

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL080118\
 Data File : VL032340.D
 Acq On : 2 Aug 2018 2:39
 Operator : SY/AP
 Sample : J4258-02DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL2

Manual Integrations
 APPROVED

apatel
 8/14/2018 2:01:18 PM

Quant Time: Aug 02 02:07:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 2018
 QLast Update : Fri Jul 27 07:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.83	49	1813500	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.36	114	4525603	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.32	117	4423969	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.66	95	3519060	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.08	41	808344	9.915	ppbv	93
13) Ethanol	3.70	45	109564	4.676	ppbv	100
15) Acetone	3.95	43	7017765	41.058	ppbv	92
26) Hexane	5.84	57	49976	0.288	ppbv #	1
27) Carbon Disulfide	4.68	76	41181	0.261	ppbv #	81
34) 2-Butanone	5.38	43	4619152	15.769	ppbv	99
36) Benzene	7.08	78	113785m	0.285	ppbv	
51) 2-Hexanone	10.36	43	690589	1.753	ppbv #	100

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

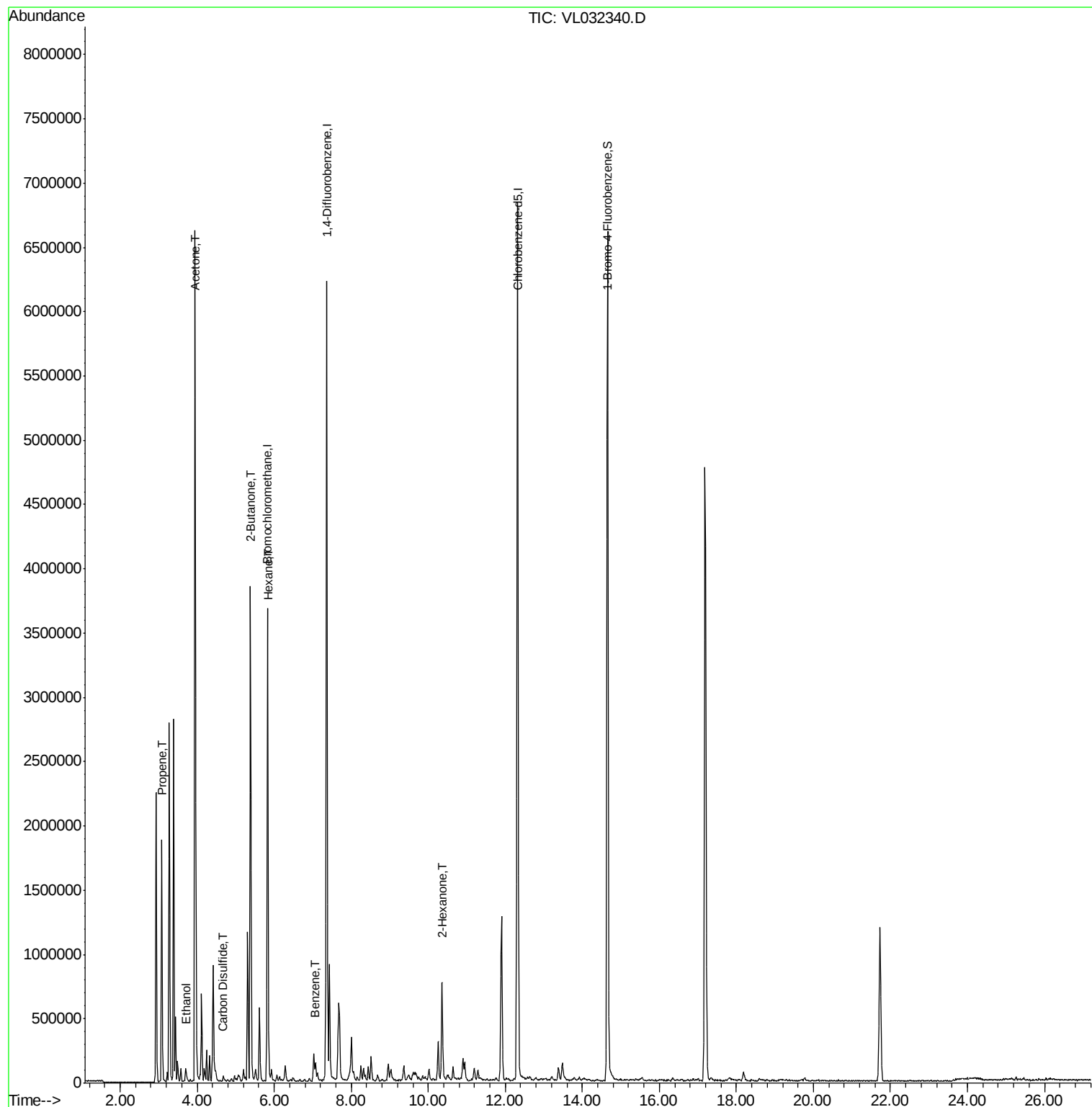
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL080118\
Data File : VL032340.D
Acq On : 2 Aug 2018 2:39
Operator : SY/AP
Sample : J4258-02DL2 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

