

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036369.D
 Acq On : 25 Feb 2021 3:24
 Operator : SY/AP
 Sample : M1463-10DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-3DL

Manual Integrations
 APPROVED

MMDadoda
 2/26/2021 4:18:03 PM

Quant Time: Feb 25 07:51:54 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1620264	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	3644248	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3295334	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2736826	10.09	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	17988m	0.240	ppbv	
13) Ethanol	3.61	45	473198	33.564	ppbv	97
15) Acetone	3.86	43	264045	1.333	ppbv #	85
19) Isopropyl Alcohol	3.98	45	520951m	4.748	ppbv	
20) Methylene Chloride	4.35	84	287110	4.493	ppbv	94
26) Hexane	5.69	57	91416	0.582	ppbv #	41
44) 2,2,4-Trimethylpentane	7.87	57	107978m	0.192	ppbv	
53) Toluene	9.82	91	153046	0.456	ppbv	96
59) m/p-Xylene	12.98	91	70996m	0.179	ppbv	

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

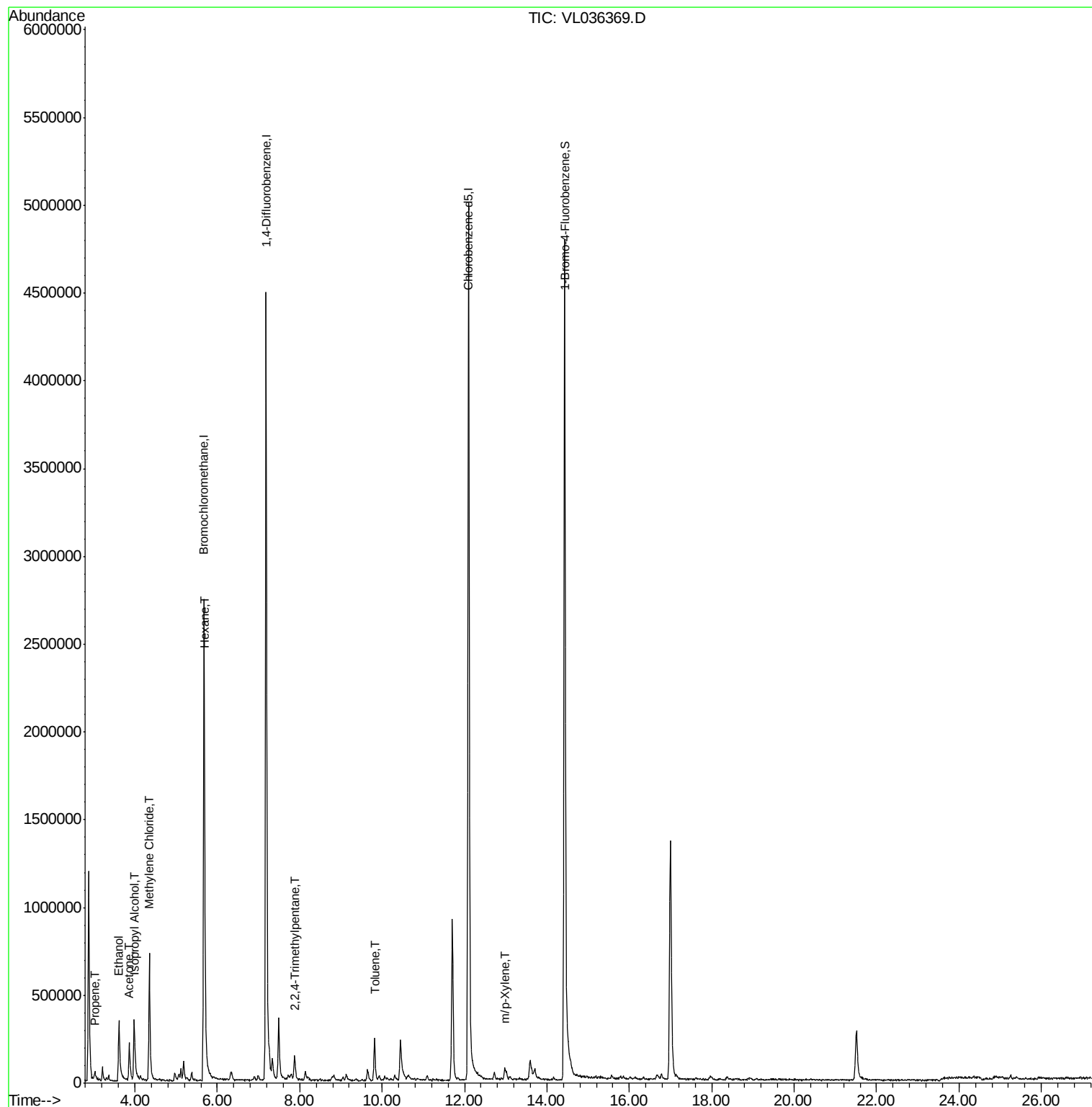
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022421\
Data File : VL036369.D
Acq On : 25 Feb 2021 3:24
Operator : SY/AP
Sample : M1463-10DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

