

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
 Data File : VL036763.D
 Acq On : 8 Apr 2021 23:48
 Operator : SY/AP
 Sample : M1981-02DL2 80X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4DL2

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:47:41 AM

Quant Time: Apr 09 09:58:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1413652	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3450579	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	2763782	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.41	95	1742819	7.91	ppbv	-0.01	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.25	62	28375m	0.296	ppbv	
9) Propene	3.01	41	33007m	0.392	ppbv	
15) Acetone	3.84	43	418910	3.011	ppbv	95
19) Isopropyl Alcohol	3.98	45	24048m	0.314	ppbv	
20) Methylene Chloride	4.33	84	11623m	0.178	ppbv	
26) Hexane	5.67	57	18860m	0.123	ppbv	
30) Cyclohexane	7.14	84	20264m	0.163	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	45677m	0.308	ppbv	
34) 2-Butanone	5.25	43	71480	0.424	ppbv	# 80
36) Benzene	6.88	78	30291m	0.095	ppbv	
38) Trichloroethene	7.83	130	50884m	0.411	ppbv	
44) 2,2,4-Trimethylpentane	7.85	57	224545m	0.401	ppbv	
59) m/p-Xylene	12.96	91	39569m	0.113	ppbv	

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

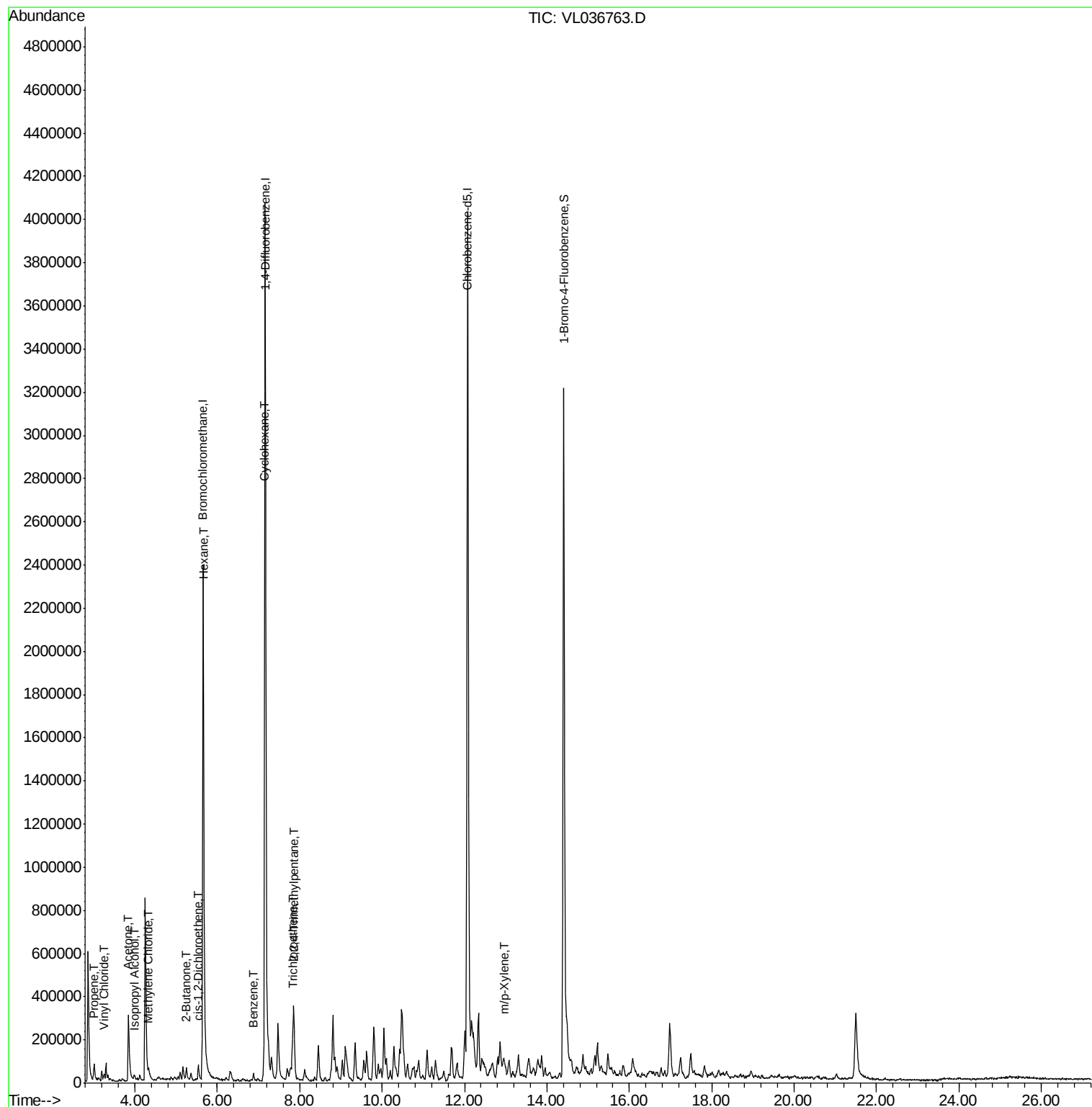
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040821\
Data File : VL036763.D
Acq On : 8 Apr 2021 23:48
Operator : SY/AP
Sample : M1981-02DL2 80X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

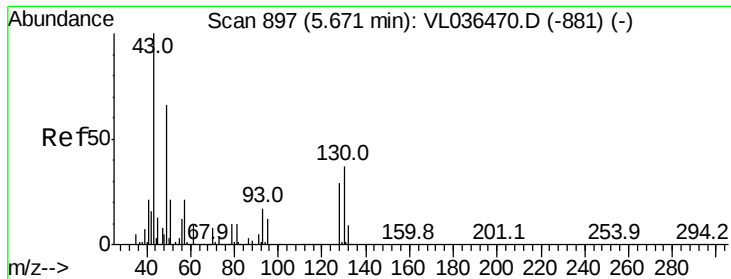
Instrument :
MSVOA_L
ClientSampleId :
SG-4DL2

Manual Integrations
APPROVED

MMDadoda
4/12/2021 11:47:41 AM

Quant Time: Apr 09 09:58:14 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

Lab File: VL036763.D

Acq: 8 Apr 2021 23:48

Instrument :

MSVOA_L

ClientSampleId :

