

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091620\
 Data File : VL035631.D
 Acq On : 16 Sep 2020 16:26
 Operator : SY/AP
 Sample : L4026-01DL 4X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 TRC-IA-01DL

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 1:52:29 PM

Quant Time: Sep 17 10:34:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1249598	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4851696	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4788671	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3535129	10.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	20004m	0.145	ppbv	
4) Chloromethane	3.13	50	10522	0.142	ppbv	96
13) Ethanol	3.60	45	3957978	299.614	ppbv	99
15) Acetone	3.84	43	313709	2.276	ppbv	97
20) Methylene Chloride	4.34	84	683603	6.660	ppbv	97
26) Hexane	5.68	57	204565	1.483	ppbv #	48

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

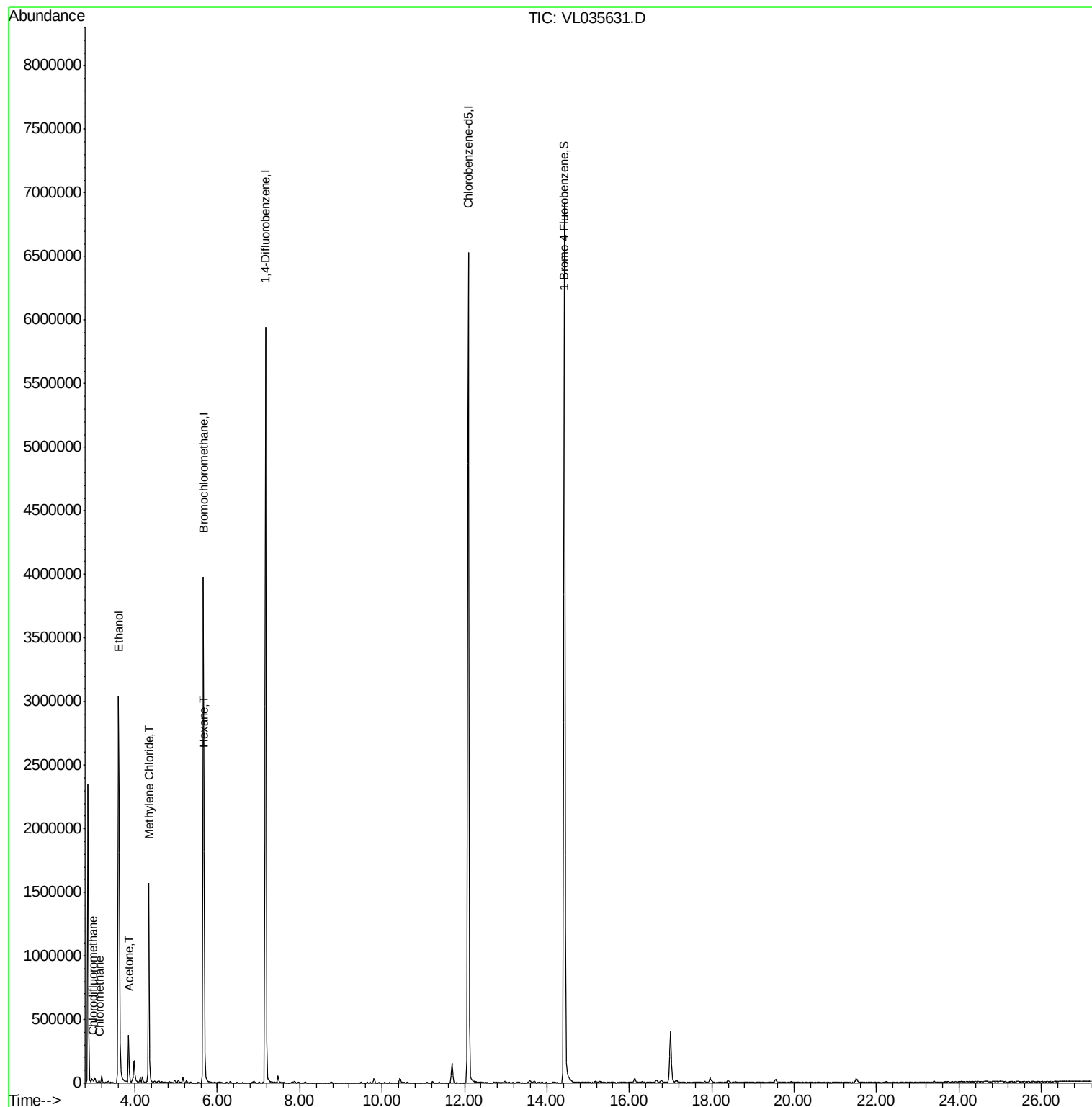
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091620\
Data File : VL035631.D
Acq On : 16 Sep 2020 16:26
Operator : SY/AP
Sample : L4026-01DL 4X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