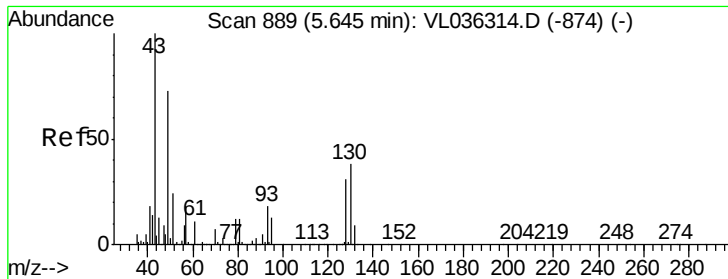
Instrument :
MSVOA_L
ClientSampleId :
NS-3DL

Manual Integrations
APPROVED

MMDadoda
2/26/2021 4:18:03 PM

Quant Time: Feb 25 07:51:54 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

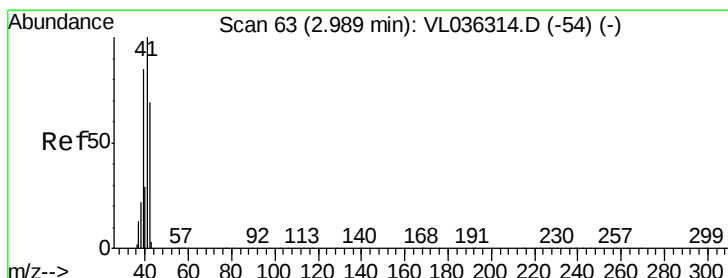
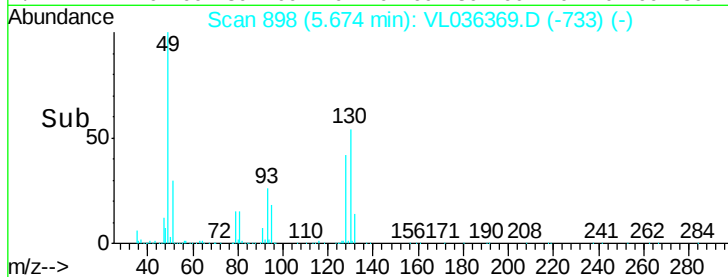
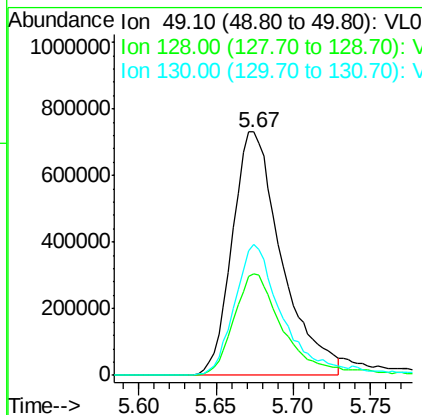
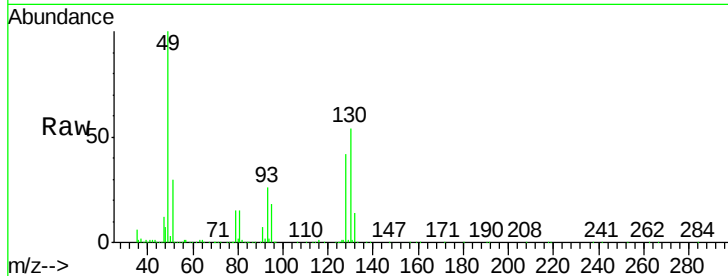
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 898
 Delta R.T. 0.03 min
 Lab File: VL036369.D
 Acq: 25 Feb 2021 3:24

Instrument :
 MSVOA_L
 ClientSampled :
 NS-3DL

Tot Ion: 49 Resp: 1620264
 Ion Ratio Lower Upper
 49 100
 128 43.4 20.8 62.5
 130 54.7 26.7 80.1

Manual Integrations
 APPROVED

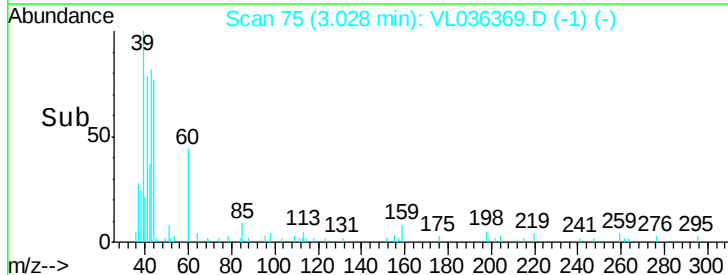
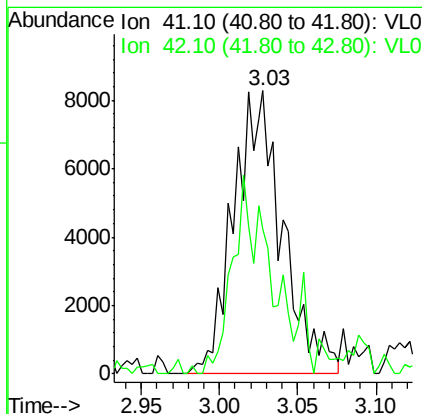
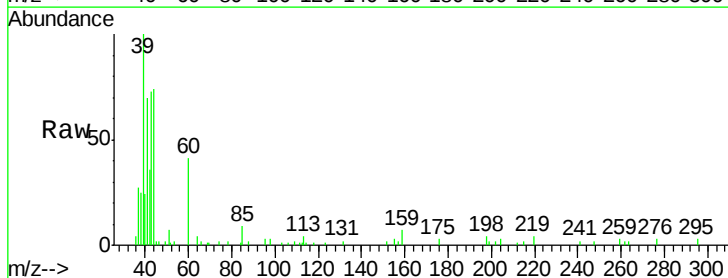
MMDadoda
 2/26/2021 4:18:03 PM

