

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112420\
 Data File : VL036011.D
 Acq On : 25 Nov 2020 2:18
 Operator : SY/AP
 Sample : L4883-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

MMDadoda
 11/27/2020 1:15:59 PM

Quant Time: Nov 25 07:29:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1406572	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4923912	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4516537	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3385149	10.55	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	11366m	0.184	ppbv	
13) Ethanol	3.58	45	1395262	104.319	ppbv	98
15) Acetone	3.83	43	328661	2.186	ppbv	98
17) tert-Butyl alcohol	4.28	59	19151m	0.096	ppbv	
19) Isopropyl Alcohol	3.95	45	1318398	14.267	ppbv	99
20) Methylene Chloride	4.32	84	106516	1.006	ppbv	99
26) Hexane	5.66	57	37897	0.232	ppbv #	60
34) 2-Butanone	5.23	43	20655m	0.129	ppbv	

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

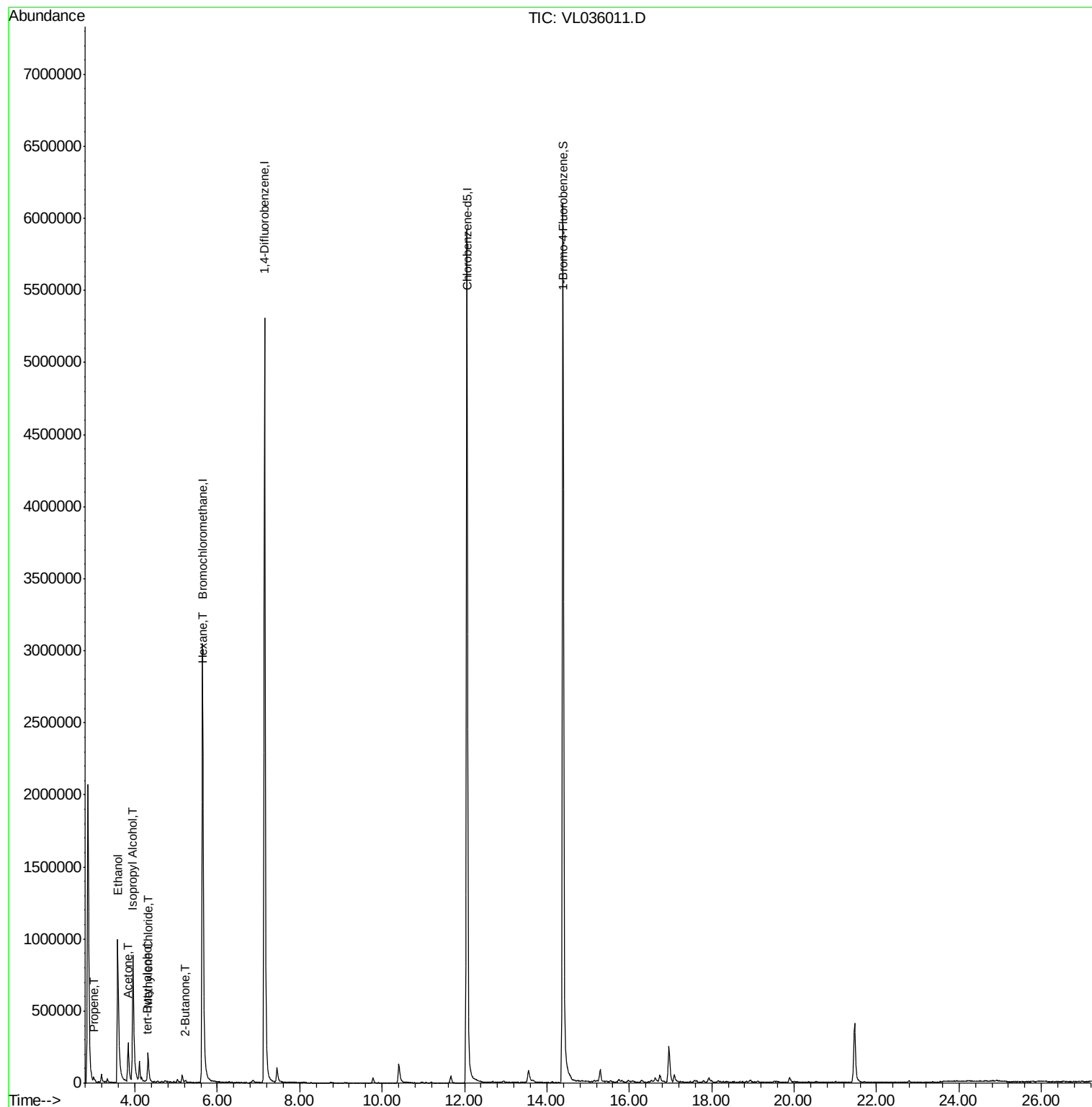
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL112420\
Data File : VL036011.D
Acq On : 25 Nov 2020 2:18
Operator : SY/AP
Sample : L4883-01DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