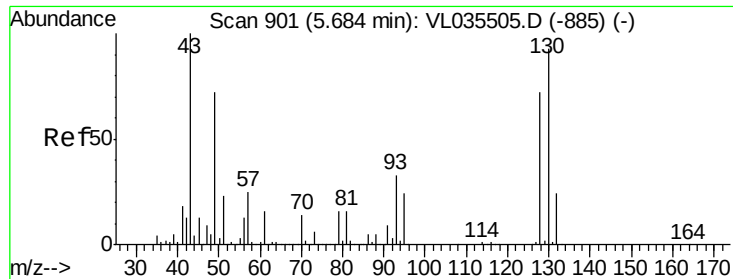
Instrument :
MSVOA_L
ClientSampleId :
TRC-IA-01DL

Manual Integrations
APPROVED

MMDadoda
9/17/2020 1:52:29 PM

Quant Time: Sep 17 10:34:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration





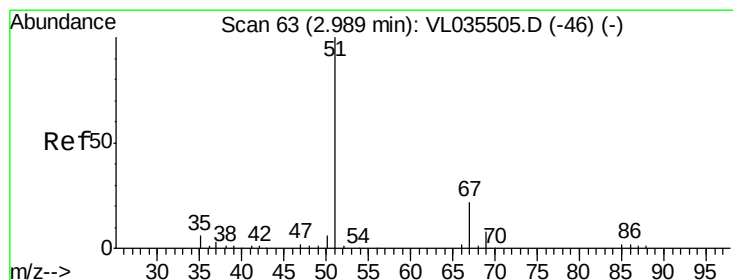
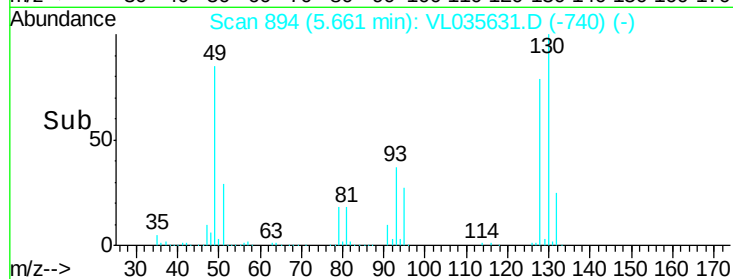
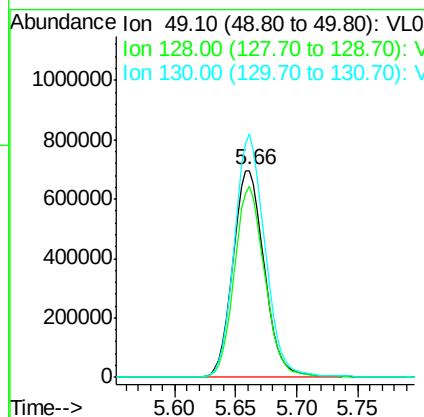
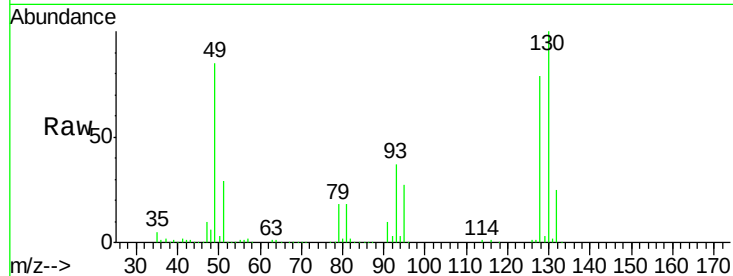
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL035631.D
Acq: 16 Sep 2020 16:26