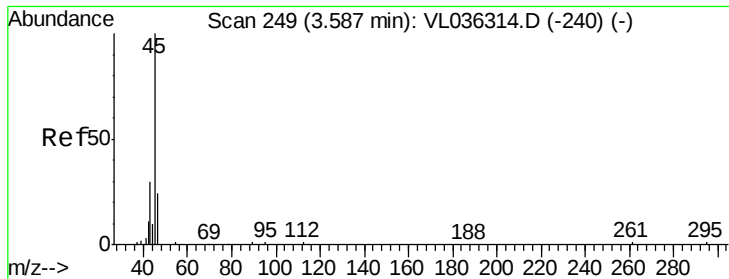


#9

Propene
 Concen: 0.240 ppbv m
 RT: 3.03 min Scan# 75
 Delta R.T. 0.04 min
 Lab File: VL036369.D
 Acq: 25 Feb 2021 3:24

Tgt Ion: 41 Resp: 17988
 Ion Ratio Lower Upper
 41 100
 42 62.9 56.2 84.2





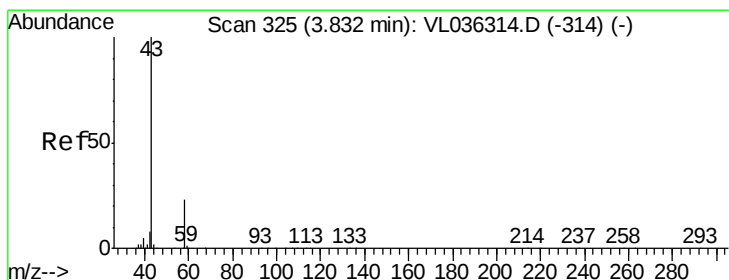
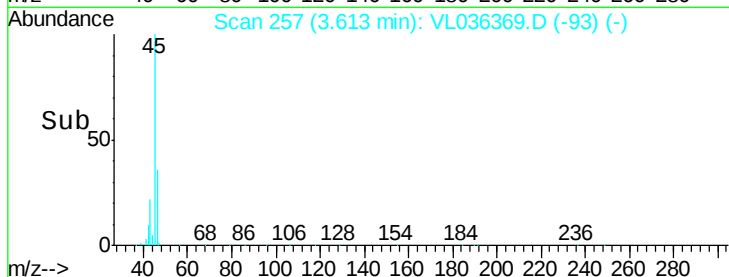
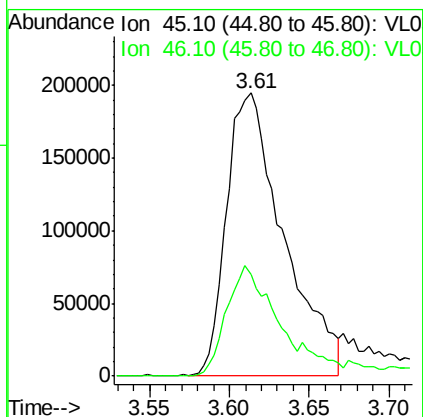
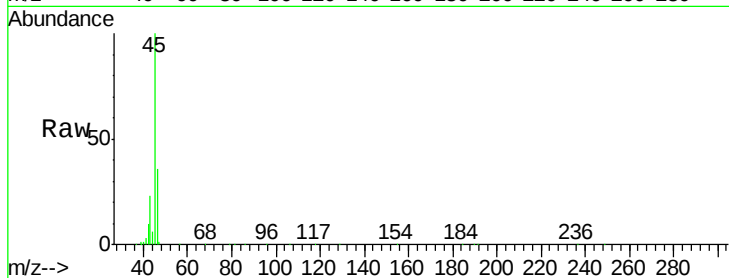
#13
Ethanol
Concen: 33.564 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.03 min
Lab File: VL036369.D
Acq: 25 Feb 2021 3:24

