

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
 Data File : VL032940.D
 Acq On : 7 Dec 2018 18:32
 Operator : SY/AP
 Sample : J6262-05DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DL

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:09:11 AM

Quant Time: Dec 10 20:45:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1337961	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3378115	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3170380	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2435942	10.40	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.02	51	63904	0.631	ppbv	92
9) Propene	3.05	41	23122m	0.577	ppbv	
13) Ethanol	3.65	45	452112	32.773	ppbv	97
15) Acetone	3.91	43	230805m	2.010	ppbv	
19) Isopropyl Alcohol	4.03	45	435566	6.039	ppbv #	99
25) Ethyl Acetate	5.77	43	157597	0.581	ppbv #	94
26) Hexane	5.78	57	35850	0.286	ppbv #	10
36) Benzene	7.00	78	43524	0.175	ppbv	94
52) Tetrachloroethene	11.37	164	9935	0.110	ppbv #	50

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

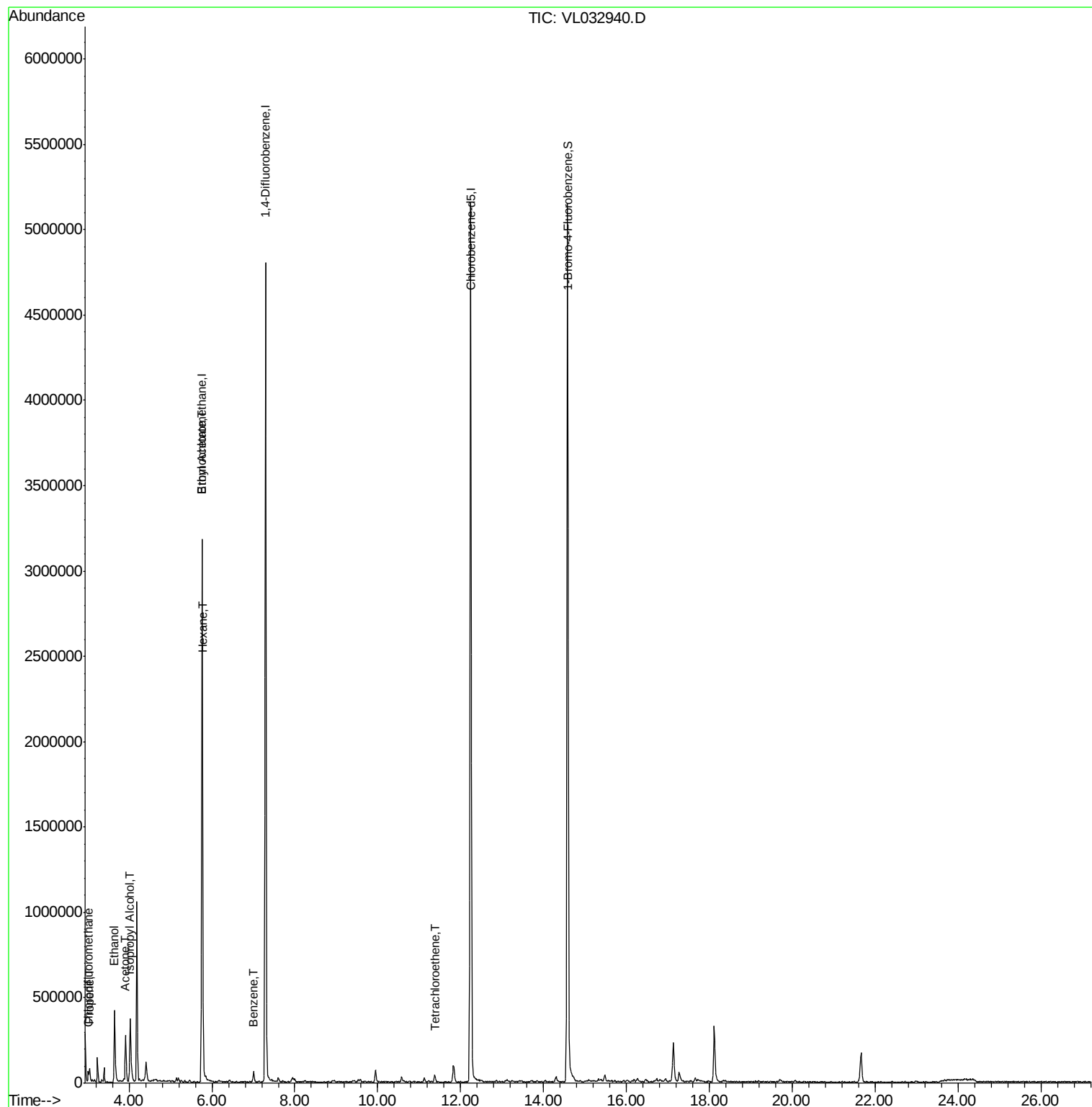
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
Data File : VL032940.D
Acq On : 7 Dec 2018 18:32
Operator : SY/AP
Sample : J6262-05DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:09:11 AM

Quant Time: Dec 10 20:45:44 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.01 min

