

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091420\
 Data File : VL035616.D
 Acq On : 15 Sep 2020 2:04
 Operator : SY/AP
 Sample : L3983-05DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-11ADL

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 5:41:00 PM

Quant Time: Sep 17 16:10:27 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	5.65	49	976102	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	4271725	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	4253809	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	3148922	10.42	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.24	62	13971	0.196	ppbv	95
9) Propene	3.00	41	255921	6.149	ppbv	94
15) Acetone	3.84	43	764973	7.106	ppbv	97
18) 1,1-Dichloroethene	4.28	96	11046m	0.135	ppbv	
22) trans-1,2-Dichloroethene	4.87	96	29688	0.340	ppbv	89
29) Chloroform	5.74	83	33077	0.151	ppbv	95
31) cis-1,2-Dichloroethene	5.53	61	1052287	9.518	ppbv	100
34) 2-Butanone	5.24	43	65283	0.515	ppbv	95
36) Benzene	6.88	78	34263	0.124	ppbv #	93
38) Trichloroethene	7.82	130	1809719	11.267	ppbv	96
52) Tetrachloroethene	11.22	164	9894022m	61.249	ppbv	
53) Toluene	9.80	91	63055	0.181	ppbv	97
59) m/p-Xylene	12.97	91	51474m	0.140	ppbv	

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

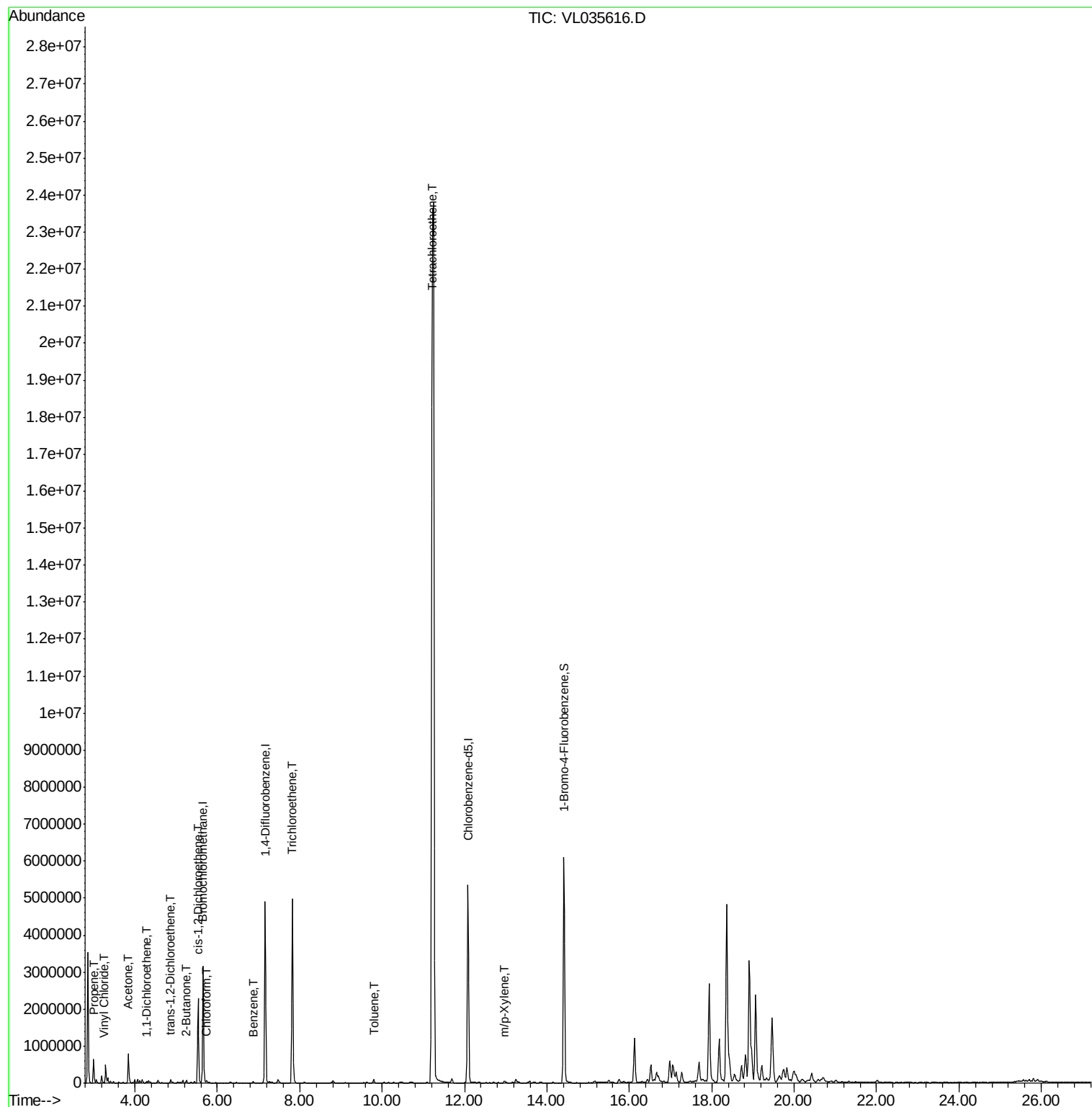
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091420\
Data File : VL035616.D
Acq On : 15 Sep 2020 2:04
Operator : SY/AP
Sample : L3983-05DL 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

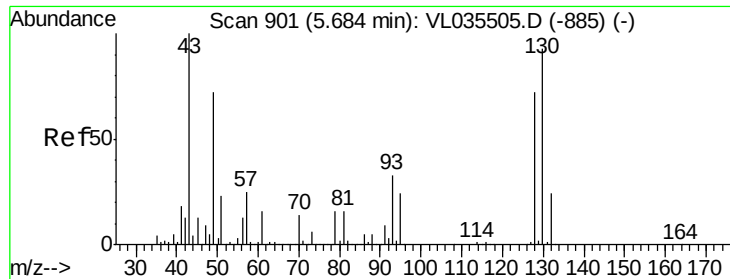
Instrument :
MSVOA_L
ClientSampleId :
SV-11ADL

Manual Integrations
APPROVED

MMDadoda
9/17/2020 5:41:00 PM

Quant Time: Sep 17 16:10:27 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: 5.65 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL035616.D

Acq: 15 Sep 2020 2:04

Instrument :

MSVOA_L

ClientSampleId :