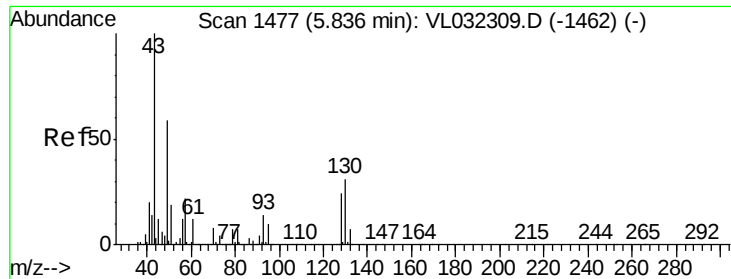
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL2

Manual Integrations
APPROVED

apatel
8/14/2018 2:01:18 PM

Quant Time: Aug 02 02:07:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul
QLast Update : Fri Jul 27 07:05:37 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.83 min Scan# 1474

Delta R.T. -0.01 min

Lab File: VL032340.D

Acq: 2 Aug 2018 2:39

Instrument :

MSVOA_L

ClientSampleId :

SV-1DL2

Tot Ion: 49 Resp: 1813500

Ion Ratio Lower Upper

49 100

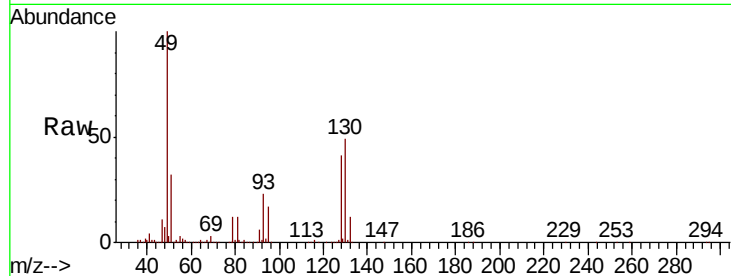
128 40.6 20.2 60.6

130 51.6 25.8 77.3

Manual Integrations
APPROVED

apatel

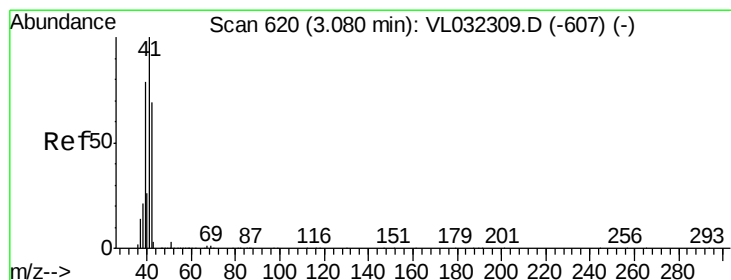
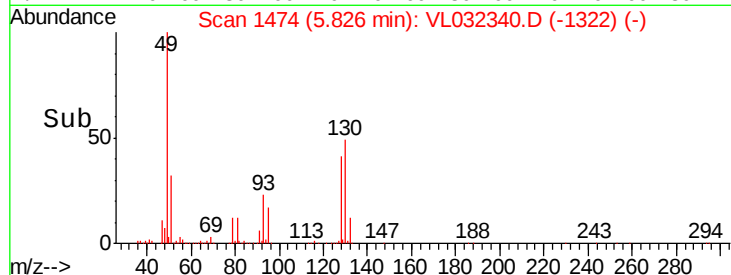
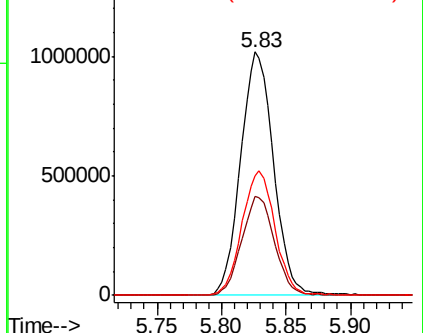
8/14/2018 2:01:18 PM