Lab File: VL032940.D

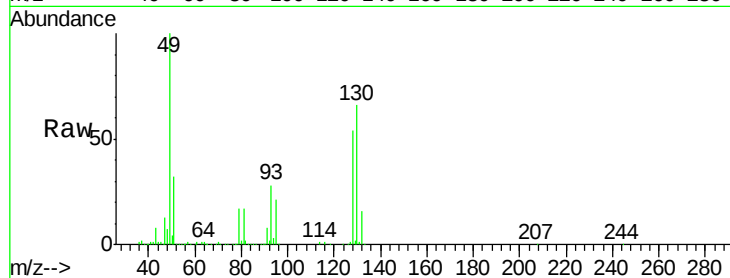
Acq: 7 Dec 2018 18:32

Instrument :

MSVOA_L

ClientSampled :

IA3DL



Tgt Ion: 49 Resp: 1337961

Ion Ratio Lower Upper

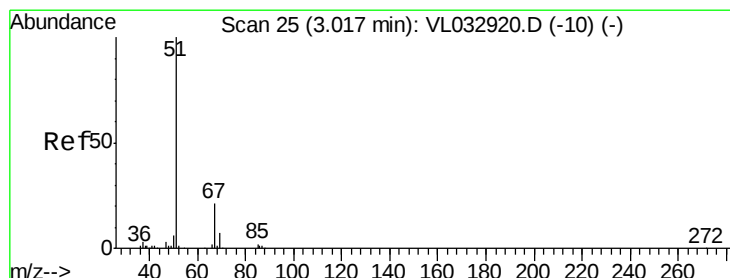
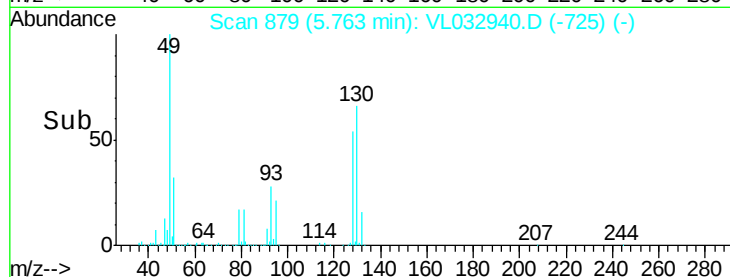
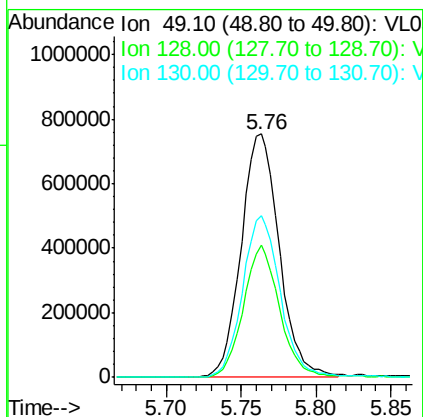
49 100

128 52.0 26.3 78.8

130 66.3 33.9 101.7

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:09:11 AM



#3

Chlorodifluoromethane

Concen: 0.631 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL032940.D

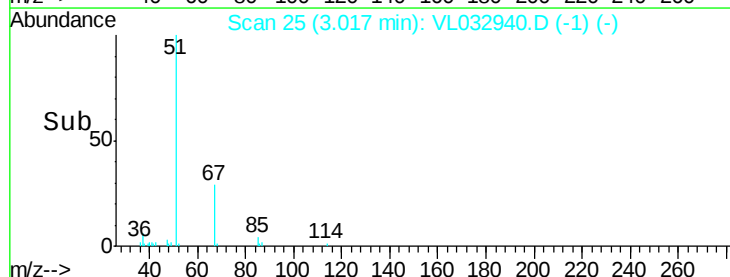
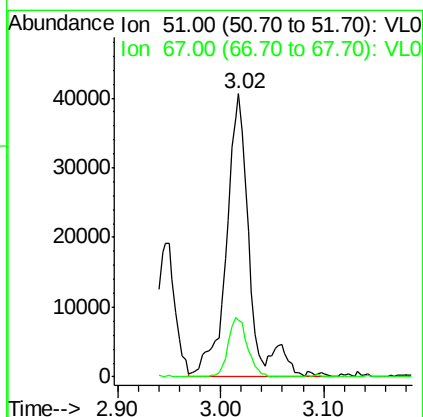
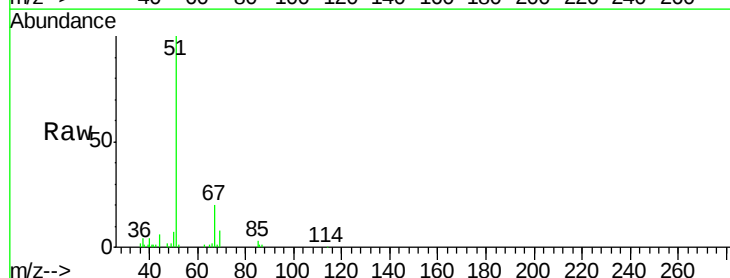
Acq: 7 Dec 2018 18:32