SV-11ADL

Tot Ion: 49 Resp: 976102

Ion Ratio Lower Upper

49 100

128 95.9 50.0 150.1

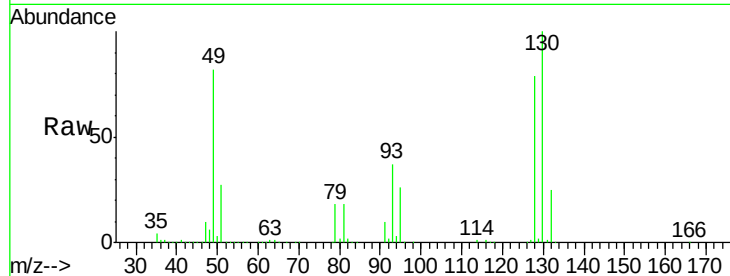
130 122.8 64.4 193.2

Manual Integrations

APPROVED

MMDadoda

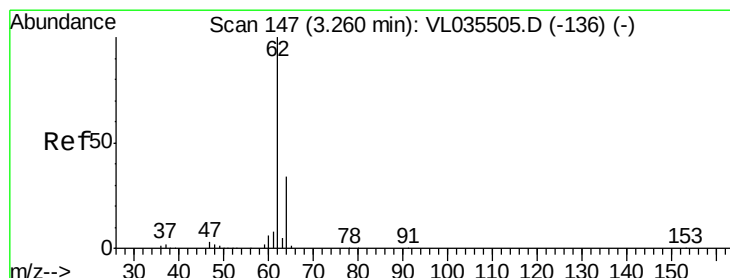
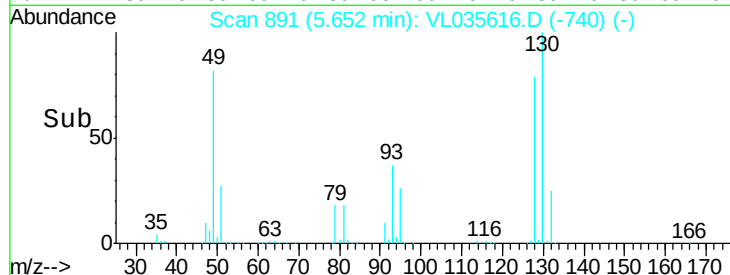
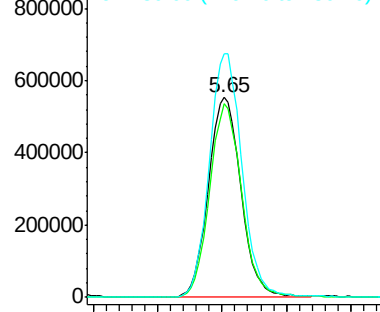
9/17/2020 5:41:00 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#5

Vinyl Chloride

Concen: 0.196 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.00 min

Lab File: VL035616.D

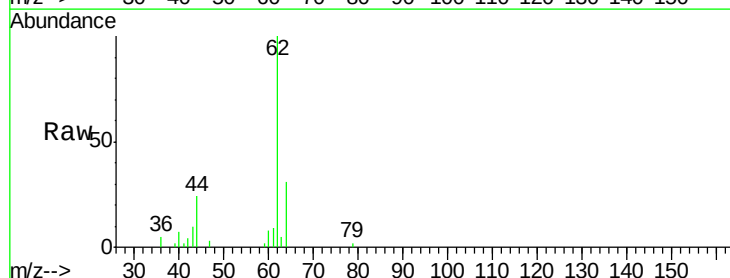
Acq: 15 Sep 2020 2:04

Tgt Ion: 62 Resp: 13971

Ion Ratio Lower Upper

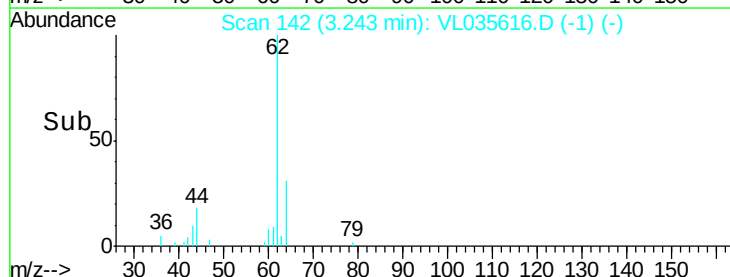
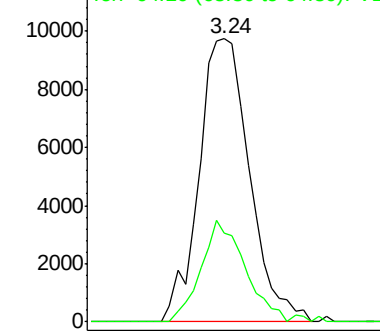
62 100

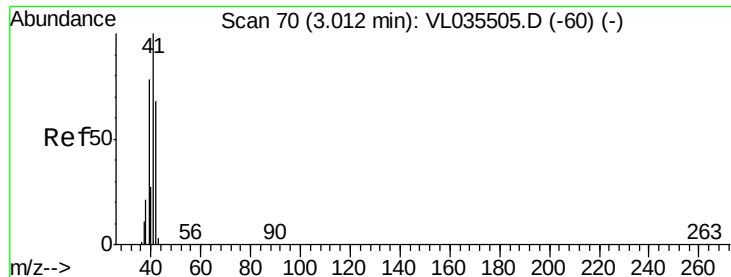
64 31.2 27.4 41.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#9

Propene

Concen: 6.149 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL035616.D

Acq: 15 Sep 2020 2:04

Instrument :

MSVOA_L

ClientSampleId :

