

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060821\
 Data File : VL037141.D
 Acq On : 8 Jun 2021 20:57
 Operator : SY/AP
 Sample : M2614-06DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-7CDL

Manual Integrations
 APPROVED

MMDadoda
 6/9/2021 4:23:59 PM

Quant Time: Jun 09 03:26:00 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1258686	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	3794460	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3309972	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2493008	10.03	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	12350	0.150	ppbv	96
13) Ethanol	3.62	45	230877	20.956	ppbv	98
15) Acetone	3.86	43	169516m	1.315	ppbv	
19) Isopropyl Alcohol	3.99	45	95615m	1.380	ppbv	
20) Methylene Chloride	4.34	84	109012	1.577	ppbv	87
26) Hexane	5.68	57	60632	0.383	ppbv #	48
53) Toluene	9.81	91	37598	0.097	ppbv	98

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

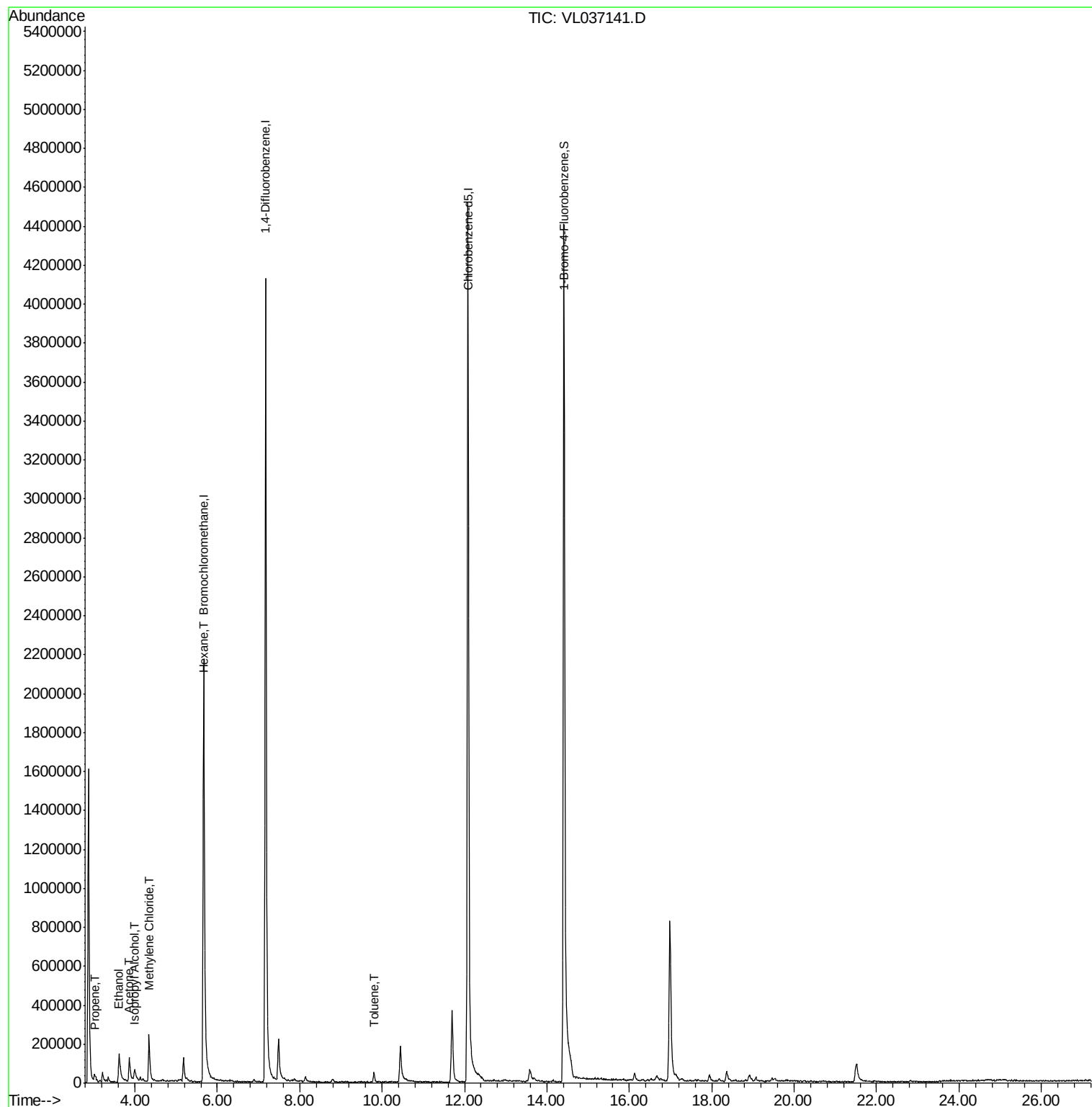
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL060821\
Data File : VL037141.D
Acq On : 8 Jun 2021 20:57
Operator : SY/AP
Sample : M2614-06DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