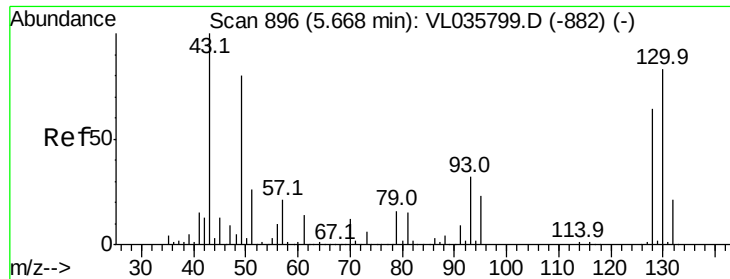
Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Manual Integrations
APPROVED

MMDadoda
11/27/2020 1:15:59 PM

Quant Time: Nov 25 07:29:46 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.03 min

Lab File: VL036011.D

Acq: 25 Nov 2020 2:18

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tot Ion: 49 Resp: 1406572

Ion Ratio Lower Upper

49 100

128 77.0 41.5 124.6

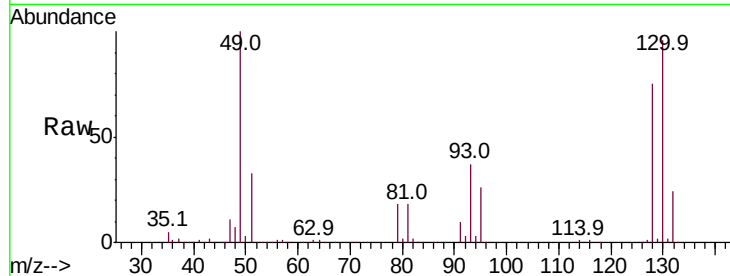
130 98.6 53.7 161.1

Manual Integrations

APPROVED

MMDadoda

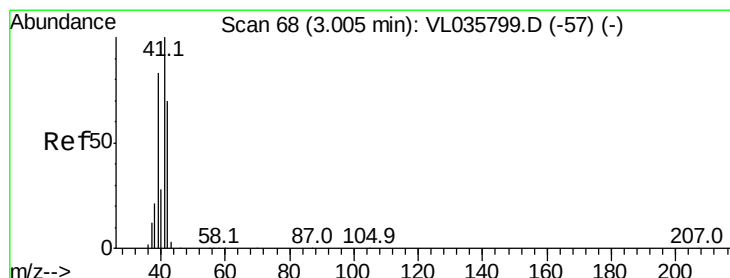
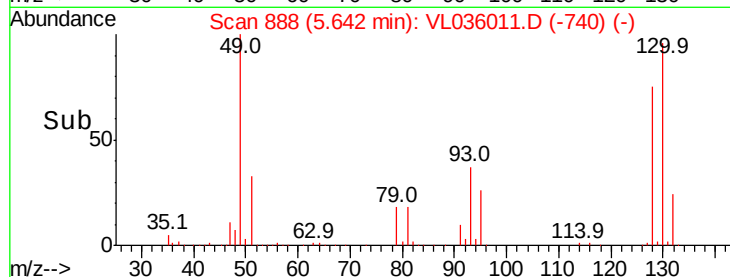
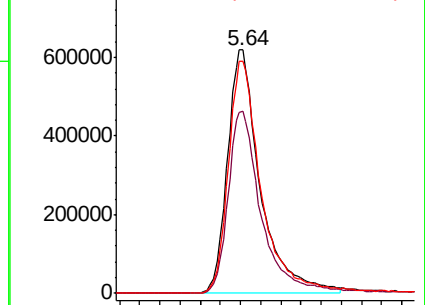
11/27/2020 1:15:59 PM



