

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111820\
 Data File : VL035990.D
 Acq On : 19 Nov 2020 2:03
 Operator : SY/AP
 Sample : L4781-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA4DL

Manual Integrations
 APPROVED

MMDadoda
 11/20/2020 12:28:22 PM

Quant Time: Nov 19 09:30:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 0
 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	5.63	49	1005906	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.13	114	3607452	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.04	117	3473756	10.00	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	2549748	10.33	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	9363	0.212	ppbv	84
13) Ethanol	3.57	45	82757	8.652	ppbv	92
15) Acetone	3.83	43	74097	0.689	ppbv #	74
19) Isopropyl Alcohol	3.95	45	27719m	0.419	ppbv	
20) Methylene Chloride	4.30	84	49509	0.654	ppbv	97
26) Hexane	5.65	57	30192	0.258	ppbv #	47
53) Toluene	9.76	91	45591	0.141	ppbv	99

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

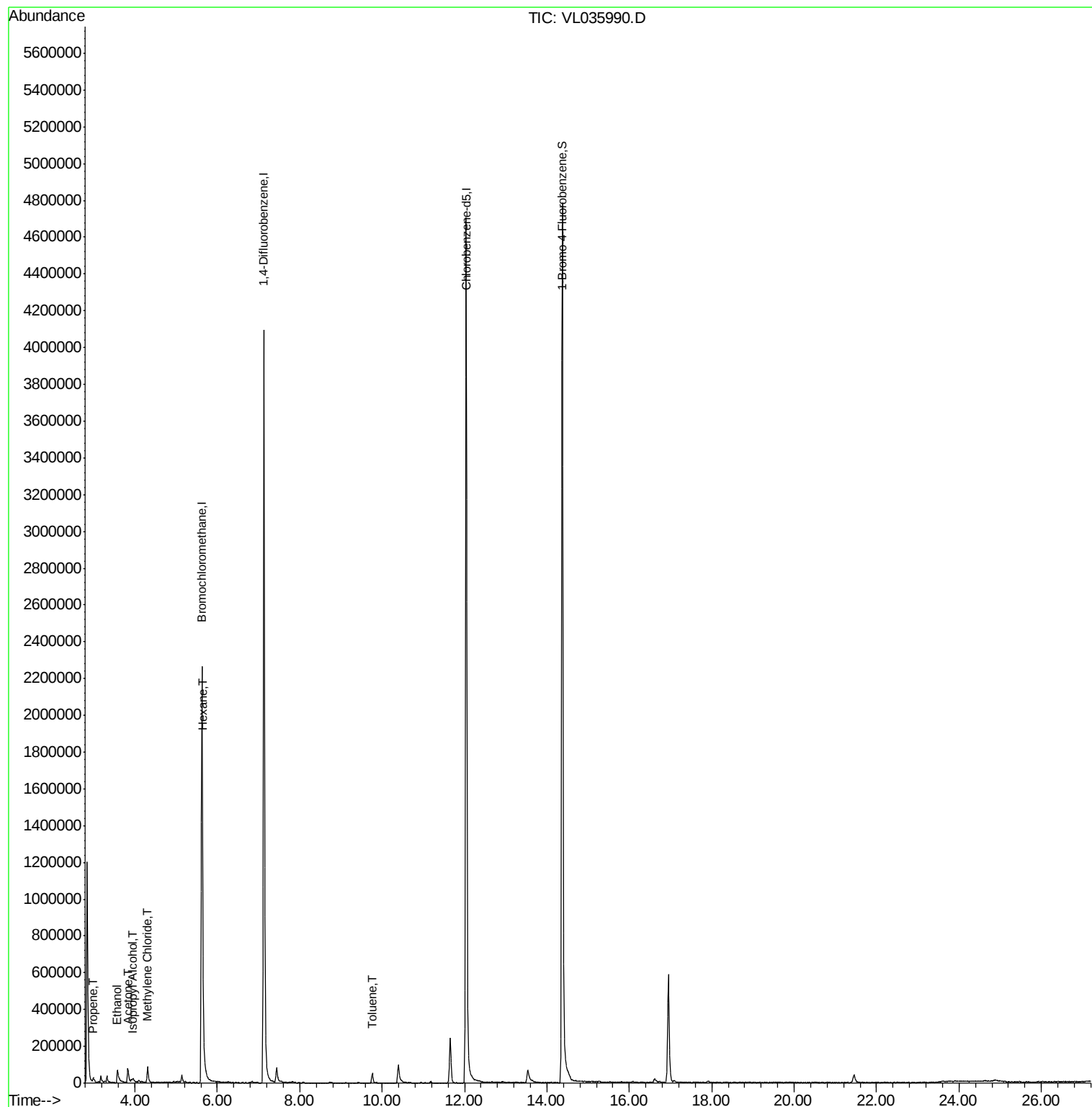
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111820\
Data File : VL035990.D
Acq On : 19 Nov 2020 2:03
Operator : SY/AP
Sample : L4781-05DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA4DL