Instrument :
MSVOA_L
ClientSampled :
TRC-IA-01DL

Tot Ion: 49 Resp: 1249598
Ion Ratio Lower Upper
49 100
128 89.9 50.0 150.1
130 115.2 64.4 193.2

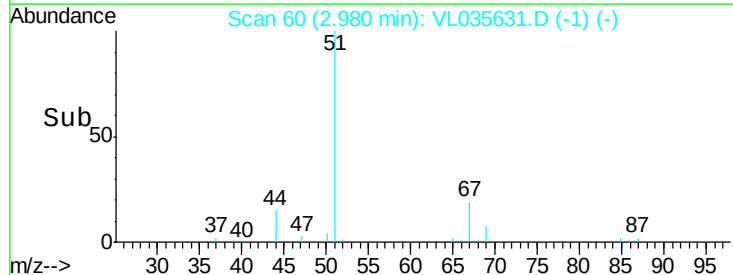
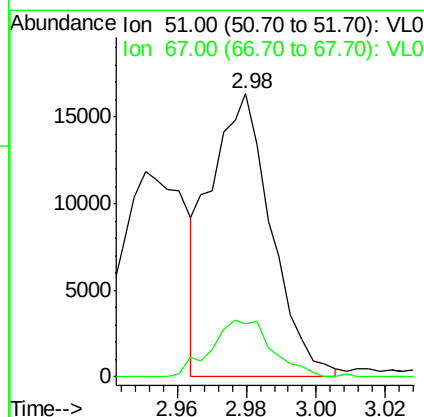
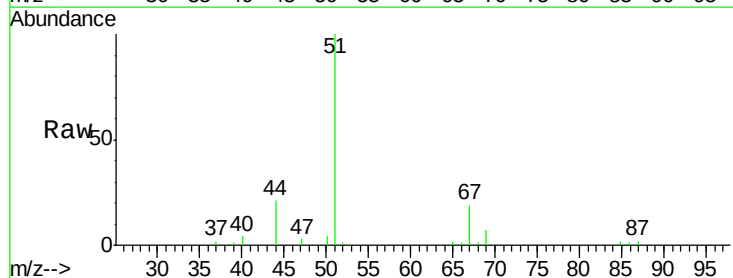
Manual Integrations
APPROVED

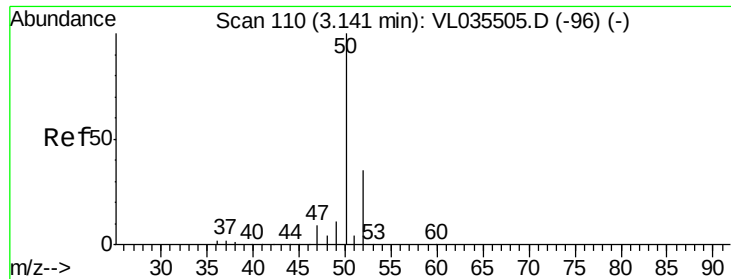
MMDadoda
9/17/2020 1:52:29 PM



#3
Chlorodifluoromethane
Concen: 0.145 ppbv m
RT: 2.98 min Scan# 60
Delta R.T. 0.01 min
Lab File: VL035631.D
Acq: 16 Sep 2020 16:26

Tgt Ion: 51 Resp: 20004
Ion Ratio Lower Upper
51 100
67 20.1 17.8 26.8





#4

Chloromethane

Concen: 0.142 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL035631.D

Acq: 16 Sep 2020 16:26

Instrument :

MSVOA_L

ClientSampleId :

