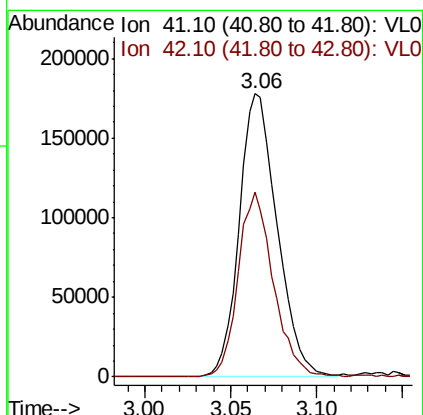
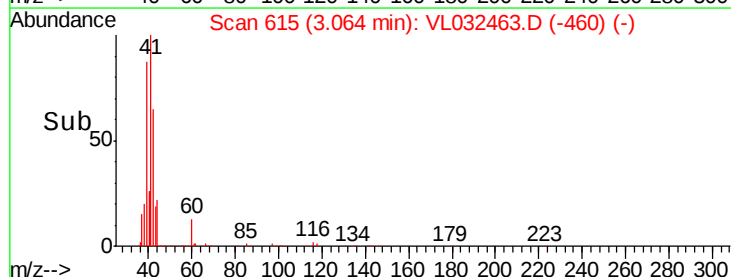
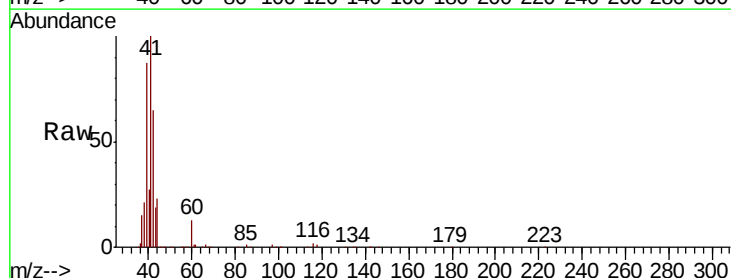
Acq: 5 Sep 2018 18:52

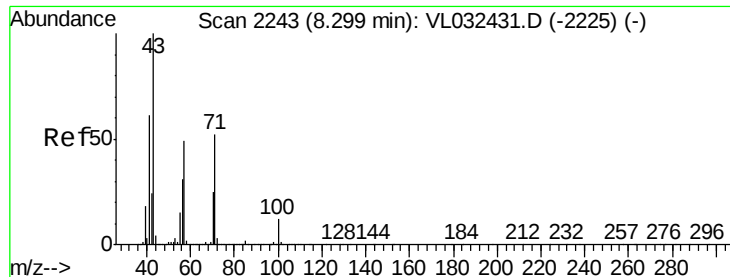
Tgt Ion: 41 Resp: 272646

Ion Ratio Lower Upper

41 100

42 61.5 56.6 84.8





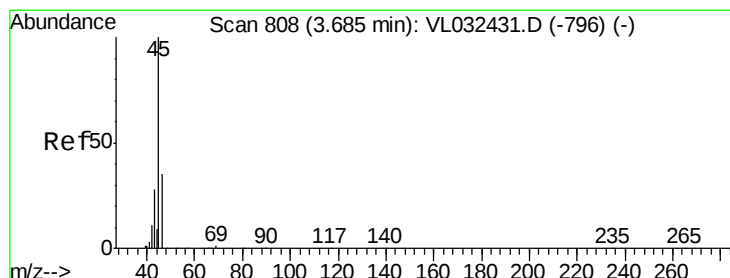
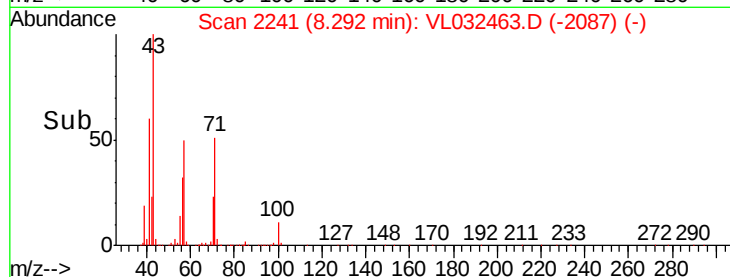
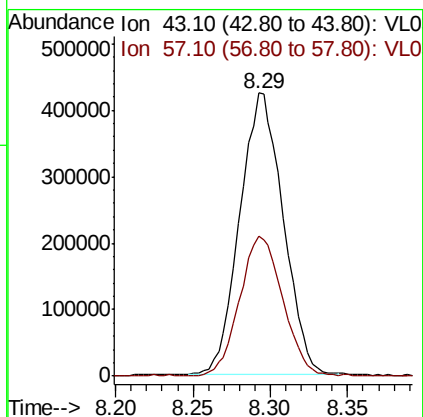
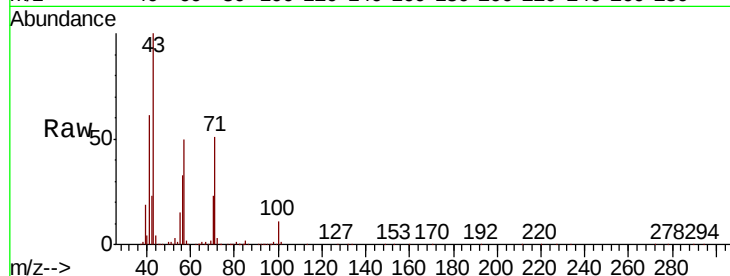
#10
Heptane
Concen: 3.88 ppbv
RT: 8.29 min Scan# 2241
Delta R.T. -0.01 min
Lab File: VL032463.D
Acq: 5 Sep 2018 18:52