Manual Integrations
APPROVED

MMDadoda
11/20/2020 12:28:22 PM

Quant Time: Nov 19 09:30:33 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: 5.63 min Scan# 883

Delta R.T. -0.04 min

Lab File: VL035990.D

Acq: 19 Nov 2020 2:03

Instrument :

MSVOA_L

ClientSampleId :

IA4DL

Tot Ion: 49 Resp: 1005906

Ion Ratio Lower Upper

49 100

128 80.9 41.5 124.6

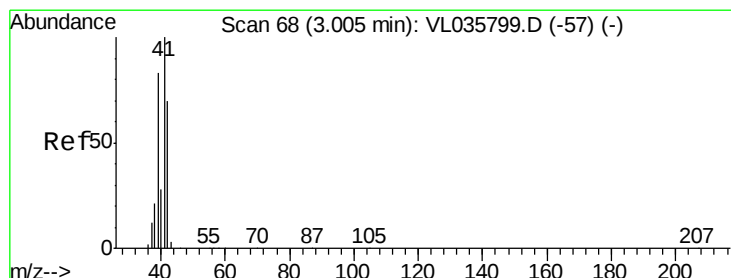
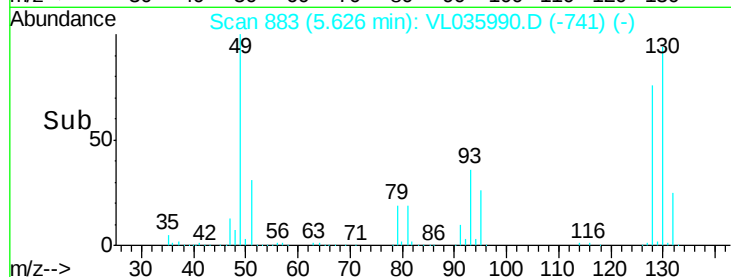
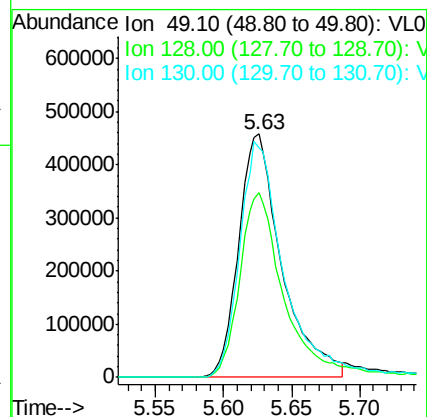
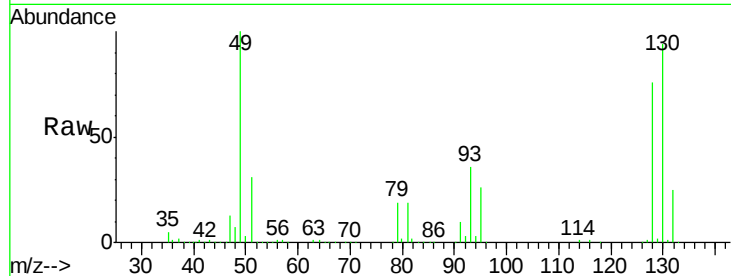
130 103.2 53.7 161.1

Manual Integrations

APPROVED

MMDadoda

11/20/2020 12:28:22 PM



#9

Propene

Concen: 0.212 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.02 min

Lab File: VL035990.D

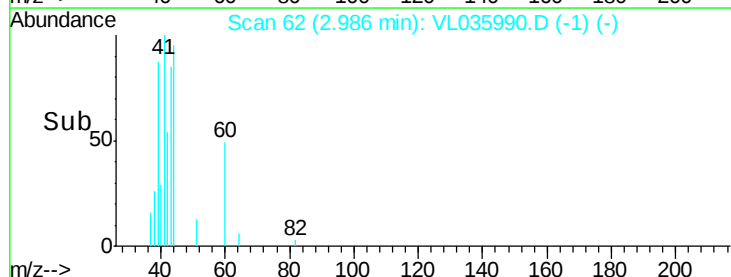
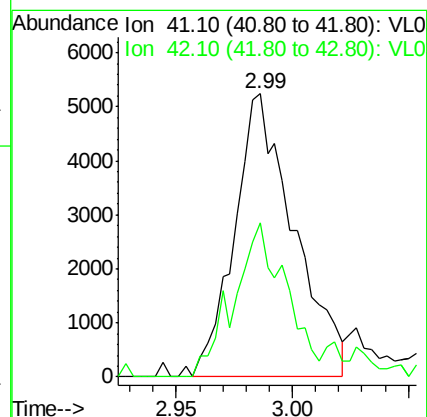
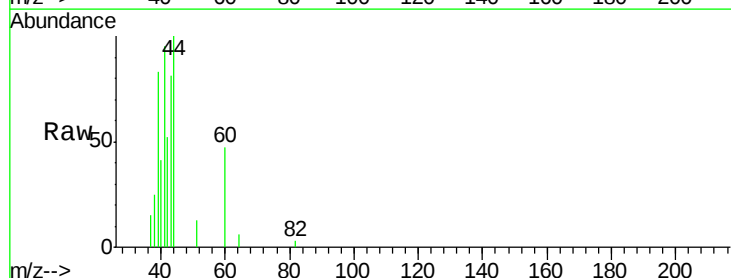
Acq: 19 Nov 2020 2:03