SG-4DL2

Tot Ion: 49 Resp: 1413652

Ion Ratio Lower Upper

49 100

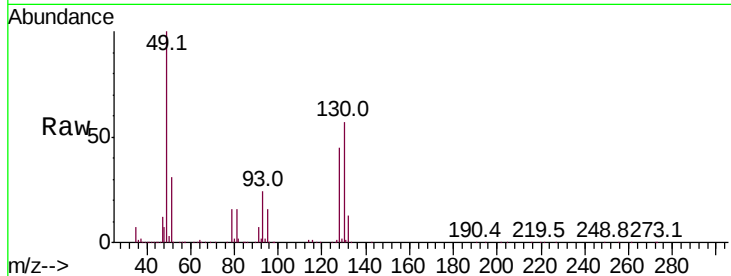
128 47.7 23.5 70.6

130 59.3 29.1 87.4

Manual Integrations
APPROVED

MMDadoda

4/12/2021 11:47:41 AM

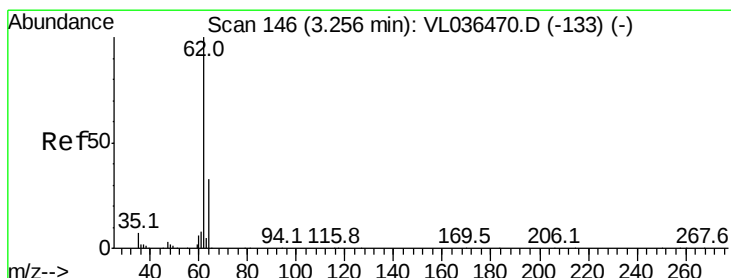
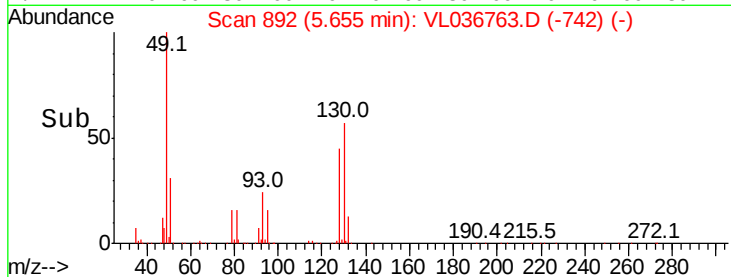
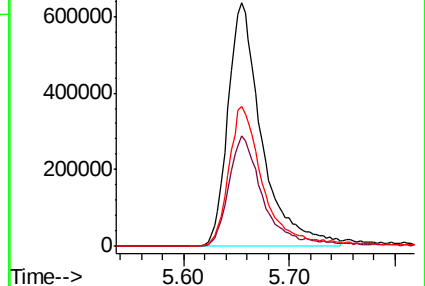


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.65



#5

Vinyl Chloride

Concen: 0.296 ppbv m

RT: 3.25 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL036763.D

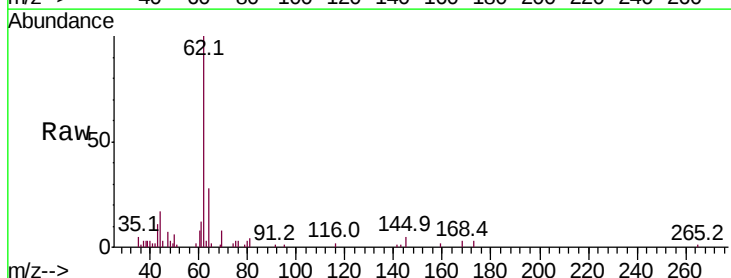
Acq: 8 Apr 2021 23:48

Tgt Ion: 62 Resp: 28375

Ion Ratio Lower Upper

62 100

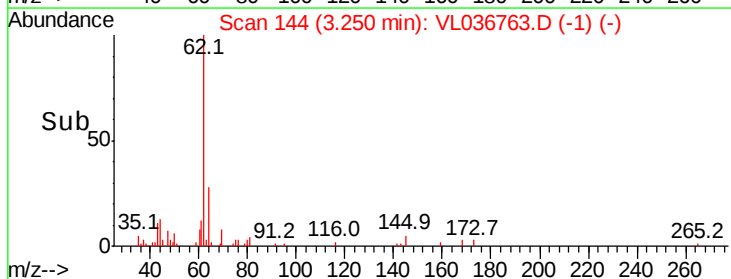
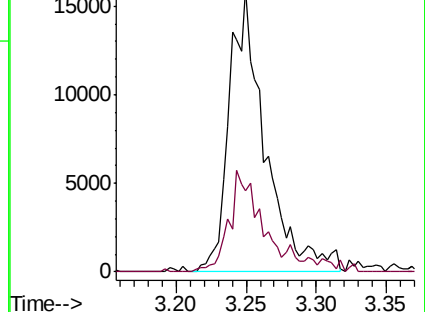
64 28.5 26.4 39.6

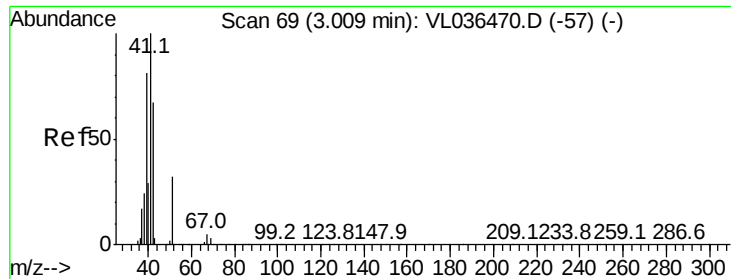


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25





#9

Propene

Concen: 0.392 ppbv m

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL036763.D

Acq: 8 Apr 2021 23:48

Instrument :

MSVOA_L

ClientSampleId :

SG-4DL2

Tot Ion: 41 Resp: 33007

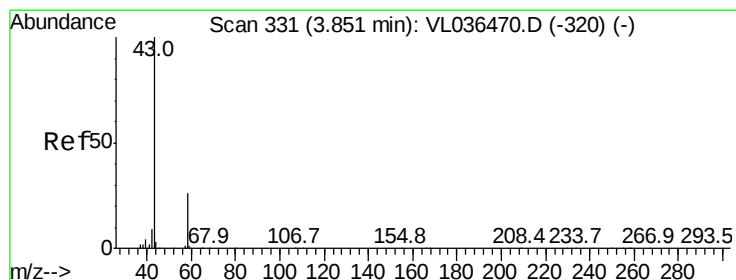
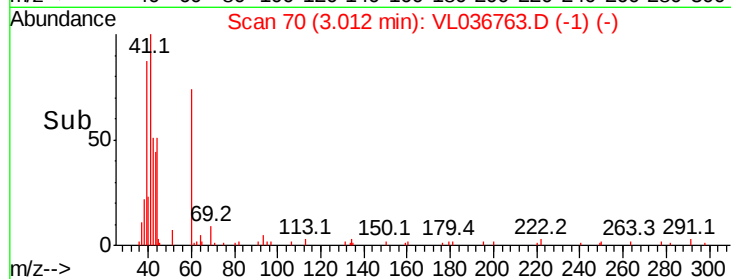
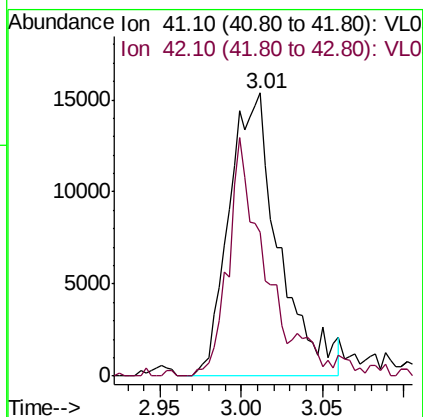
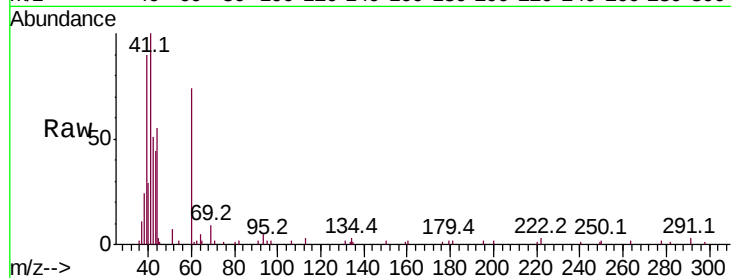
Ion Ratio Lower Upper