Instrument :
MSVOA_L
ClientSampled :
VP-1DL

Tot Ion: 43 Resp: 827805
Ion Ratio Lower Upper
43 100
57 49.7 39.6 59.4

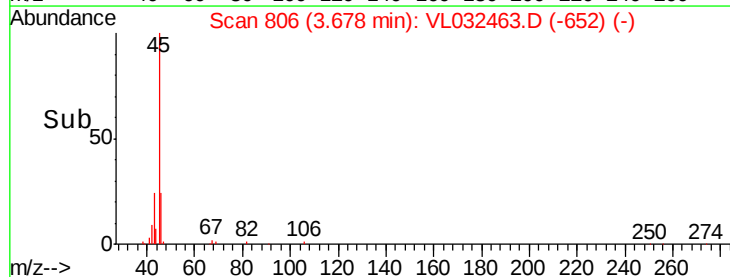
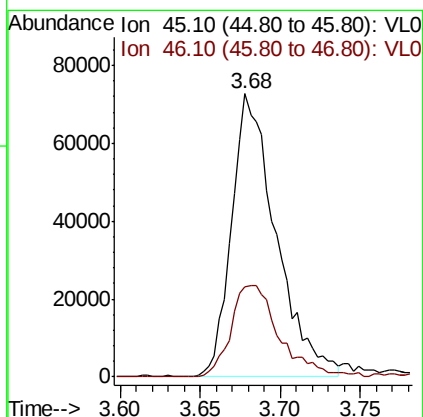
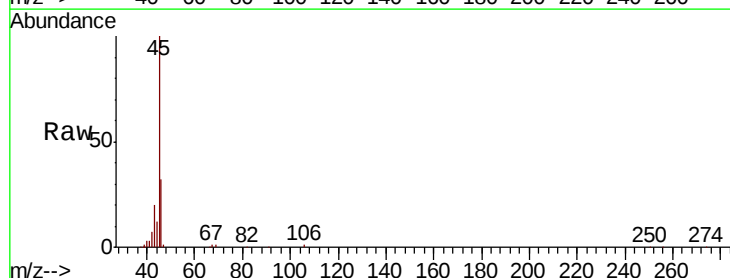
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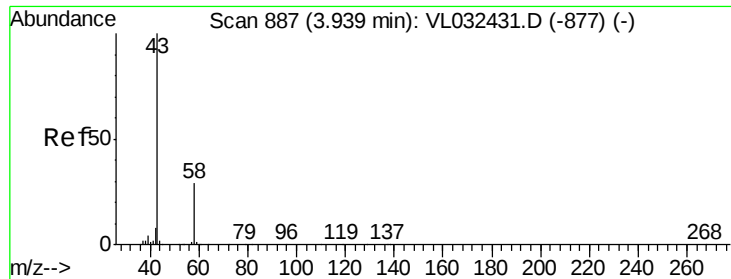
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#13
Ethanol
Concen: 7.44 ppbv
RT: 3.68 min Scan# 806
Delta R.T. -0.01 min
Lab File: VL032463.D
Acq: 5 Sep 2018 18:52

Tgt Ion: 45 Resp: 137852
Ion Ratio Lower Upper
45 100
46 36.4 14.2 56.8





#15

Acetone

Concen: 3.19 ppbv

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VL032463.D

Acq: 5 Sep 2018 18:52

Instrument :

MSVOA_L

ClientSampled :

VP-1DL

Tot Ion: 43 Resp: 467265

Ion Ratio Lower Upper

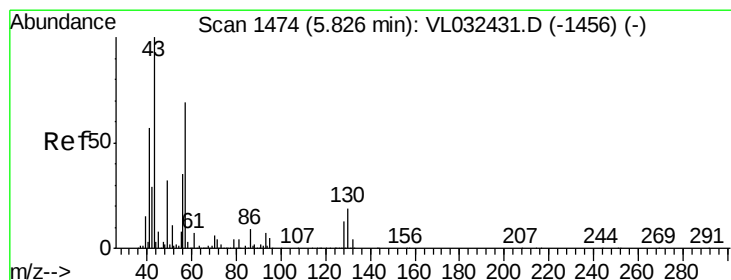
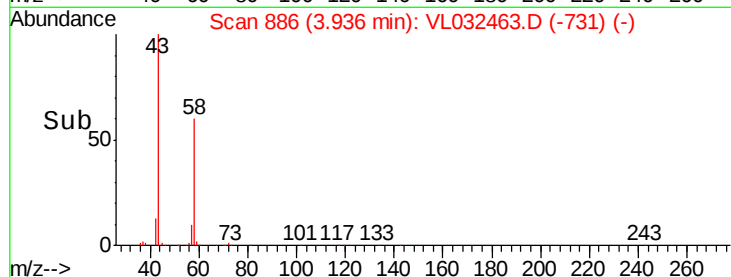
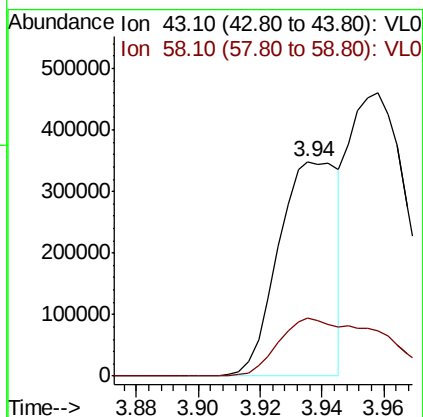
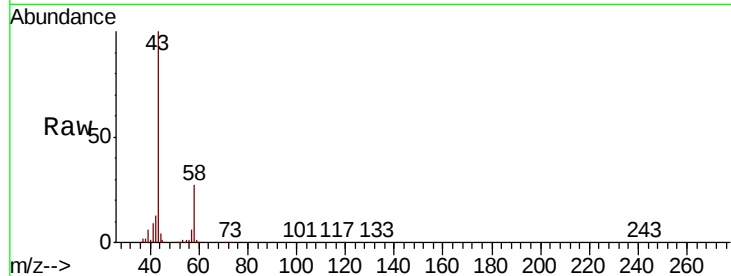
43 100