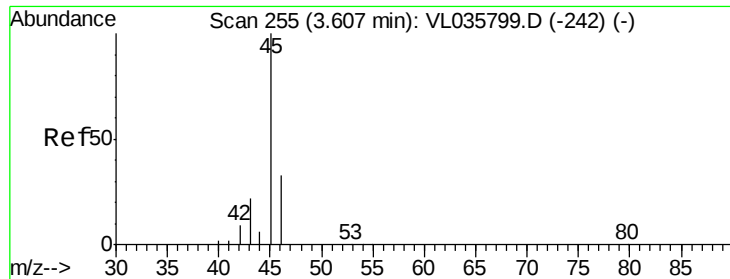
Tgt Ion: 41 Resp: 9363

Ion Ratio Lower Upper

41 100

42 56.8 56.2 84.4





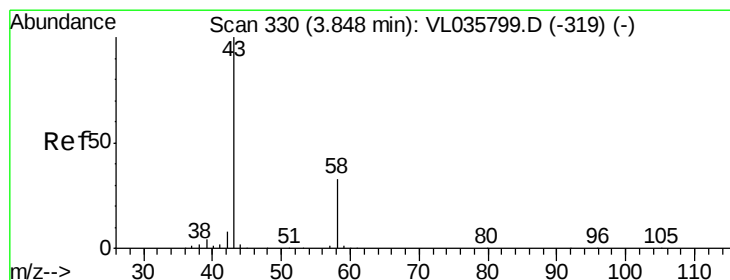
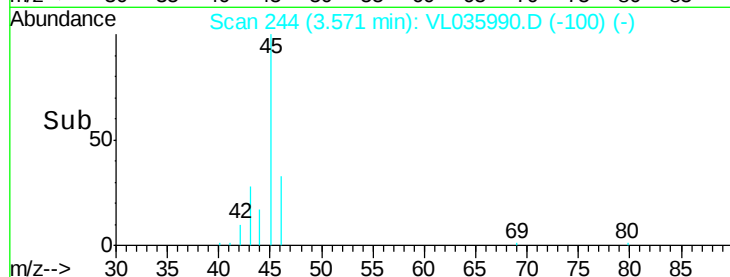
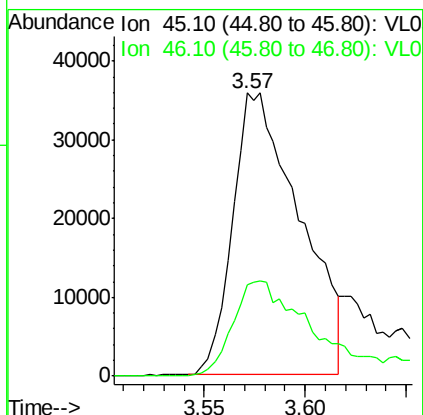
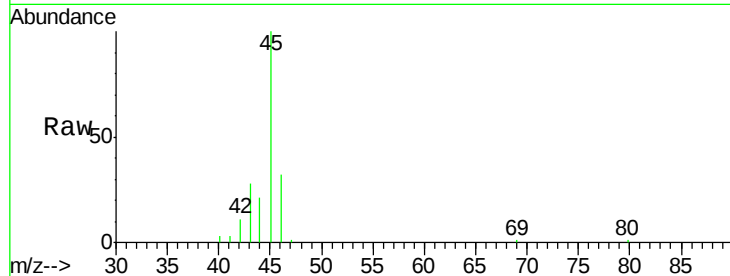
#13
Ethanol
Concen: 8.652 ppbv
RT: 3.57 min Scan# 244
Delta R.T. -0.04 min
Lab File: VL035990.D
Acq: 19 Nov 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :
IA4DL

