

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111220\
 Data File : VL035916.D
 Acq On : 12 Nov 2020 16:43
 Operator : SY/AP
 Sample : L4720-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CVS-2DL

Manual Integrations
 APPROVED

MMDadoda
 11/16/2020 2:28:16 PM

Quant Time: Nov 13 03:01:53 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
 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	5.66	49	1223298	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4170865	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3881567	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2844315	10.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	11734m	0.219	ppbv	
13) Ethanol	3.61	45	4129475	355.003	ppbv	96
15) Acetone	3.85	43	137454	1.051	ppbv	89
19) Isopropyl Alcohol	3.98	45	1718672	21.385	ppbv	100
20) Methylene Chloride	4.34	84	83476	0.907	ppbv	97
26) Hexane	5.68	57	43823	0.308	ppbv #	50

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

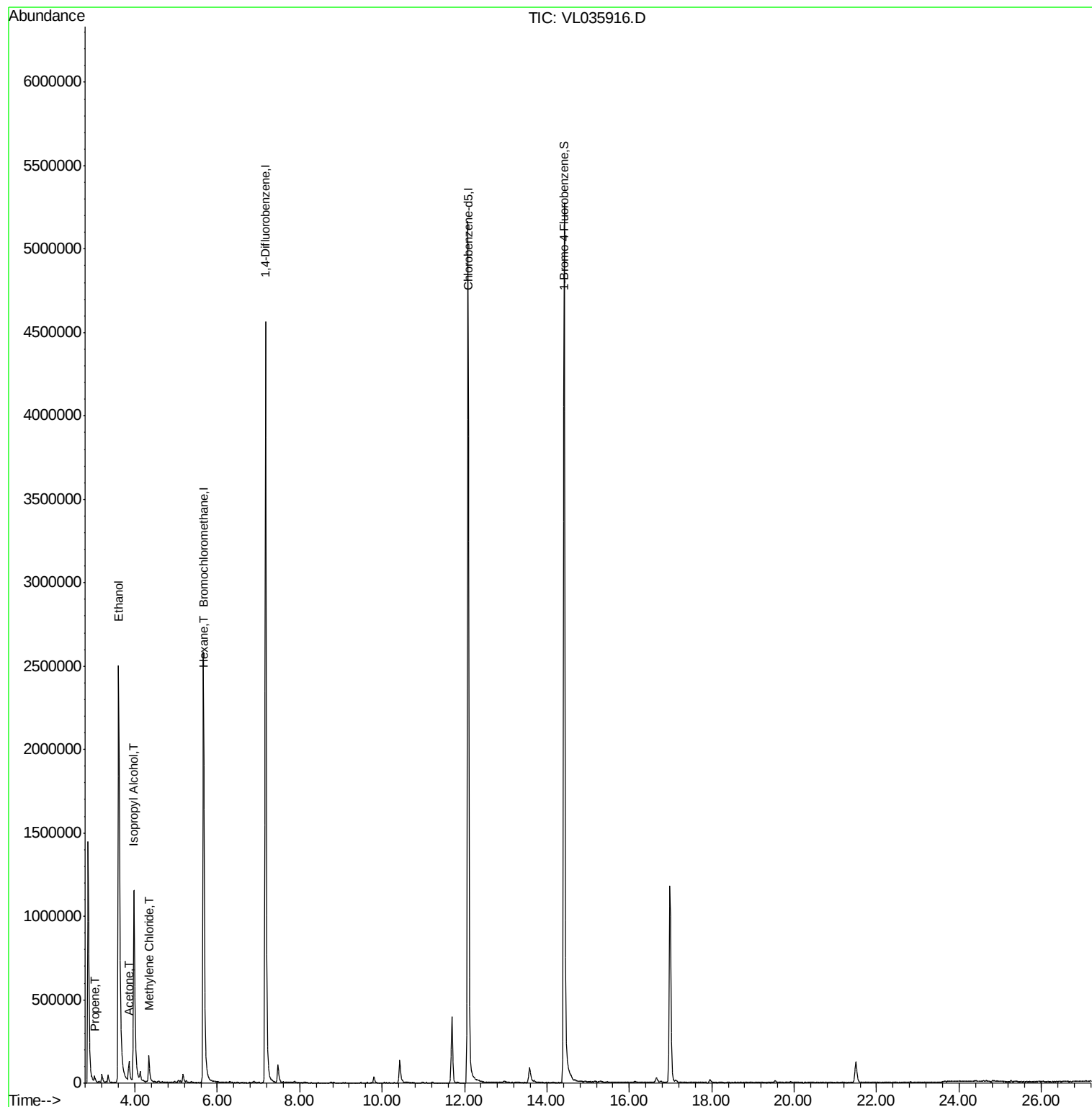
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111220\
Data File : VL035916.D
Acq On : 12 Nov 2020 16:43
Operator : SY/AP
Sample : L4720-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
CVS-2DL