SV-11ADL

Tot Ion: 41 Resp: 255921

Ion Ratio Lower Upper

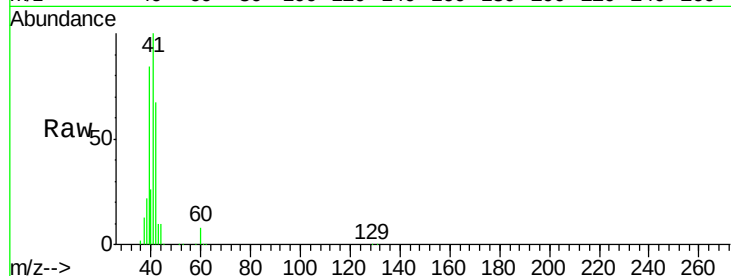
41 100

42 65.3 56.3 84.5

Manual Integrations
APPROVED

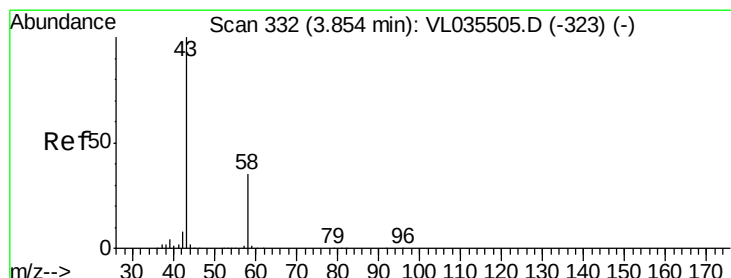
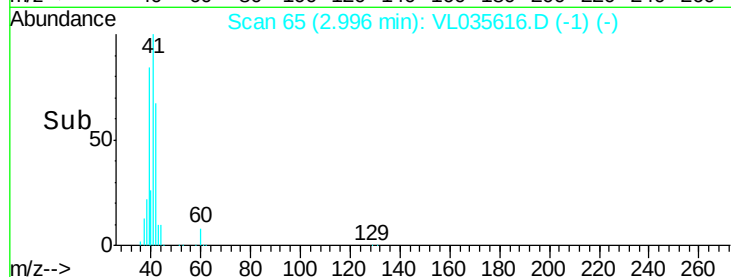
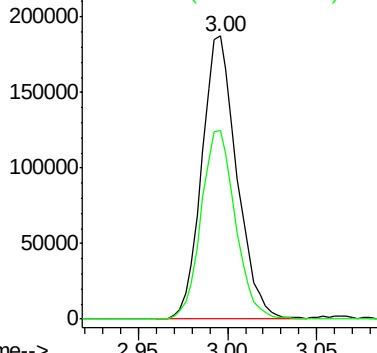
MMDadoda

9/17/2020 5:41:00 PM



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#15

Acetone

Concen: 7.106 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.00 min

Lab File: VL035616.D

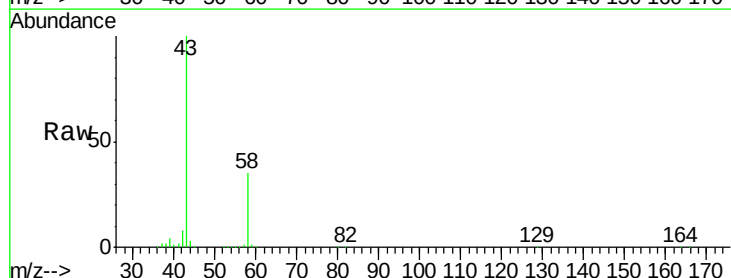
Acq: 15 Sep 2020 2:04

Tgt Ion: 43 Resp: 764973

Ion Ratio Lower Upper

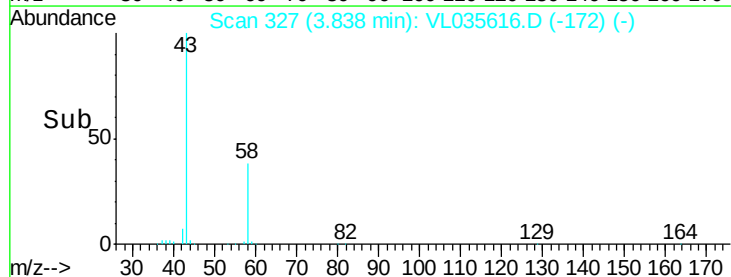
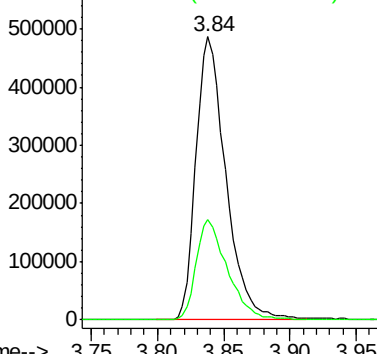
43 100

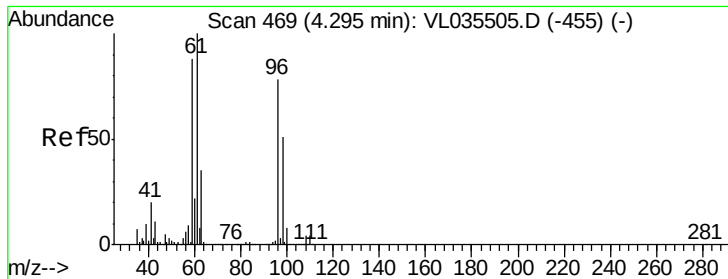
58 37.4 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





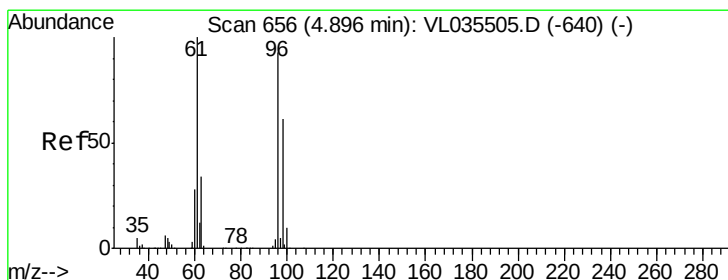
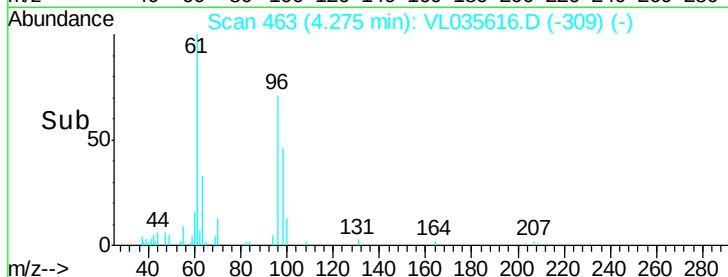
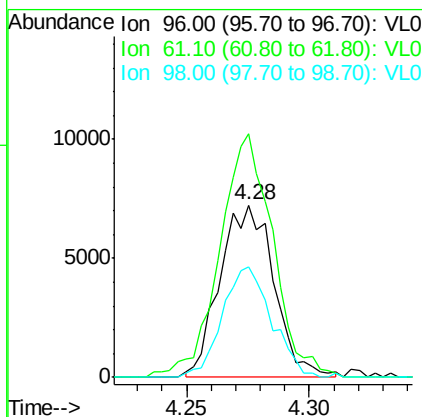
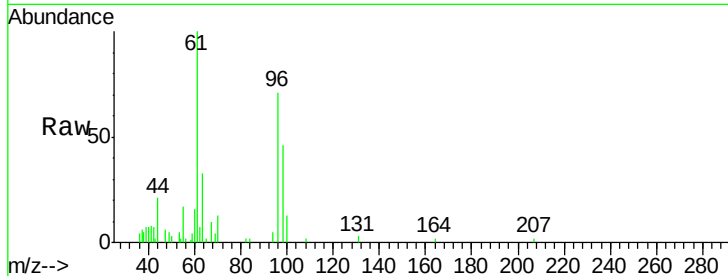
#18
 1,1-Dichloroethene
 Concen: 0.135 ppbv m
 RT: 4.28 min Scan# 463
 Delta R.T. -0.00 min
 Lab File: VL035616.D
 Acq: 15 Sep 2020 2:04