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: 0.184 ppbv m

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL036011.D

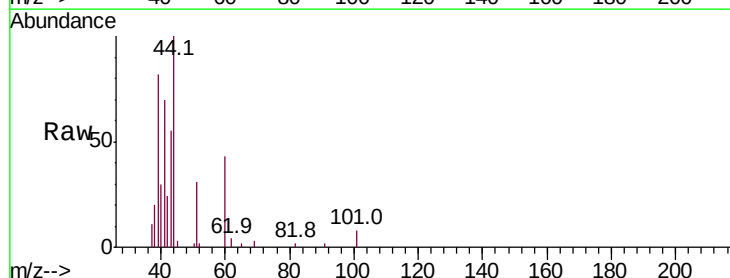
Acq: 25 Nov 2020 2:18

Tgt Ion: 41 Resp: 11366

Ion Ratio Lower Upper

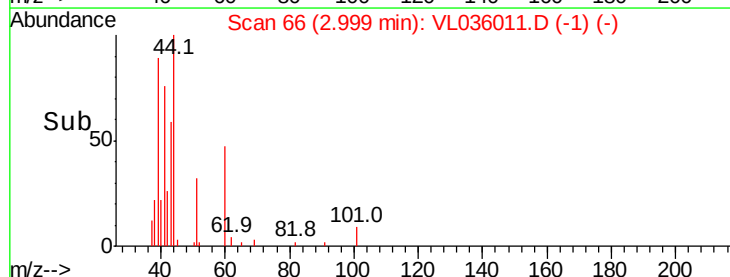
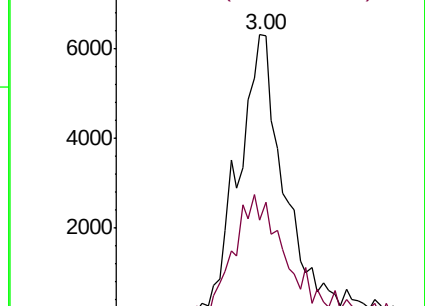
41 100

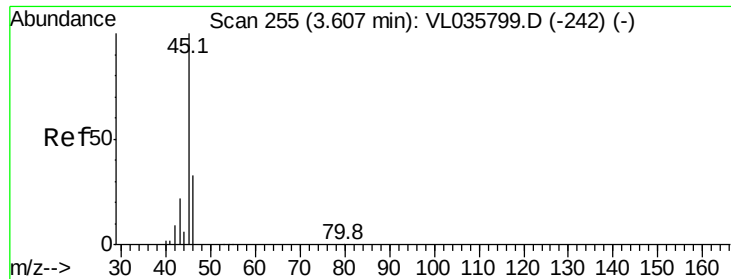
42 52.8 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 104.319 ppbv

RT: 3.58 min Scan# 248

Delta R.T. -0.02 min

Lab File: VL036011.D

Acq: 25 Nov 2020 2:18

Instrument :

MSVOA_L

ClientSampled :

IA1DL

Tot Ion: 45 Resp: 1395262

Ion Ratio Lower Upper

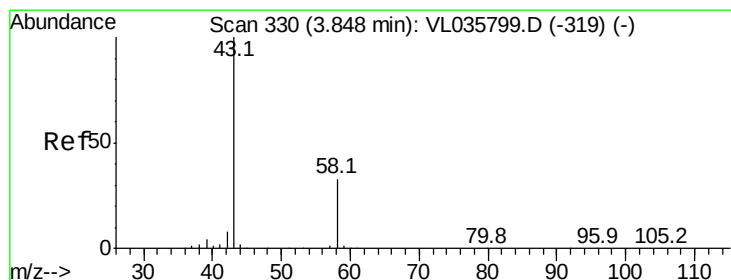
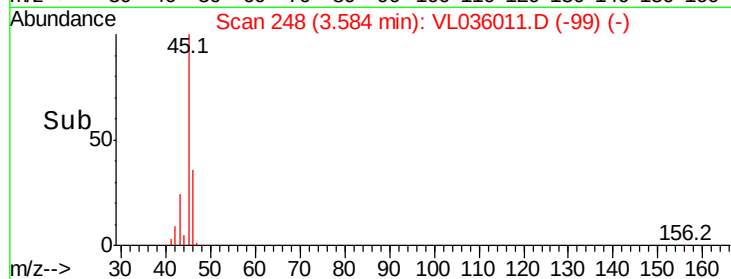
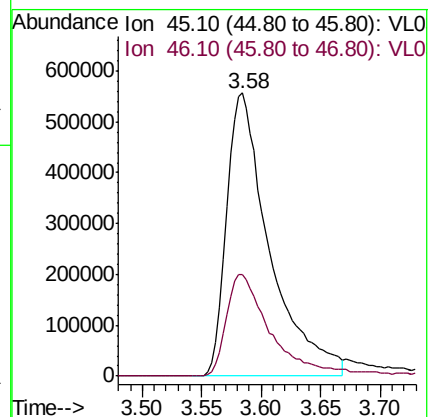
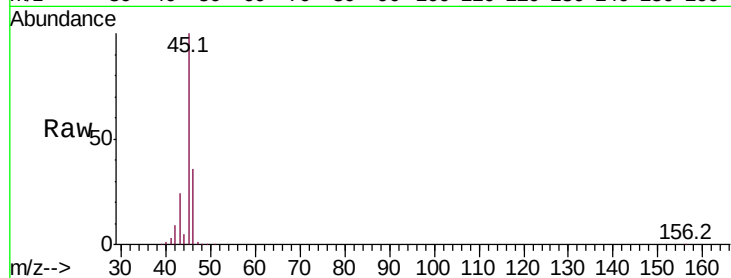
45 100