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: 9.915 ppbv

RT: 3.08 min Scan# 619

Delta R.T. -0.00 min

Lab File: VL032340.D

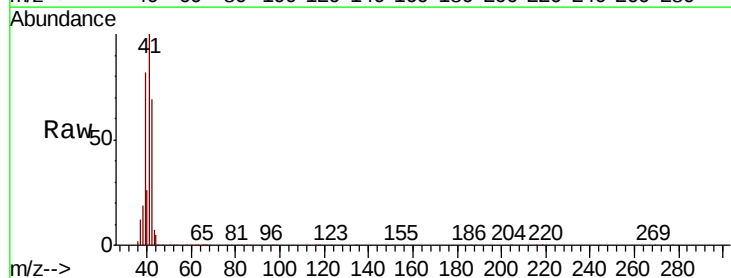
Acq: 2 Aug 2018 2:39

Tgt Ion: 41 Resp: 808344

Ion Ratio Lower Upper

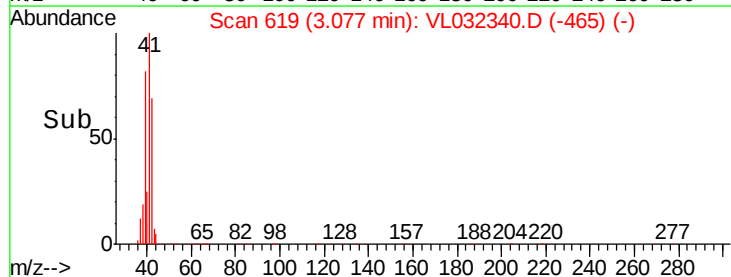
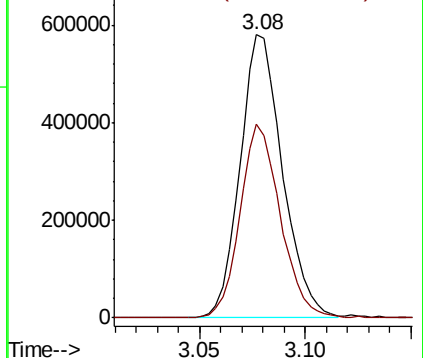
41 100

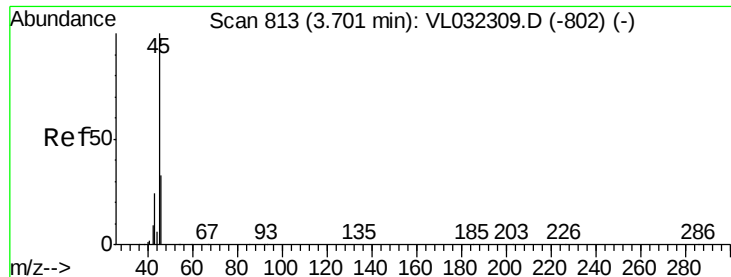
42 65.3 56.8 85.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





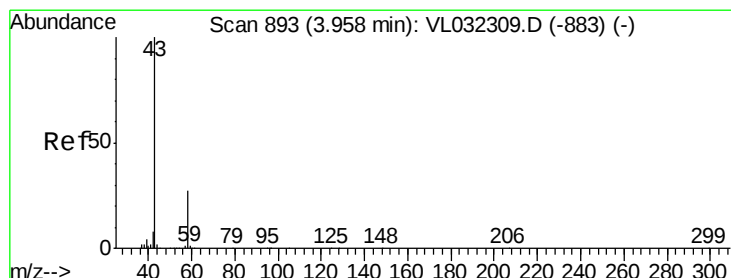
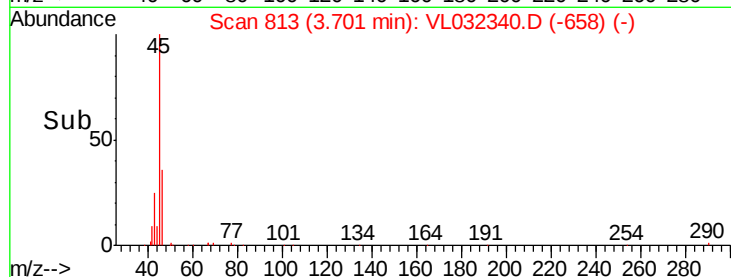
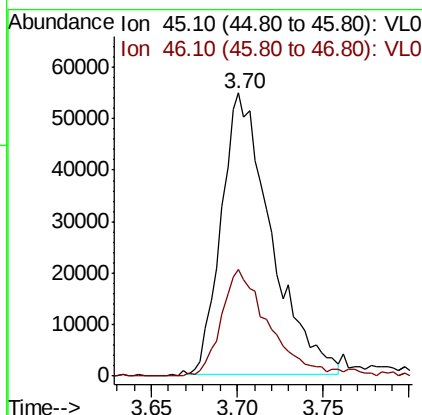
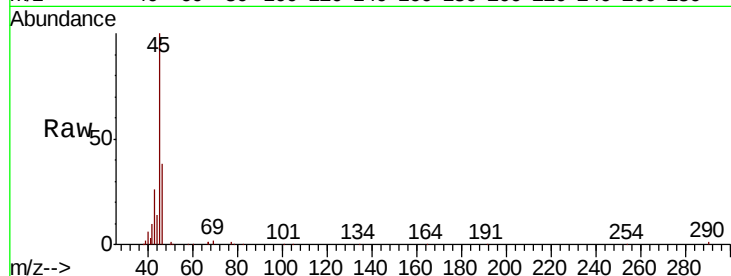
#13
Ethanol
Concen: 4.676 ppbv
RT: 3.70 min Scan# 813
Delta R.T. -0.00 min
Lab File: VL032340.D
Acq: 2 Aug 2018 2:39