TRC-IA-01DL

Tot Ion: 50 Resp: 10522

Ion Ratio Lower Upper

50 100

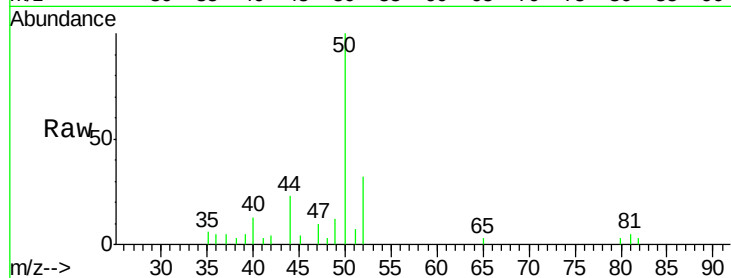
52 32.1 27.7 41.5

Manual Integrations

APPROVED

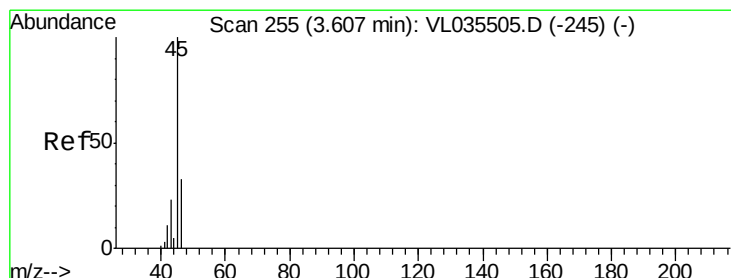
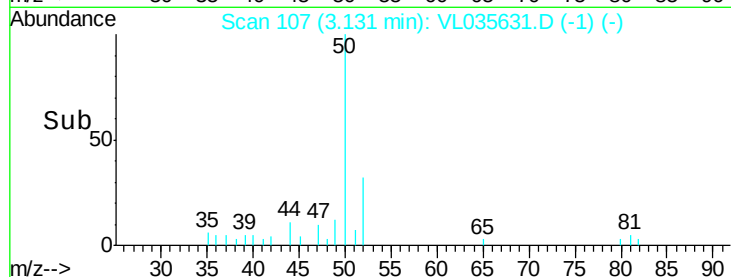
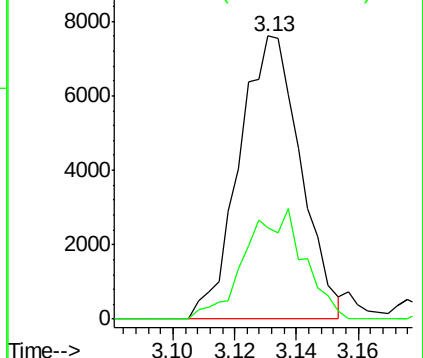
MMDadoda