Instrument :
MSVOA_L
ClientSampleId :
NS-3DL

Tot Ion: 45 Resp: 473198
Ion Ratio Lower Upper
45 100
46 42.4 17.7 70.7

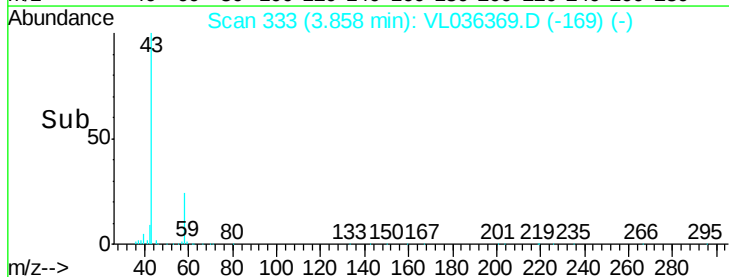
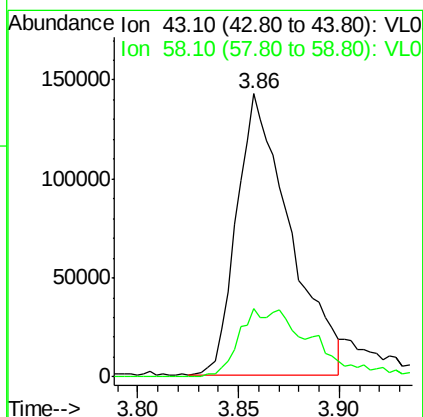
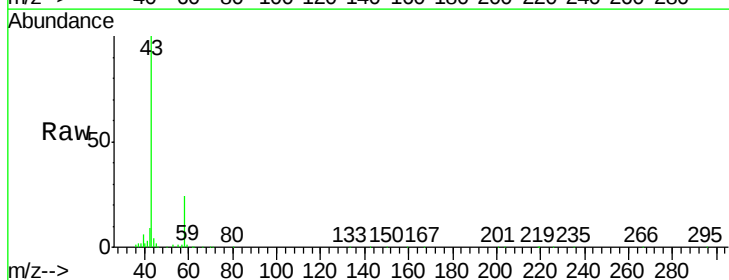
Manual Integrations
APPROVED

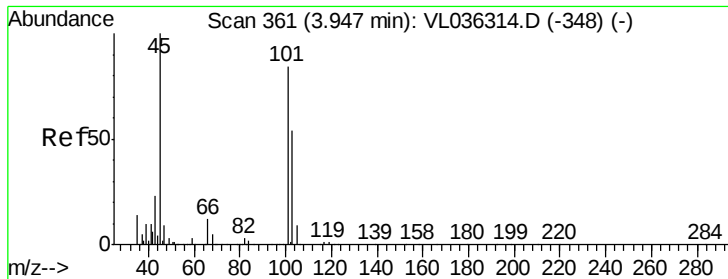
MMDadoda
2/26/2021 4:18:03 PM



#15
Acetone
Concen: 1.333 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.03 min
Lab File: VL036369.D
Acq: 25 Feb 2021 3:24

Tgt Ion: 43 Resp: 264045
Ion Ratio Lower Upper
43 100
58 33.0 20.3 30.5#





#19

Isopropyl Alcohol

Concen: 4.748 ppbv m

RT: 3.98 min Scan# 371

Delta R.T. 0.03 min

Lab File: VL036369.D

Acq: 25 Feb 2021 3:24

Instrument :

MSVOA_L

ClientSampleId :

NS-3DL

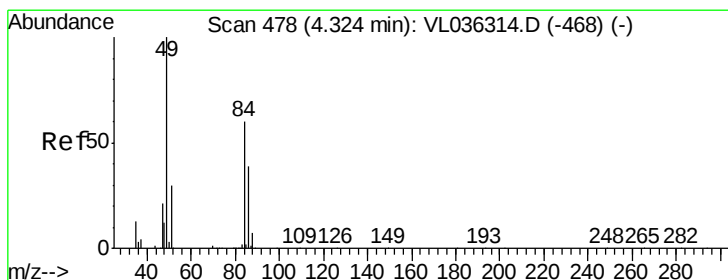
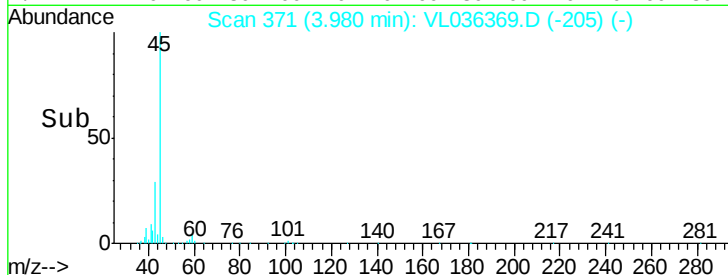
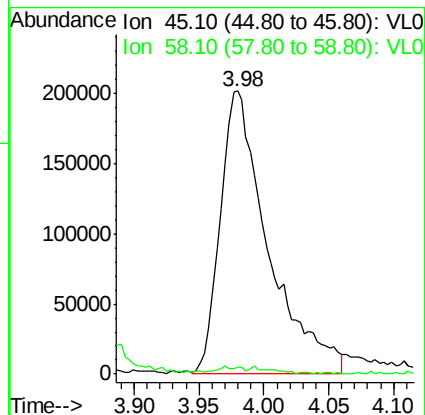
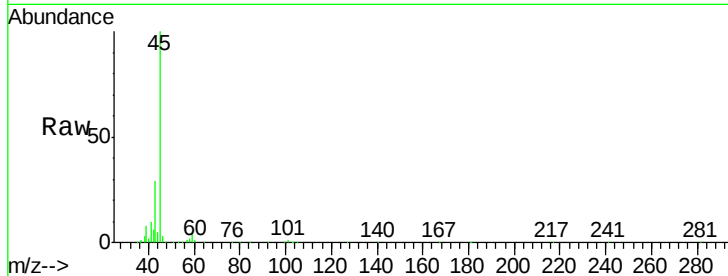
Tot Ion: 45 Resp: 520951
Ion Ratio Lower Upper