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL2

Tot Ion	45	46	Ratio	Lower	Upper
109564	100	37.7		15.2	60.6

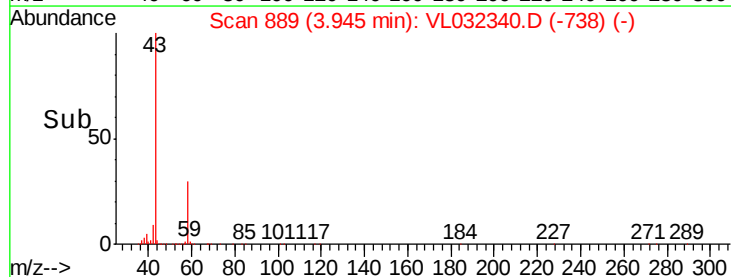
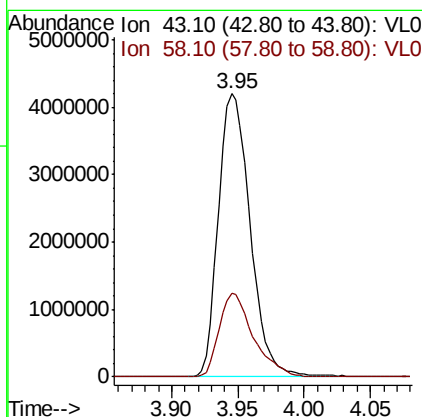
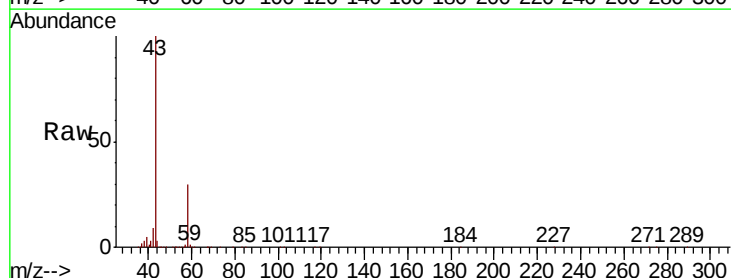
Manual Integrations
APPROVED

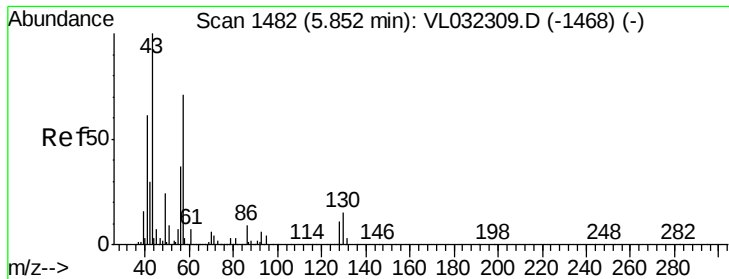
apatel
8/14/2018 2:01:18 PM



#15
Acetone
Concen: 41.058 ppbv
RT: 3.95 min Scan# 889
Delta R.T. -0.01 min
Lab File: VL032340.D
Acq: 2 Aug 2018 2:39

Tgt Ion	43	58	Ratio	Lower	Upper
7017765	100	32.1		22.5	33.7





#26

Hexane

Concen: 0.288 ppbv

RT: 5.84 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VL032340.D

Acq: 2 Aug 2018 2:39

Instrument :

MSVOA_L

ClientSampleID :