Instrument :
 MSVOA_L
 ClientSampleID :
 SV-11ADL

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.5	103.0	154.6
98	64.5	52.8	79.2

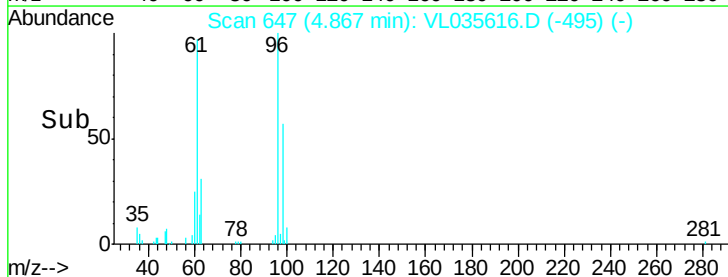
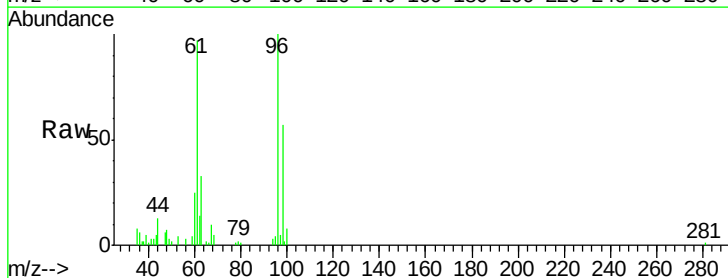
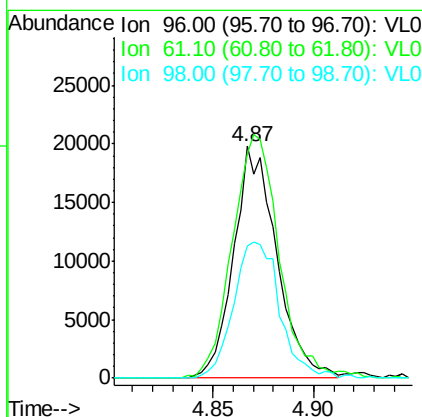
Manual Integrations
 APPROVED

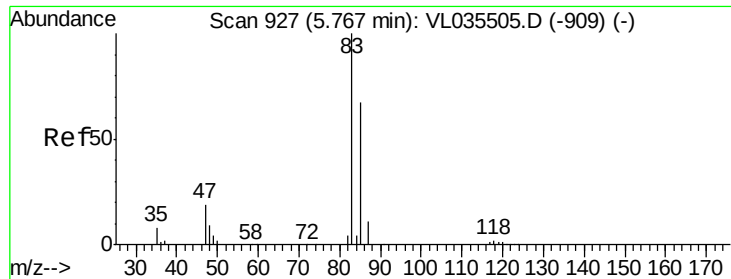
MMDadoda
 9/17/2020 5:41:00 PM



#22
 trans-1,2-Dichloroethene
 Concen: 0.340 ppbv
 RT: 4.87 min Scan# 647
 Delta R.T. -0.01 min
 Lab File: VL035616.D
 Acq: 15 Sep 2020 2:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	95.4	86.0	129.0
98	56.9	52.3	78.5





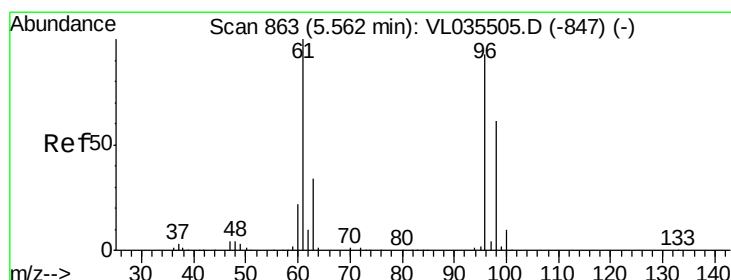
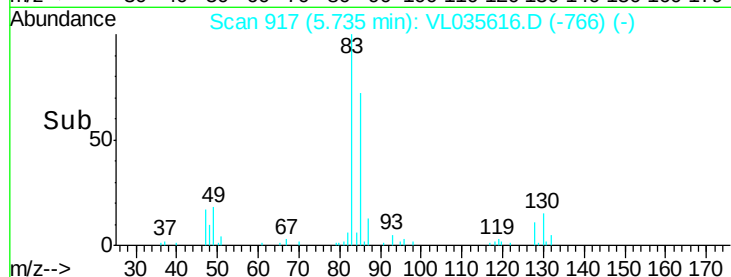
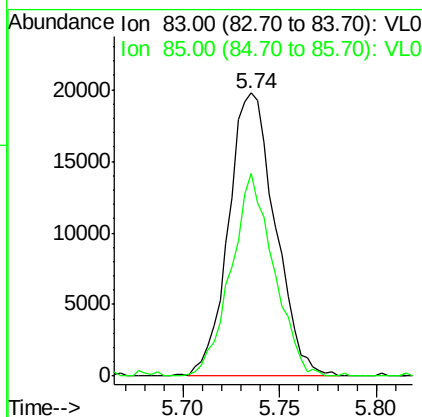
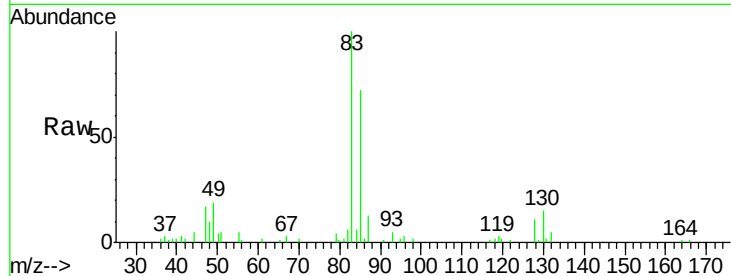
#29
Chloroform
Concen: 0.151 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.01 min
Lab File: VL035616.D
Acq: 15 Sep 2020 2:04