Manual Integrations
APPROVED

MMDadoda
11/16/2020 2:28:16 PM

Quant Time: Nov 13 03:01:53 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: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL035916.D

Acq: 12 Nov 2020 16:43

Instrument :

MSVOA_L

ClientSampled :

CVS-2DL

Tot Ion: 49 Resp: 1223298

Ion Ratio Lower Upper

49 100

128 75.4 41.5 124.6

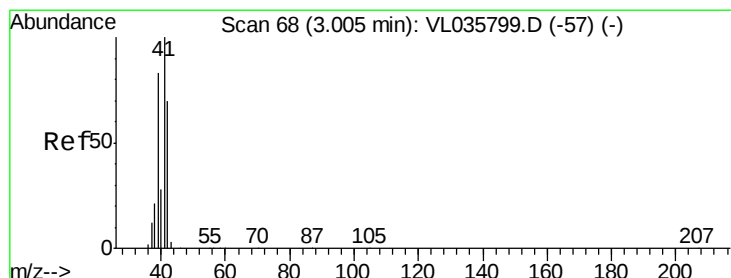
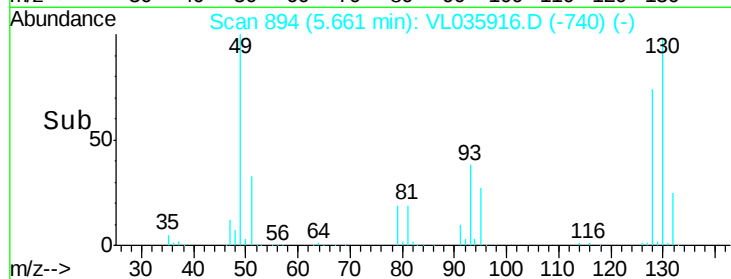
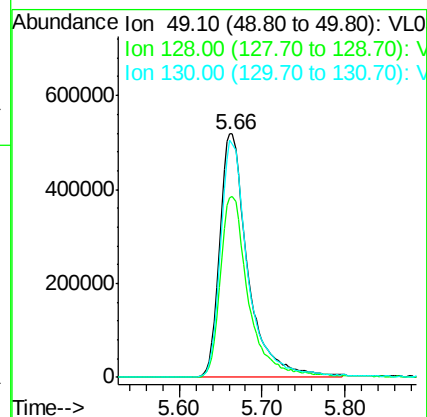
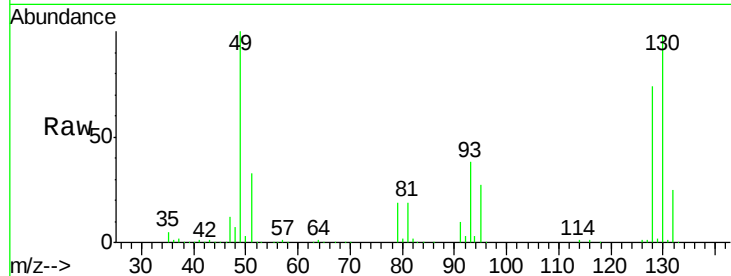
130 96.2 53.7 161.1