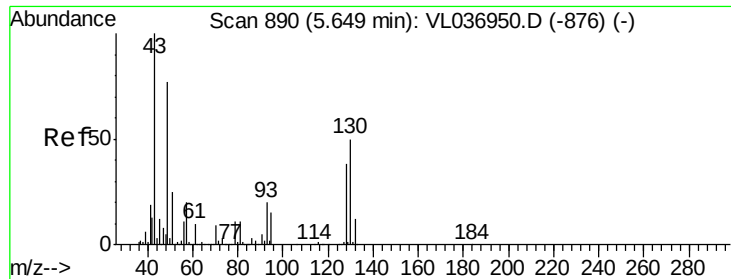
Instrument :
MSVOA_L
ClientSampleId :
SR-7CDL

Manual Integrations
APPROVED

MMDadoda
6/9/2021 4:23:59 PM

Quant Time: Jun 09 03:26:00 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.02 min

Lab File: VL037141.D

Acq: 8 Jun 2021 20:57

Instrument :

MSVOA_L

ClientSampleId :

SR-7CDL

Tot Ion: 49 Resp: 1258686

Ion Ratio Lower Upper

49 100

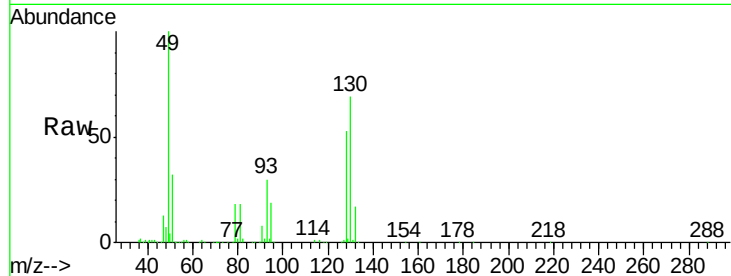
128 56.9 26.9 80.7

130 73.6 33.8 101.4

Manual Integrations
APPROVED

MMDadoda

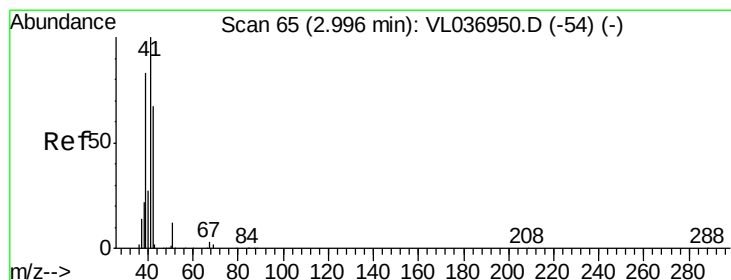
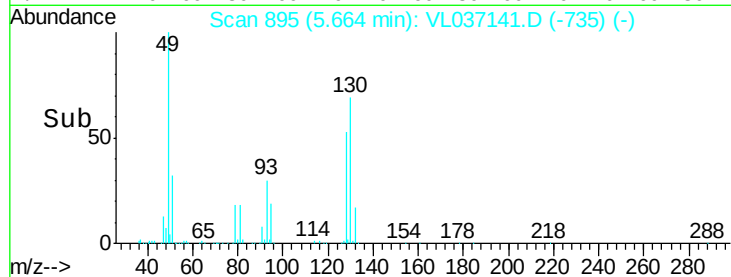
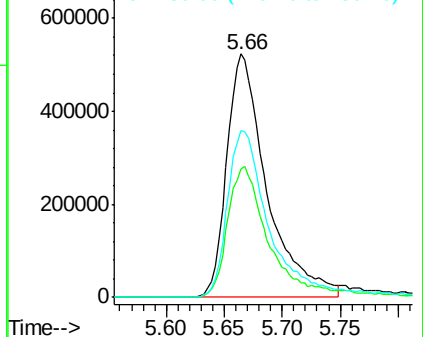
6/9/2021 4:23:59 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.150 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.02 min