9/17/2020 1:52:29 PM



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#13

Ethanol

Concen: 299.614 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.01 min

Lab File: VL035631.D

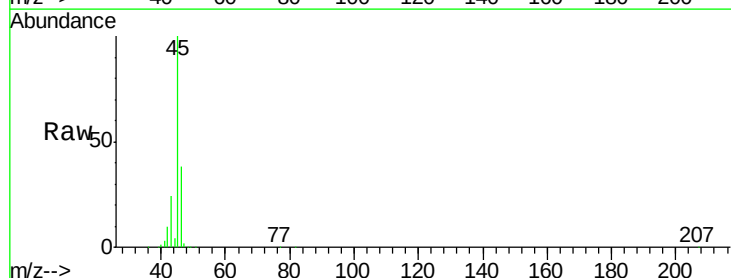
Acq: 16 Sep 2020 16:26

Tgt Ion: 45 Resp: 3957978

Ion Ratio Lower Upper

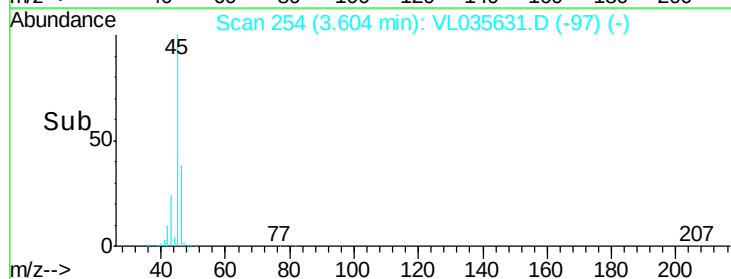
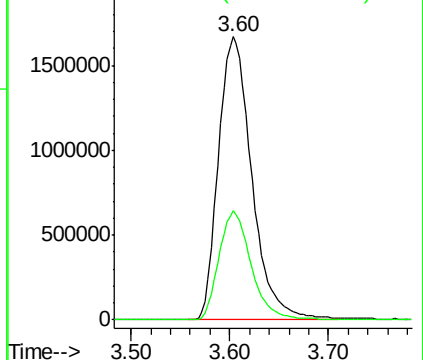
45 100

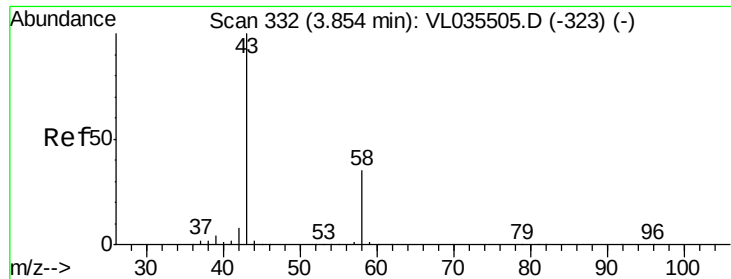
46 37.5 15.2 60.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 2.276 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL035631.D

Acq: 16 Sep 2020 16:26

Instrument :

MSVOA_L

ClientSampled :

TRC-IA-01DL

Tot Ion: 43 Resp: 313709

Ion Ratio Lower Upper

43 100

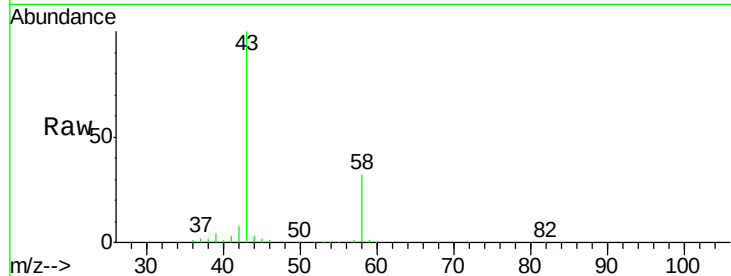
58 37.0 28.4 42.6

Manual Integrations

APPROVED

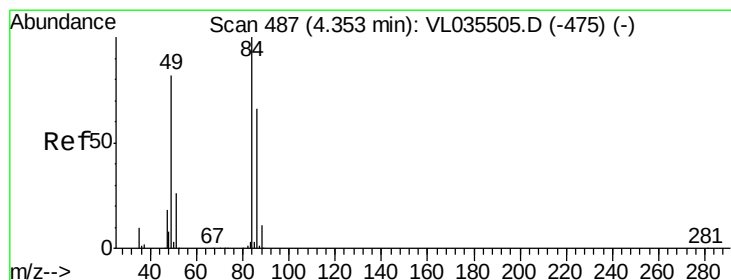
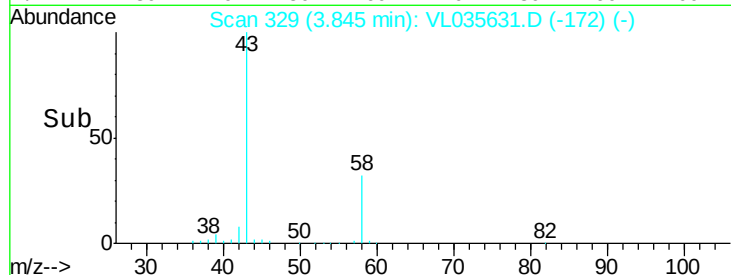
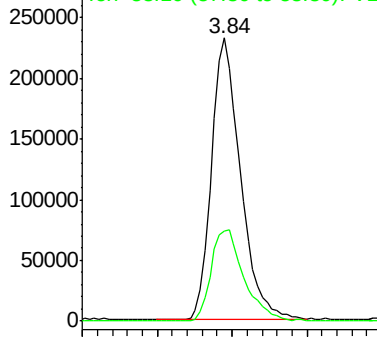
MMDadoda