Manual Integrations

APPROVED

MMDadoda

11/16/2020 2:28:16 PM



#9

Propene

Concen: 0.219 ppbv m

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL035916.D

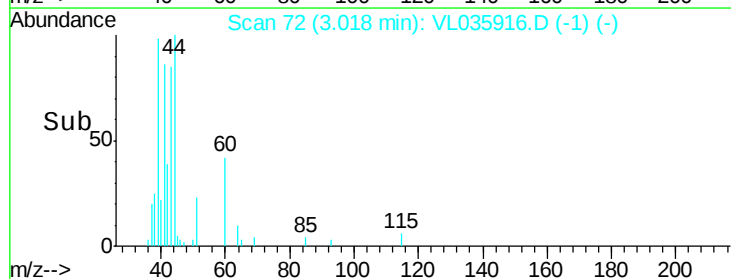
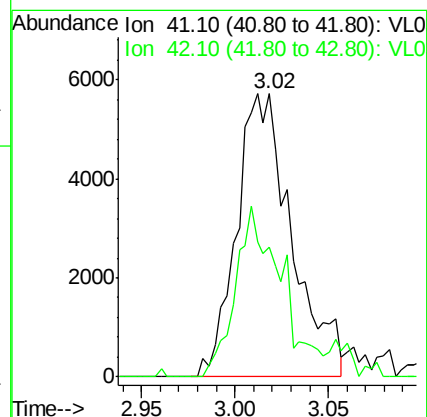
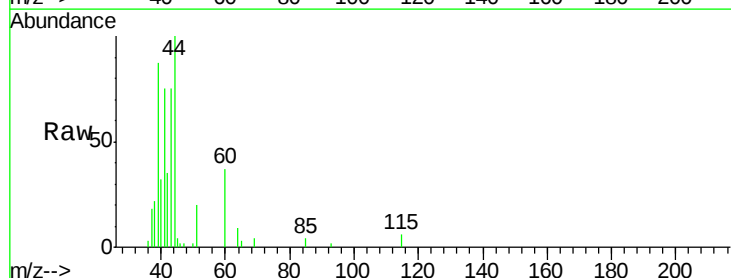
Acq: 12 Nov 2020 16:43

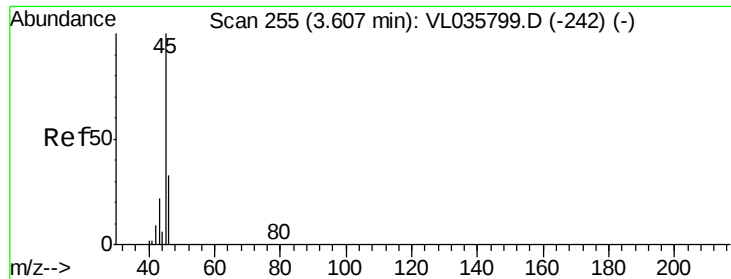
Tgt Ion: 41 Resp: 11734

Ion Ratio Lower Upper

41 100

42 39.2 56.2 84.4#





#13

Ethanol

Concen: 355.003 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.00 min

Lab File: VL035916.D

Acq: 12 Nov 2020 16:43

Instrument :

MSVOA_L

ClientSampleId :