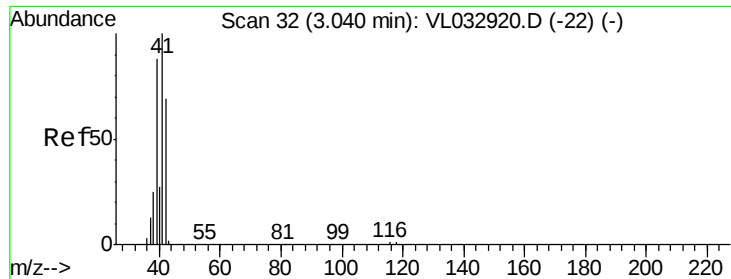
Tgt Ion: 51 Resp: 63904

Ion Ratio Lower Upper

51 100

67 17.3 16.8 25.2





#9

Propene

Concen: 0.577 ppbv m

RT: 3.05 min Scan# 35

Delta R.T. 0.01 min

Lab File: VL032940.D

Acq: 7 Dec 2018 18:32

Instrument :

MSVOA_L

ClientSampleId :

IA3DL

Tgt Ion: 41 Resp: 23122

Ion Ratio Lower Upper

41 100

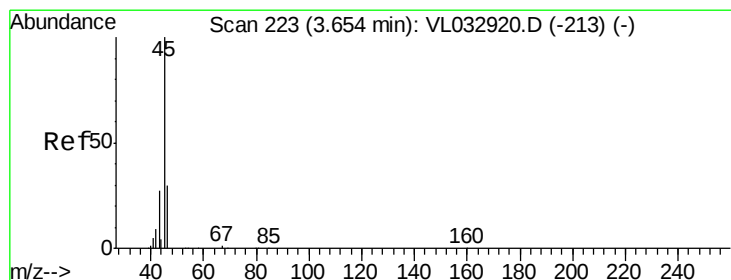
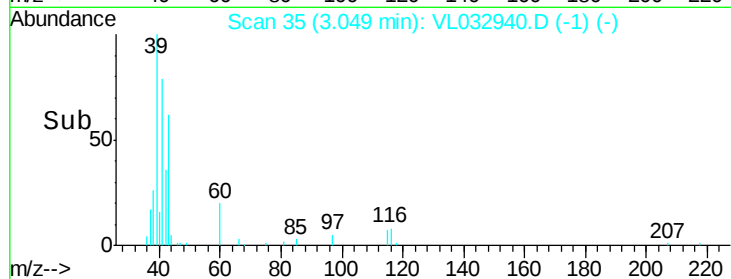
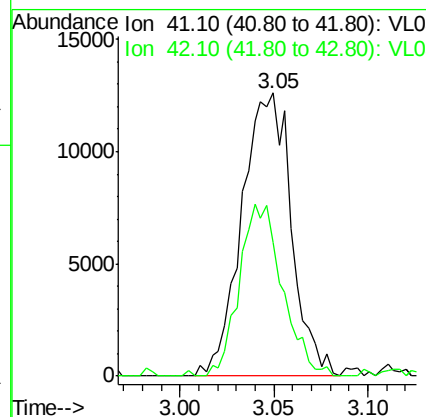
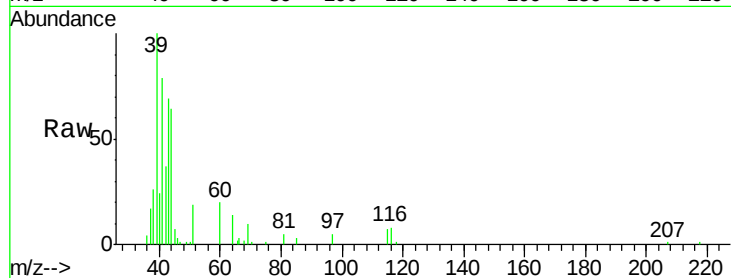
42 110.9 56.2 84.2#

Manual Integrations

APPROVED

MMDadoda

12/11/2018 10:09:11 AM



#13

Ethanol

Concen: 32.773 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.01 min

Lab File: VL032940.D

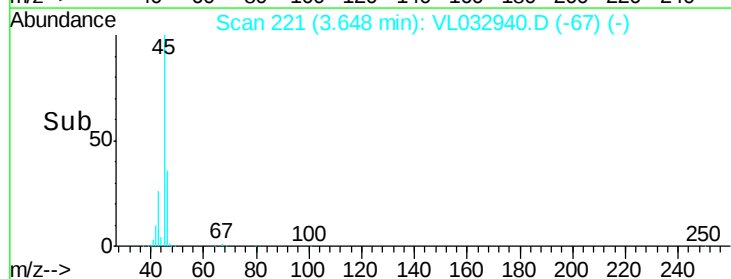
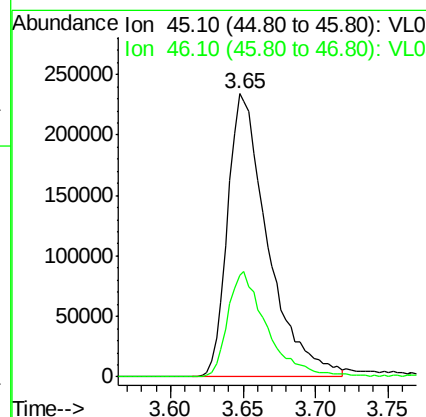
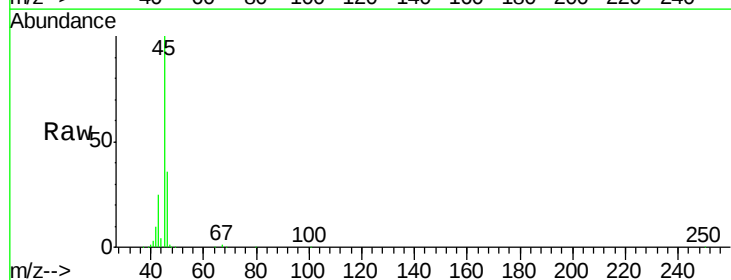
Acq: 7 Dec 2018 18:32

