

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
 Data File : VL036613.D
 Acq On : 31 Mar 2021 22:40
 Operator : SY/AP
 Sample : M1807-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG2

Manual Integrations
 APPROVED

MMDadoda
 4/2/2021 6:53:31 PM

Quant Time: Apr 02 15:35:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 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	5.68	49	1447953	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3587209	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3193512	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2747459	10.79	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	35970	0.152	ppbv	89
3) Chlorodifluoromethane	2.99	51	142591	0.527	ppbv #	83
4) Chloromethane	3.14	50	58715	0.614	ppbv #	86
9) Propene	3.01	41	288455	3.345	ppbv	85
10) Heptane	8.13	43	594745	2.707	ppbv	99
11) Trichlorofluoromethane	3.96	101	56754	0.236	ppbv	84
13) Ethanol	3.61	45	1235751	120.324	ppbv	92
15) Acetone	3.85	43	7923876	55.601	ppbv	94
17) tert-Butyl alcohol	4.30	59	892048	7.190	ppbv	99
19) Isopropyl Alcohol	3.98	45	2157001	27.514	ppbv #	1
20) Methylene Chloride	4.35	84	116068	1.740	ppbv	83
26) Hexane	5.70	57	463209	2.946	ppbv #	50
27) Carbon Disulfide	4.56	76	585059	3.777	ppbv	98
29) Chloroform	5.76	83	797510	3.172	ppbv	94
30) Cyclohexane	7.14	84	124485	0.976	ppbv	87
34) 2-Butanone	5.25	43	760242	4.342	ppbv	94
35) Carbon Tetrachloride	7.04	117	17145m	0.062	ppbv	
36) Benzene	6.90	78	706330	2.135	ppbv #	93
38) Trichloroethene	7.85	130	5522m	0.043	ppbv	
40) 1,4-Dioxane	7.85	88	20114m	0.644	ppbv	
41) Tetrahydrofuran	6.06	42	54446m	0.674	ppbv	
43) Methyl Methacrylate	8.02	69	24062m	0.217	ppbv	
44) 2,2,4-Trimethylpentane	7.88	57	539966	0.927	ppbv #	45
50) 4-Methyl-2-Pentanone	8.76	43	372177	1.469	ppbv	99
51) 2-Hexanone	10.13	43	172799m	1.351	ppbv	
52) Tetrachloroethene	11.23	164	10327m	0.085	ppbv	
53) Toluene	9.82	91	2301167	6.532	ppbv	99
58) Ethyl Benzene	12.73	91	461532	0.993	ppbv	97
59) m/p-Xylene	12.99	91	1140939m	2.815	ppbv	
60) o-Xylene	13.71	91	399290	1.019	ppbv	99
61) Styrene	13.55	104	659502	3.346	ppbv	98
62) Isopropylbenzene	14.69	105	11037045	20.917	ppbv	94
64) n-propylbenzene	15.58	120	29063m	0.225	ppbv	
69) p-Isopropyltoluene	17.68	119	181501m	0.360	ppbv	
73) 1,3,5-Trimethylbenzene	16.02	105	90150	0.225	ppbv #	86
74) 1,2,4-Trimethylbenzene	16.78	105	320969	0.748	ppbv #	66