CVS-2DL

Tot Ion: 45 Resp: 4129475

Ion Ratio Lower Upper

45 100

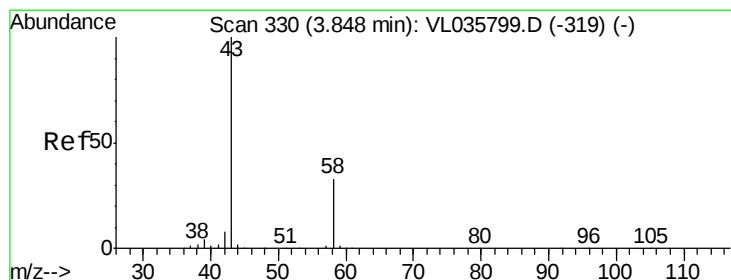
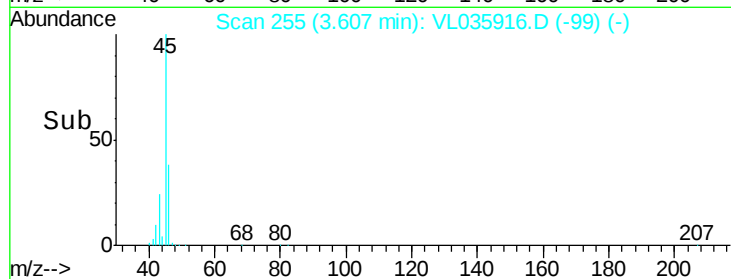
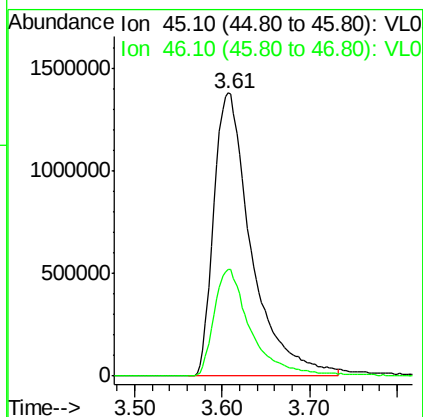
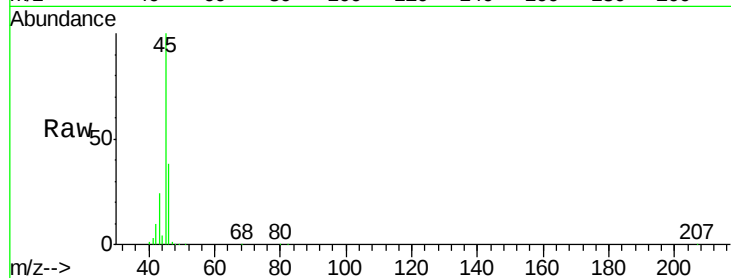
46 37.6 16.1 64.5

Manual Integrations

APPROVED

MMDadoda

11/16/2020 2:28:16 PM



#15

Acetone

Concen: 1.051 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.00 min

Lab File: VL035916.D

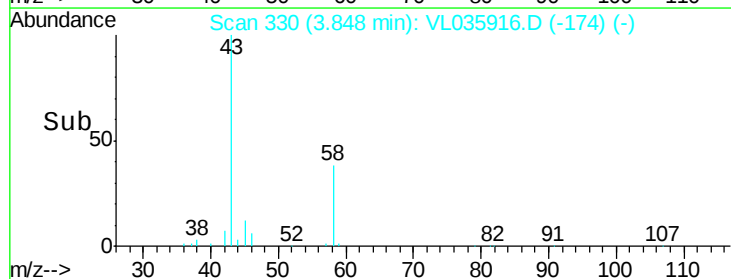
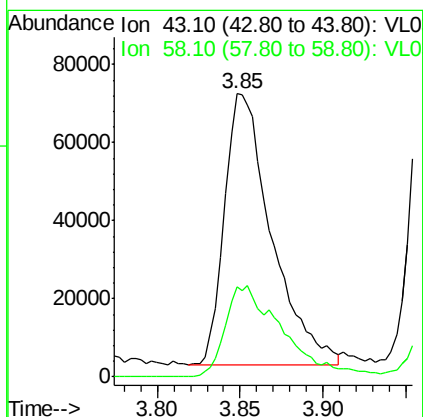
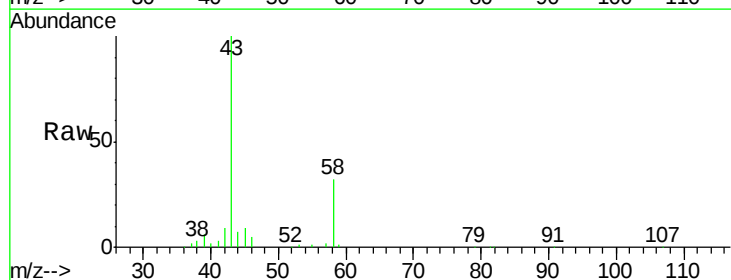
Acq: 12 Nov 2020 16:43