58 47.7 22.6 33.8#

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#26

Hexane

Concen: 9.00 ppbv

RT: 5.82 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VL032463.D

Acq: 5 Sep 2018 18:52

Tgt Ion: 57 Resp: 1395624

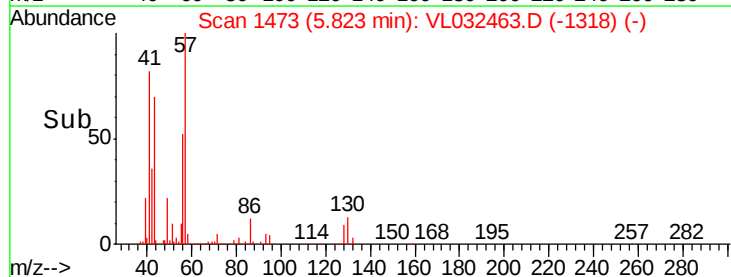
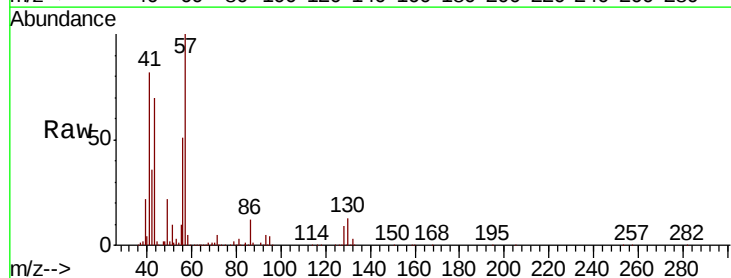
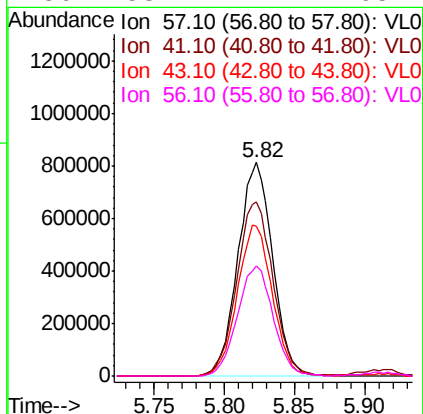
Ion Ratio Lower Upper

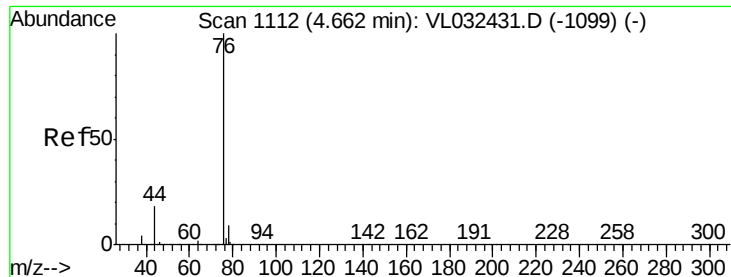
57 100

41 85.7 69.0 103.4

43 71.2 172.1 258.1#

56 53.2 42.2 63.2





#27

Carbon Disulfide

Concen: 0.18 ppbv

RT: 4.66 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VL032463.D

Acq: 5 Sep 2018 18:52

Instrument :

MSVOA_L

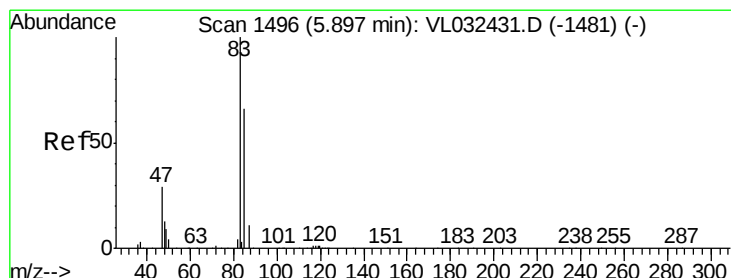
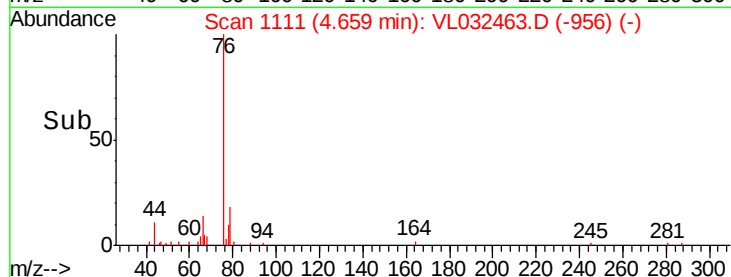
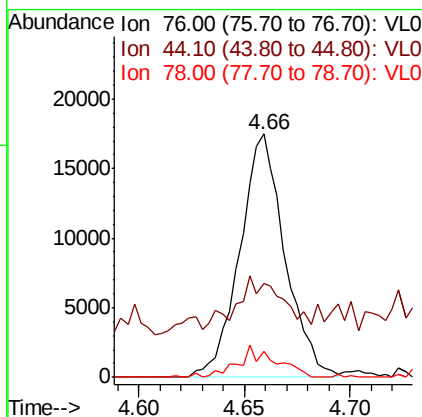
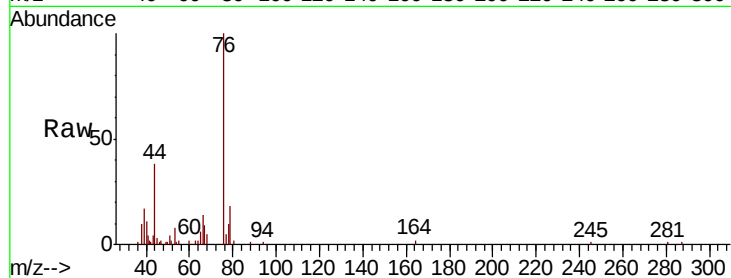
ClientSampleId :