45 100

58 3.4 1.9 2.9#

Manual Integrations
APPROVED

MMDadoda
2/26/2021 4:18:03 PM



#20

Methylene Chloride

Concen: 4.493 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.03 min

Lab File: VL036369.D

Acq: 25 Feb 2021 3:24

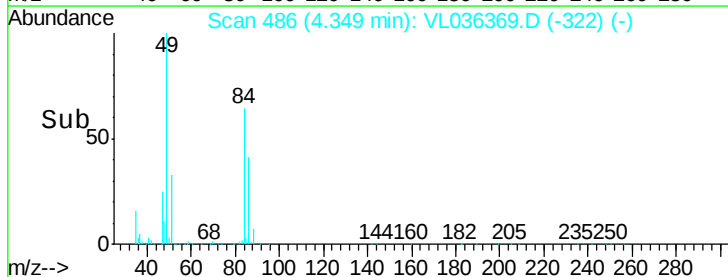
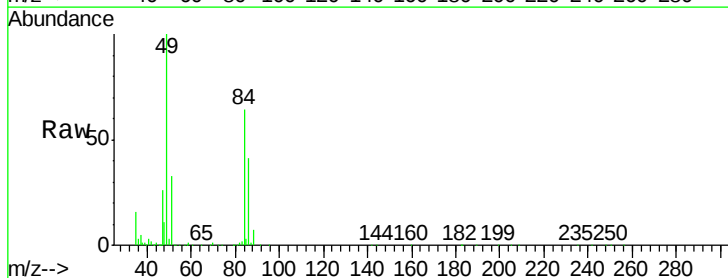
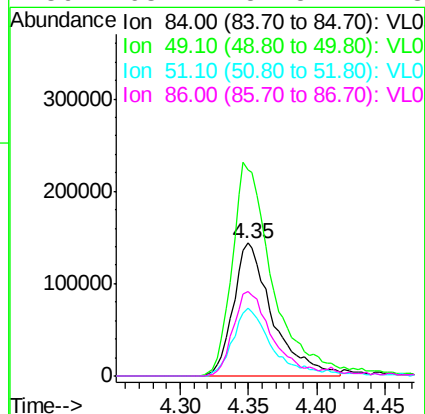
Tgt Ion: 84 Resp: 287110
Ion Ratio Lower Upper

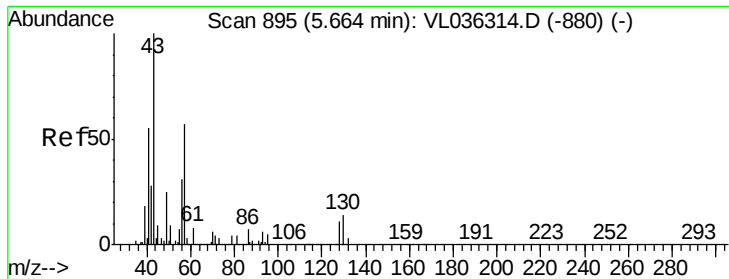
84 100

49 155.6 133.8 200.8

51 50.6 41.4 62.0

86 63.7 51.5 77.3





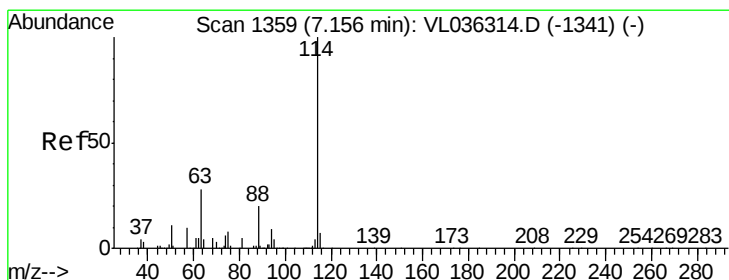
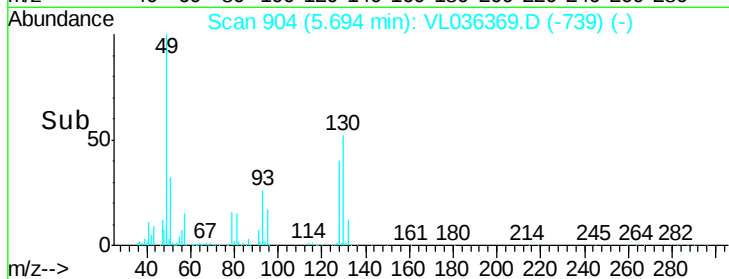
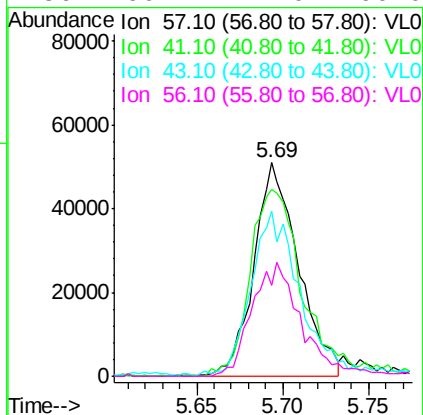
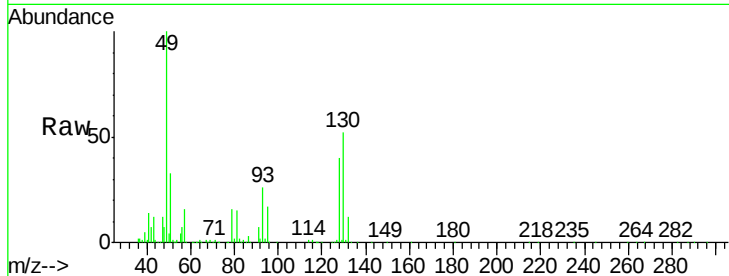
#26
Hexane
Concen: 0.582 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.03 min
Lab File: VL036369.D
Acq: 25 Feb 2021 3:24