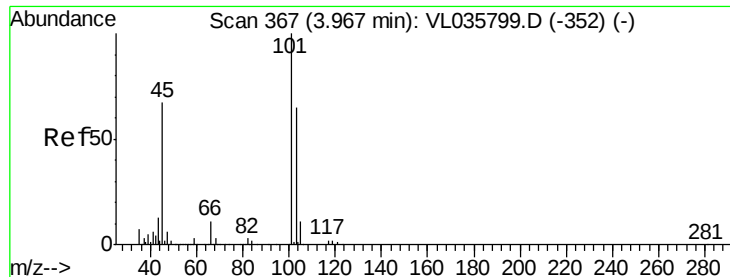
Tgt Ion: 43 Resp: 137454

Ion Ratio Lower Upper

43 100

58 41.0 27.5 41.3





#19

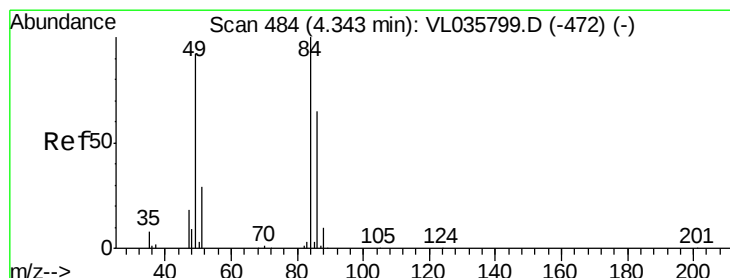
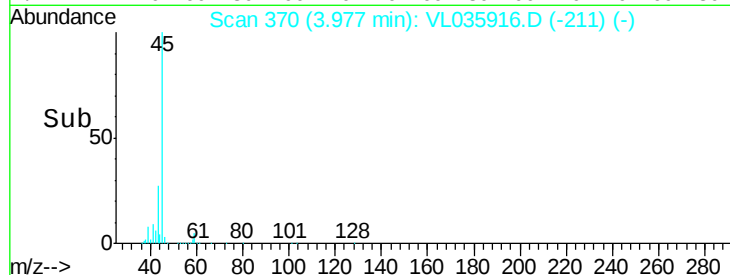
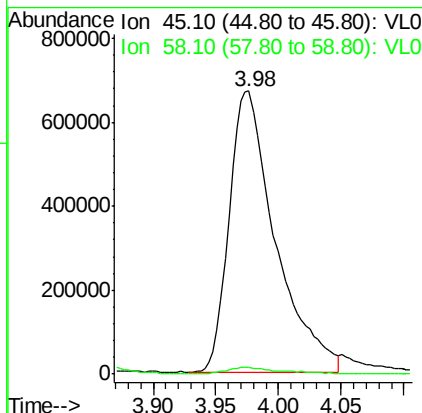
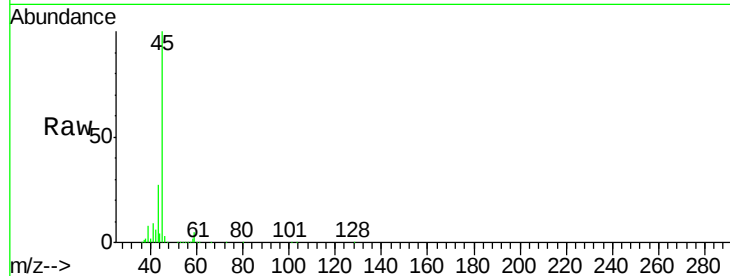
Isopropyl Alcohol
 Concen: 21.385 ppbv
 RT: 3.98 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VL035916.D
 Acq: 12 Nov 2020 16:43