VP-1DL

Tot Ion:	76	Resp:	25997
Ion	Ratio	Lower	Upper
76	100		
44	36.4	14.0	21.0#
78	11.3	7.5	11.3

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#29

Chloroform

Concen: 0.54 ppbv

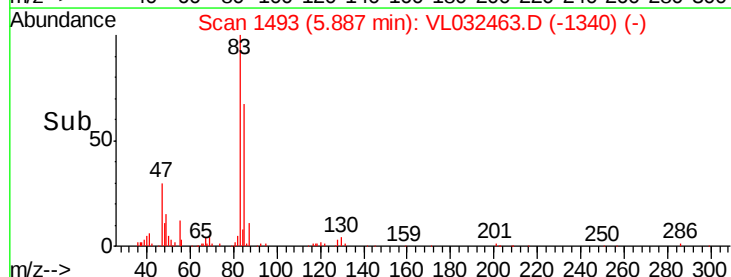
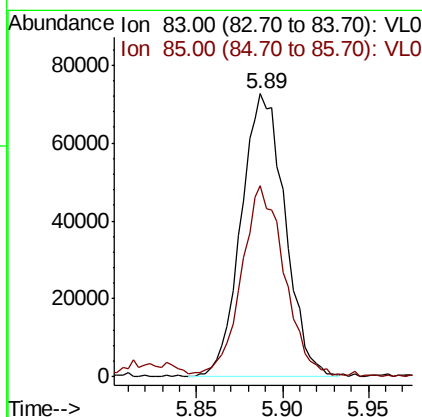
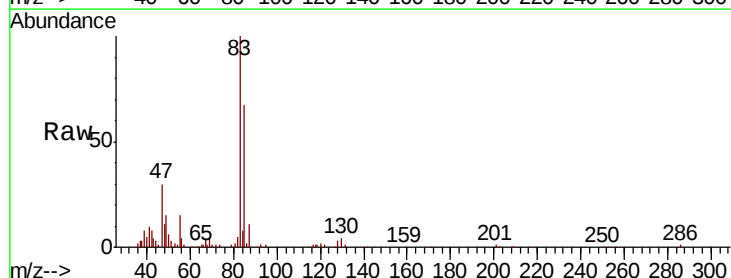
RT: 5.89 min Scan# 1493

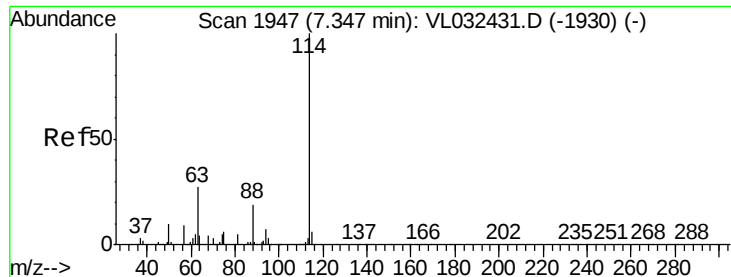
Delta R.T. -0.01 min

Lab File: VL032463.D

Acq: 5 Sep 2018 18:52

Tgt Ion:	83	Resp:	128515
Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.5	78.7





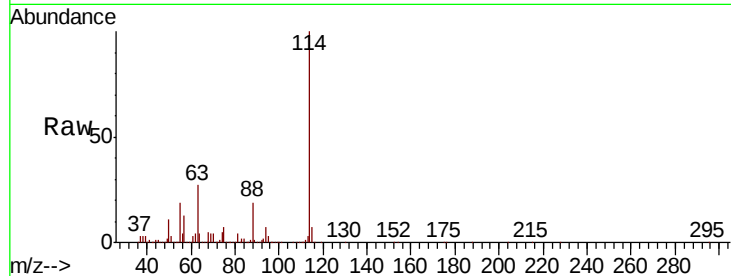
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.34 min Scan# 1944
 Delta R.T. -0.01 min
 Lab File: VL032463.D
 Acq: 5 Sep 2018 18:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1DL