Instrument :
MSVOA_L
ClientSampled :
NS-3DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	103.5	81.7	122.5
43	85.8	199.1	298.7#
56	60.2	44.0	66.0

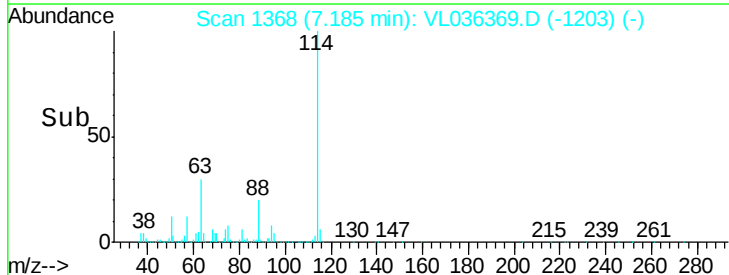
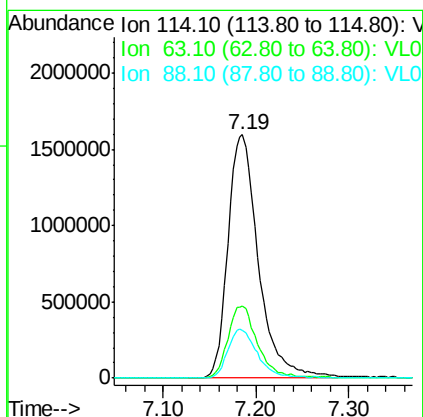
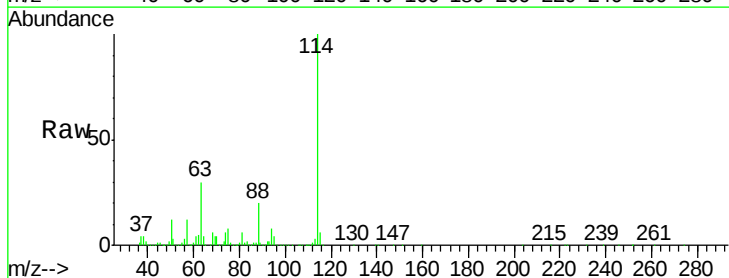
Manual Integrations
APPROVED

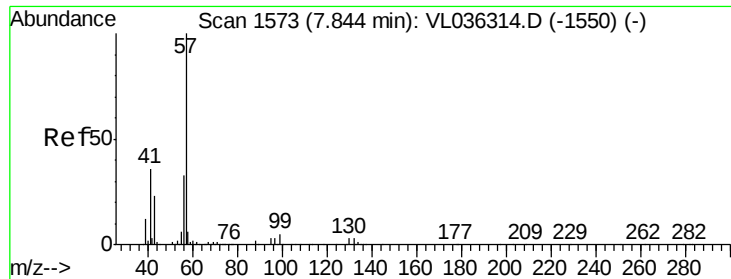
MMDadoda
2/26/2021 4:18:03 PM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.03 min
Lab File: VL036369.D
Acq: 25 Feb 2021 3:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	29.4	24.1	36.1
88	19.9	16.0	24.0





#44

2,2,4-Trimethylpentane

Concen: 0.192 ppbv m

RT: 7.87 min Scan# 1582

Delta R.T. 0.03 min

Lab File: VL036369.D

Acq: 25 Feb 2021 3:24

Instrument :

MSVOA_L

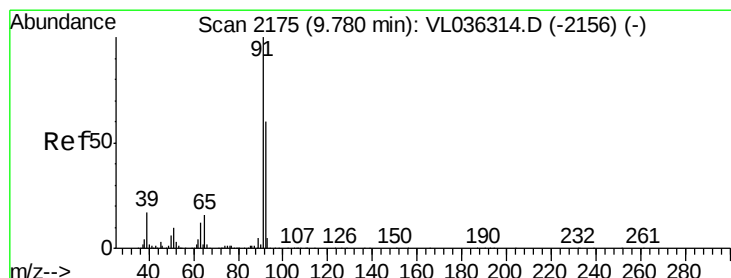
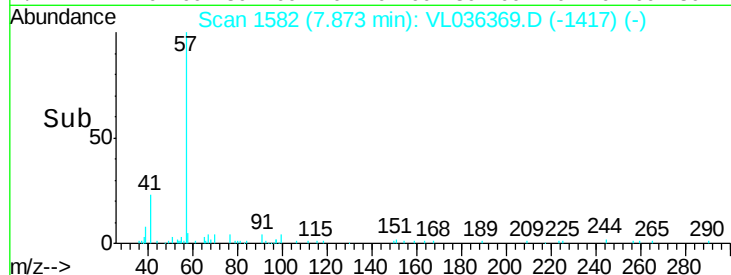
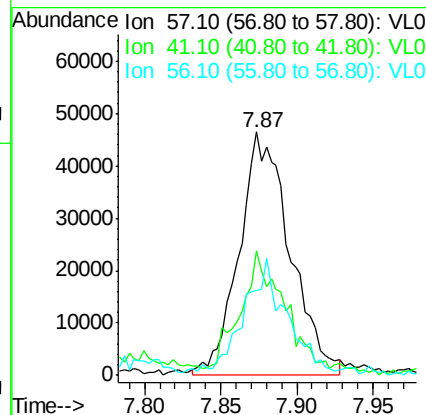
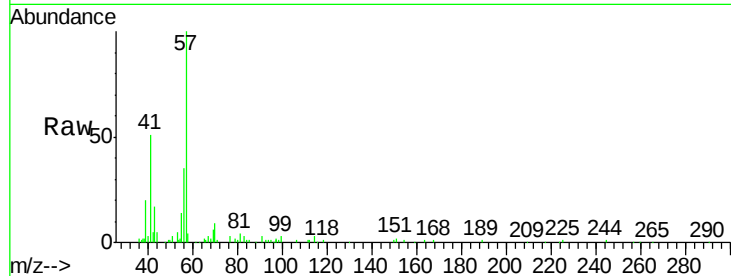
ClientSampleId :