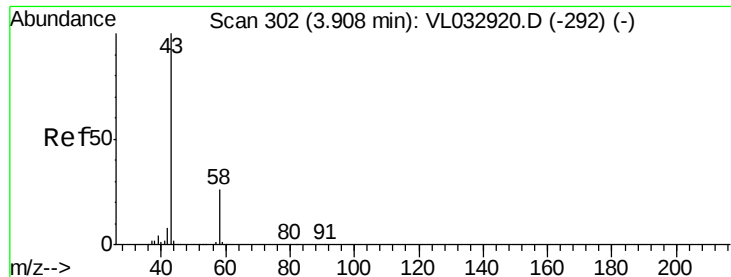
Tgt Ion: 45 Resp: 452112

Ion Ratio Lower Upper

45 100

46 36.3 13.8 55.4





#15

Acetone

Concen: 2.010 ppbv m

RT: 3.91 min Scan# 303

Delta R.T. 0.00 min

Lab File: VL032940.D

Acq: 7 Dec 2018 18:32

Instrument :

MSVOA_L

ClientSampleId :

IA3DL

Tgt Ion: 43 Resp: 230805

Ion Ratio Lower Upper

43 100

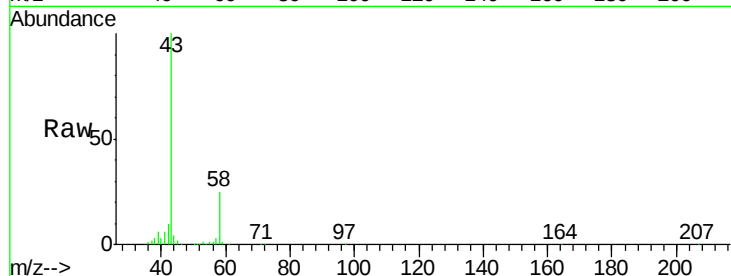
58 27.1 20.6 30.8

Manual Integrations

APPROVED

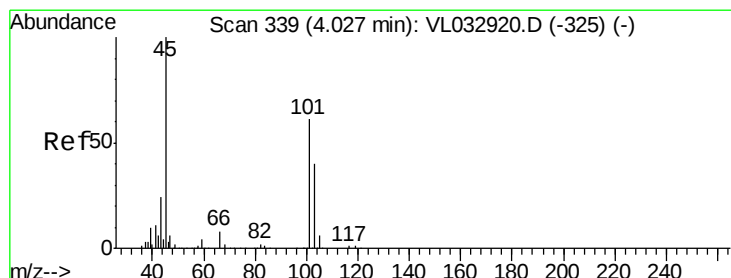
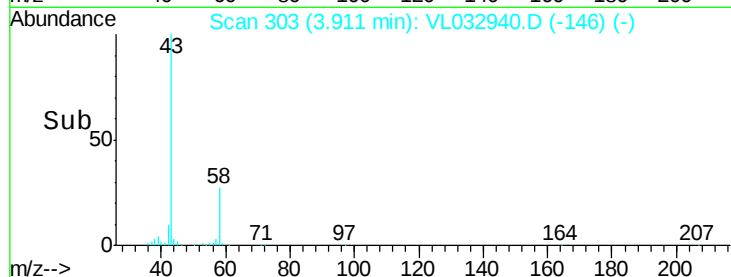
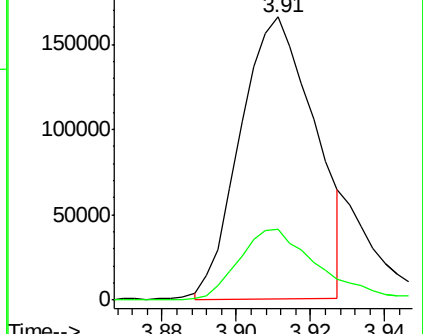
MMDadoda

12/11/2018 10:09:11 AM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 6.039 ppbv