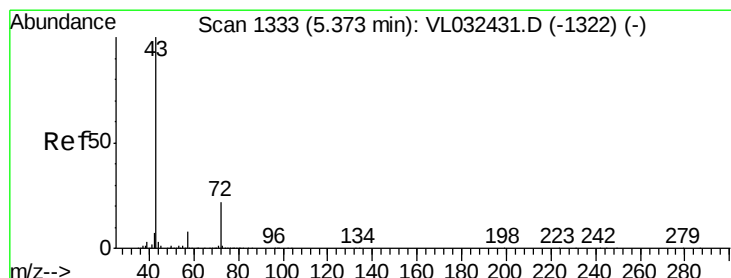
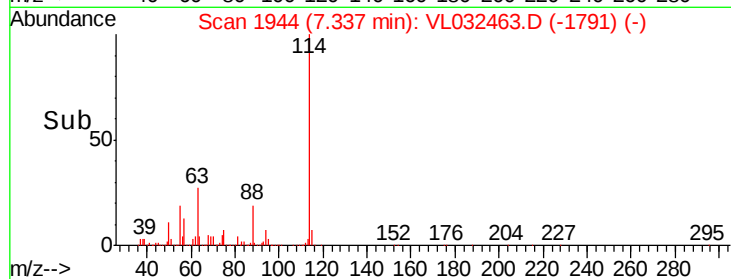
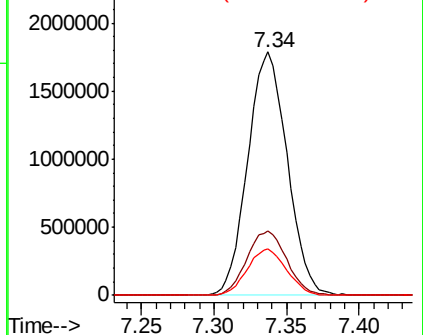
Tot Ion	Ratio	Lower	Upper
114	100		
63	27.0	22.2	33.4
88	19.0	15.0	22.4

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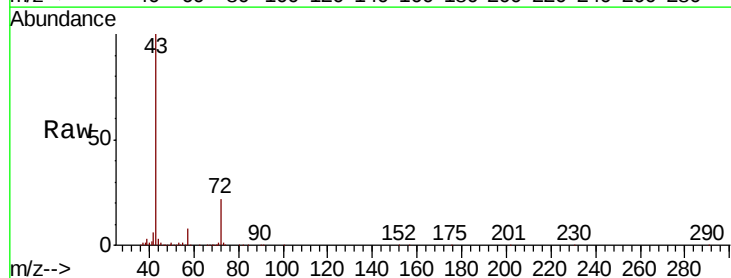


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

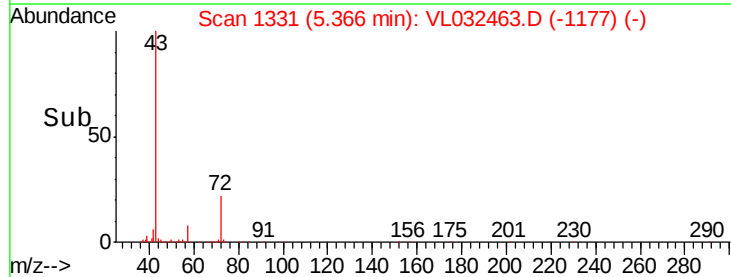
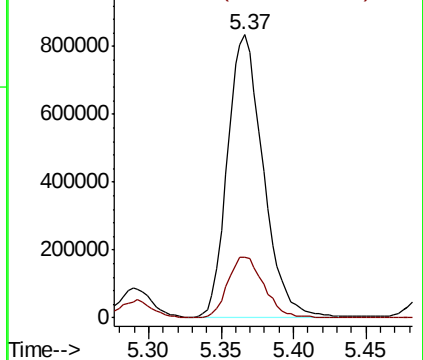


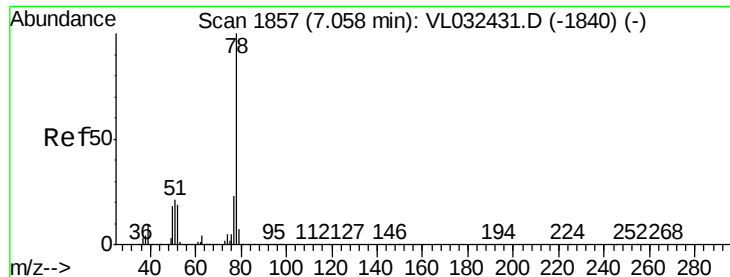
#34
 2-Butanone
 Concen: 6.26 ppbv
 RT: 5.37 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VL032463.D
 Acq: 5 Sep 2018 18:52

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.8	26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 0.56 ppbv

RT: 7.05 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VL032463.D

Acq: 5 Sep 2018 18:52

Instrument :

MSVOA_L

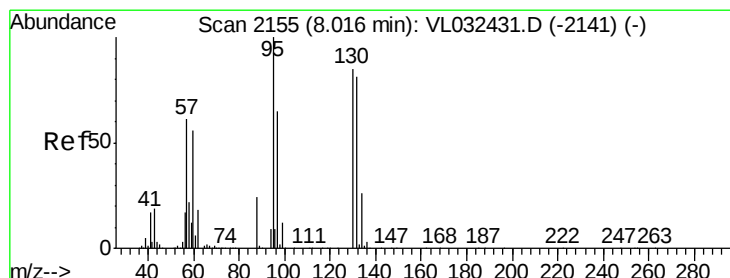
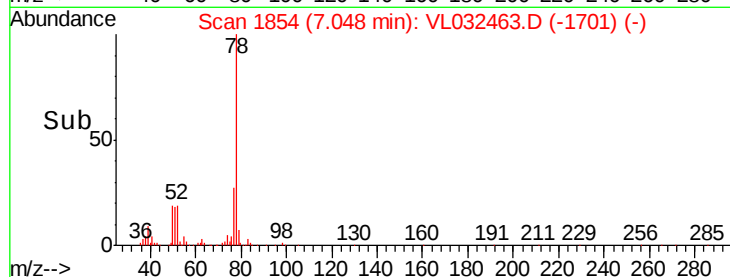
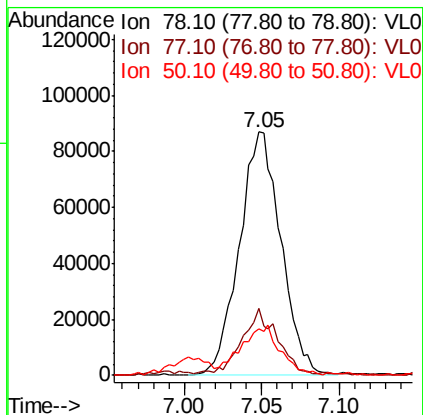
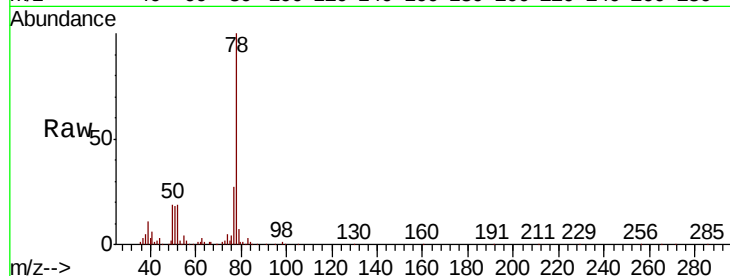
ClientSampled :