Lab File: VL037141.D

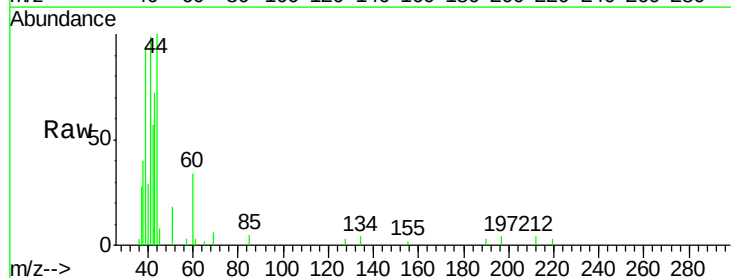
Acq: 8 Jun 2021 20:57

Tgt Ion: 41 Resp: 12350

Ion Ratio Lower Upper

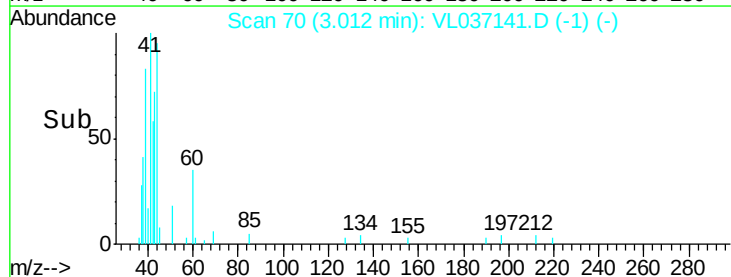
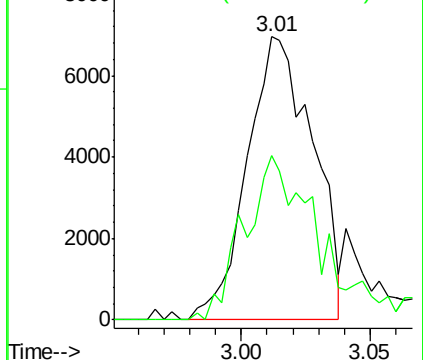
41 100

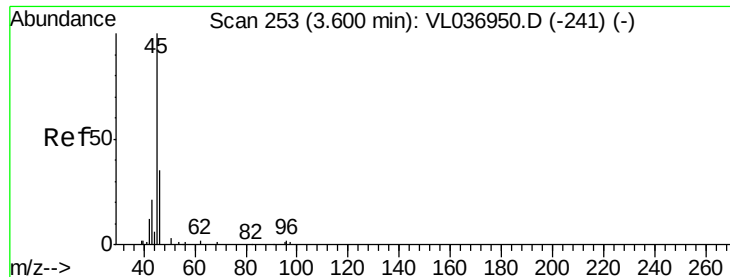
42 64.6 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





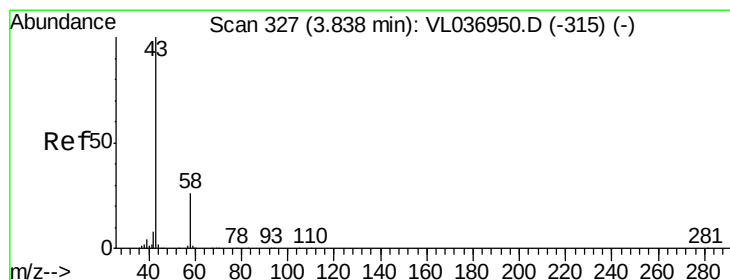
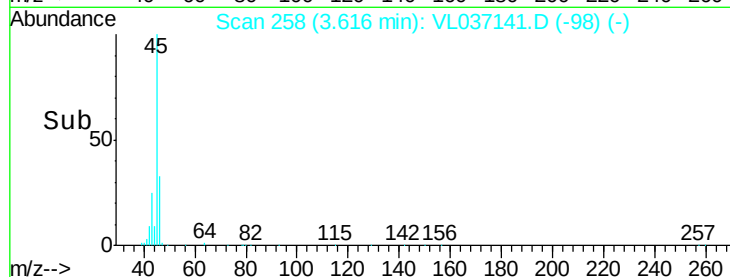
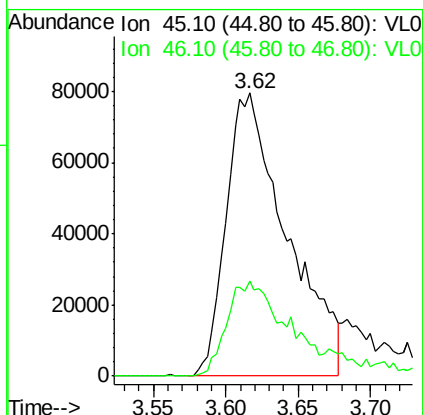
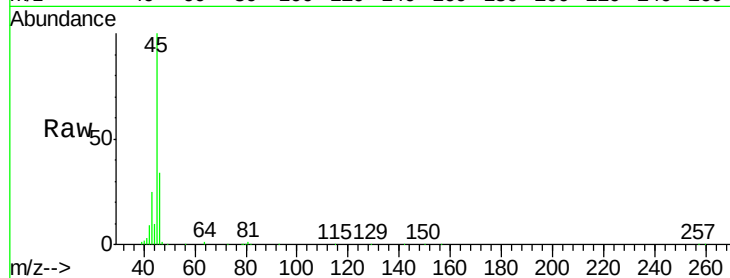
#13
Ethanol
Concen: 20.956 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.02 min
Lab File: VL037141.D
Acq: 8 Jun 2021 20:57