NS-3DL

Tot Ion	57	Resp	107978
Ion	Ratio	Lower	Upper
57	100		
41	47.2	28.8	43.2#
56	0.0	25.8	38.6#

Manual Integrations
APPROVED

MMDadoda
2/26/2021 4:18:03 PM



#53

Toluene

Concen: 0.456 ppbv

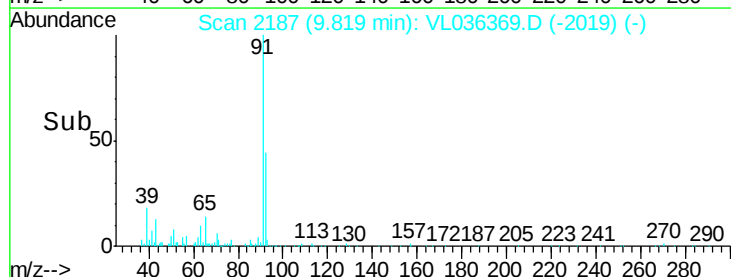
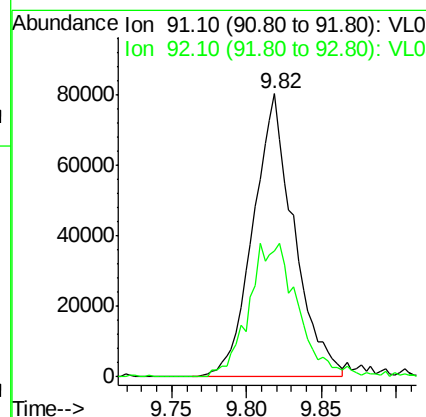
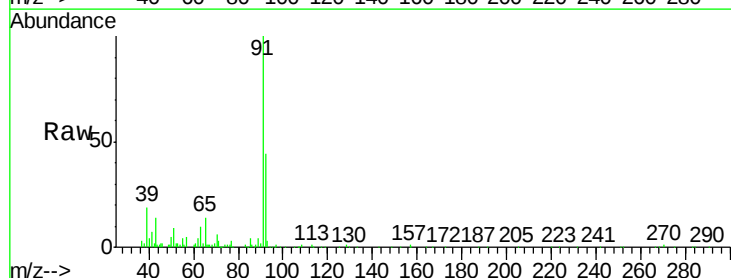
RT: 9.82 min Scan# 2187