VP-1DL

Tot Ion:	78	Resp:	162823
Ion Ratio		Lower	Upper
78	100		
77	26.7	18.4	27.6
50	18.2	14.4	21.6

Manual Integrations
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#38

Trichloroethene

Concen: 1.29 ppbv

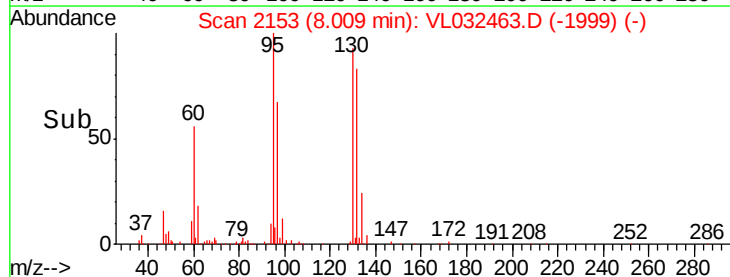
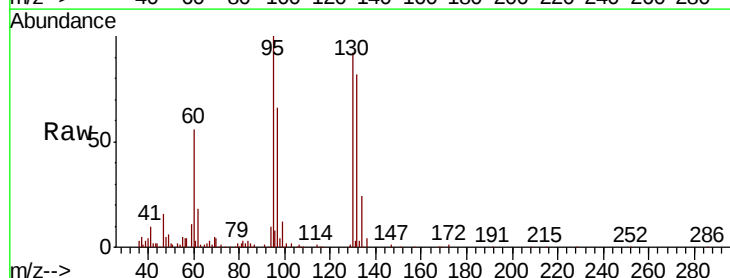
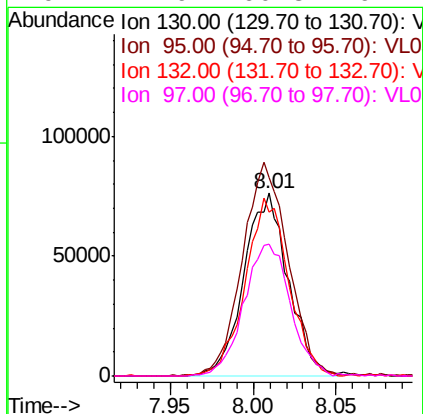
RT: 8.01 min Scan# 2153

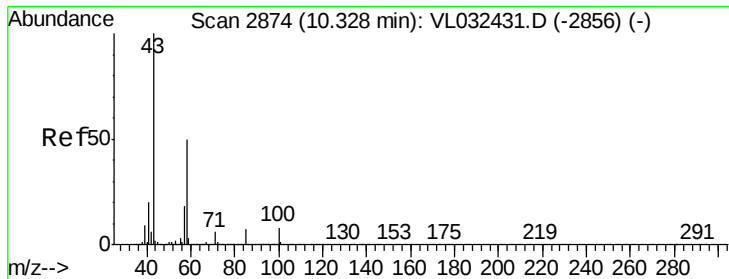
Delta R.T. -0.01 min

Lab File: VL032463.D

Acq: 5 Sep 2018 18:52

Tgt Ion:	130	Resp:	141821
Ion Ratio		Lower	Upper
130	100		
95	108.0	94.2	141.4
132	89.4	76.2	114.4
97	71.9	60.8	91.2





#51

2-Hexanone

Concen: 1.54 ppbv

RT: 10.32 min Scan# 2872

Delta R.T. -0.01 min

Lab File: VL032463.D

Acq: 5 Sep 2018 18:52

Instrument :