Instrument :
MSVOA_L
ClientSampleId :
SR-7CDL

Tot Ion	45	46	Ratio	Lower	Upper
230877	100	41.8		16.3	65.3

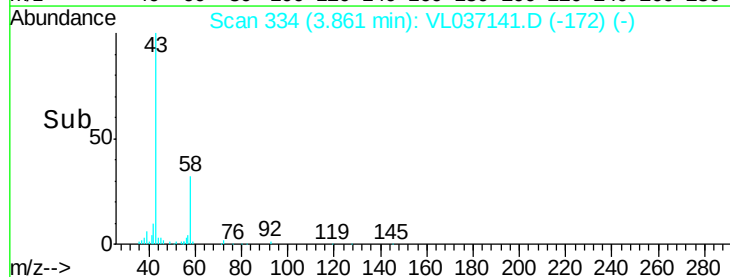
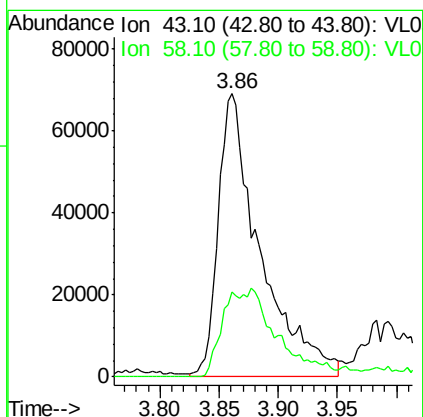
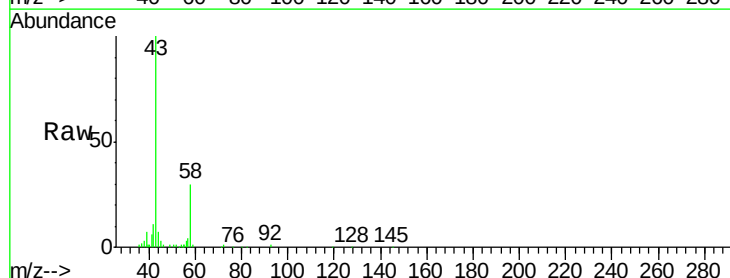
Manual Integrations
APPROVED

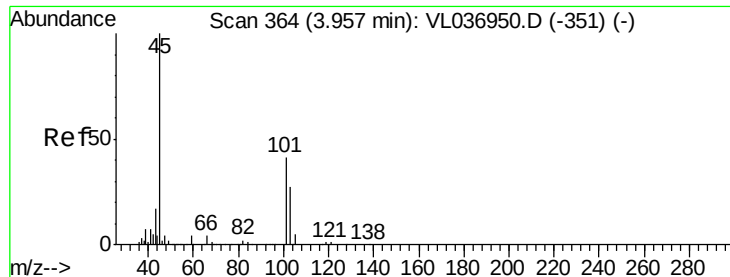
MMDadoda
6/9/2021 4:23:59 PM



#15
Acetone
Concen: 1.315 ppbv m
RT: 3.86 min Scan# 334
Delta R.T. 0.02 min
Lab File: VL037141.D
Acq: 8 Jun 2021 20:57