9/17/2020 1:52:29 PM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 6.660 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL035631.D

Acq: 16 Sep 2020 16:26

Tgt Ion: 84 Resp: 683603

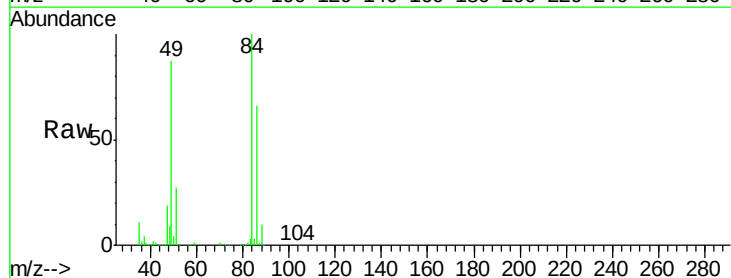
Ion Ratio Lower Upper

84 100

49 86.9 65.4 98.0

51 27.0 21.5 32.3

86 66.2 52.9 79.3

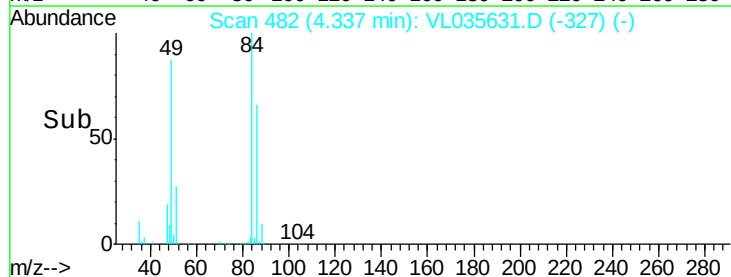
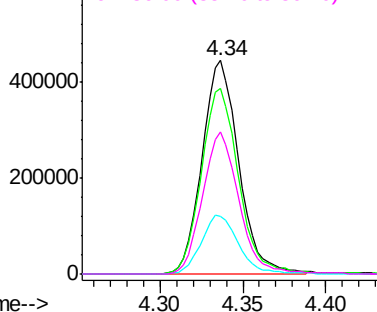


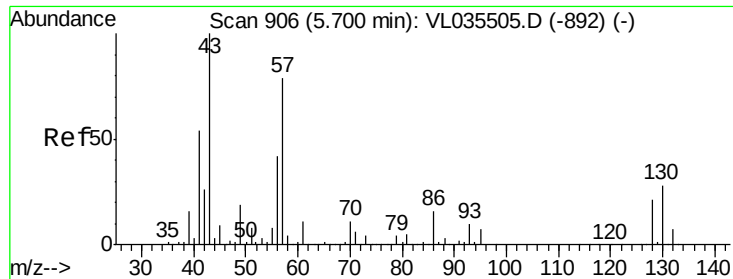
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