RT: 4.03 min Scan# 339

Delta R.T. 0.00 min

Lab File: VL032940.D

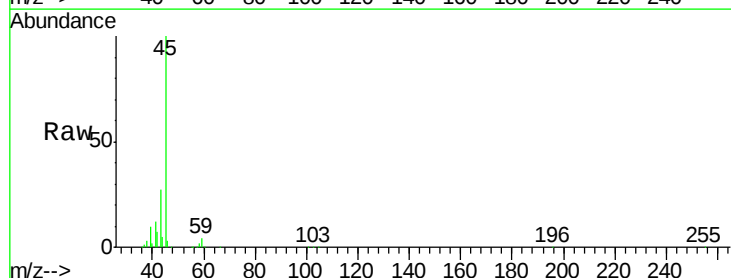
Acq: 7 Dec 2018 18:32

Tgt Ion: 45 Resp: 435566

Ion Ratio Lower Upper

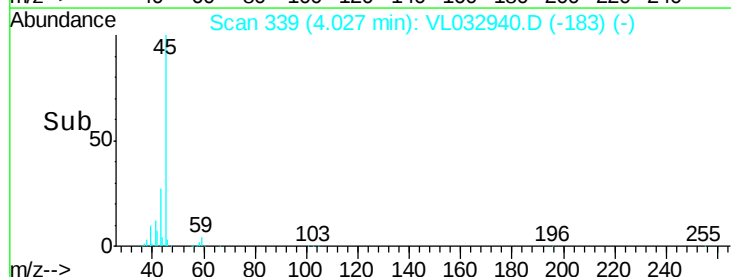
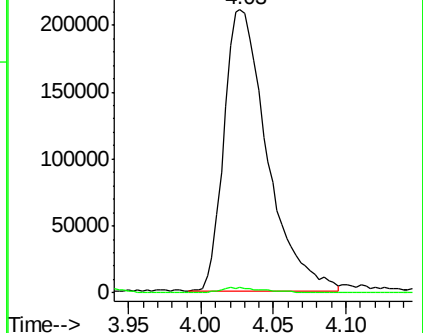
45 100

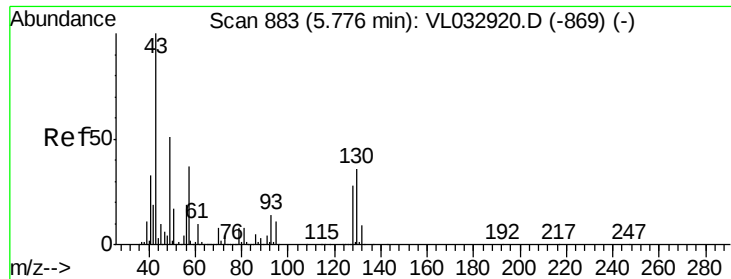
58 2.2 1.4 2.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





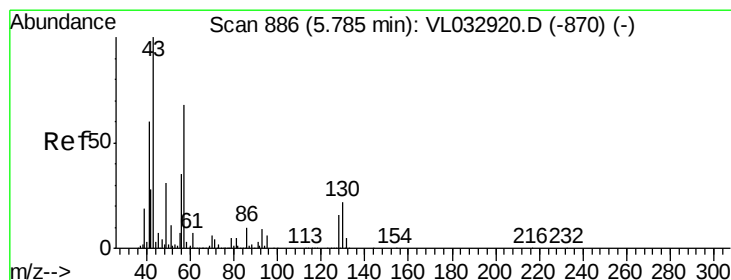
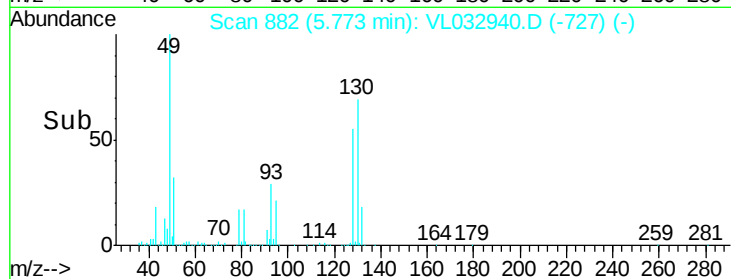
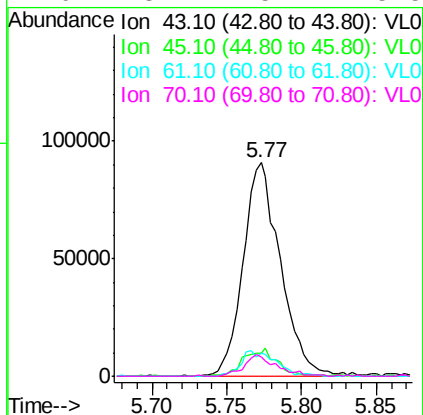
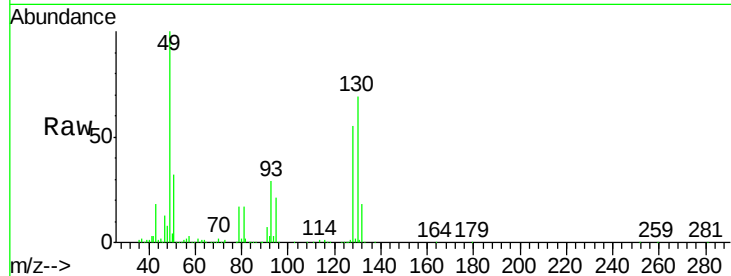
#25
Ethyl Acetate
Concen: 0.581 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Tgt Ion:	43	Resp:	157597
Ion	Ratio	Lower	Upper
43	100		
45	12.1	7.8	11.6#
61	11.3	7.4	11.2#
70	8.7	5.7	8.5#