41 100

42 6.1 57.0 85.4#

Manual Integrations
APPROVED

MMDadoda
4/12/2021 11:47:41 AM



#15

Acetone

Concen: 3.011 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL036763.D

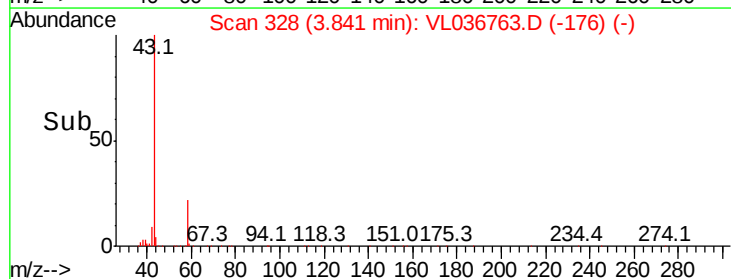
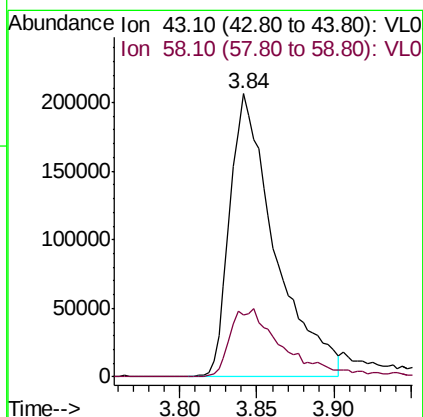
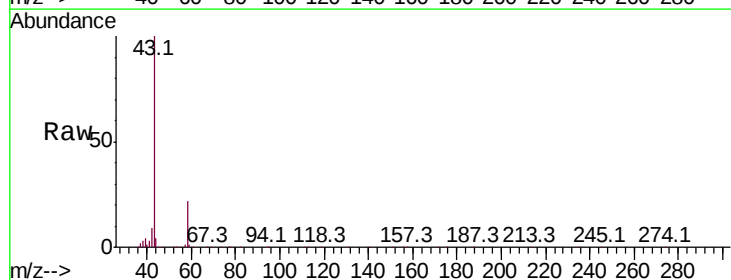
Acq: 8 Apr 2021 23:48

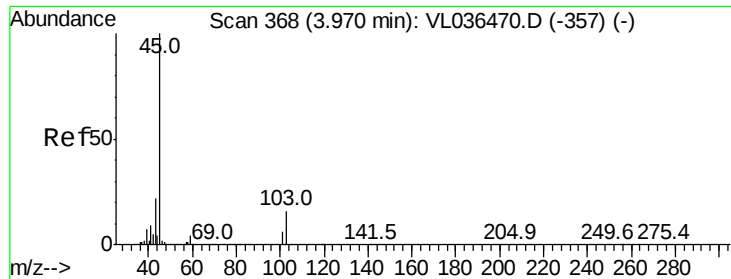
Tgt Ion: 43 Resp: 418910

Ion Ratio Lower Upper

43 100

58 29.3 21.2 31.8





#19

Isopropyl Alcohol

Concen: 0.314 ppbv m

RT: 3.98 min Scan# 371

Delta R.T. 0.01 min

Lab File: VL036763.D

Acq: 8 Apr 2021 23:48

Instrument :

MSVOA_L

ClientSampleId :

SG-4DL2

Tot Ion: 45 Resp: 24048

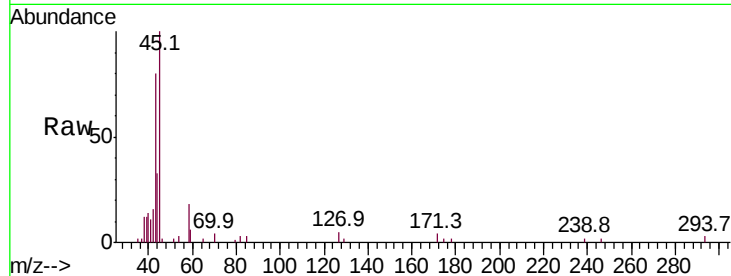
Ion Ratio Lower Upper

45 100

58 510.3 2.9 4.3#

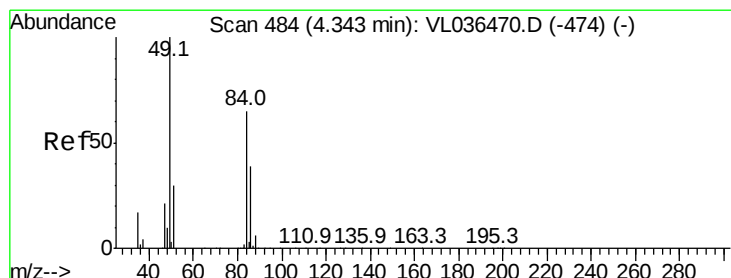
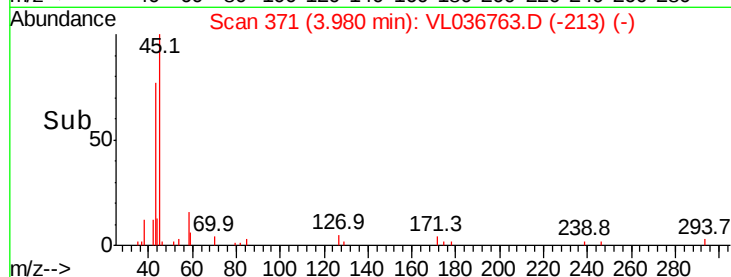
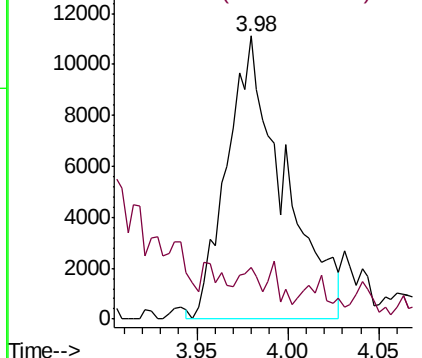
Manual Integrations
APPROVED