Instrument :
 MSVOA_L
 ClientSampleId :
 CVS-2DL

Tot Ion: 45 Resp: 1718672
 Ion Ratio Lower Upper
 45 100
 58 3.2 2.6 3.8

Manual Integrations
 APPROVED

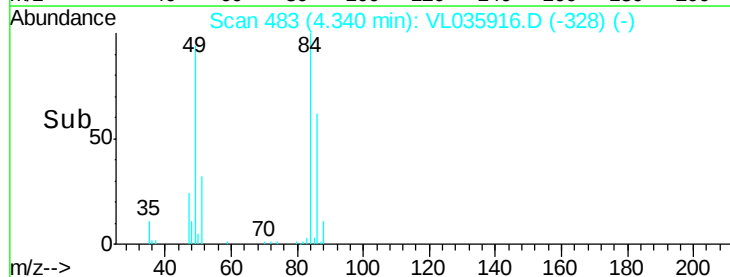
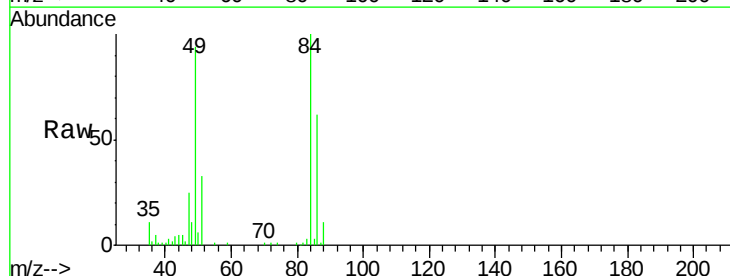
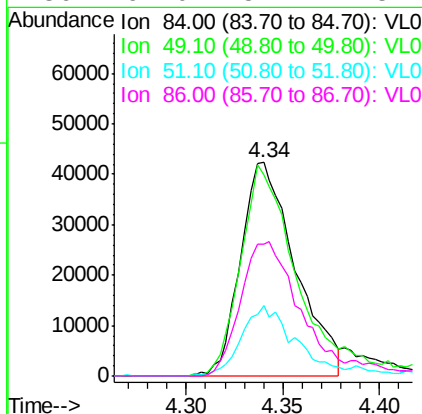
MMDadoda
 11/16/2020 2:28:16 PM

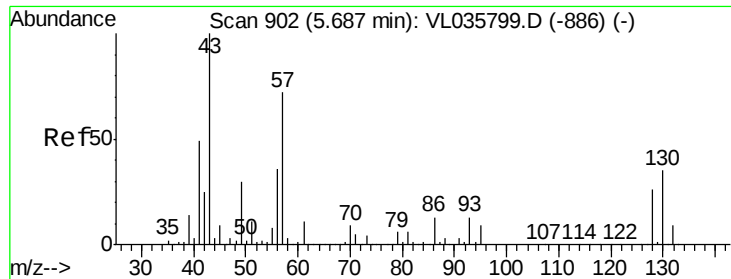


#20

Methylene Chloride
 Concen: 0.907 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. -0.00 min
 Lab File: VL035916.D
 Acq: 12 Nov 2020 16:43

Tgt Ion: 84 Resp: 83476
 Ion Ratio Lower Upper
 84 100
 49 94.0 73.8 110.8
 51 32.7 23.0 34.4
 86 62.0 52.1 78.1