Tot Ion	45	46	Ratio	Lower	Upper
Resp:	82757				
Ion	45	46	100	16.1	64.5

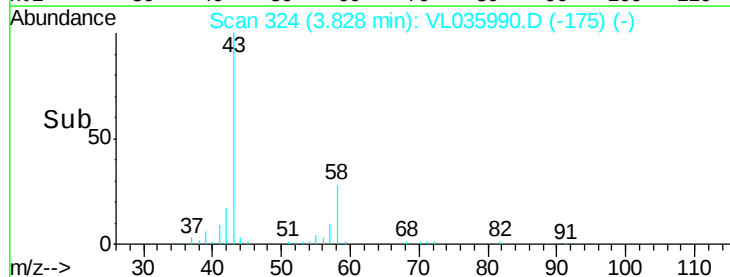
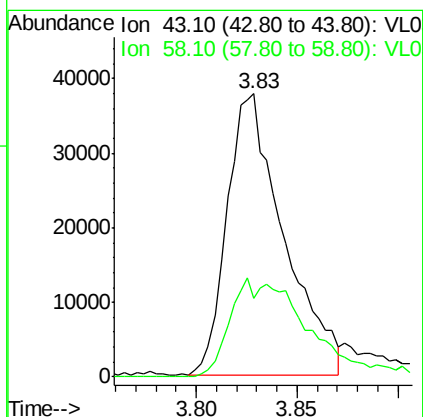
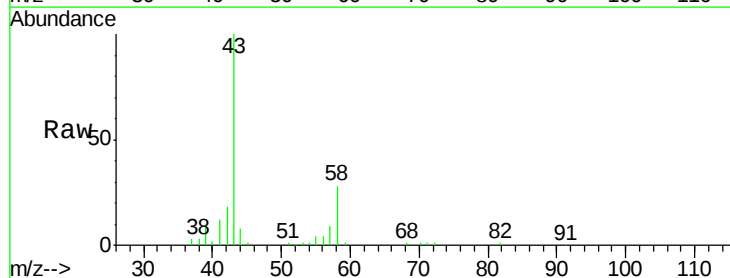
Manual Integrations
APPROVED

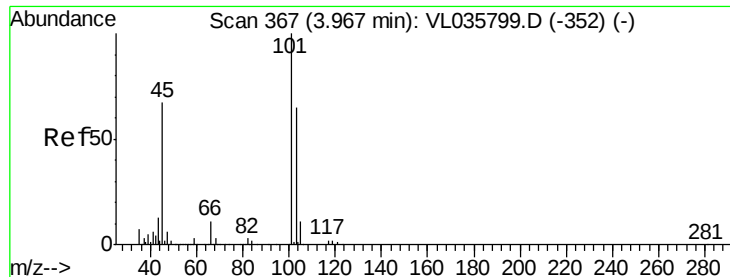
MMDadoda
11/20/2020 12:28:22 PM



#15
Acetone
Concen: 0.689 ppbv
RT: 3.83 min Scan# 324
Delta R.T. -0.02 min
Lab File: VL035990.D
Acq: 19 Nov 2020 2:03

Tgt Ion	43	58	Ratio	Lower	Upper
Resp:	74097				
Ion	43	58	100	27.5	41.3#





#19

Isopropyl Alcohol

Concen: 0.419 ppbv m

RT: 3.95 min Scan# 362

Delta R.T. -0.02 min

Lab File: VL035990.D

Acq: 19 Nov 2020 2:03

Instrument :

MSVOA_L

ClientSampled :