MMDadoda
4/12/2021 11:47:41 AM



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.178 ppbv m

RT: 4.33 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL036763.D

Acq: 8 Apr 2021 23:48

Tgt Ion: 84 Resp: 11623

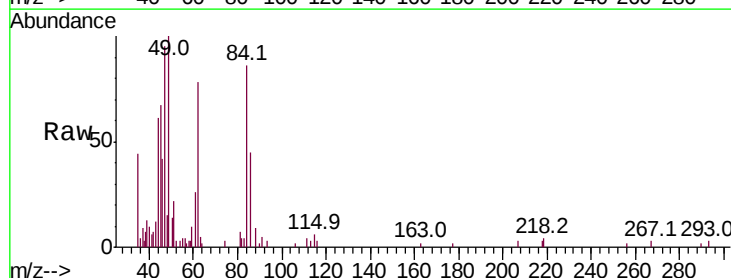
Ion Ratio Lower Upper

84 100

49 116.4 122.9 184.3#

51 26.2 36.9 55.3#

86 51.8 48.2 72.4

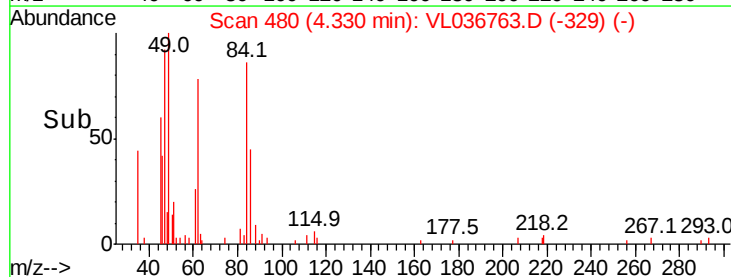
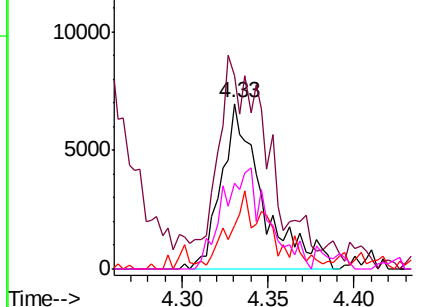


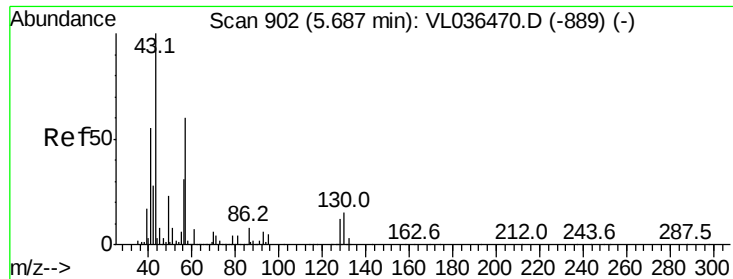
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





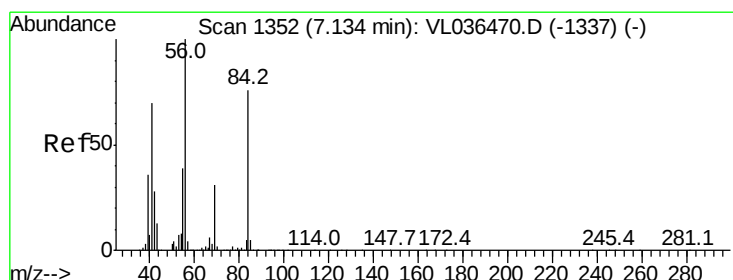
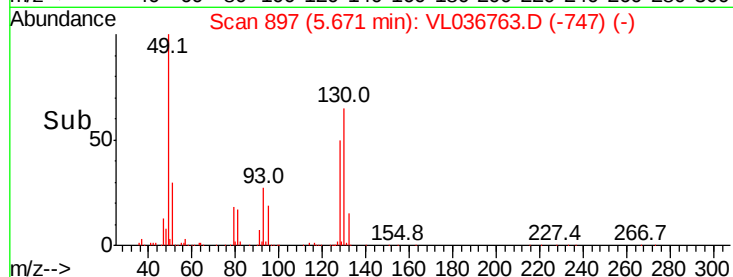
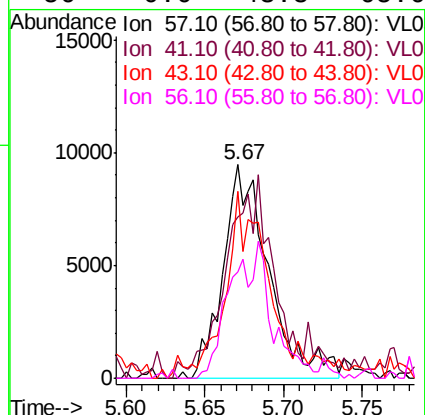
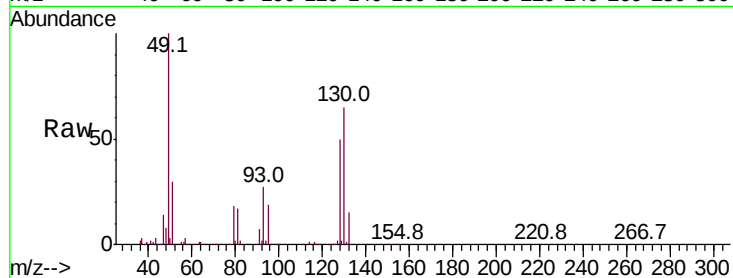
#26
Hexane
Concen: 0.123 ppbv m
RT: 5.67 min Scan# 897
Delta R.T. -0.02 min
Lab File: VL036763.D
Acq: 8 Apr 2021 23:48

Instrument :
MSVOA_L
ClientSampled :
SG-4DL2

Tot Ion	Ratio	Lower	Upper
57	100		
41	0.0	77.2	115.8#
43	87.5	173.8	260.6#
56	0.0	43.8	65.6#