MSVOA_L

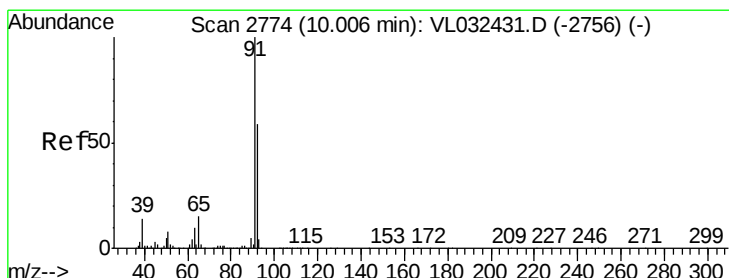
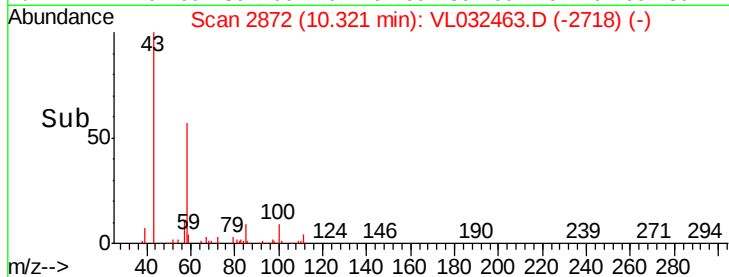
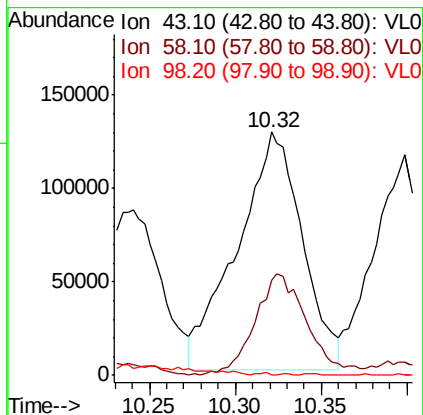
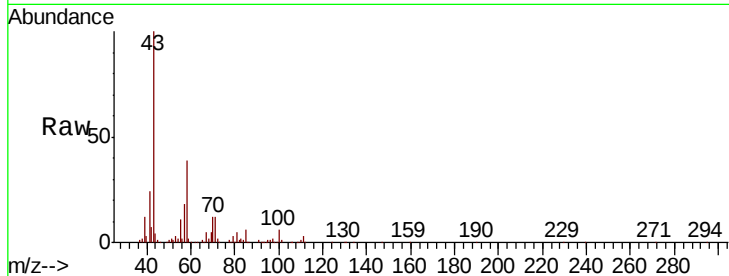
ClientSampleId :

VP-1DL

Tot Ion:	43	Resp:	336186
Ion Ratio	Lower	Upper	
43	100		
58	32.7	39.2	58.8#
98	0.0	0.4	0.6#

Manual Integrations
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#53

Toluene

Concen: 0.61 ppbv

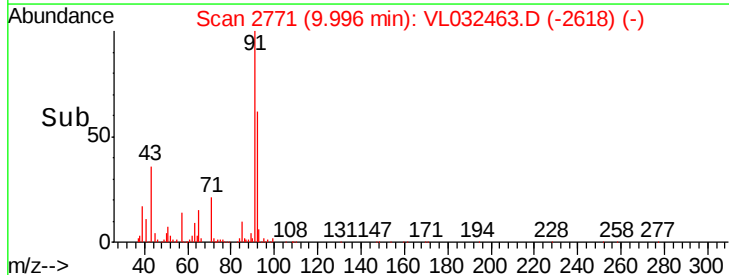
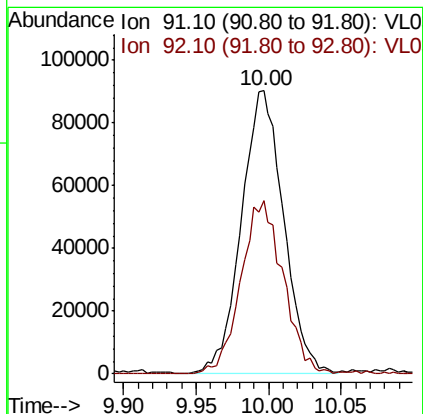
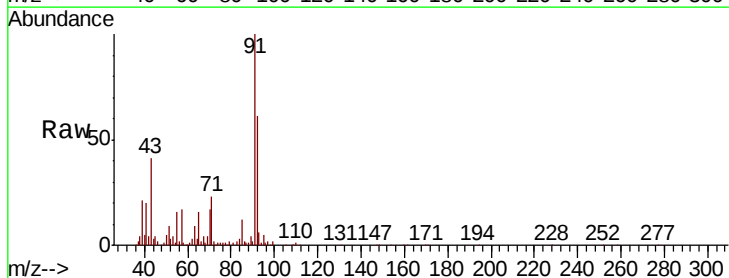
RT: 10.00 min Scan# 2771