IA4DL

Tot Ion: 45 Resp: 27719

Ion Ratio Lower Upper

45 100

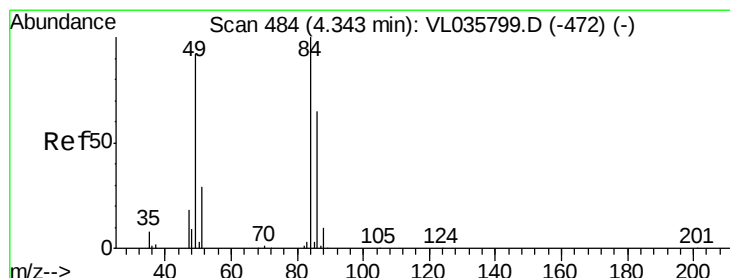
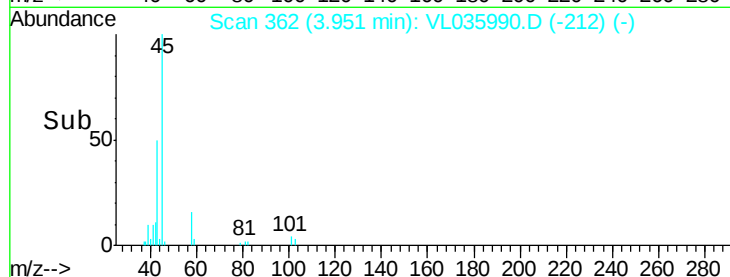
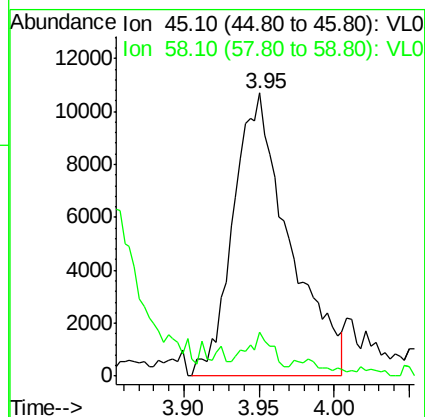
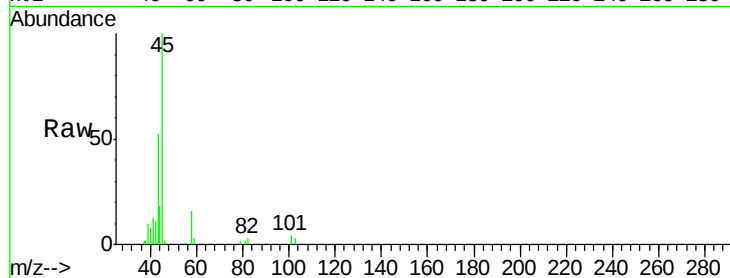
58 0.0 2.6 3.8#

Manual Integrations

APPROVED

MMDadoda

11/20/2020 12:28:22 PM



#20

Methylene Chloride

Concen: 0.654 ppbv

RT: 4.30 min Scan# 472

Delta R.T. -0.04 min

Lab File: VL035990.D

Acq: 19 Nov 2020 2:03

Tgt Ion: 84 Resp: 49509

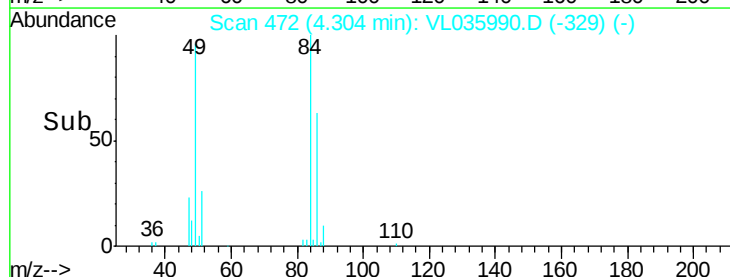
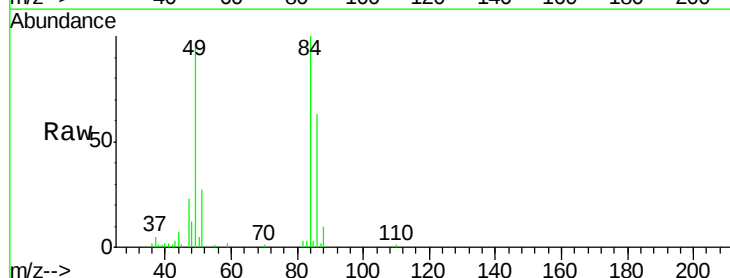
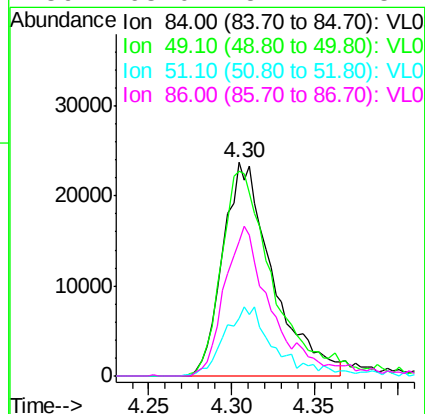
Ion Ratio Lower Upper