Tgt Ion	43	58	Ratio	Lower	Upper
169516	100	0.0		24.0	36.0#





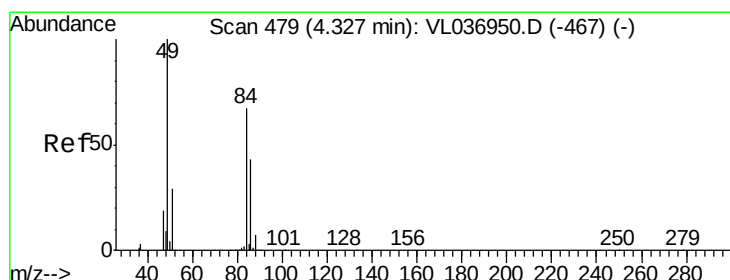
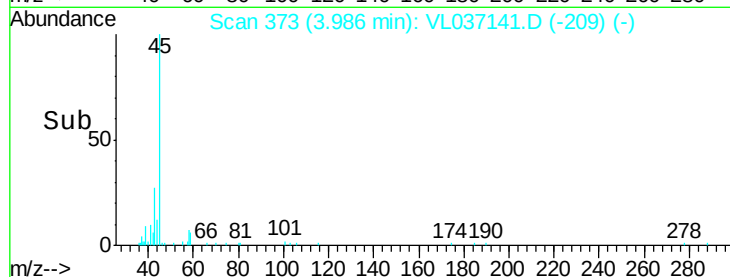
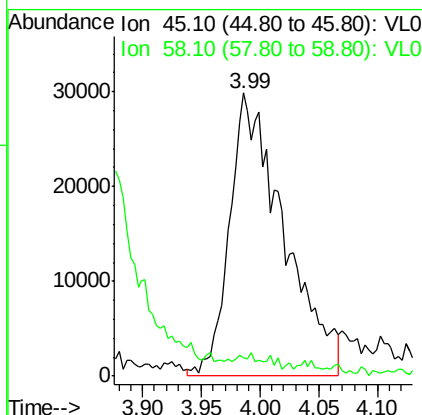
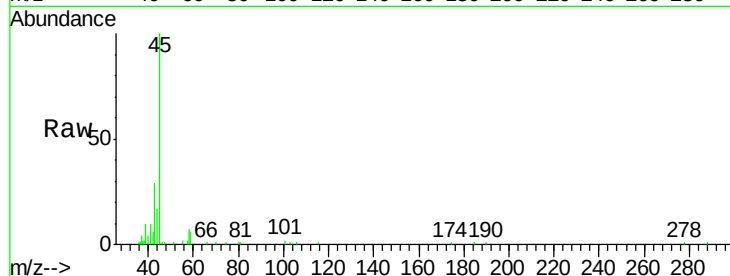
#19
Isopropyl Alcohol
Concen: 1.380 ppbv
RT: 3.99 min Scan# 373
Delta R.T. 0.03 min
Lab File: VL037141.D
Acq: 8 Jun 2021 20:57

Instrument :
MSVOA_L
ClientSampleId :
SR-7CDL

Tot Ion	45	Resp	95615
Ion Ratio	100	Lower	Upper
58	3.5	37.2	55.8#

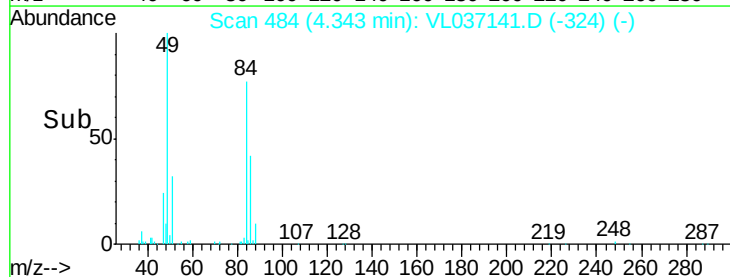
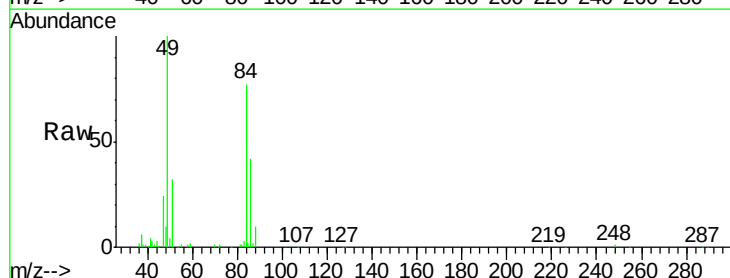
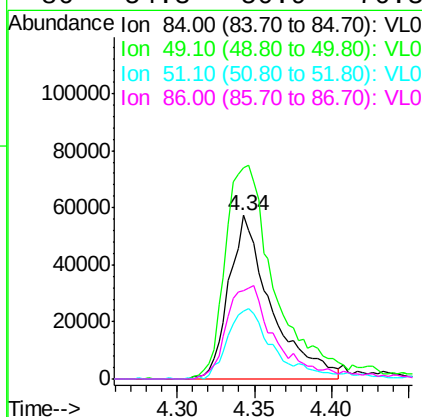
Manual Integrations
APPROVED