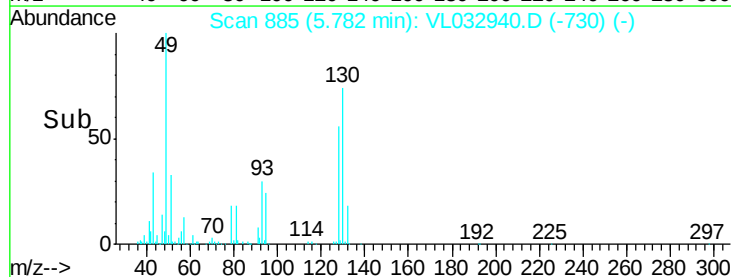
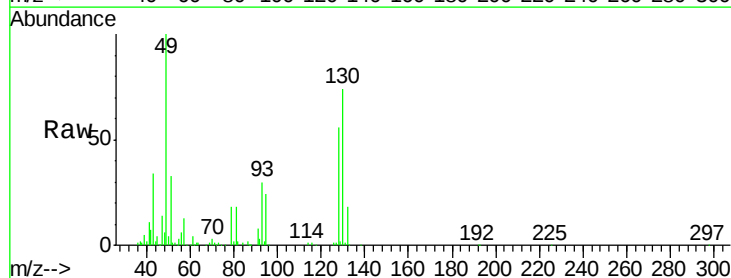
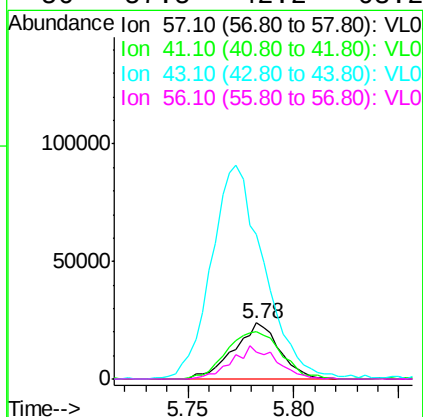
Manual Integrations
APPROVED

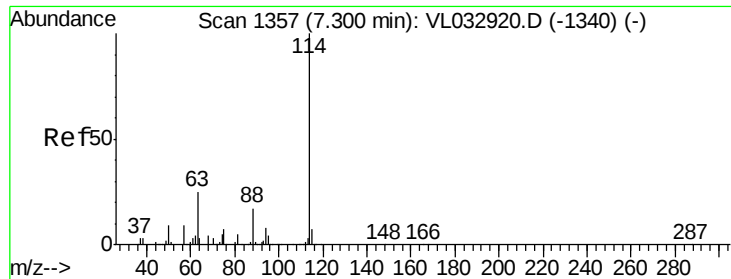
MMDadoda
12/11/2018 10:09:11 AM



#26
Hexane
Concen: 0.286 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Tgt Ion:	57	Resp:	35850
Ion	Ratio	Lower	Upper
57	100		
41	102.6	72.2	108.2
43	442.2	171.9	257.9#
56	57.5	42.2	63.2





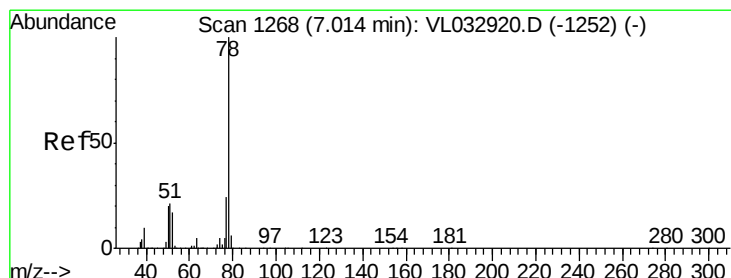
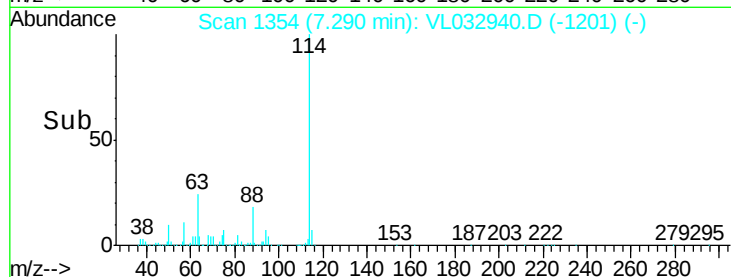
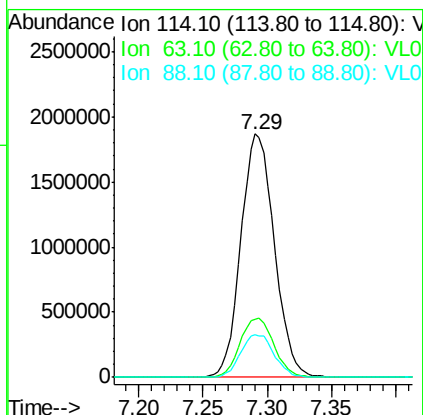
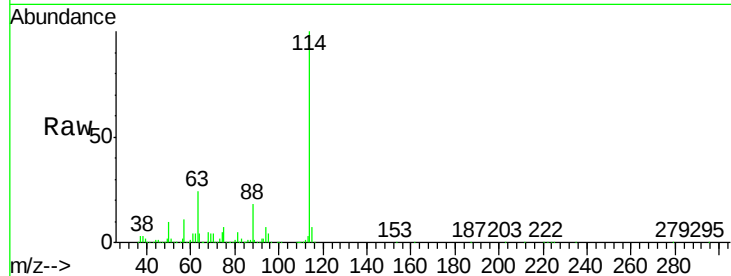
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.01 min
 Lab File: VL032940.D
 Acq: 7 Dec 2018 18:32