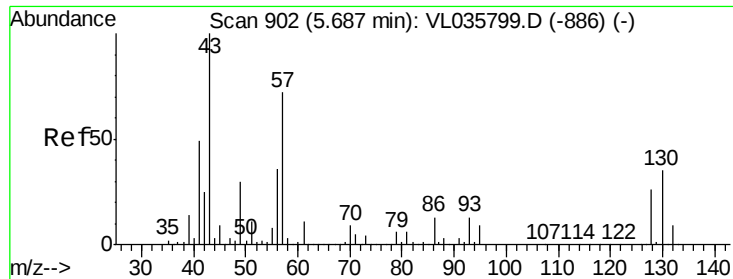
84 100

49 94.6 73.8 110.8

51 26.4 23.0 34.4

86 63.0 52.1 78.1





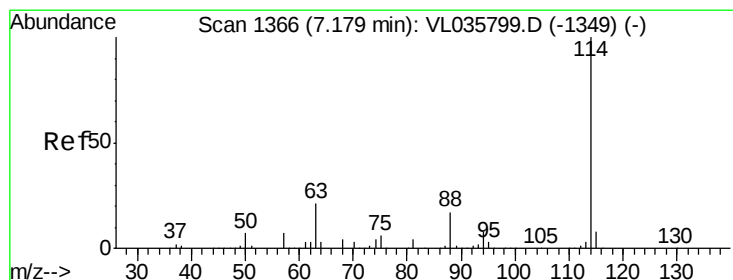
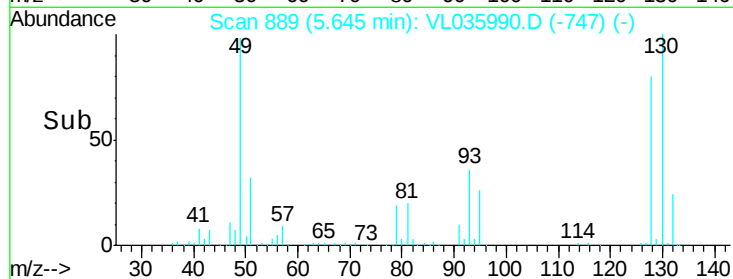
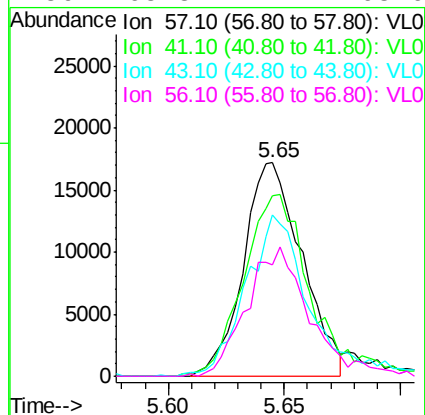
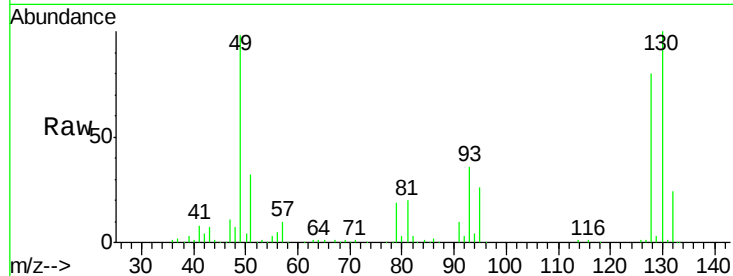
#26
Hexane
Concen: 0.258 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.04 min
Lab File: VL035990.D
Acq: 19 Nov 2020 2:03

Instrument :
MSVOA_L
ClientSampleID :
IA4DL

Tot Ion: 57 Resp: 30192
Ion Ratio Lower Upper
57 100
41 100.6 58.9 88.3#
43 84.3 150.2 225.2#
56 65.8 42.4 63.6#

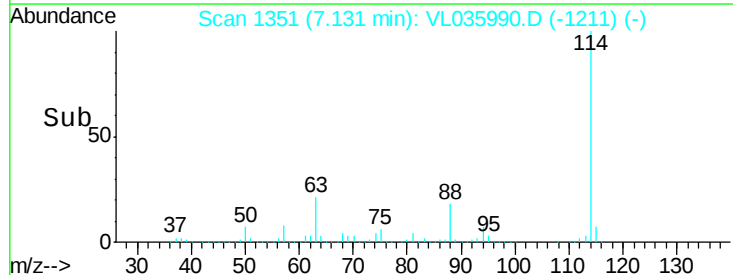
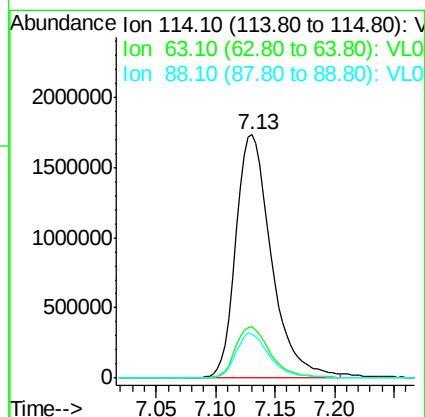
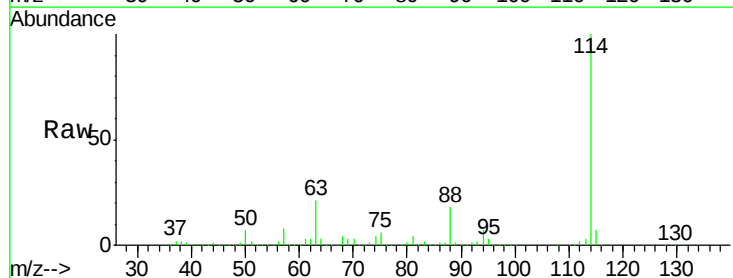
Manual Integrations
APPROVED