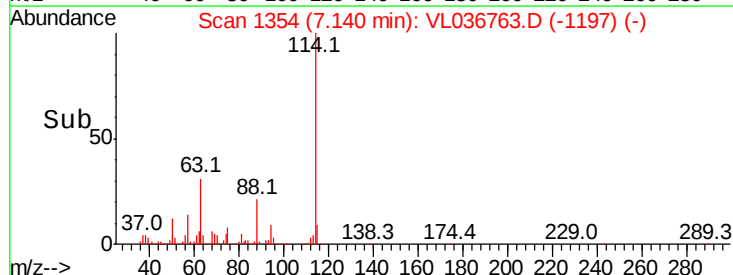
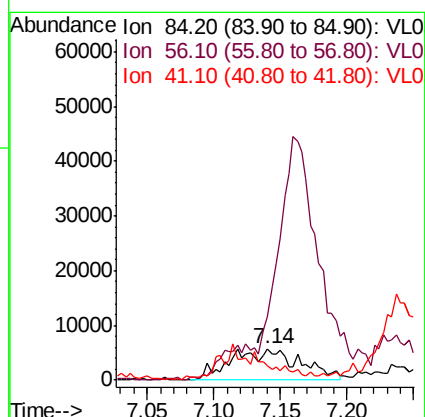
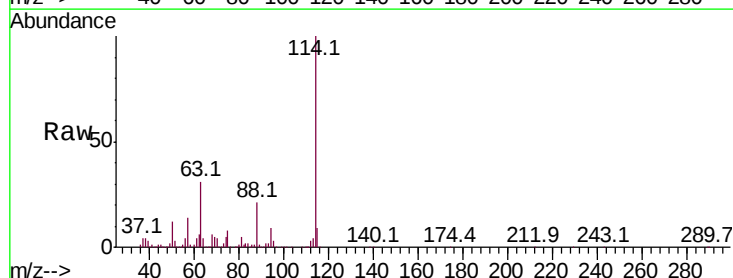
Manual Integrations
APPROVED

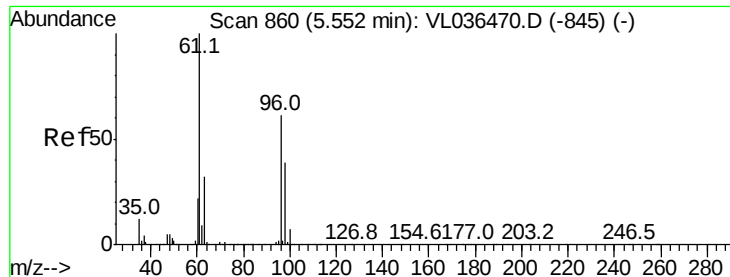
MMDadoda
4/12/2021 11:47:41 AM



#30
Cyclohexane
Concen: 0.163 ppbv m
RT: 7.14 min Scan# 1354
Delta R.T. 0.01 min
Lab File: VL036763.D
Acq: 8 Apr 2021 23:48

Tgt Ion	Ratio	Lower	Upper
84	100		
56	0.0	114.6	171.8#
41	65.8	75.3	112.9#





#31

cis-1,2-Dichloroethene

Concen: 0.308 ppbv

RT: 5.54 min Scan# 857

Delta R.T. -0.01 min

Lab File: VL036763.D

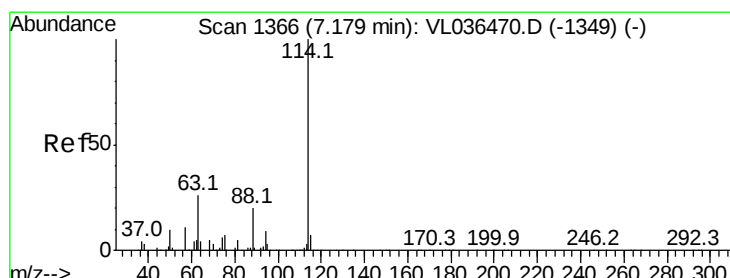
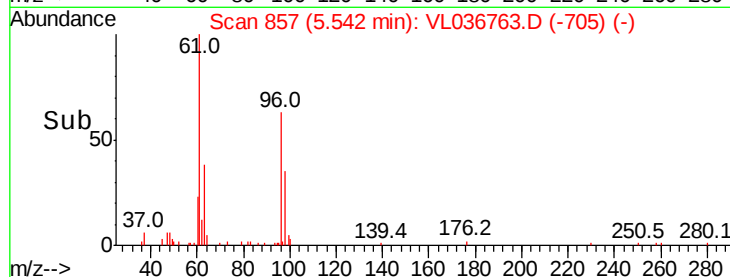
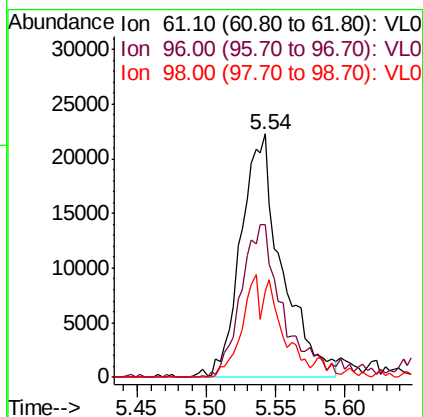
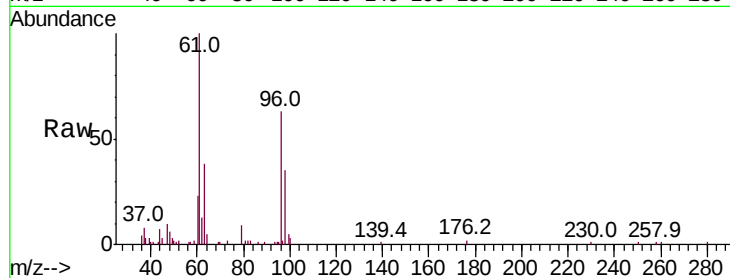
Acq: 8 Apr 2021 23:48

Instrument :
MSVOA_L
ClientSampleId :
SG-4DL2

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.9	48.7	73.1
98	35.2	31.4	47.0