Instrument :
MSVOA_L
ClientSampleId :
SV-11ADL

Tot Ion: 83 Resp: 33077
Ion Ratio Lower Upper
83 100
85 71.8 53.9 80.9

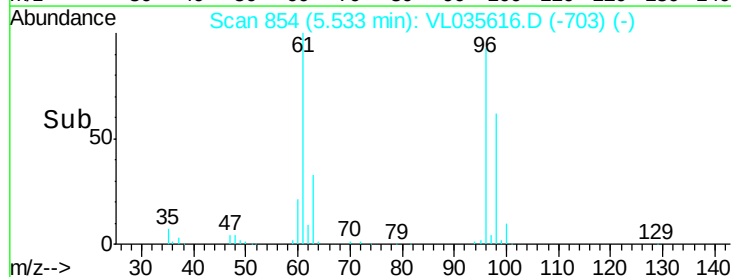
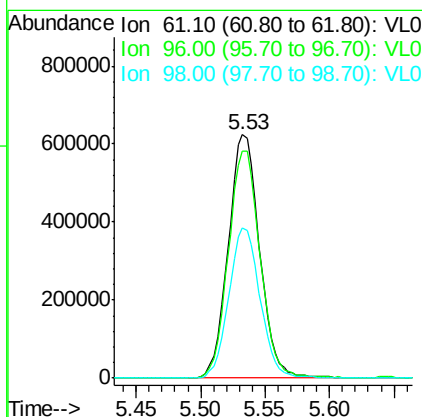
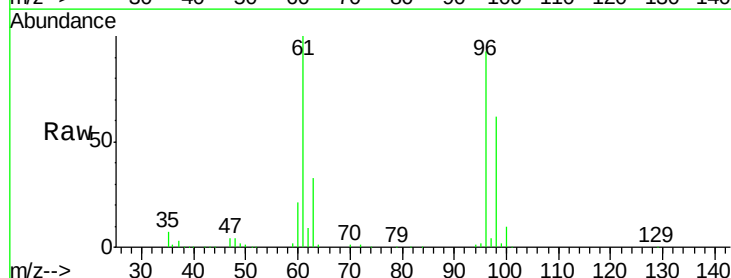
Manual Integrations
APPROVED

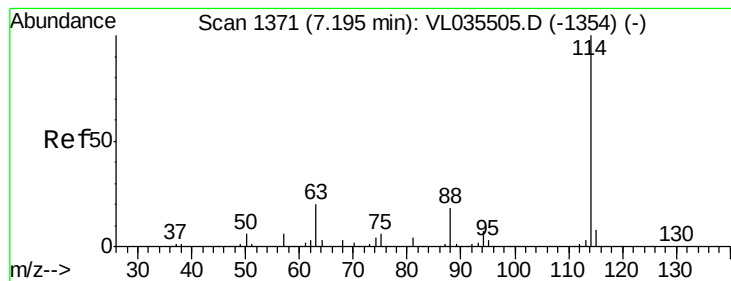
MMDadoda
9/17/2020 5:41:00 PM



#31
cis-1,2-Dichloroethene
Concen: 9.518 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.01 min
Lab File: VL035616.D
Acq: 15 Sep 2020 2:04

Tgt Ion: 61 Resp: 1052287
Ion Ratio Lower Upper
61 100
96 93.4 74.4 111.6
98 61.6 49.2 73.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.01 min

Lab File: VL035616.D

Acq: 15 Sep 2020 2:04

Instrument :

MSVOA_L

ClientSampleId :

SV-11ADL

Tot Ion:114 Resp: 4271725

Ion Ratio Lower Upper

114 100

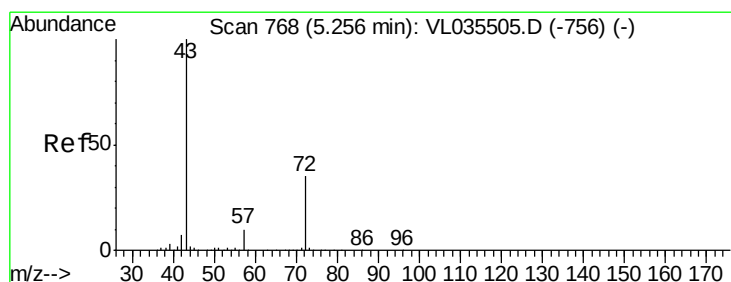
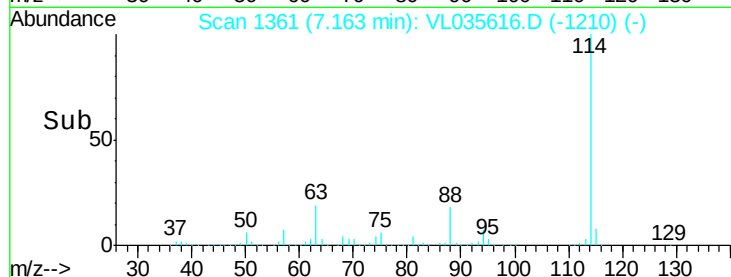
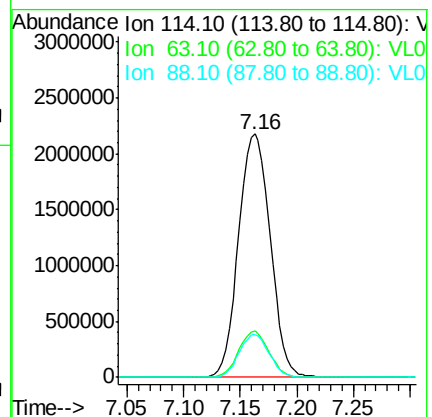
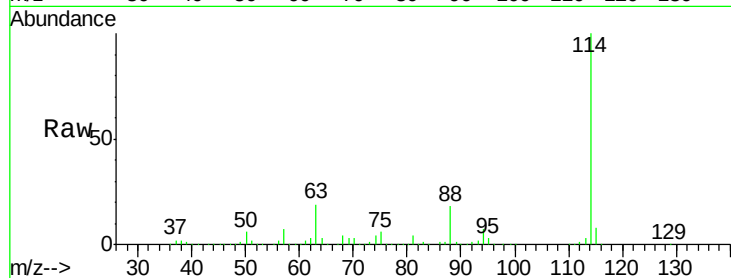
63 18.1 14.7 22.1

88 16.8 13.4 20.2

Manual Integrations
APPROVED

MMDadoda

9/17/2020 5:41:00 PM



#34

2-Butanone

Concen: 0.515 ppbv

RT: 5.24 min Scan# 764

Delta R.T. 0.00 min

Lab File: VL035616.D

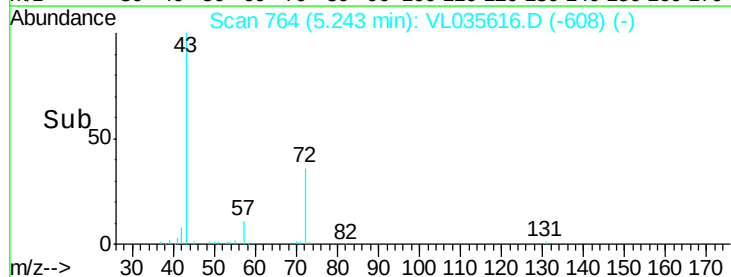
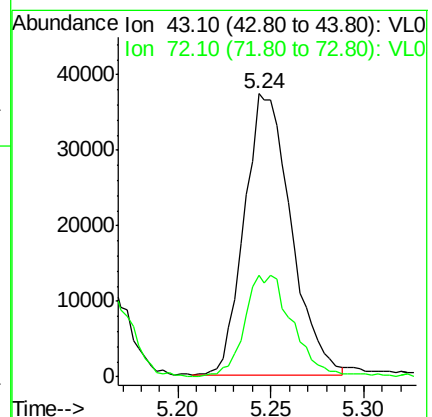
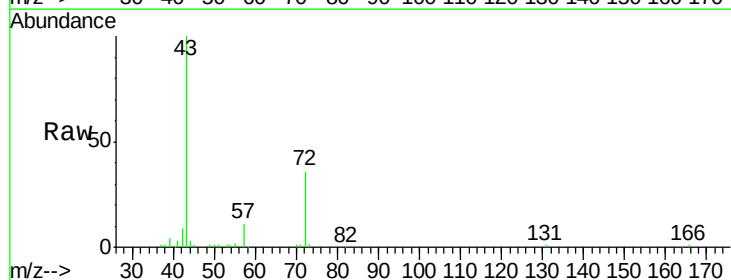
Acq: 15 Sep 2020 2:04