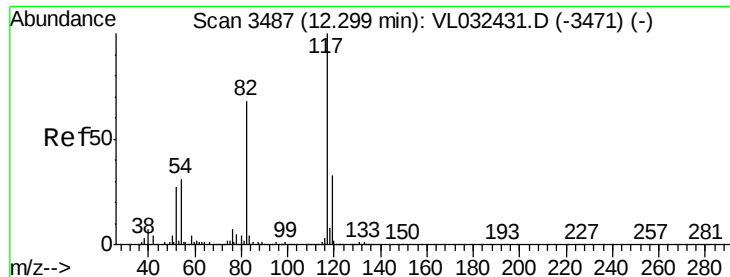
Delta R.T. -0.01 min

Lab File: VL032463.D

Acq: 5 Sep 2018 18:52

Tgt Ion:	91	Resp:	183099
Ion Ratio	Lower	Upper	
91	100		
92	61.3	48.1	72.1





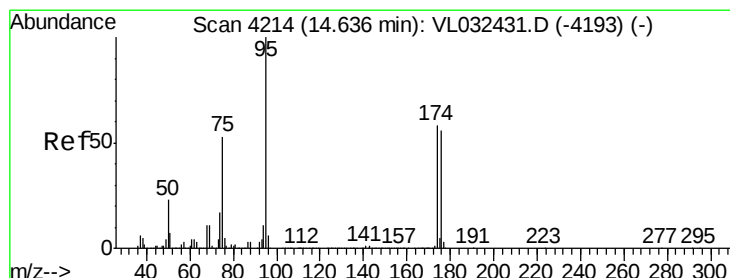
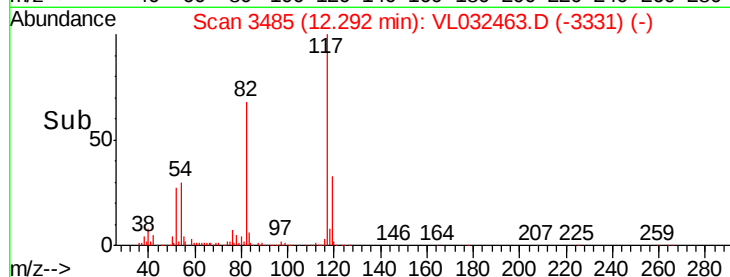
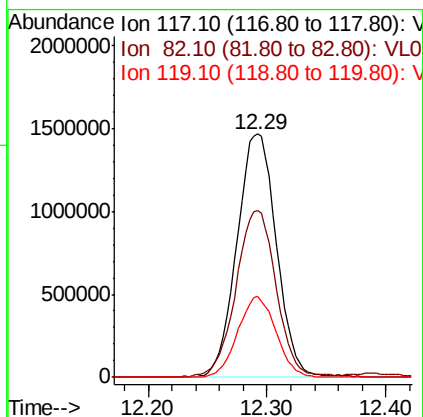
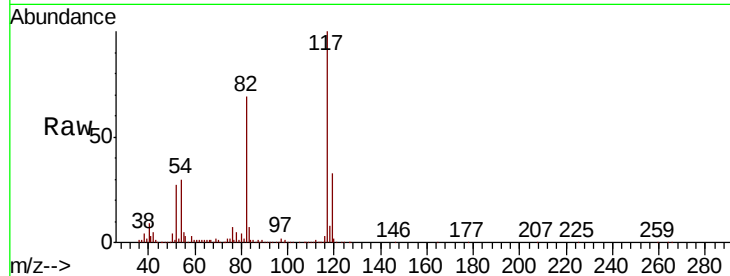
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.29 min Scan# 3485
Delta R.T. -0.01 min
Lab File: VL032463.D
Acq: 5 Sep 2018 18:52

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.1	53.0	79.6
119	32.5	45.9	68.9

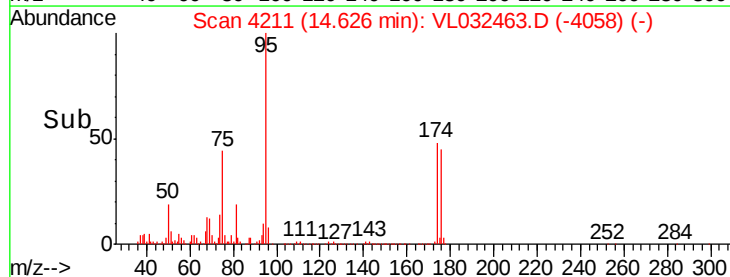
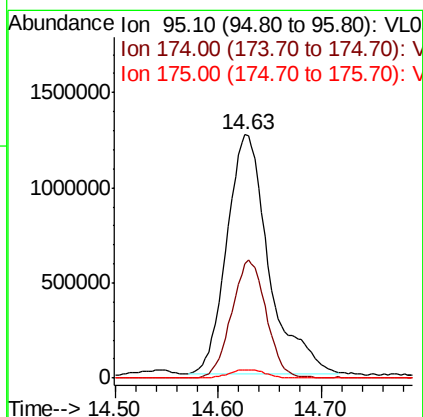
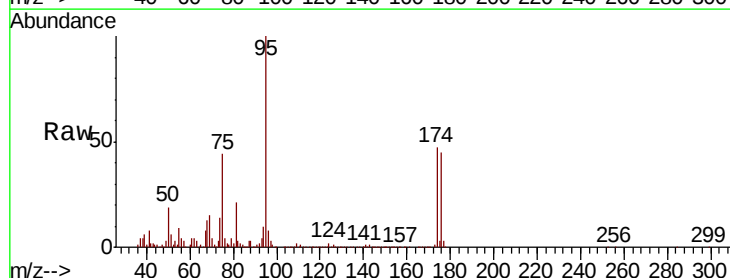
Manual Integrations
APPROVED

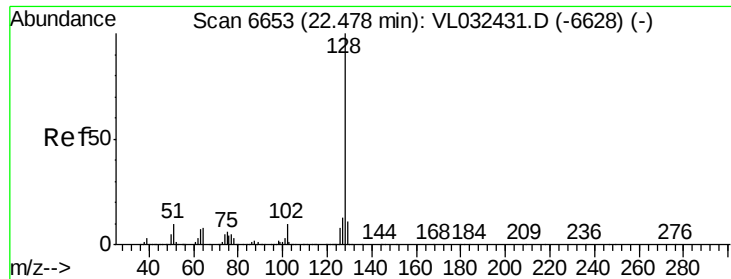
MMDadoda
9/7/2018 10:45:58 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 14.43 ppbv
RT: 14.63 min Scan# 4211
Delta R.T. -0.01 min
Lab File: VL032463.D
Acq: 5 Sep 2018 18:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	40.4	46.3	69.5
175	3.0	3.4	5.0





#79
Naphthalene
Concen: 0.15 ppbv m
RT: 22.48 min Scan# 6654
Delta R.T. 0.00 min
Lab File: VL032463.D
Acq: 5 Sep 2018 18:52

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	7.8	10.2	15.2#
129	9.1	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
9/7/2018 10:45:58 AM