46 39.0 16.1 64.5

Manual Integrations
APPROVED

MMDadoda

11/27/2020 1:15:59 PM



#15

Acetone

Concen: 2.186 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.02 min

Lab File: VL036011.D

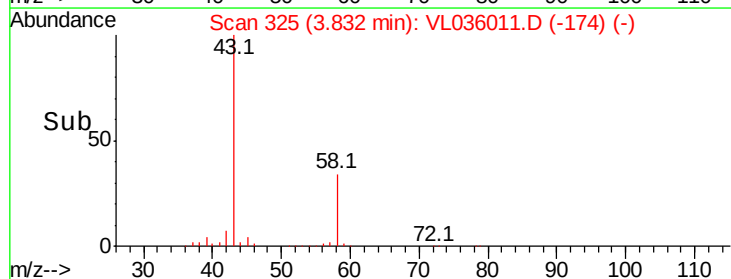
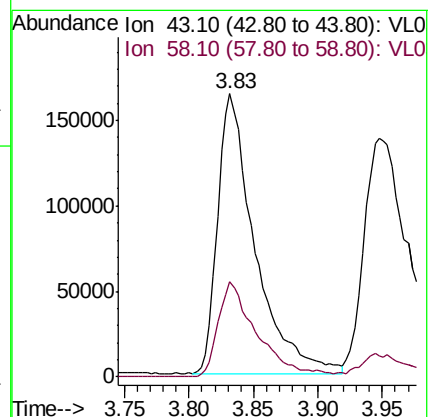
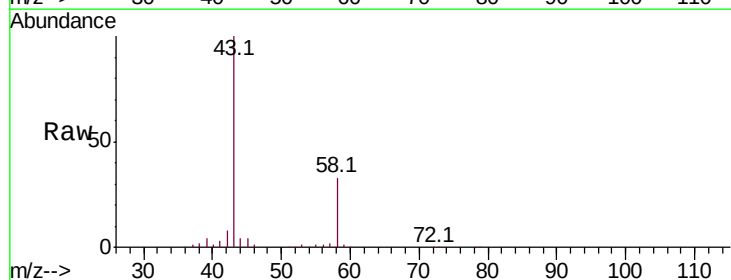
Acq: 25 Nov 2020 2:18

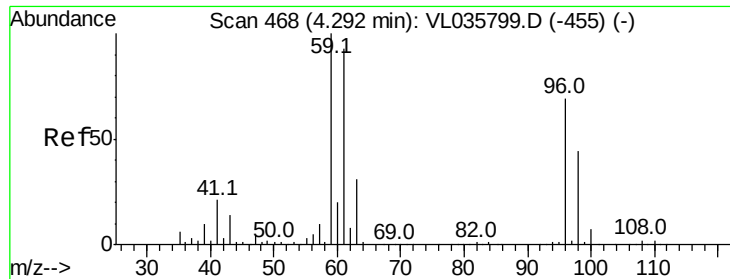
Tgt Ion: 43 Resp: 328661

Ion Ratio Lower Upper

43 100

58 35.8 27.5 41.3





#17

tert-Butyl alcohol

Concen: 0.096 ppbv m

RT: 4.28 min Scan# 465

Delta R.T. -0.01 min

Lab File: VL036011.D

Acq: 25 Nov 2020 2:18

Instrument :

MSVOA_L

ClientSampled :

IA1DL

Tot Ion: 59 Resp: 19151

Ion Ratio Lower Upper

59 100

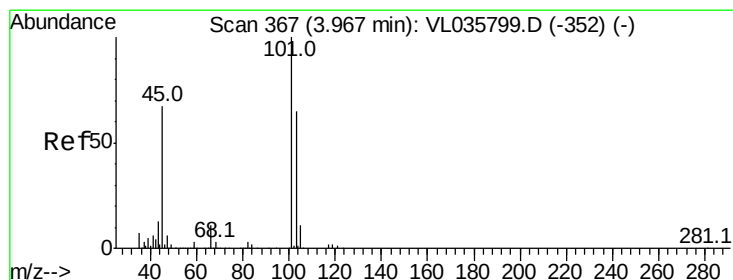
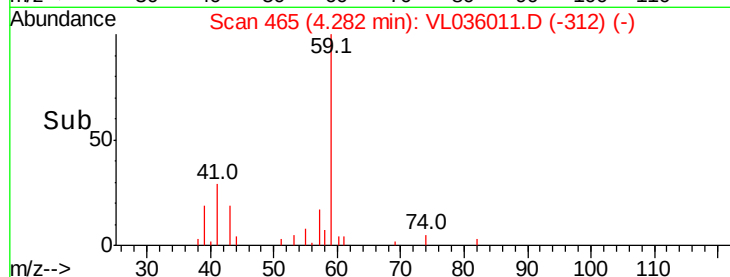
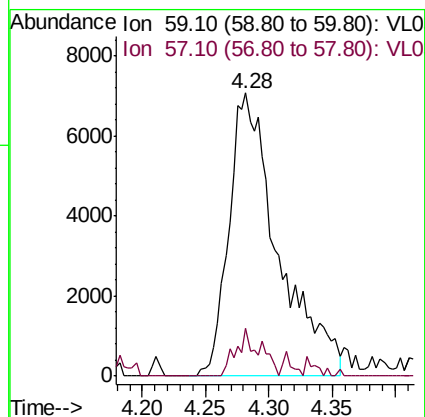
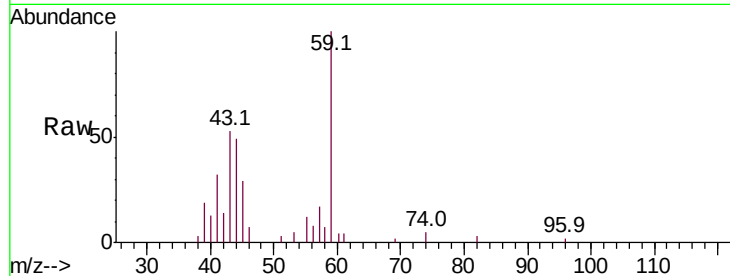
57 11.0 8.2 12.4