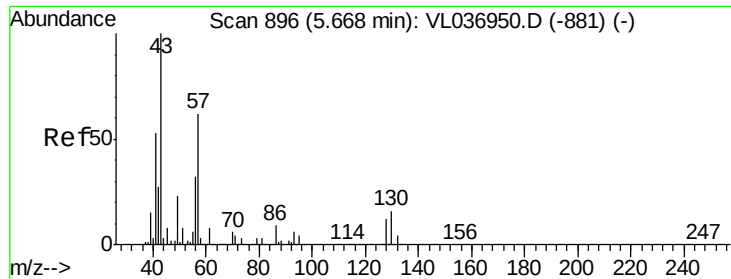
MMDadoda
6/9/2021 4:23:59 PM



#20
Methylene Chloride
Concen: 1.577 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.02 min
Lab File: VL037141.D
Acq: 8 Jun 2021 20:57

Tgt Ion	84	Resp	109012
Ion Ratio	100	Lower	Upper
49	129.3	119.8	179.6
51	40.9	35.1	52.7
86	54.3	50.9	76.3





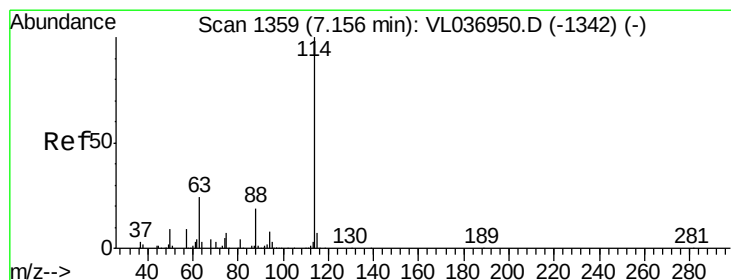
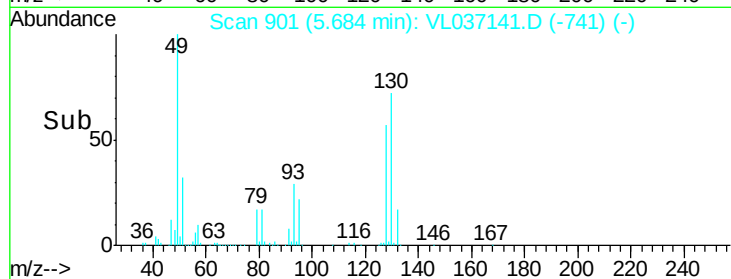
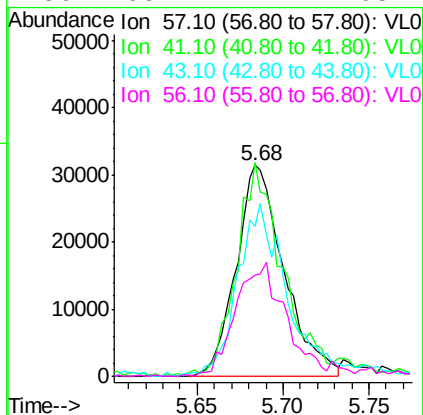
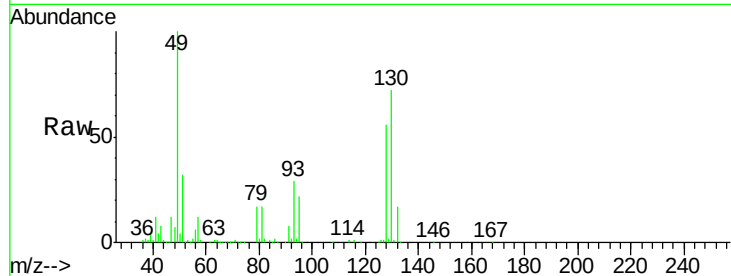
#26
Hexane
Concen: 0.383 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.02 min
Lab File: VL037141.D
Acq: 8 Jun 2021 20:57

Instrument :
MSVOA_L
ClientSampleId :
SR-7CDL

Tot Ion	Ratio	Lower	Upper
57	100		
41	106.4	70.5	105.7#
43	88.1	165.8	248.8#
56	60.4	42.2	63.4