Instrument :
 MSVOA_L
 ClientSampled :
 IA3DL

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.8	20.1	30.1
88	17.7	14.2	21.4

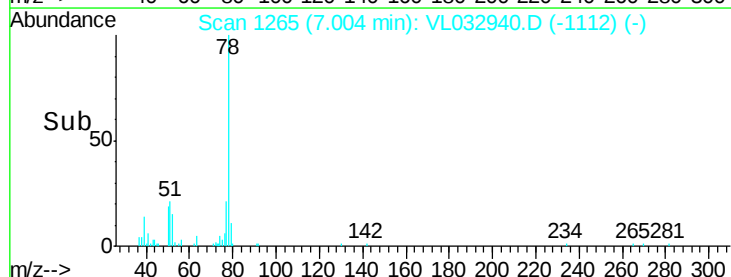
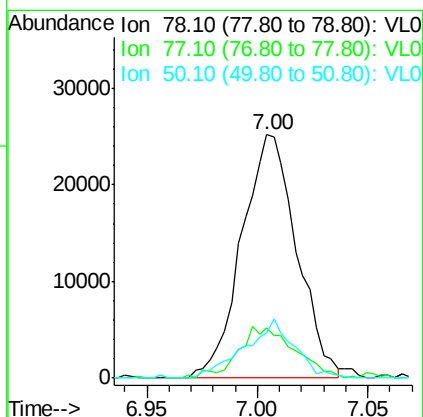
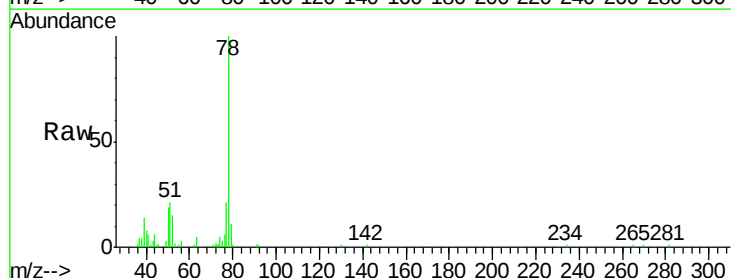
Manual Integrations
 APPROVED

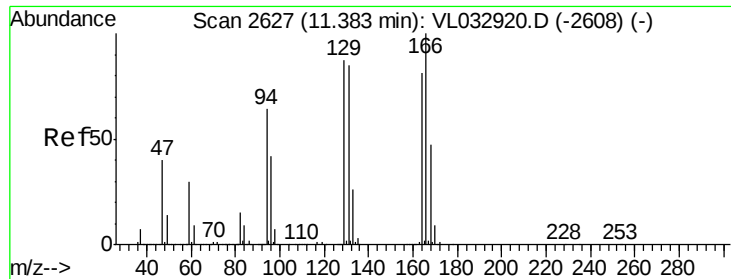
MMDadoda
 12/11/2018 10:09:11 AM



#36
 Benzene
 Concen: 0.175 ppbv
 RT: 7.00 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VL032940.D
 Acq: 7 Dec 2018 18:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.8	18.9	28.3
50	17.8	16.1	24.1