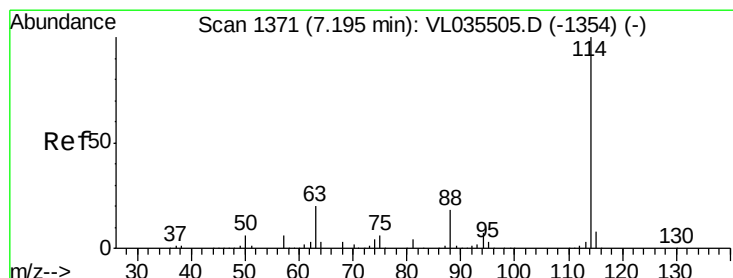
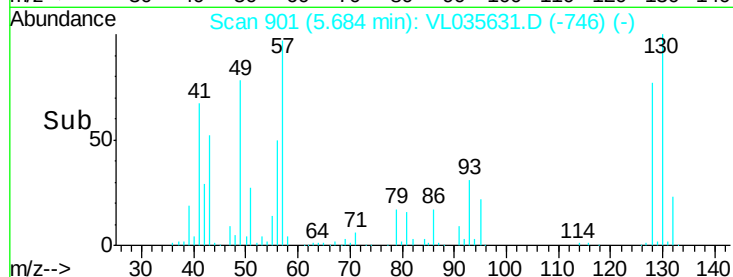
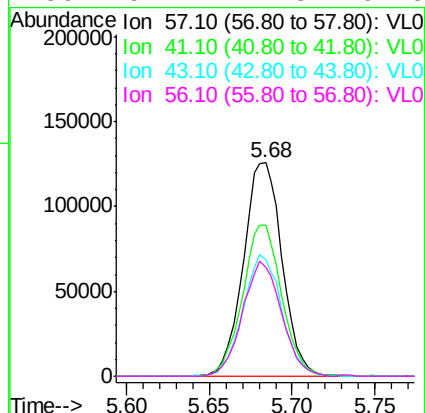
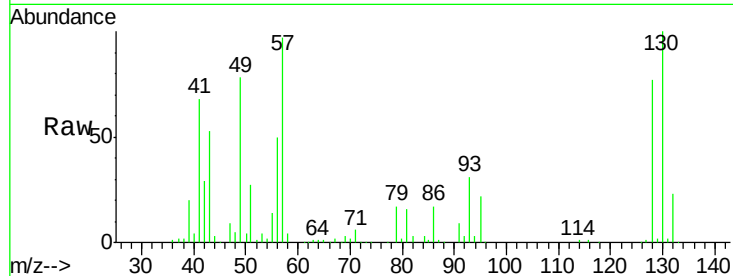
#26
Hexane
Concen: 1.483 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL035631.D
Acq: 16 Sep 2020 16:26

Instrument :
MSVOA_L
ClientSampleId :
TRC-IA-01DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	71.8	55.9	83.9
43	57.0	141.8	212.8#
56	54.4	41.8	62.8

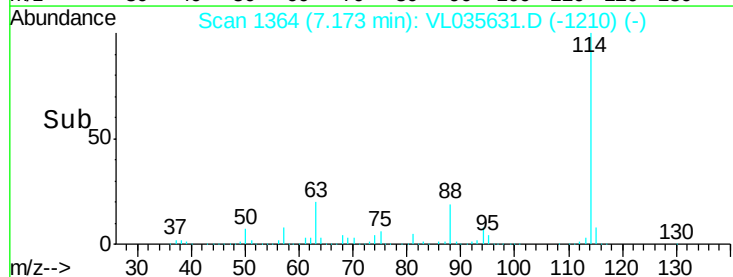
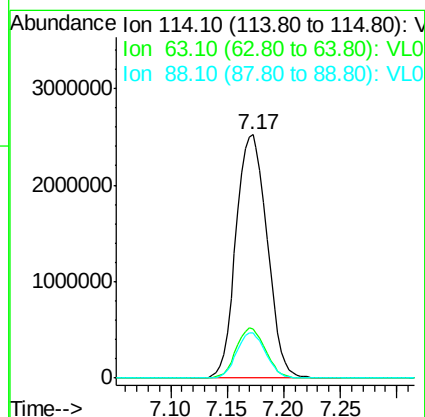
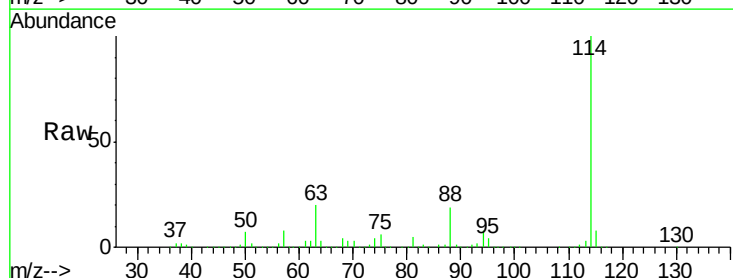
Manual Integrations
APPROVED