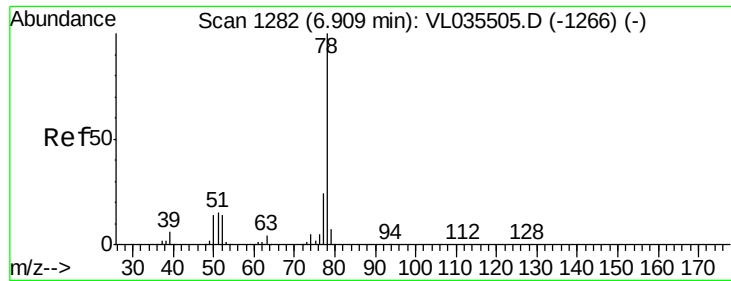
Tgt Ion: 43 Resp: 65283

Ion Ratio Lower Upper

43 100

72 37.6 27.7 41.5





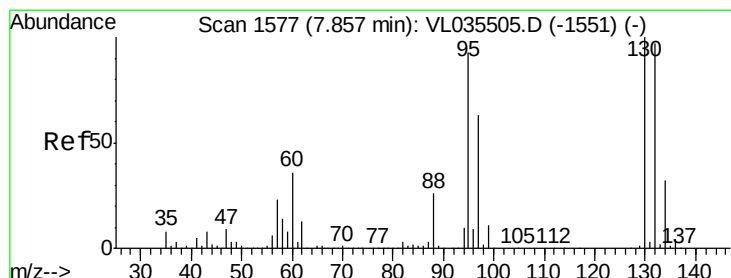
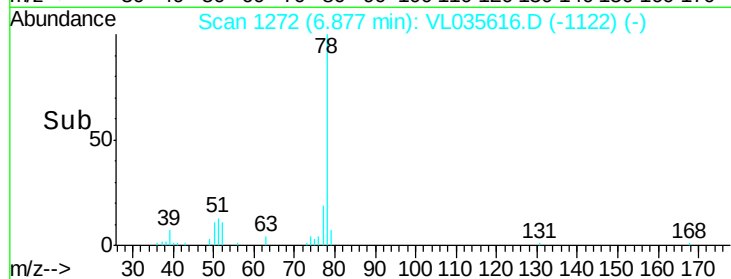
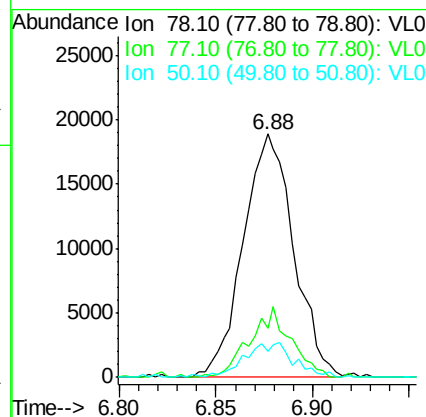
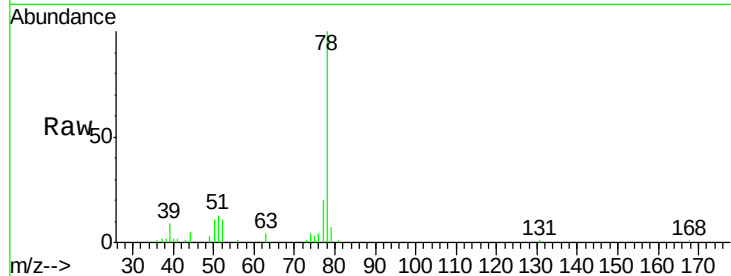
#36
Benzene
Concen: 0.124 ppbv
RT: 6.88 min Scan# 1272
Delta R.T. -0.02 min
Lab File: VL035616.D
Acq: 15 Sep 2020 2:04

Instrument :
MSVOA_L
ClientSampleId :
SV-11ADL

Tot Ion	Ratio	Lower	Upper
78	100		
77	20.4	19.3	28.9
50	10.8	11.0	16.6#

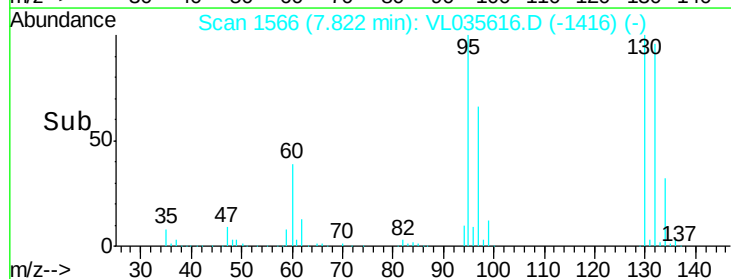
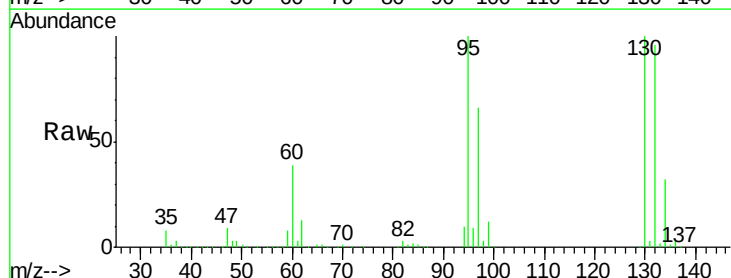
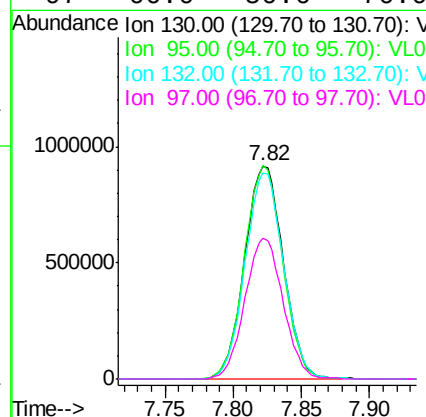
Manual Integrations
APPROVED