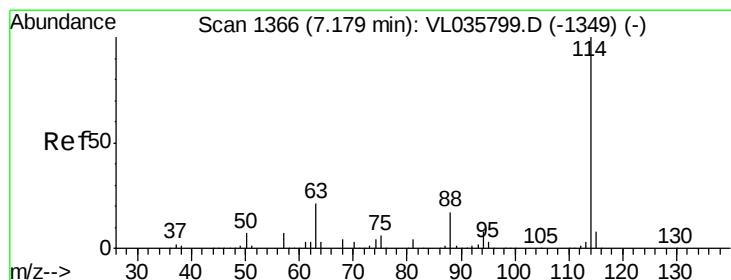
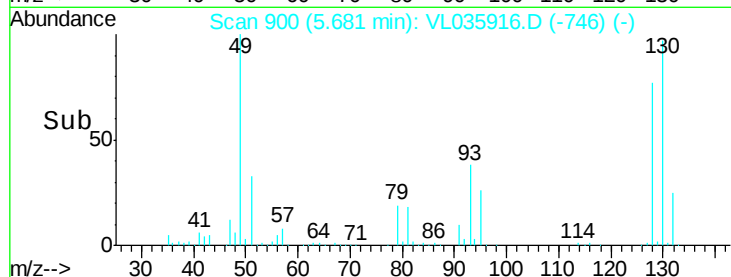
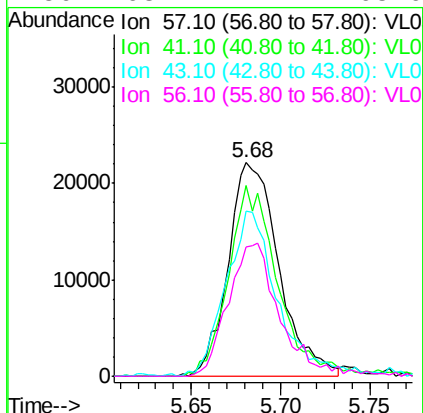
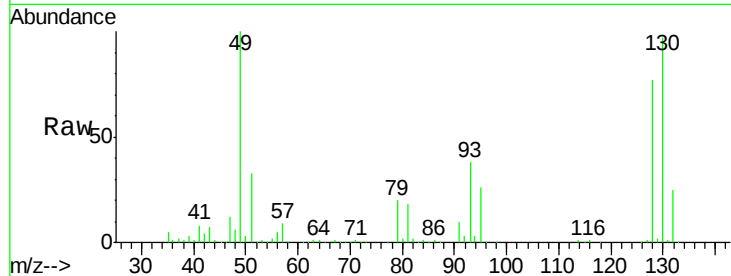
#26
Hexane
Concen: 0.308 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL035916.D
Acq: 12 Nov 2020 16:43

Instrument :
MSVOA_L
ClientSampleId :
CVS-2DL

Tot Ion: 57 Resp: 43823
Ion Ratio Lower Upper
57 100
41 88.9 58.9 88.3#
43 81.8 150.2 225.2#
56 63.7 42.4 63.6#

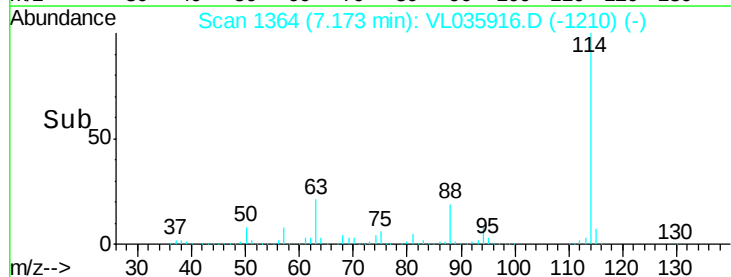
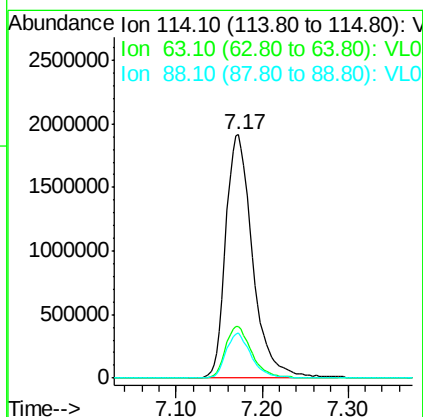
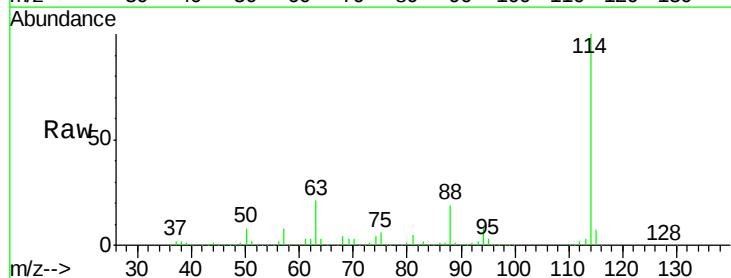
Manual Integrations
APPROVED