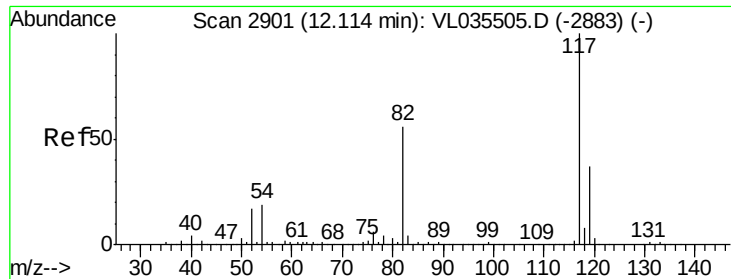
MMDadoda
9/17/2020 1:52:29 PM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.00 min
Lab File: VL035631.D
Acq: 16 Sep 2020 16:26

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	14.7	22.1
88	17.5	13.4	20.2





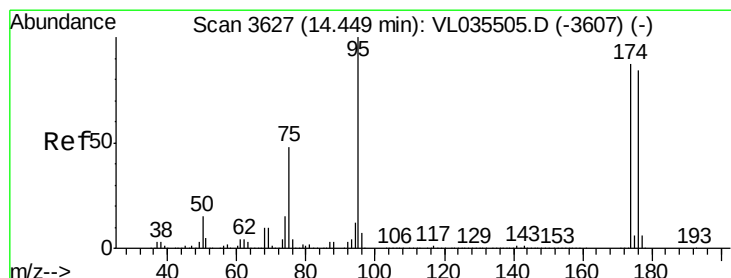
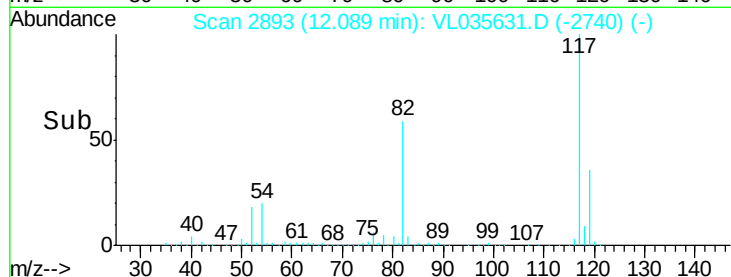
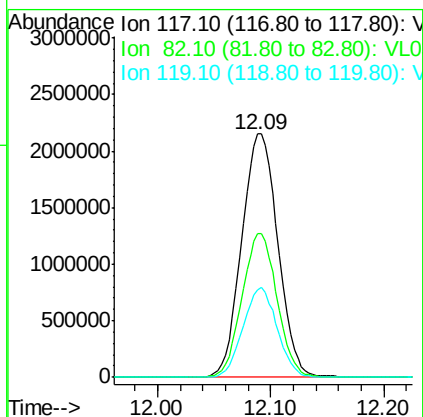
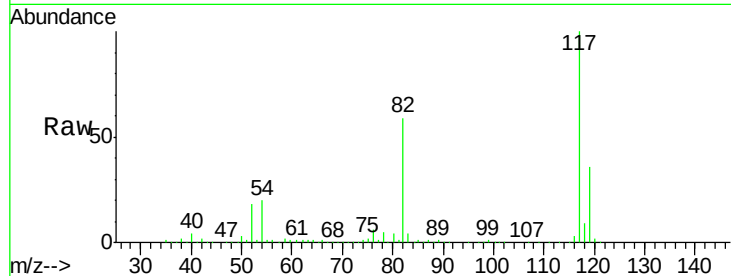
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL035631.D
Acq: 16 Sep 2020 16:26

Instrument :
MSVOA_L
ClientSampleId :
TRC-IA-01DL

Tot Ion:117 Resp: 4788671
Ion Ratio Lower Upper
117 100
82 57.5 41.6 62.4
119 35.0 29.3 43.9

Manual Integrations
APPROVED

MMDadoda
9/17/2020 1:52:29 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.395 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL035631.D
Acq: 16 Sep 2020 16:26

Tgt Ion: 95 Resp: 3535129
Ion Ratio Lower Upper
95 100
174 79.4 69.6 104.4
175 5.8 5.1 7.7