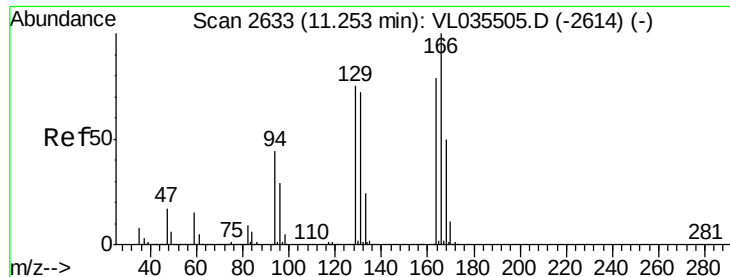
MMDadoda
9/17/2020 5:41:00 PM



#38
Trichloroethene
Concen: 11.267 ppbv
RT: 7.82 min Scan# 1566
Delta R.T. -0.02 min
Lab File: VL035616.D
Acq: 15 Sep 2020 2:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.2	74.6	112.0
132	96.6	77.6	116.4
97	66.0	50.6	76.0





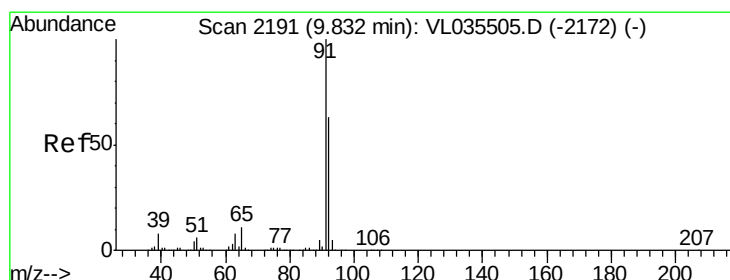
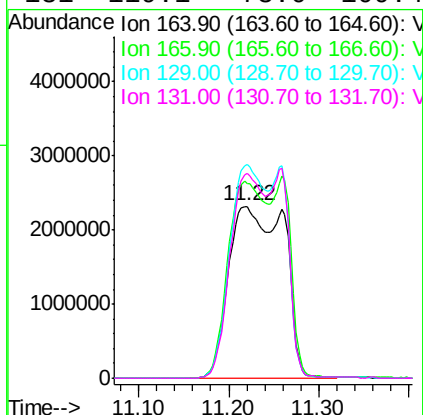
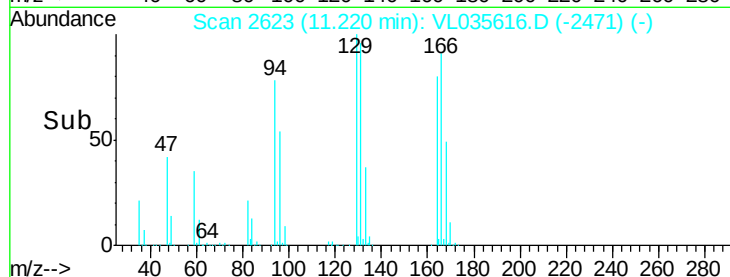
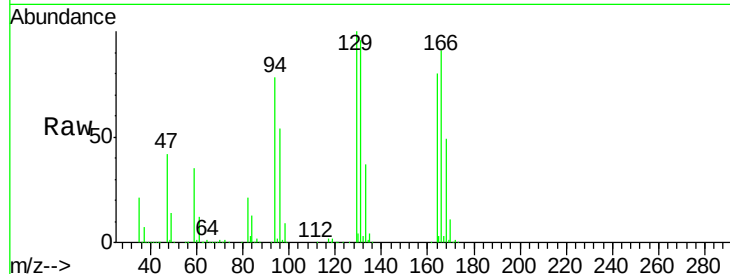
#52
Tetrachloroethene
Concen: 61.249 ppbv m
RT: 11.22 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL035616.D
Acq: 15 Sep 2020 2:04

Instrument :
MSVOA_L
ClientSampleId :
SV-11ADL

Tot Ion:164 Resp: 9894022
Ion Ratio Lower Upper
164 100
166 113.5 100.9 151.3
129 124.2 75.3 112.9#
131 119.1 73.0 109.4#

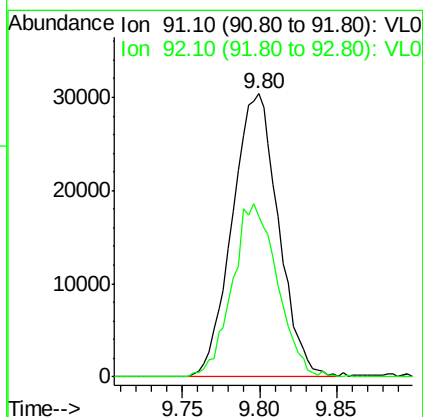
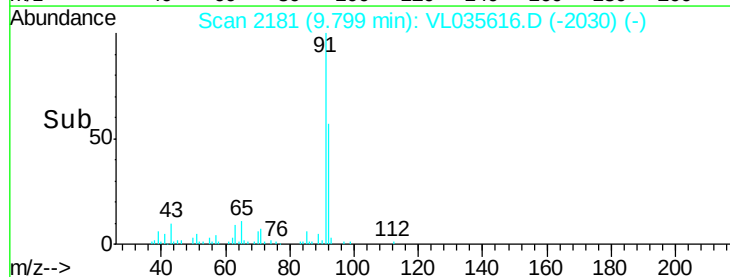
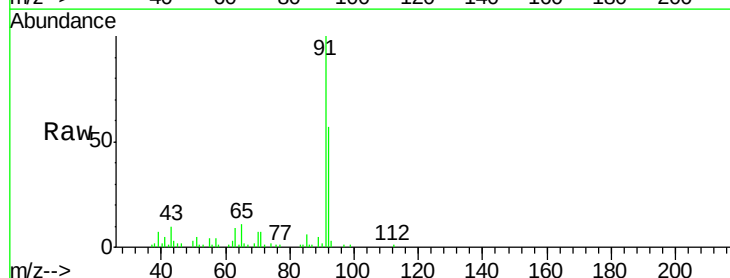
Manual Integrations
APPROVED

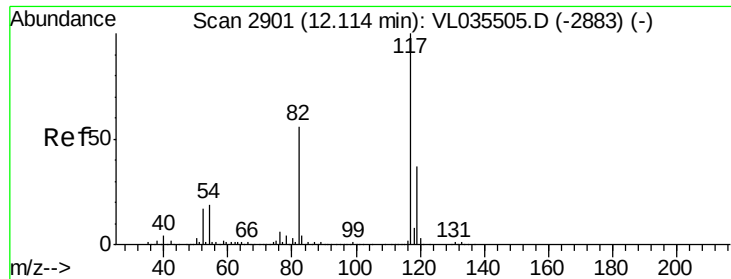
MMDadoda
9/17/2020 5:41:00 PM



#53
Toluene
Concen: 0.181 ppbv
RT: 9.80 min Scan# 2181
Delta R.T. -0.01 min
Lab File: VL035616.D
Acq: 15 Sep 2020 2:04