Manual Integrations

APPROVED

MMDadoda

11/27/2020 1:15:59 PM



#19

Isopropyl Alcohol

Concen: 14.267 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.02 min

Lab File: VL036011.D

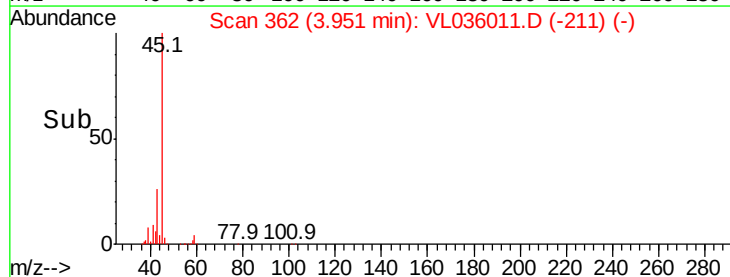
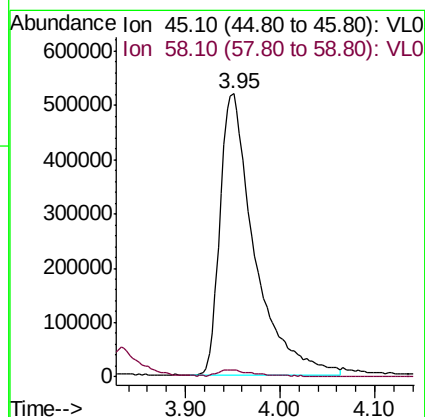
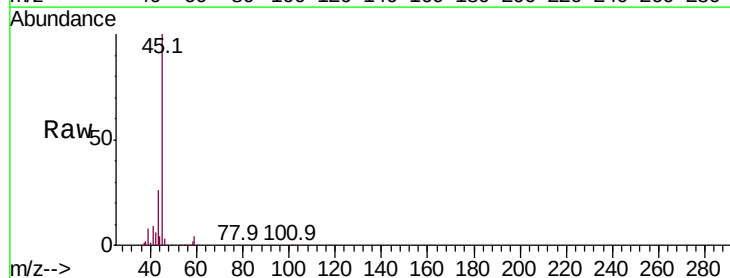
Acq: 25 Nov 2020 2:18