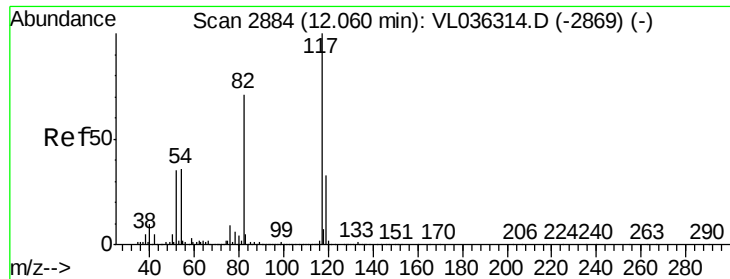
Delta R.T. 0.04 min

Lab File: VL036369.D

Acq: 25 Feb 2021 3:24

Tgt Ion	91	Resp	153046
Ion	Ratio	Lower	Upper
91	100		
92	57.6	48.6	72.8





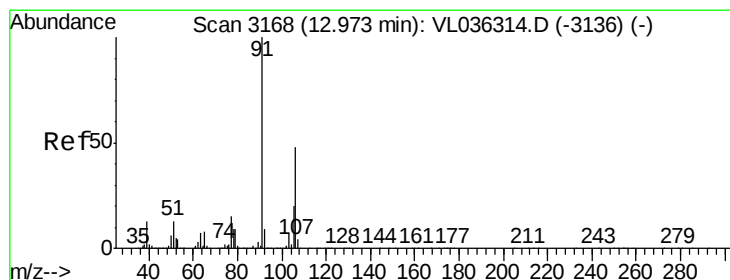
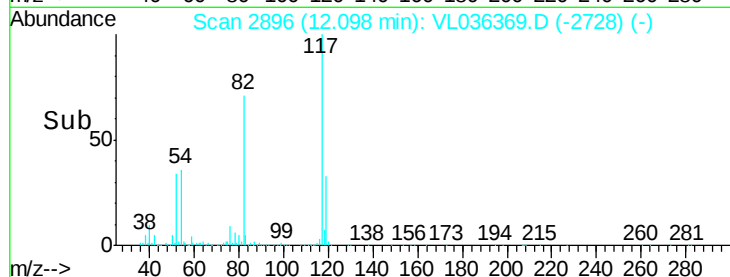
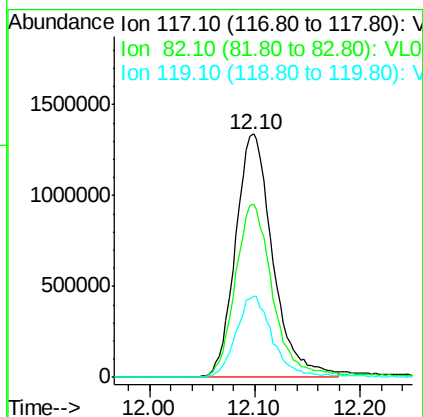
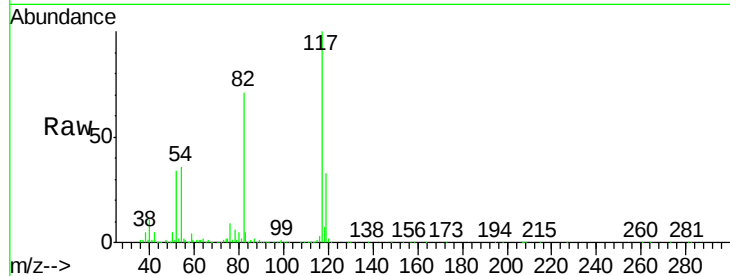
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. 0.04 min
Lab File: VL036369.D
Acq: 25 Feb 2021 3:24

Instrument :
MSVOA_L
ClientSampleId :
NS-3DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	73.1	59.1	88.7
119	33.5	46.3	69.5

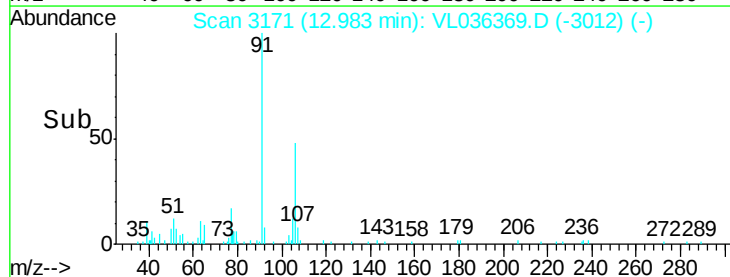
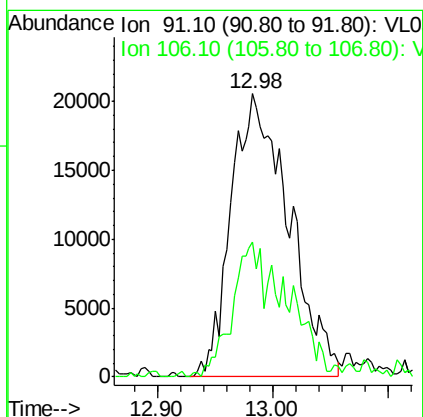
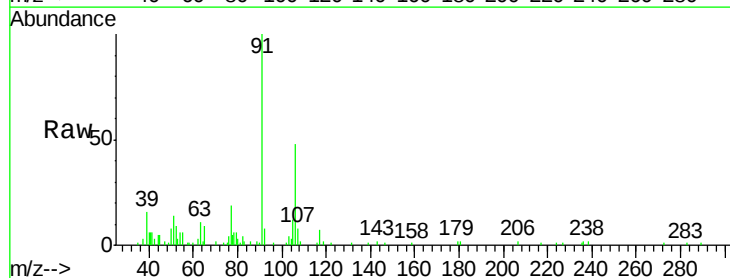
Manual Integrations
APPROVED

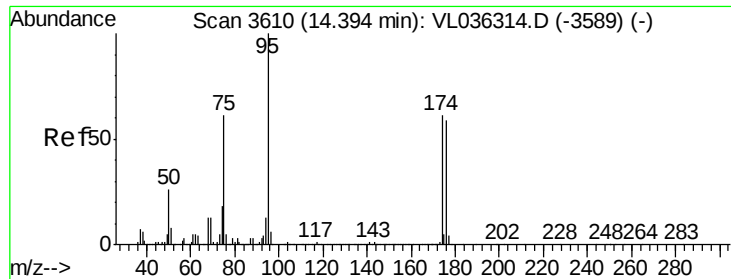
MMDadoda
2/26/2021 4:18:03 PM



#59
m/p-Xylene
Concen: 0.179 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. 0.01 min
Lab File: VL036369.D
Acq: 25 Feb 2021 3:24

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.2	51.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.094 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. 0.04 min
 Lab File: VL036369.D
 Acq: 25 Feb 2021 3:24

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-3DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	62.6	49.8	74.6
175	4.5	3.7	5.5

Manual Integrations
 APPROVED

MMDadoda
 2/26/2021 4:18:03 PM