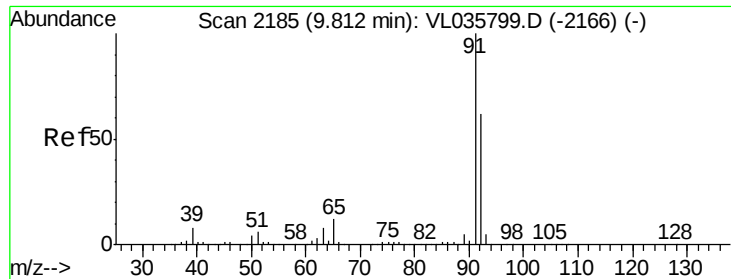
MMDadoda
11/20/2020 12:28:22 PM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.05 min
Lab File: VL035990.D
Acq: 19 Nov 2020 2:03

Tgt Ion: 114 Resp: 3607452
Ion Ratio Lower Upper
114 100
63 21.2 16.1 24.1
88 17.7 13.7 20.5





#53

Toluene

Concen: 0.141 ppbv

RT: 9.76 min Scan# 2169

Delta R.T. -0.05 min

Lab File: VL035990.D

Acq: 19 Nov 2020 2:03

Instrument :

MSVOA_L

ClientSampled :

IA4DL

Tot Ion: 91 Resp: 45591

Ion Ratio Lower Upper

91 100

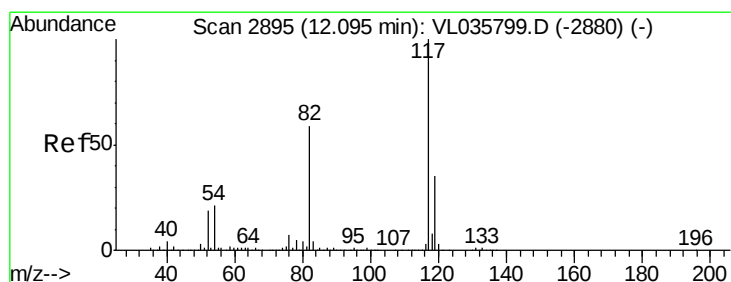
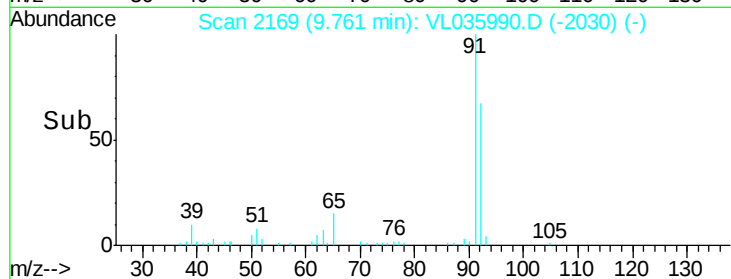
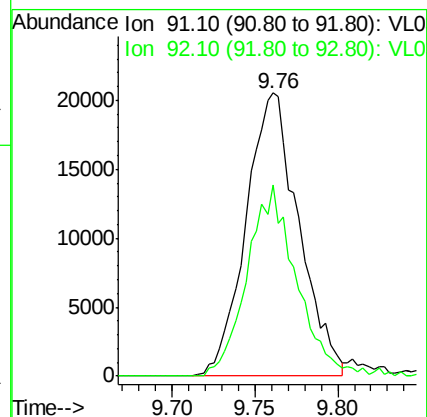
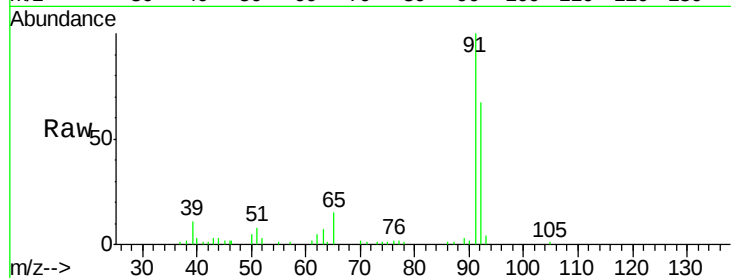
92 63.0 49.8 74.6

Manual Integrations

APPROVED

MMDadoda

11/20/2020 12:28:22 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.04 min Scan# 2878