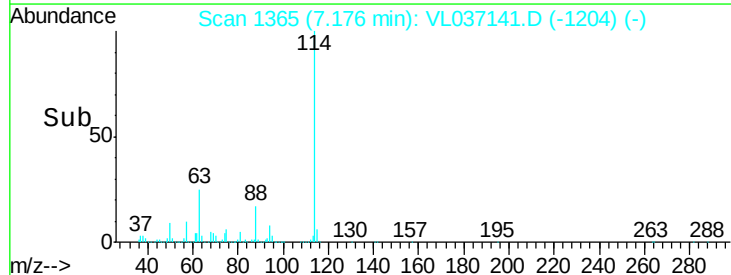
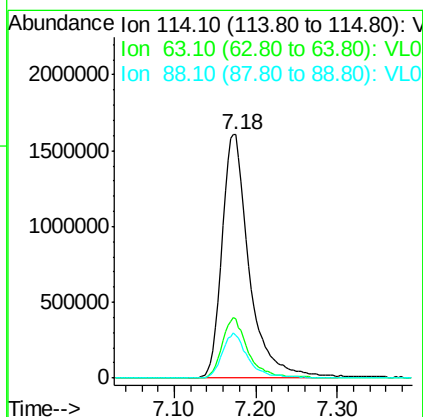
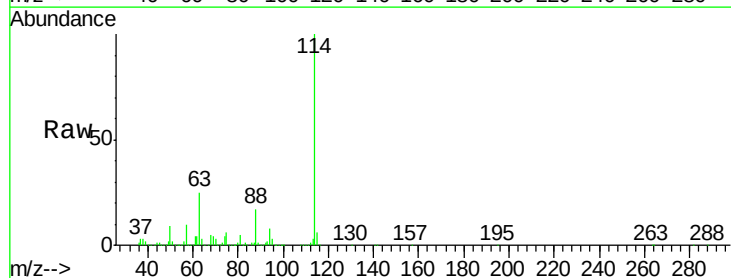
Manual Integrations
APPROVED

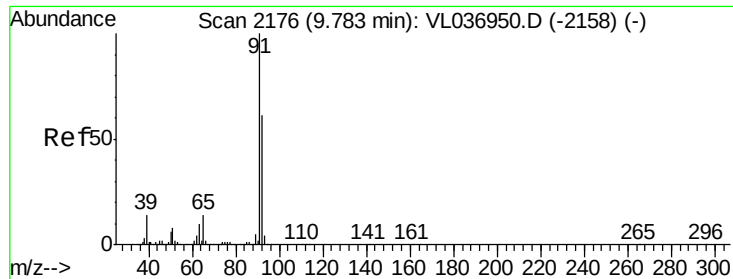
MMDadoda
6/9/2021 4:23:59 PM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.02 min
Lab File: VL037141.D
Acq: 8 Jun 2021 20:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.6	29.4
88	17.8	14.6	21.8





#53

Toluene

Concen: 0.097 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.03 min

Lab File: VL037141.D

Acq: 8 Jun 2021 20:57

Instrument :

MSVOA_L

ClientSampleId :

SR-7CDL

Tot Ion: 91 Resp: 37598

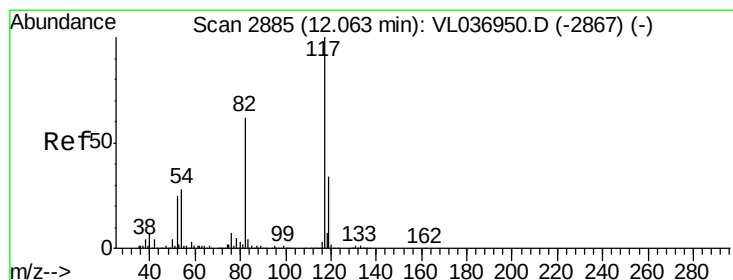
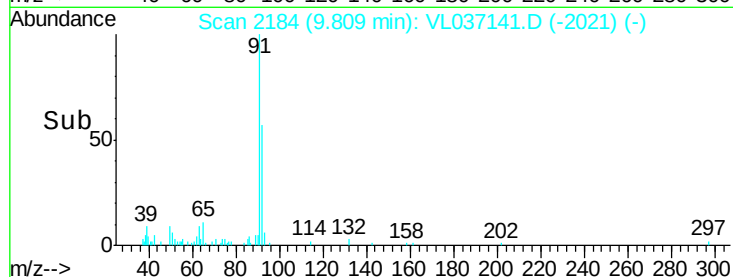
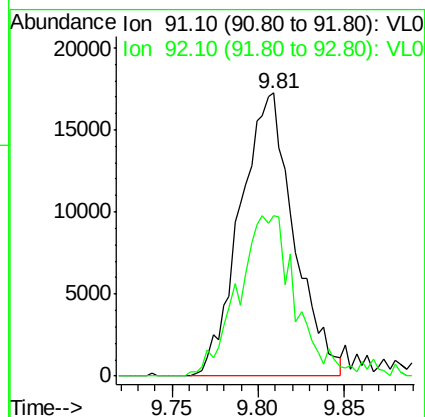
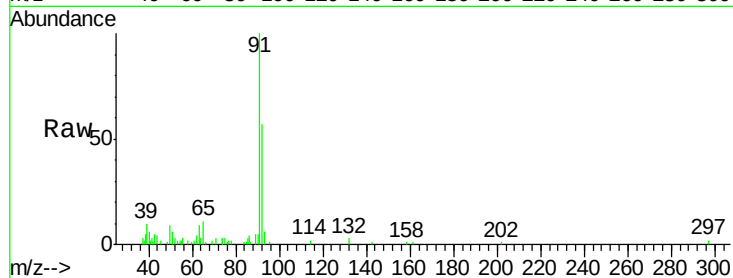
Ion Ratio Lower Upper