SV-1DL2

Tot Ion: 57 Resp: 49976

Ion Ratio Lower Upper

57 100

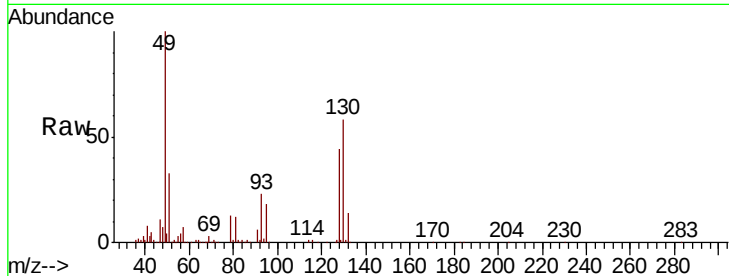
41 231.5 68.1 102.1#

43 0.0 177.4 266.2#

56 107.8 41.9 62.9#

Manual Integrations
APPROVED

apatel
8/14/2018 2:01:18 PM

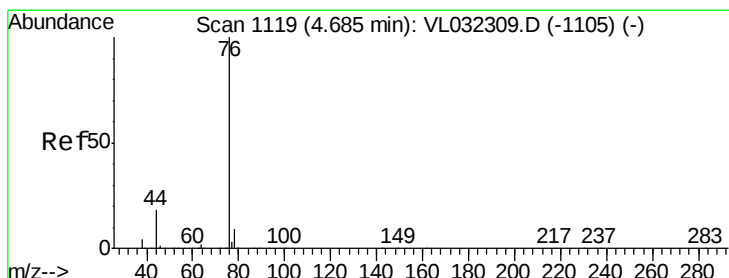
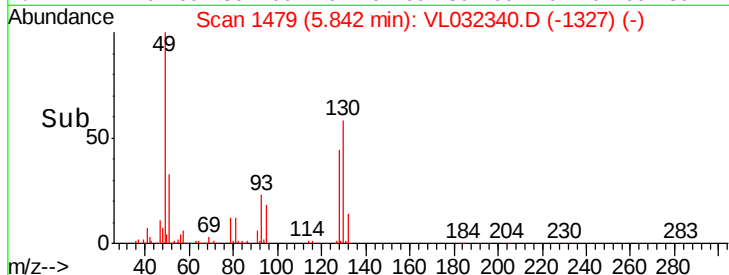
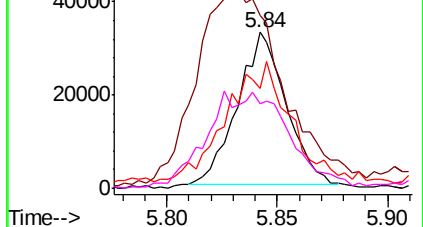


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.261 ppbv

RT: 4.68 min Scan# 1117

Delta R.T. -0.01 min

Lab File: VL032340.D

Acq: 2 Aug 2018 2:39

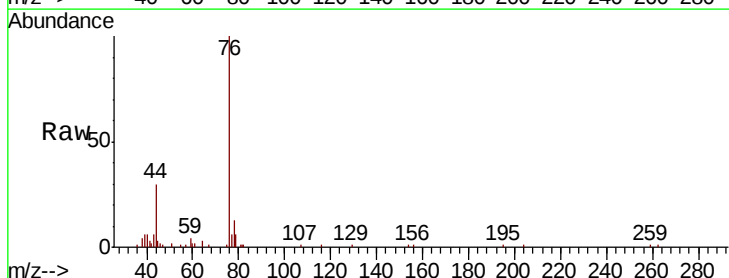
Tgt Ion: 76 Resp: 41181

Ion Ratio Lower Upper

76 100

44 29.1 14.0 21.0#

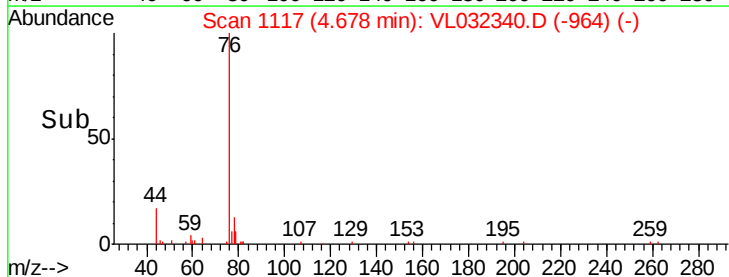
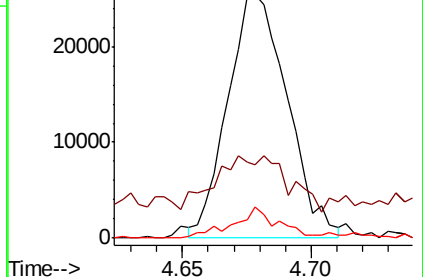
78 11.4 7.5 11.3#