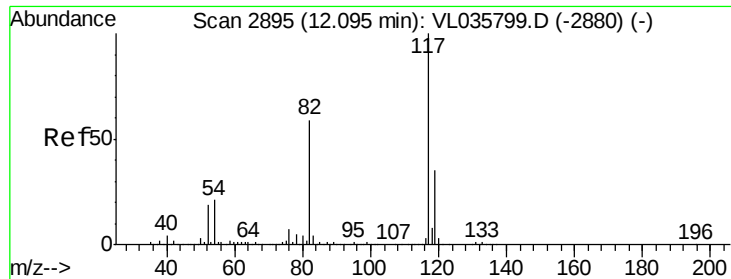
MMDadoda
11/16/2020 2:28:16 PM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL035916.D
Acq: 12 Nov 2020 16:43

Tgt Ion: 114 Resp: 4170865
Ion Ratio Lower Upper
114 100
63 20.9 16.1 24.1
88 17.5 13.7 20.5





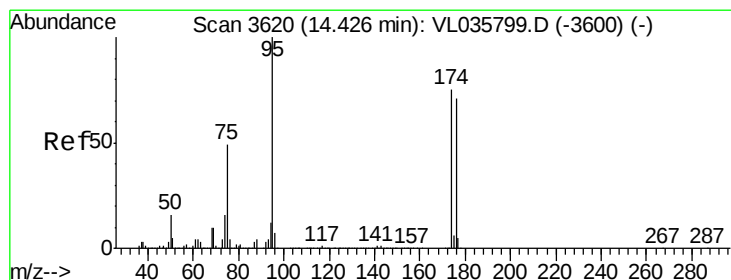
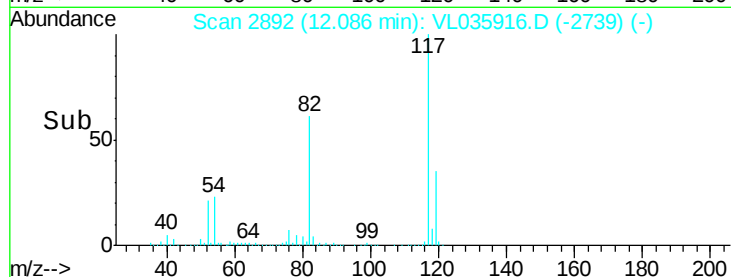
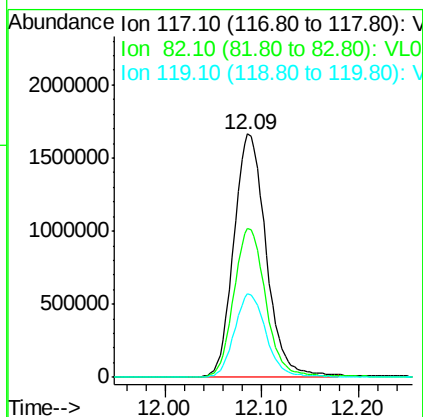
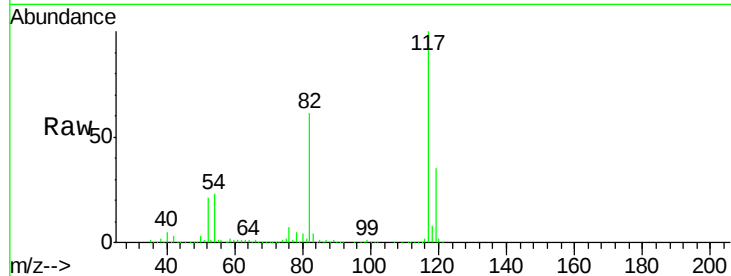
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL035916.D
Acq: 12 Nov 2020 16:43

Instrument :
MSVOA_L
ClientSampleId :
CVS-2DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.7	50.6	76.0
119	34.3	52.6	78.8#

Manual Integrations
APPROVED

MMDadoda
11/16/2020 2:28:16 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.314 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL035916.D
Acq: 12 Nov 2020 16:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.2	59.8	89.6
175	5.1	4.3	6.5