91 100

92 60.1 49.5 74.3

Manual Integrations
APPROVED

MMDadoda
6/9/2021 4:23:59 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. 0.02 min

Lab File: VL037141.D

Acq: 8 Jun 2021 20:57

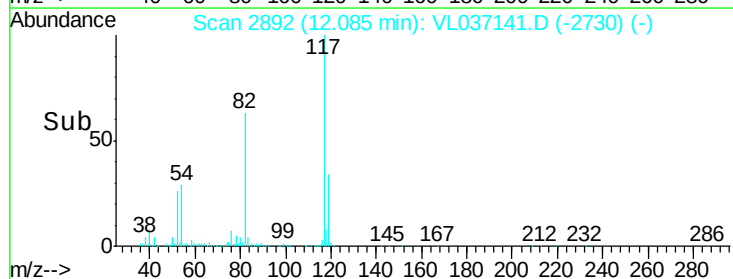
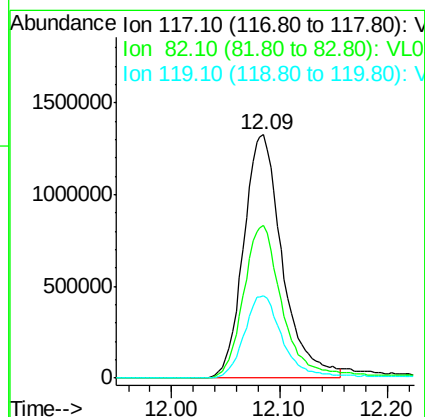
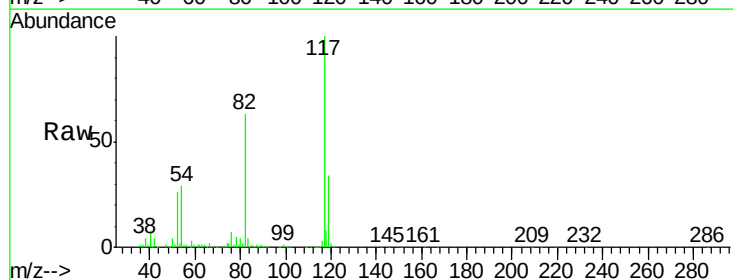
Tgt Ion: 117 Resp: 3309972

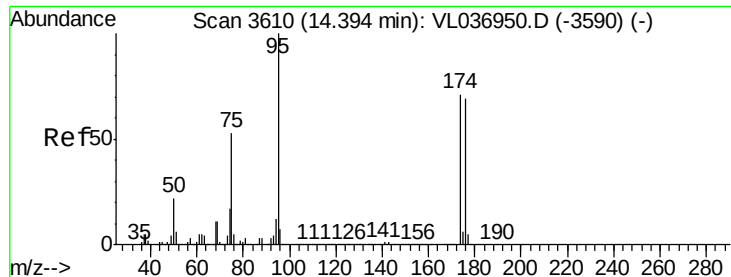
Ion Ratio Lower Upper

117 100

82 65.6 52.6 79.0

119 34.7 46.6 70.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.026 ppbv
 RT: 14.41 min Scan# 3616
 Delta R.T. 0.02 min
 Lab File: VL037141.D
 Acq: 8 Jun 2021 20:57

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-7CDL

Tot Ion: 95 Resp: 2493008
 Ion Ratio Lower Upper
 95 100
 174 74.7 58.4 87.6
 175 5.3 4.4 6.6

Manual Integrations
 APPROVED

MMDadoda
 6/9/2021 4:23:59 PM