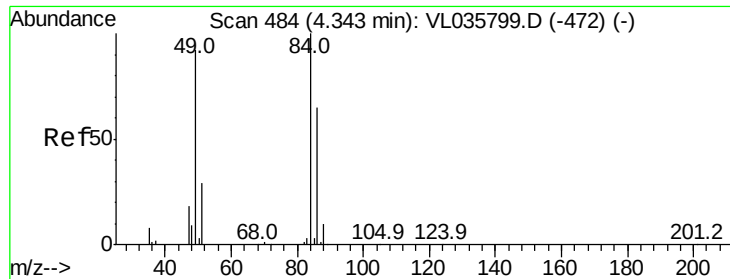
Tgt Ion: 45 Resp: 1318398

Ion Ratio Lower Upper

45 100

58 2.7 2.6 3.8





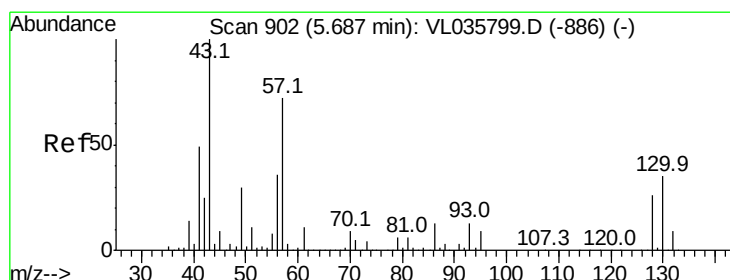
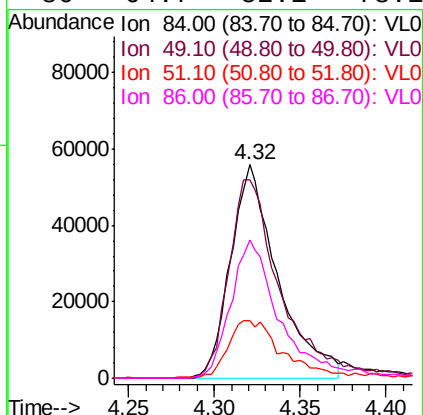
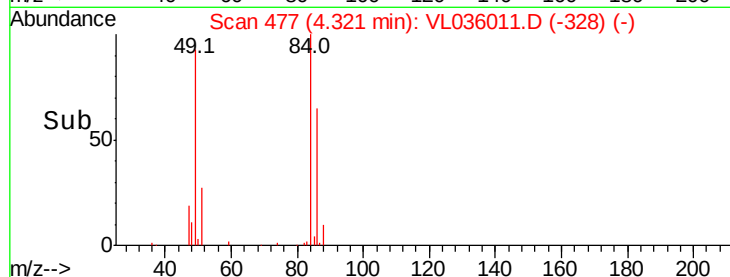
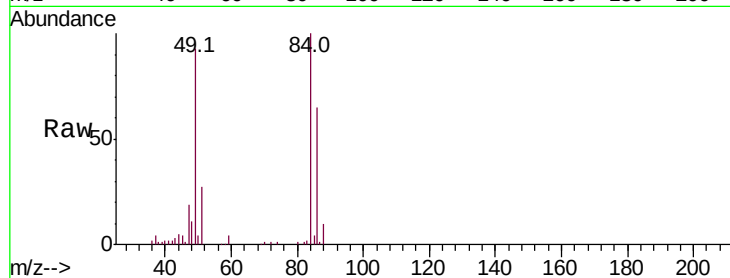
#20
Methylene Chloride
Concen: 1.006 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.02 min
Lab File: VL036011.D
Acq: 25 Nov 2020 2:18

Instrument :
MSVOA_L
ClientSampled :
IA1DL

Tot Ion	84	Resp	106516
Ion	Ratio	Lower	Upper
84	100		
49	93.1	73.8	110.8
51	26.9	23.0	34.4
86	64.7	52.1	78.1

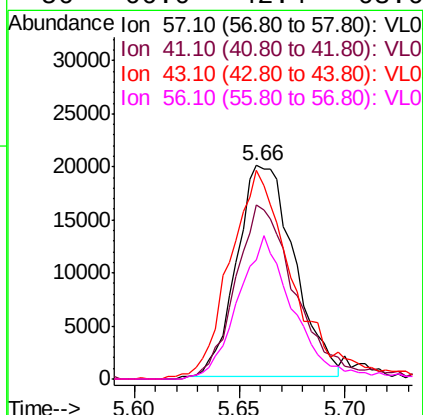
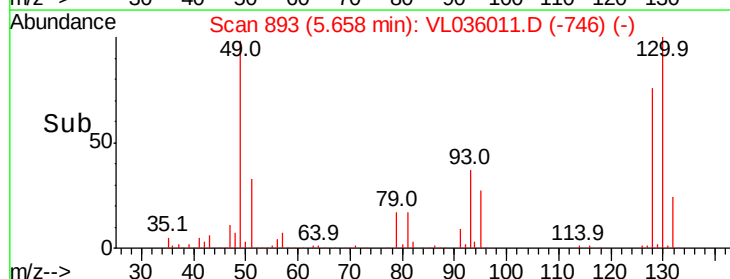
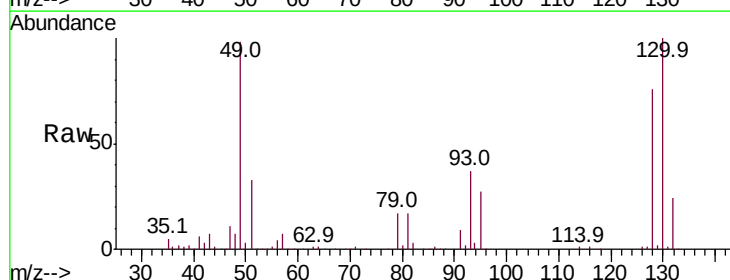
Manual Integrations
APPROVED

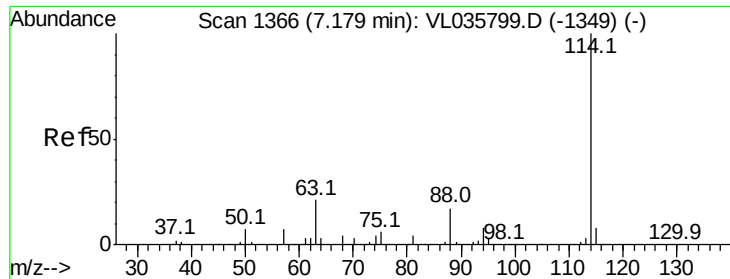
MMDadoda
11/27/2020 1:15:59 PM



#26
Hexane
Concen: 0.232 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL036011.D
Acq: 25 Nov 2020 2:18