Manual Integrations
APPROVED

MMDadoda
4/12/2021 11:47:41 AM



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

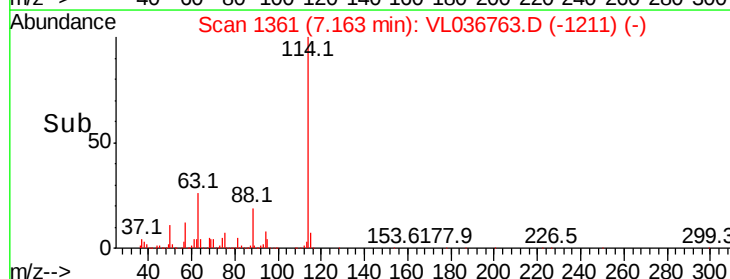
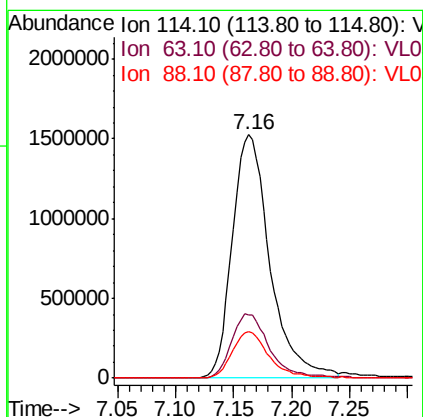
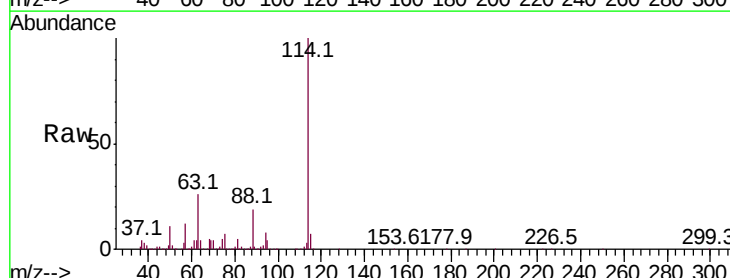
RT: 7.16 min Scan# 1361

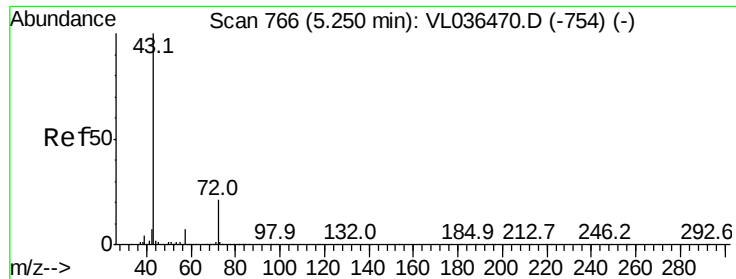
Delta R.T. -0.02 min

Lab File: VL036763.D

Acq: 8 Apr 2021 23:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.9	22.4	33.6
88	19.0	15.4	23.0





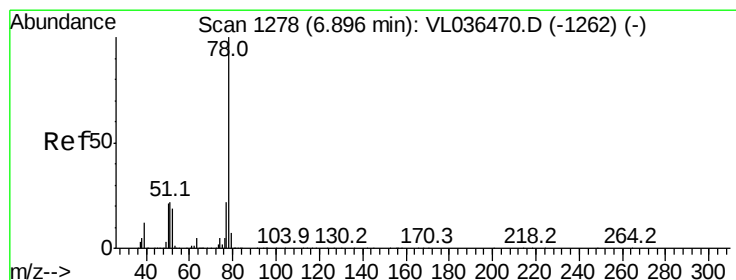
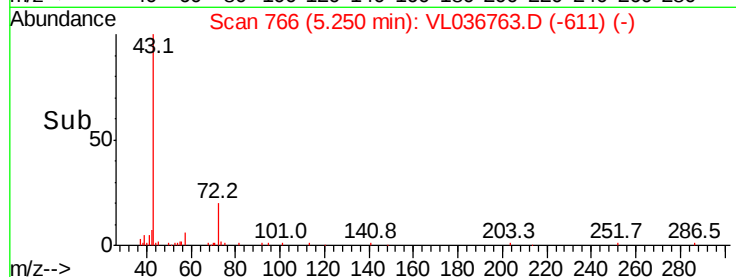
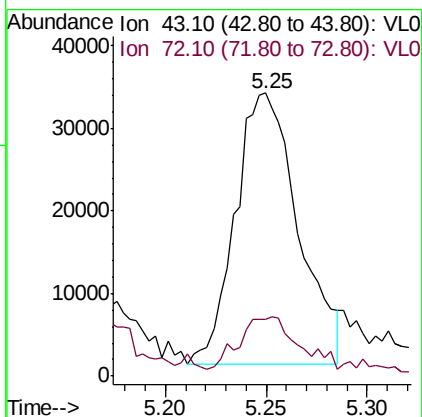
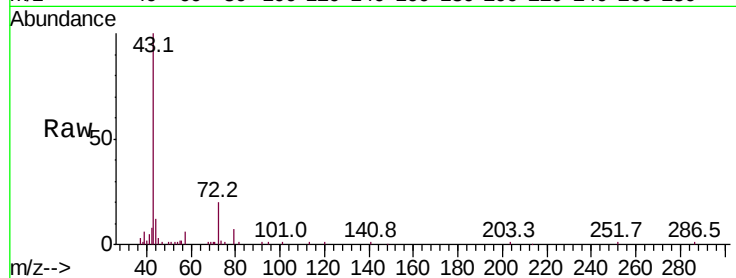
#34
2-Butanone
Concen: 0.424 ppbv
RT: 5.25 min Scan# 766
Delta R.T. -0.00 min
Lab File: VL036763.D
Acq: 8 Apr 2021 23:48

Instrument :
MSVOA_L
ClientSampleId :
SG-4DL2

Tot Ion: 43 Resp: 71480
Ion Ratio Lower Upper
43 100
72 30.8 17.0 25.6#

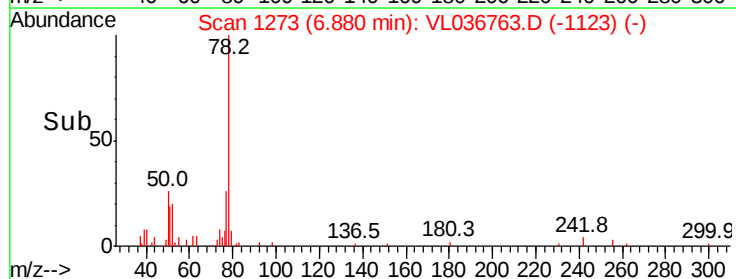
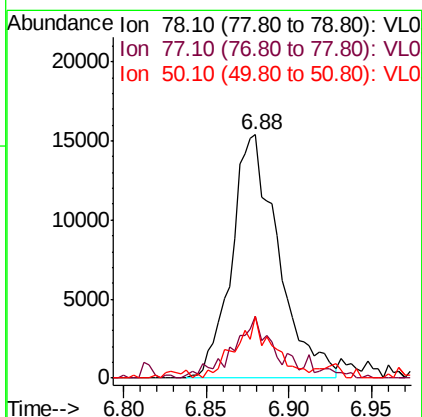
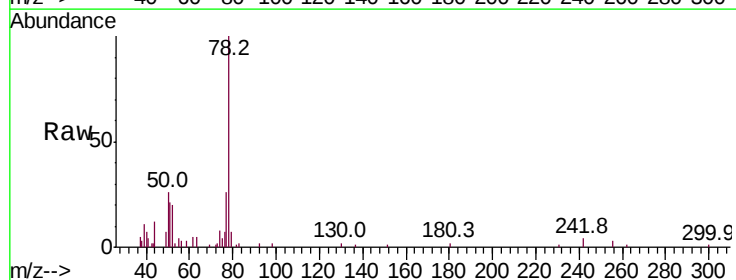
Manual Integrations
APPROVED