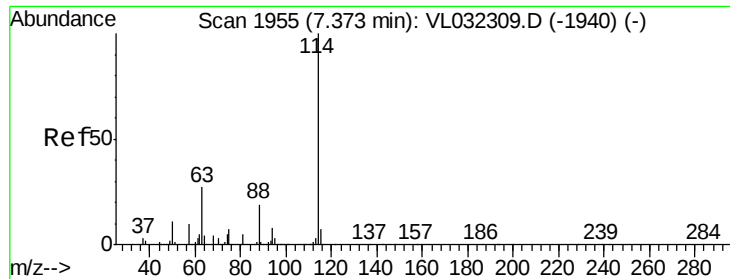


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





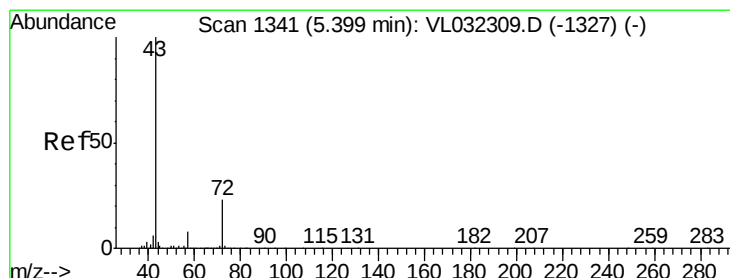
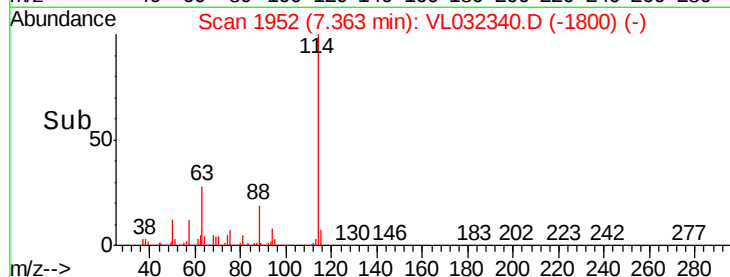
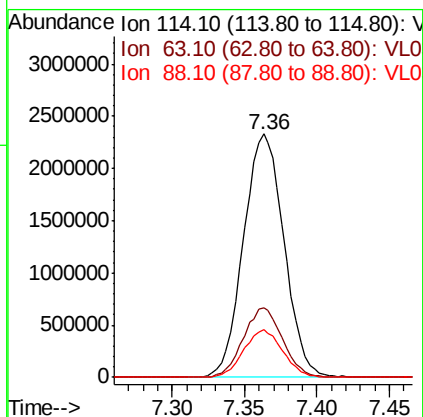
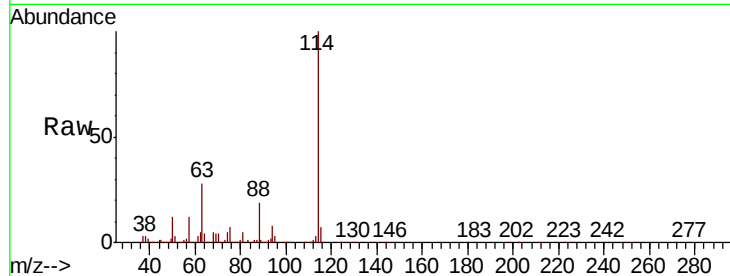
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.36 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VL032340.D
 Acq: 2 Aug 2018 2:39

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL2

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.4	33.6
88	19.0	15.3	22.9

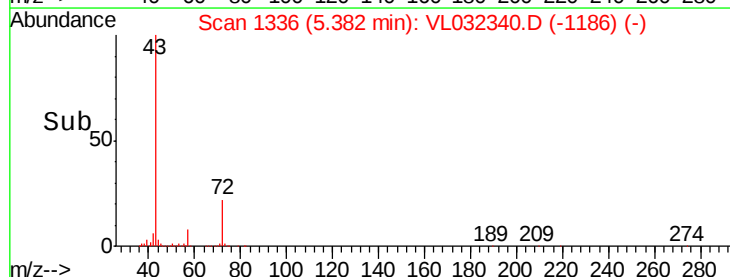
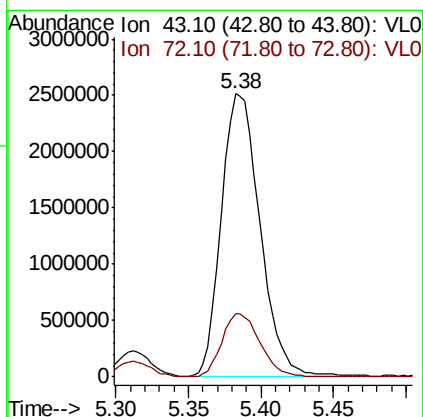
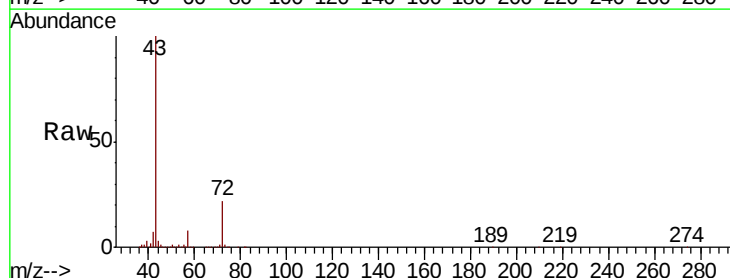
Manual Integrations
 APPROVED

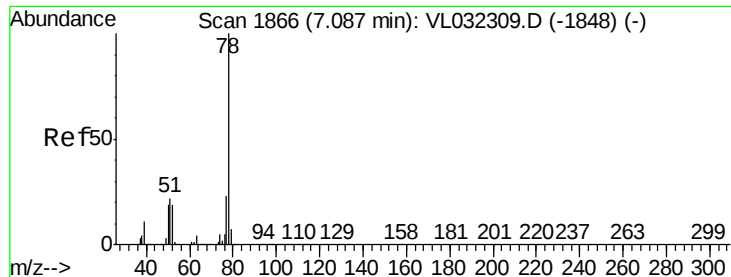
apatel
 8/14/2018 2:01:18 PM



#34
 2-Butanone
 Concen: 15.769 ppbv
 RT: 5.38 min Scan# 1336
 Delta R.T. -0.02 min
 Lab File: VL032340.D
 Acq: 2 Aug 2018 2:39