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

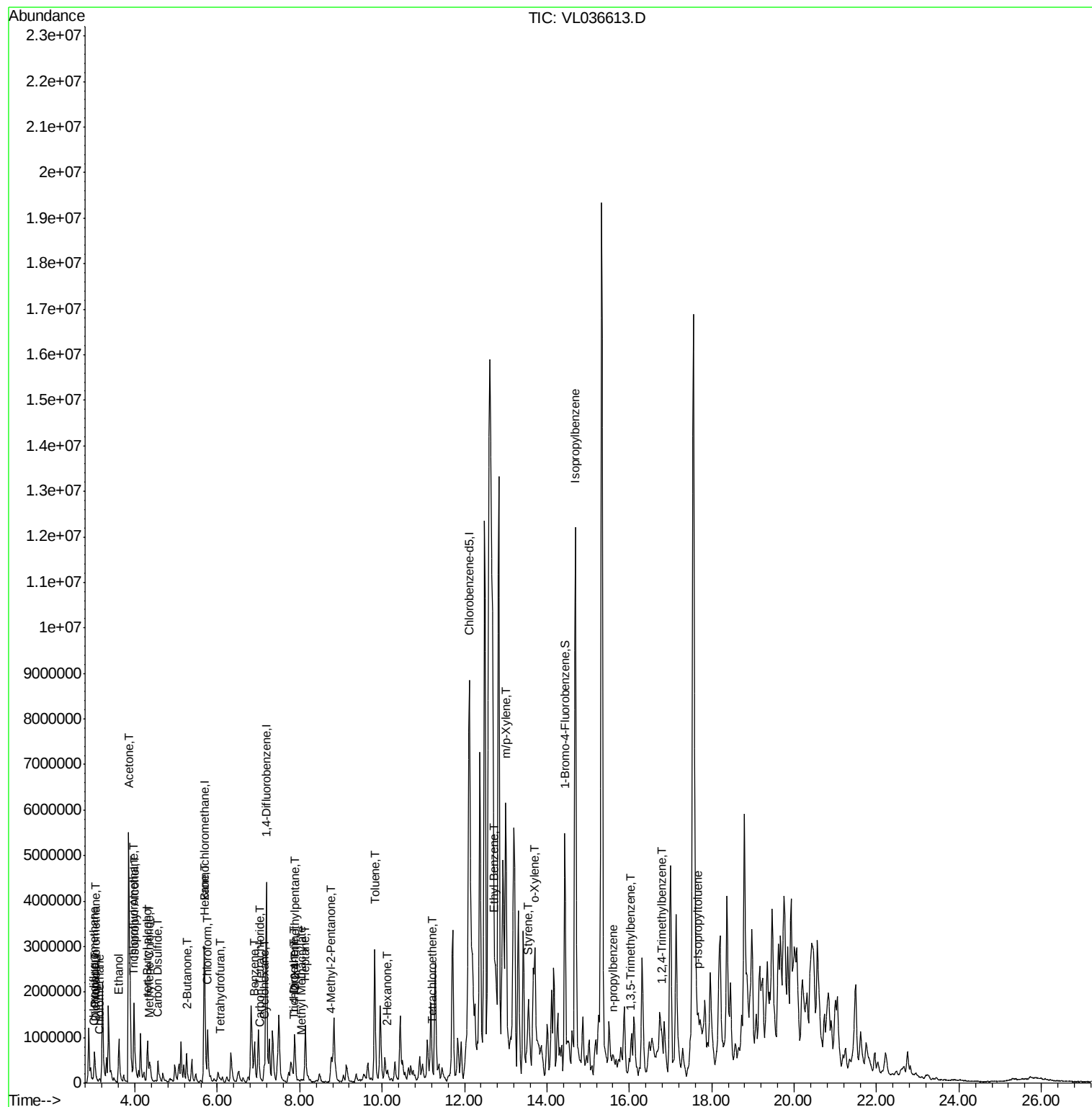
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL033121\
Data File : VL036613.D
Acq On : 31 Mar 2021 22:40
Operator : SY/AP
Sample : M1807-02
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG2

Manual Integrations
APPROVED

MMDadoda
4/2/2021 6:53:31 PM

Quant Time: Apr 02 15:35:11 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: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Instrument :

MSVOA_L

ClientSampled :

SG2

Tot Ion: 49 Resp: 1447953

Ion Ratio Lower Upper

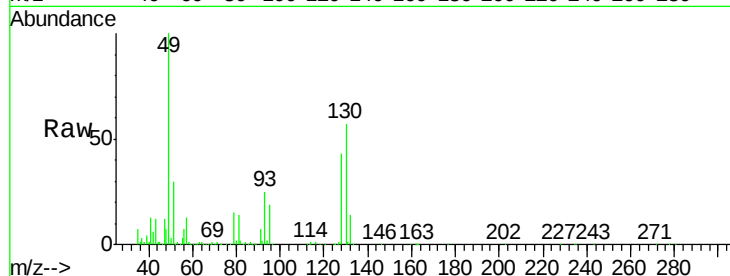
49 100

128 45.9 23.5 70.6

130 58.3 29.1 87.4

Manual Integrations
APPROVED

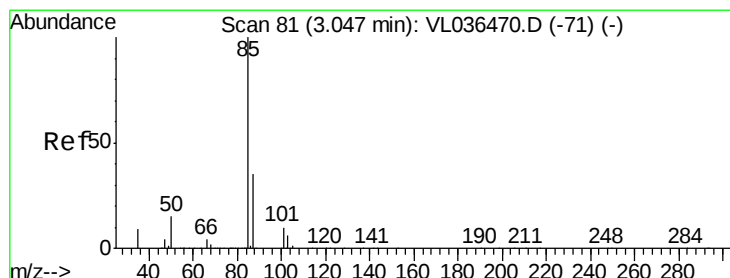
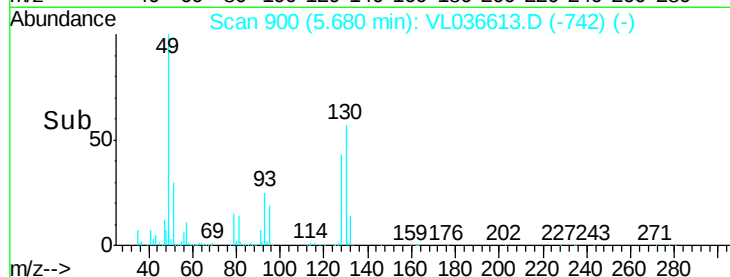
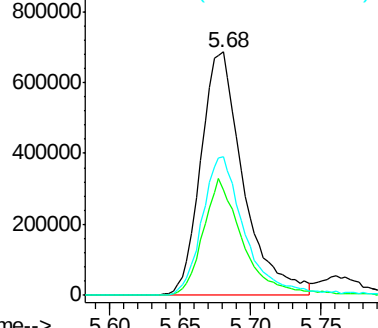
MMDadoda
4/2/2021 6:53:31 PM