Tgt Ion	57	Resp	37897
Ion	Ratio	Lower	Upper
57	100		
41	90.7	58.9	88.3#
43	108.8	150.2	225.2#
56	66.0	42.4	63.6#





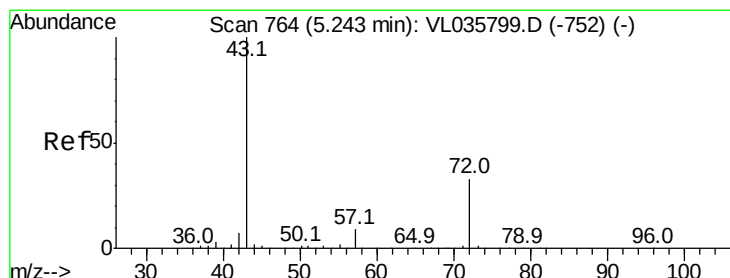
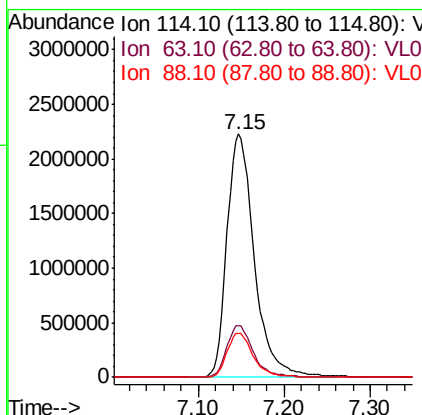
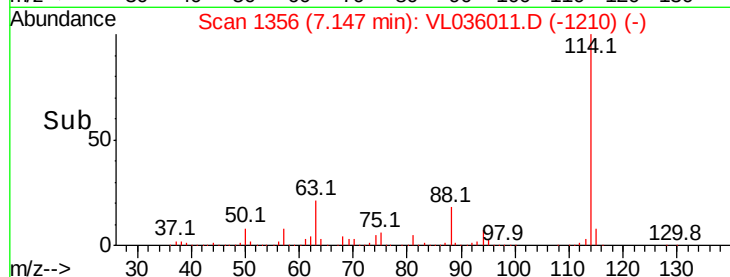
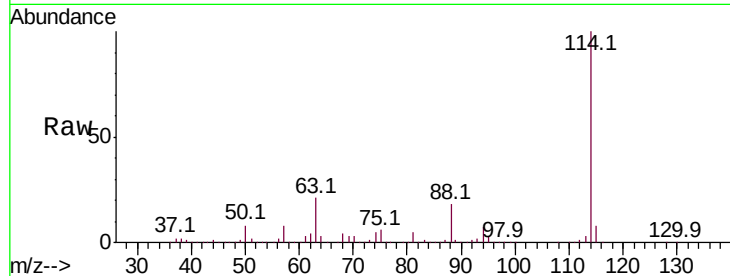
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.03 min
 Lab File: VL036011.D
 Acq: 25 Nov 2020 2:18

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Tot Ion:114 Resp: 4923912
 Ion Ratio Lower Upper
 114 100
 63 21.0 16.1 24.1
 88 17.7 13.7 20.5

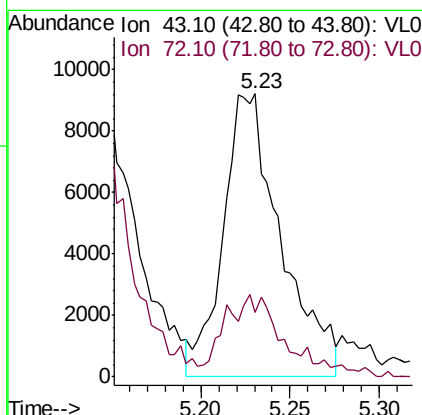
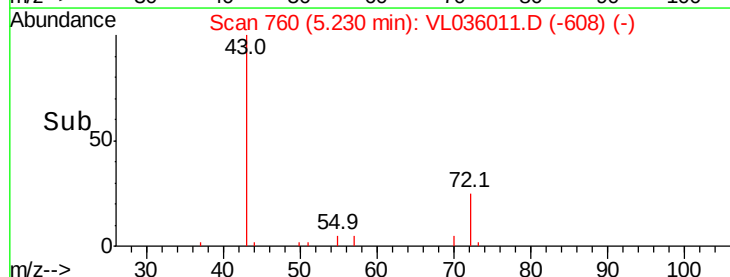
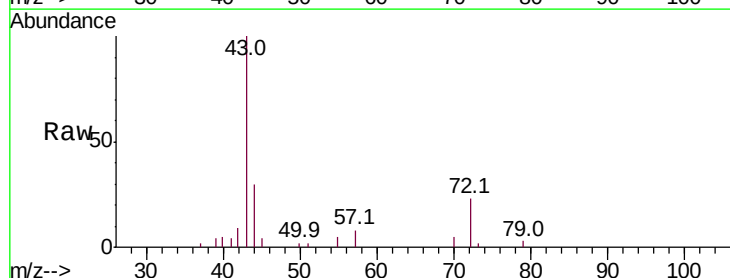
Manual Integrations
 APPROVED