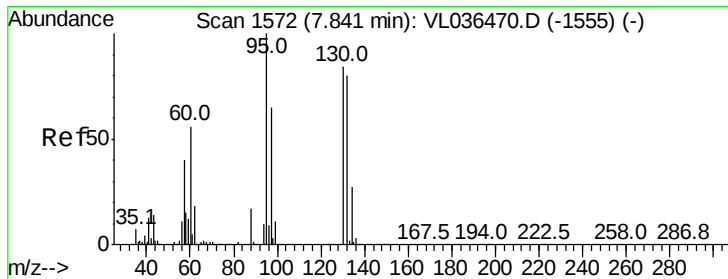
MMDadoda
4/12/2021 11:47:41 AM



#36
Benzene
Concen: 0.095 ppbv m
RT: 6.88 min Scan# 1273
Delta R.T. -0.02 min
Lab File: VL036763.D
Acq: 8 Apr 2021 23:48

Tgt Ion: 78 Resp: 30291
Ion Ratio Lower Upper
78 100
77 25.5 18.0 27.0
50 25.6 16.5 24.7#





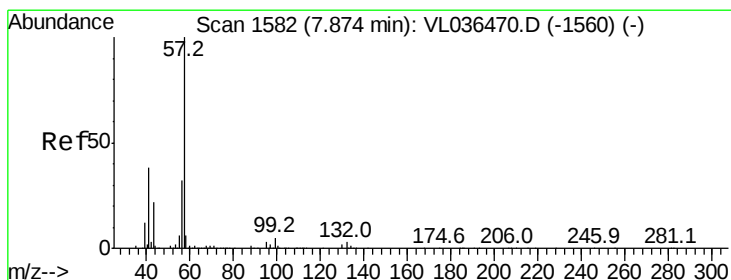
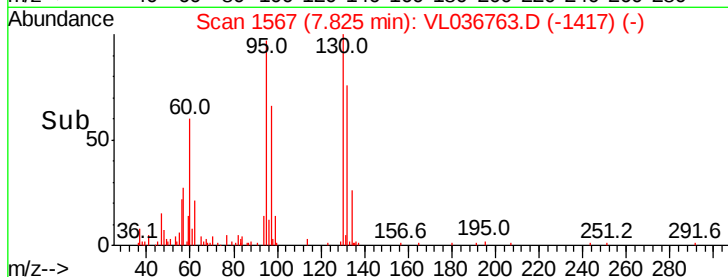
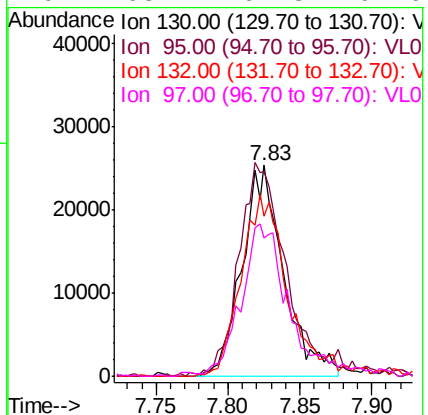
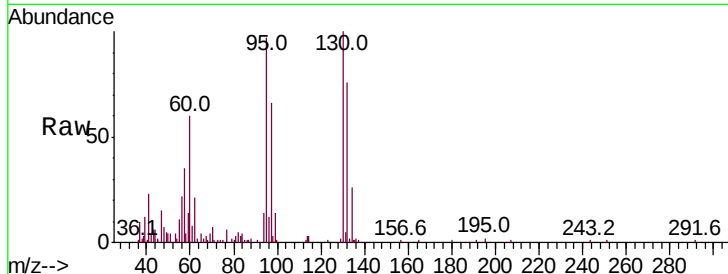
#38
 Trichloroethene
 Concen: 0.411 ppbv m
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VL036763.D
 Acq: 8 Apr 2021 23:48

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4DL2

Tot Ion	Ratio	Lower	Upper
130	100		
95	96.8	95.7	143.5
132	75.5	76.2	114.4#
97	65.7	61.8	92.6

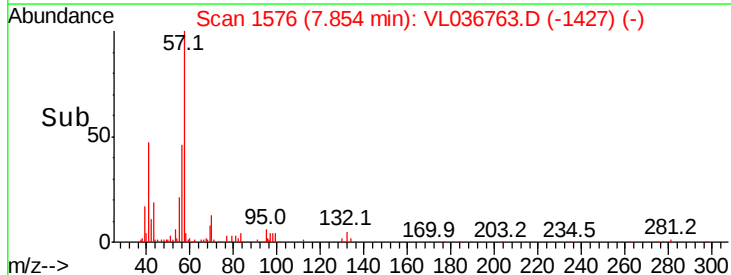
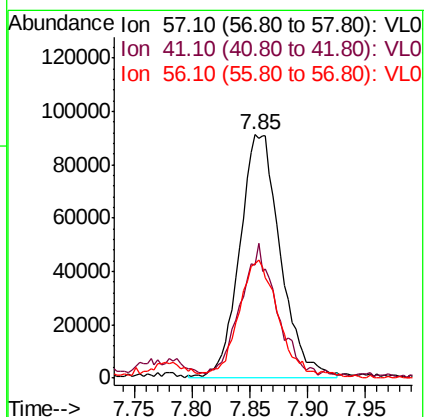
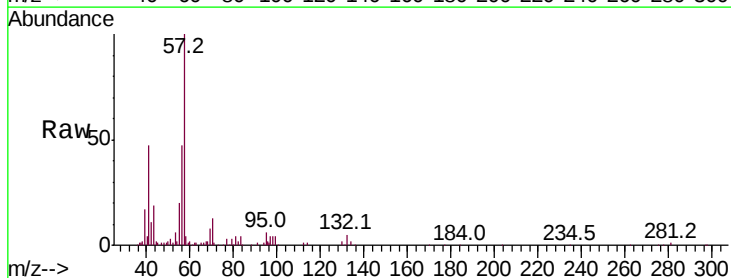
Manual Integrations
 APPROVED

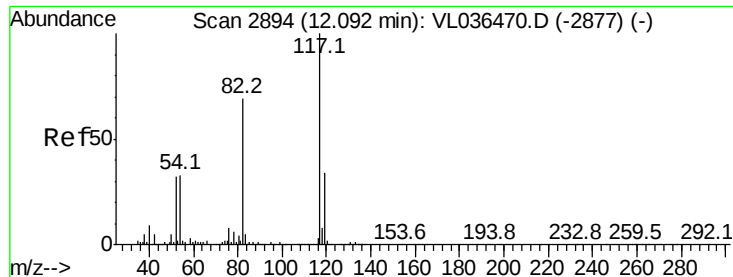
MMDadoda
 4/12/2021 11:47:41 AM



#44
 2,2,4-Trimethylpentane
 Concen: 0.401 ppbv m
 RT: 7.85 min Scan# 1576
 Delta R.T. -0.02 min
 Lab File: VL036763.D
 Acq: 8 Apr 2021 23:48