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.4	26.2





#36

Benzene

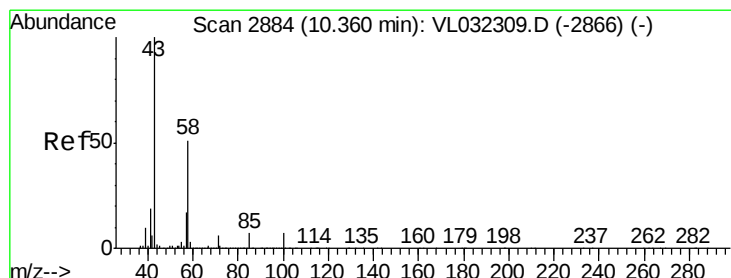
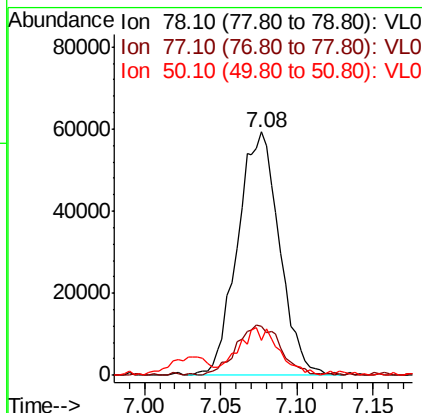
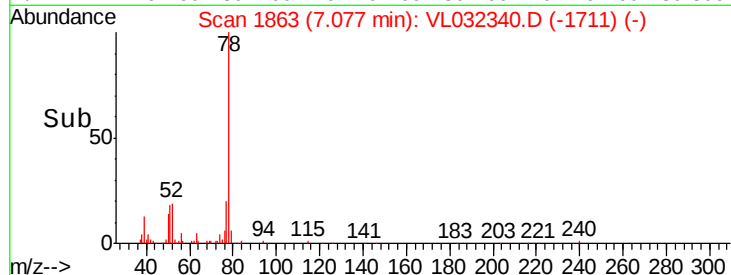
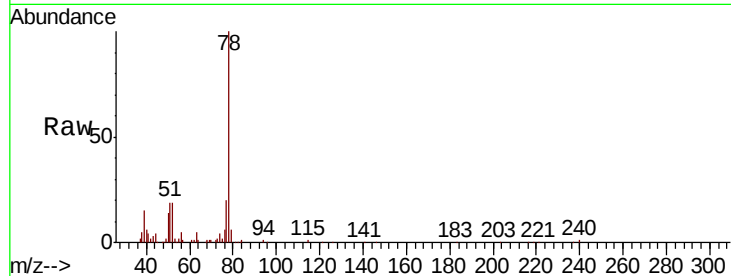
Concen: 0.285 ppbv m
 RT: 7.08 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: VL032340.D
 Acq: 2 Aug 2018 2:39

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL2

Tot Ion	Ratio	Lower	Upper
78	100		
77	20.0	18.4	27.6
50	14.5	15.3	22.9#

Manual Integrations
 APPROVED

apatel
 8/14/2018 2:01:18 PM

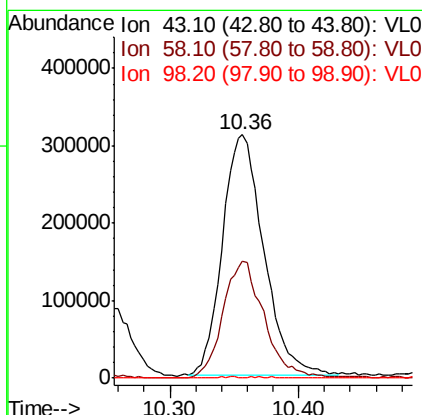
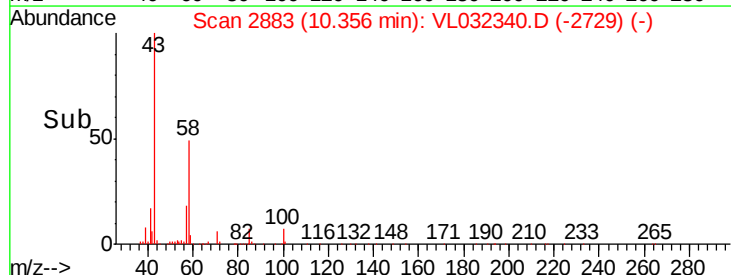
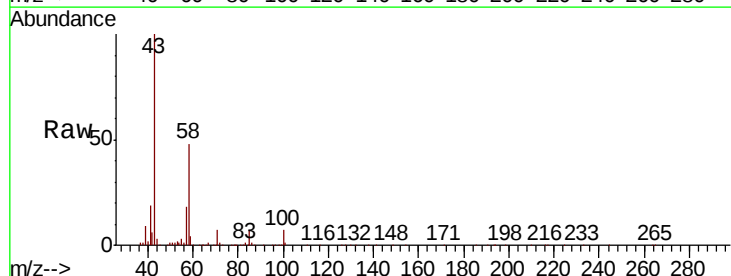