Delta R.T. -0.05 min

Lab File: VL035990.D

Acq: 19 Nov 2020 2:03

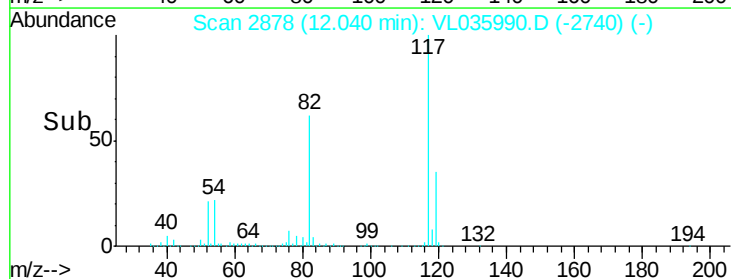
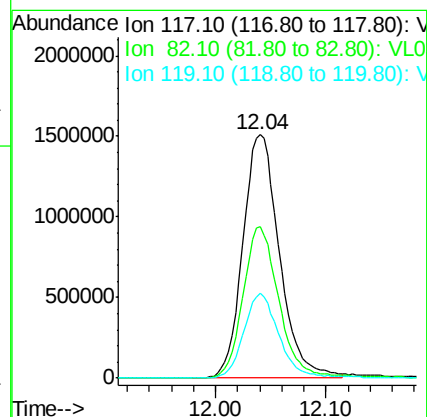
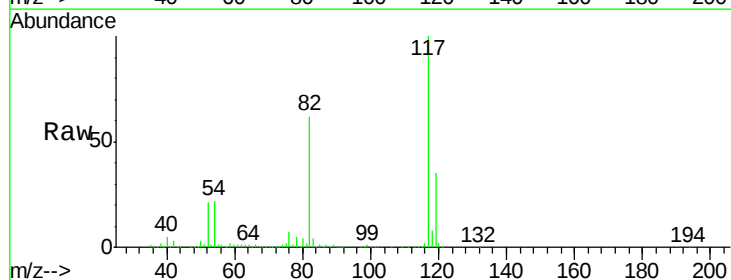
Tgt Ion: 117 Resp: 3473756

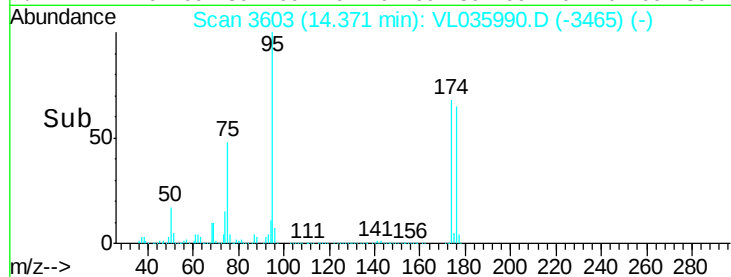
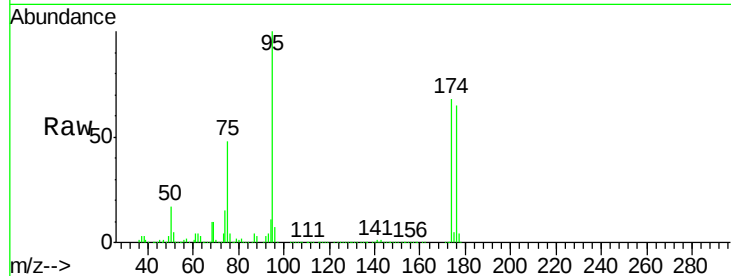
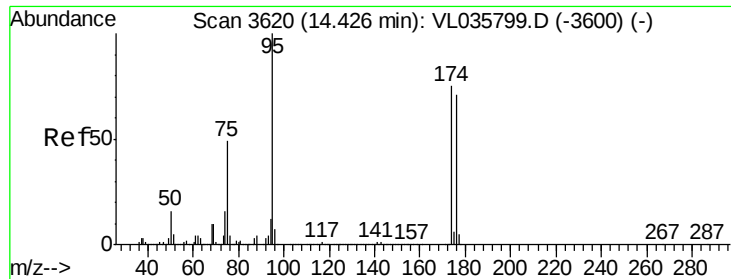
Ion Ratio Lower Upper

117 100

82 62.0 50.6 76.0

119 34.2 52.6 78.8#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.331 ppbv

RT: 14.37 min Scan# 3603

Delta R.T. -0.05 min

Lab File: VL035990.D

Acq: 19 Nov 2020 2:03

Tot Ion: 95 Resp: 2549748

Ion Ratio Lower Upper

95 100

174 71.1 59.8 89.6

175 5.0 4.3 6.5

Instrument :

MSVOA_L

ClientSampleId :

IA4DL

Manual Integrations

APPROVED

MMDadoda

11/20/2020 12:28:22 PM