Tgt Ion	Ratio	Lower	Upper
57	100		
41	49.5	28.8	43.2#
56	48.8	26.1	39.1#





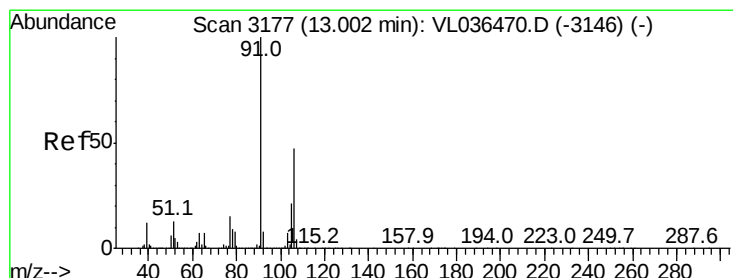
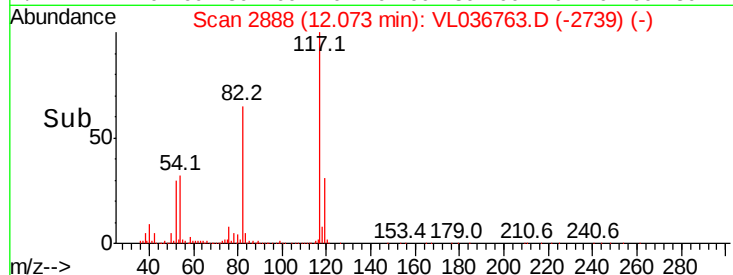
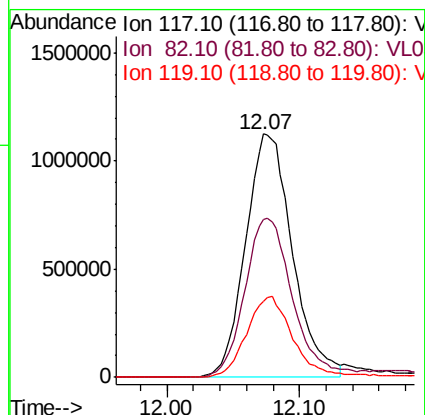
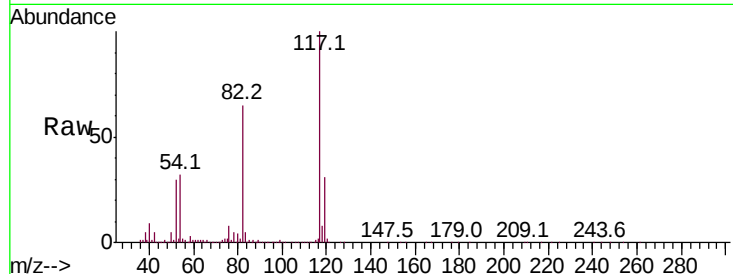
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.02 min
Lab File: VL036763.D
Acq: 8 Apr 2021 23:48

Instrument :
MSVOA_L
ClientSampled :
SG-4DL2

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.2	57.4	86.0
119	34.1	47.4	71.0#

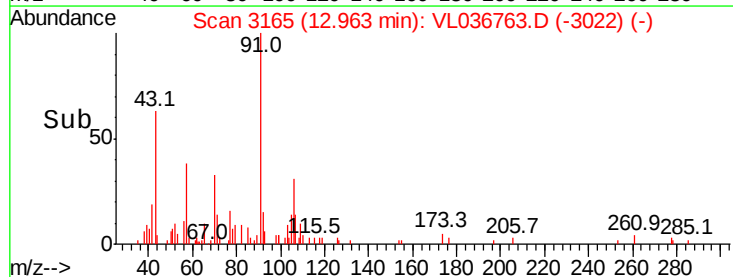
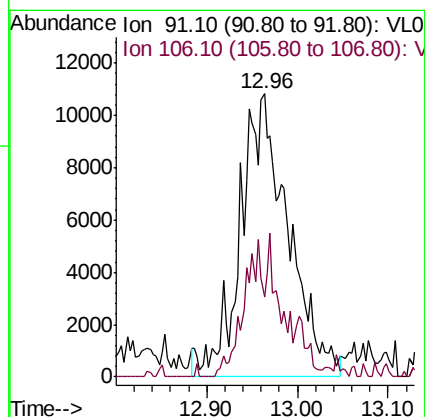
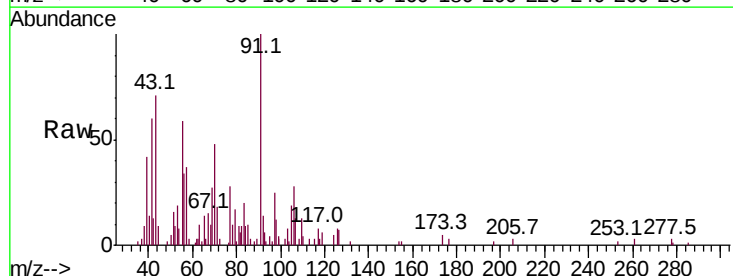
Manual Integrations
APPROVED

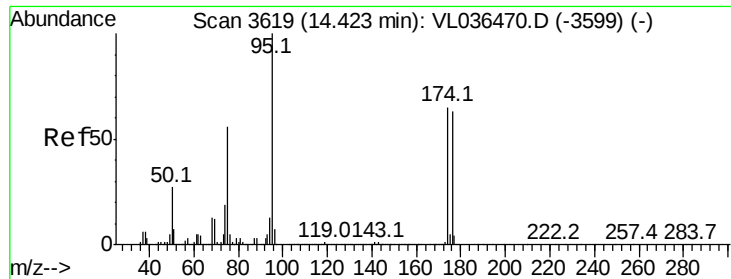
MMDadoda
4/12/2021 11:47:41 AM



#59
m/p-Xylene
Concen: 0.113 ppbv m
RT: 12.96 min Scan# 3165
Delta R.T. -0.04 min
Lab File: VL036763.D
Acq: 8 Apr 2021 23:48

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.3	52.9#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.912 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. -0.01 min
 Lab File: VL036763.D
 Acq: 8 Apr 2021 23:48

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4DL2

Tot Ion: 95 Resp: 1742819
 Ion Ratio Lower Upper
 95 100
 174 70.3 51.0 76.6
 175 5.2 3.9 5.9

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:47:41 AM