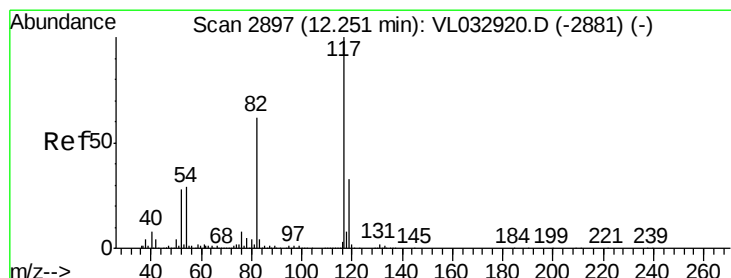
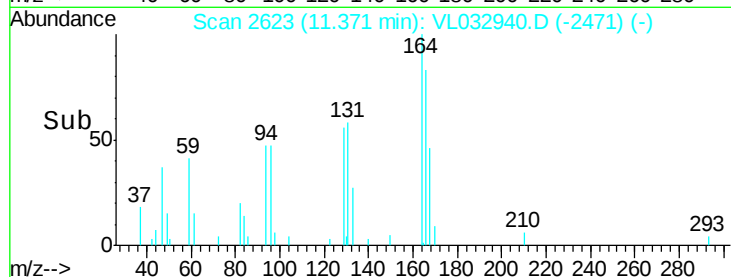
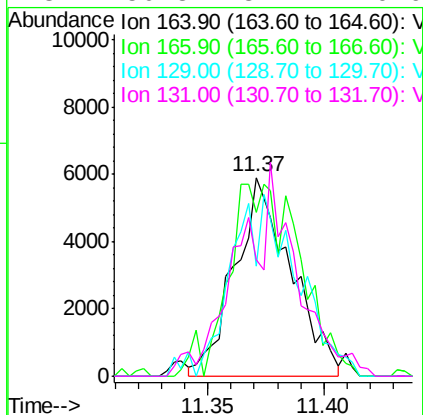
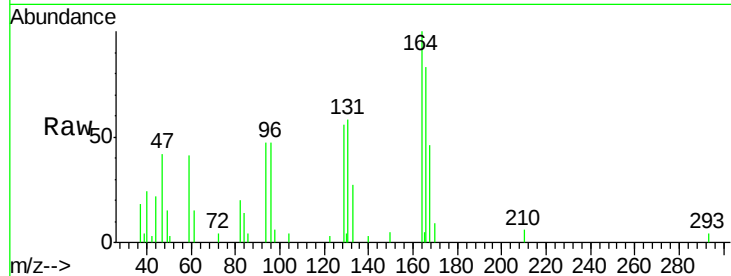
#52
Tetrachloroethene
Concen: 0.110 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	9935		
166	76.4		98.8	148.2#
129	46.6		85.5	128.3#
131	50.8		84.4	126.6#

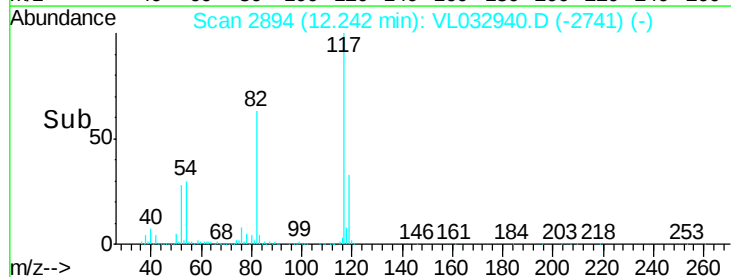
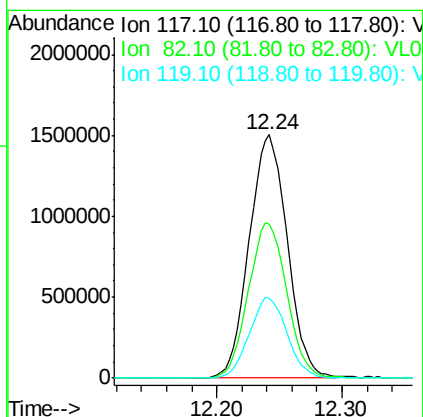
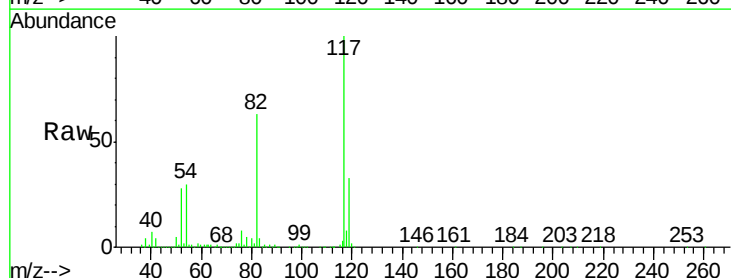
Manual Integrations
APPROVED

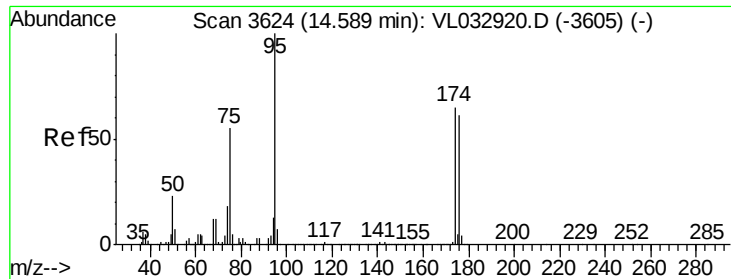
MMDadoda
12/11/2018 10:09:11 AM



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	3170380		
82	64.3		47.8	71.8
119	32.9		43.1	64.7#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.400 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.01 min
 Lab File: VL032940.D
 Acq: 7 Dec 2018 18:32

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DL

Tgt Ion: 95 Resp: 2435942
 Ion Ratio Lower Upper
 95 100
 174 64.9 51.4 77.0
 175 4.8 3.8 5.6

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:09:11 AM