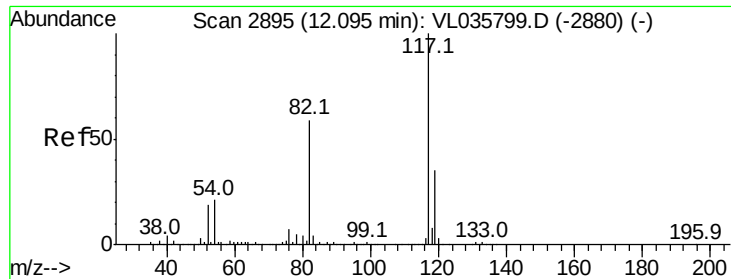
MMDadoda
 11/27/2020 1:15:59 PM



#34
 2-Butanone
 Concen: 0.129 ppbv m
 RT: 5.23 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: VL036011.D
 Acq: 25 Nov 2020 2:18

Tgt Ion: 43 Resp: 20655
 Ion Ratio Lower Upper
 43 100
 72 0.0 26.5 39.7#





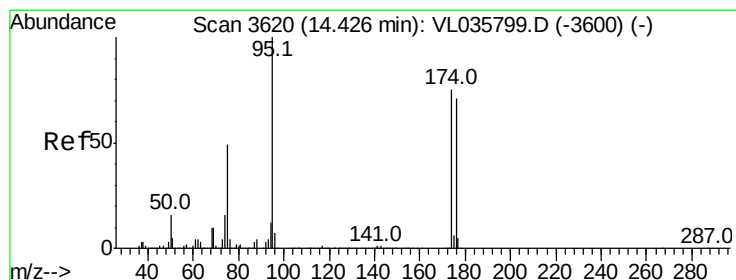
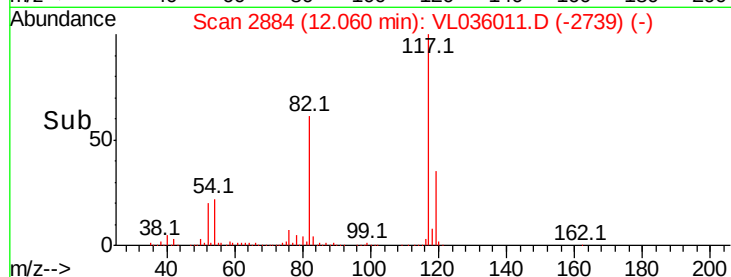
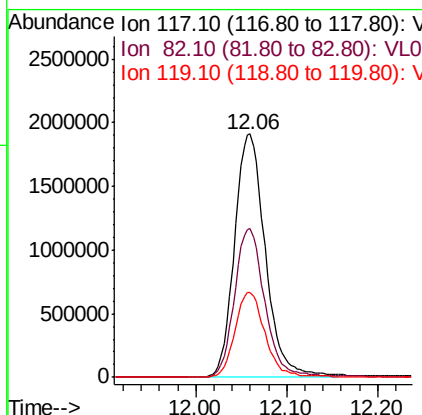
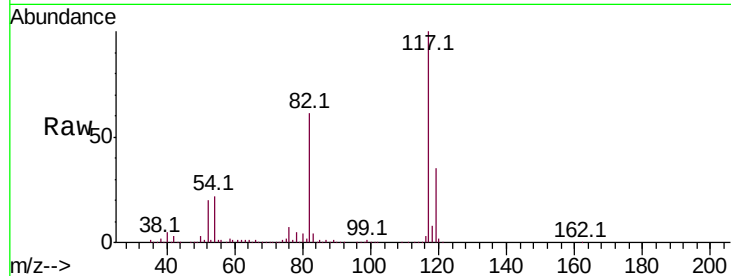
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.04 min
Lab File: VL036011.D
Acq: 25 Nov 2020 2:18

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tot Ion:117 Resp: 4516537
Ion Ratio Lower Upper
117 100
82 61.3 50.6 76.0
119 34.4 52.6 78.8#

Manual Integrations
APPROVED

MMDadoda
11/27/2020 1:15:59 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.549 ppbv
RT: 14.39 min Scan# 3609
Delta R.T. -0.04 min
Lab File: VL036011.D
Acq: 25 Nov 2020 2:18

Tgt Ion: 95 Resp: 3385149
Ion Ratio Lower Upper
95 100
174 71.3 59.8 89.6
175 5.1 4.3 6.5