Tgt Ion: 91 Resp: 63055
Ion Ratio Lower Upper
91 100
92 59.7 49.8 74.8





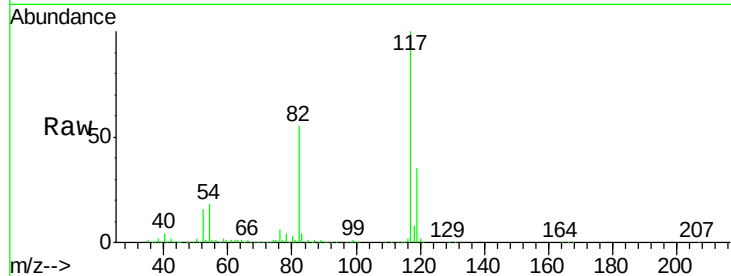
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL035616.D
Acq: 15 Sep 2020 2:04

Instrument :
MSVOA_L
ClientSampleId :
SV-11ADL

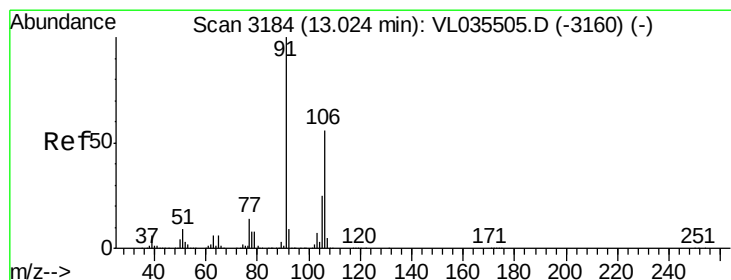
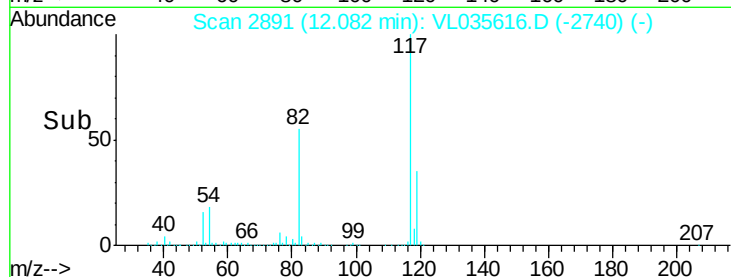
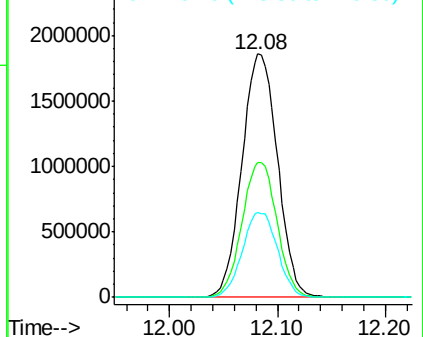
Tot Ion:117 Resp: 4253809
Ion Ratio Lower Upper
117 100
82 54.6 41.6 62.4
119 34.6 29.3 43.9

Manual Integrations
APPROVED

MMDadoda
9/17/2020 5:41:00 PM

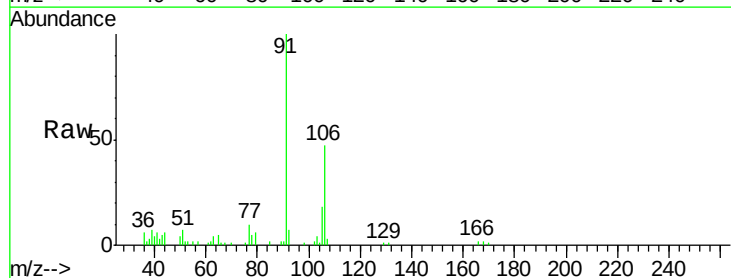


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

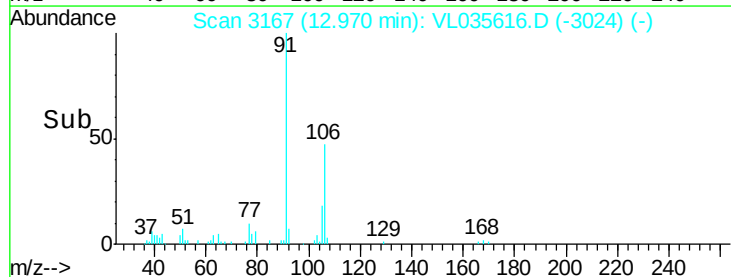
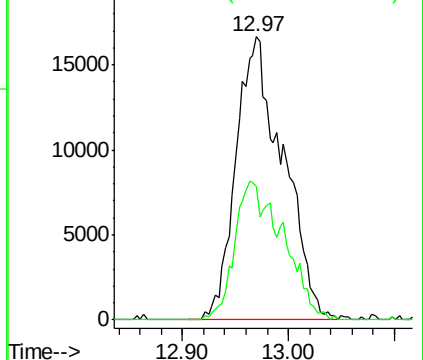


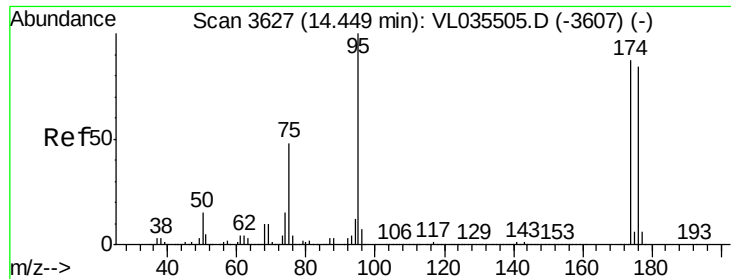
#59
m/p-Xylene
Concen: 0.140 ppbv m
RT: 12.97 min Scan# 3167
Delta R.T. -0.04 min
Lab File: VL035616.D
Acq: 15 Sep 2020 2:04

Tgt Ion: 91 Resp: 51474
Ion Ratio Lower Upper
91 100
106 0.0 43.4 65.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.424 ppbv
 RT: 14.41 min Scan# 3616
 Delta R.T. -0.02 min
 Lab File: VL035616.D
 Acq: 15 Sep 2020 2:04

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-11ADL

Tot Ion:	95	Resp:	3148922
Ion	Ratio	Lower	Upper
95	100		
174	80.2	69.6	104.4
175	5.8	5.1	7.7

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 5:41:00 PM