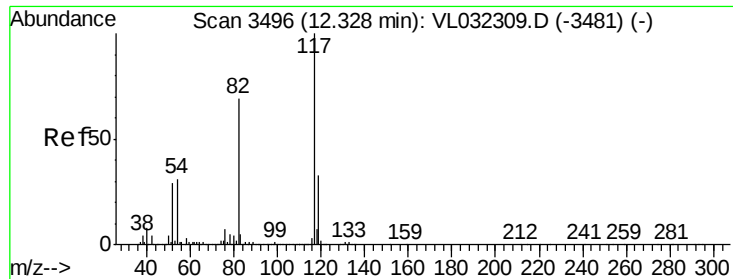
#51

2-Hexanone

Concen: 1.753 ppbv
 RT: 10.36 min Scan# 2883
 Delta R.T. -0.00 min
 Lab File: VL032340.D
 Acq: 2 Aug 2018 2:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	48.6	39.1	58.7
98	0.6	0.3	0.5#





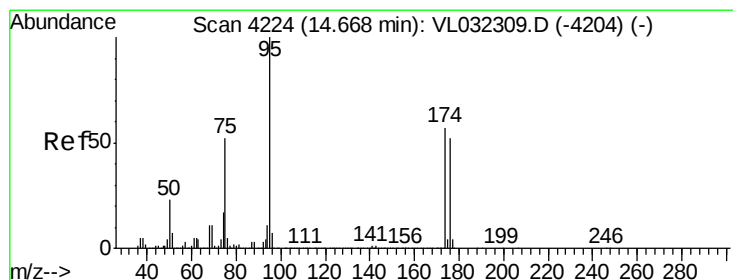
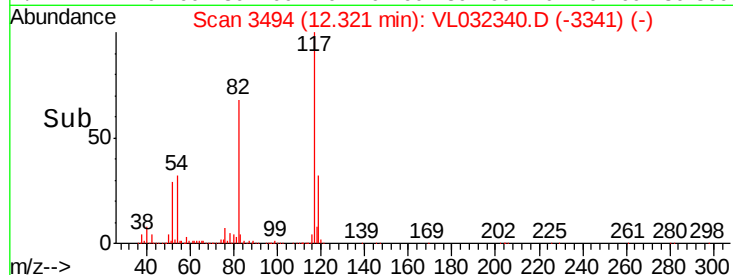
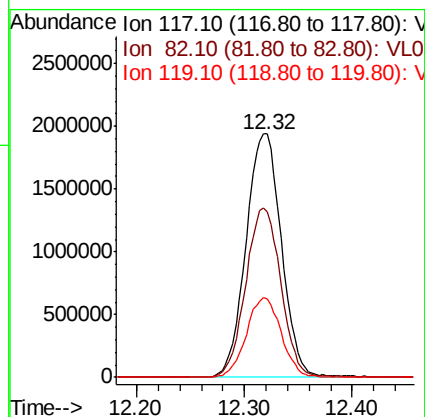
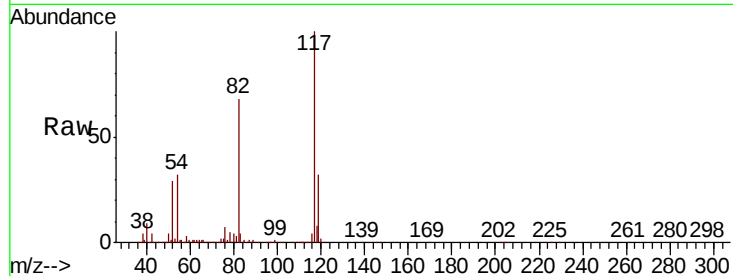
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.32 min Scan# 3494
Delta R.T. -0.01 min
Lab File: VL032340.D
Acq: 2 Aug 2018 2:39

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL2

Tot Ion:117 Resp: 4423969
Ion Ratio Lower Upper
117 100
82 69.1 52.6 78.8
119 32.3 25.7 38.5

Manual Integrations
APPROVED

apatel
8/14/2018 2:01:18 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.248 ppbv
RT: 14.66 min Scan# 4221
Delta R.T. -0.01 min
Lab File: VL032340.D
Acq: 2 Aug 2018 2:39

Tgt Ion: 95 Resp: 3519060
Ion Ratio Lower Upper
95 100
174 56.1 45.5 68.3
175 4.1 3.3 4.9