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



#2

Dichlorodifluoromethane

Concen: 0.152 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL036613.D

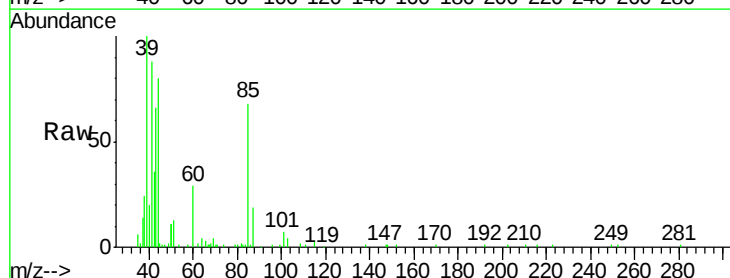
Acq: 31 Mar 2021 22:40

Tgt Ion: 85 Resp: 35970

Ion Ratio Lower Upper

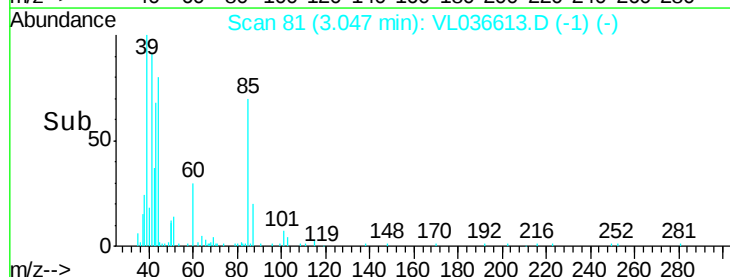
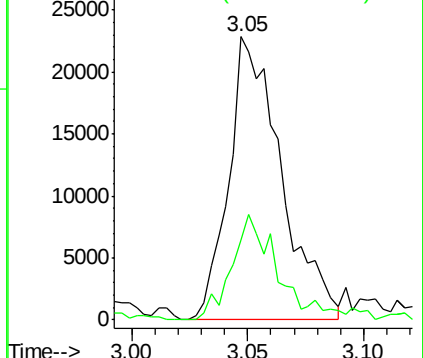
85 100

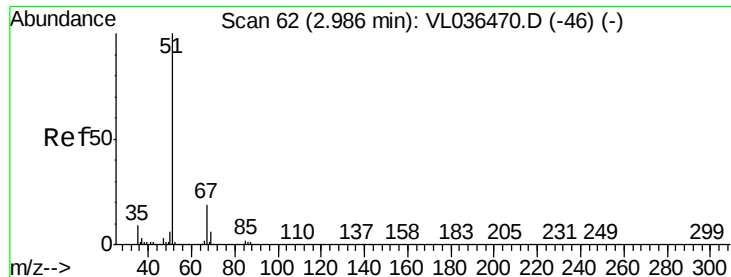
87 28.2 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





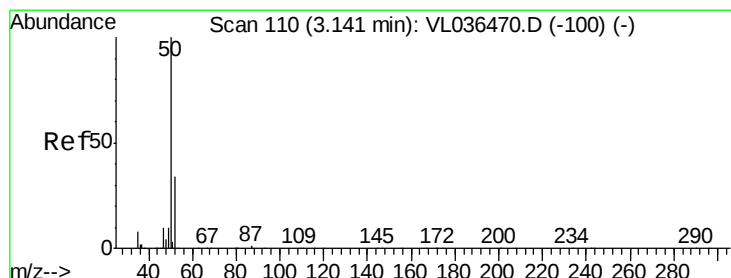
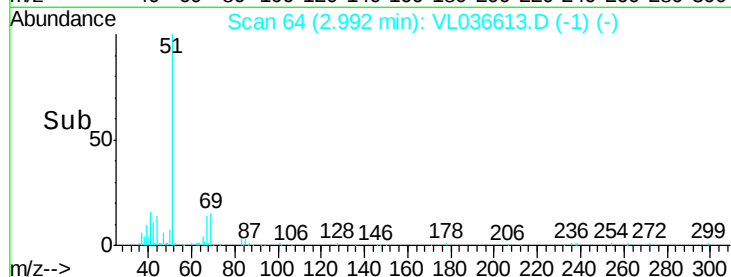
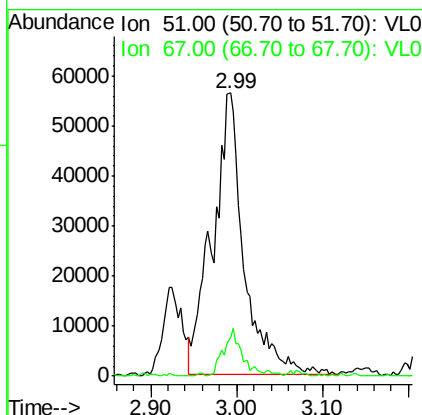
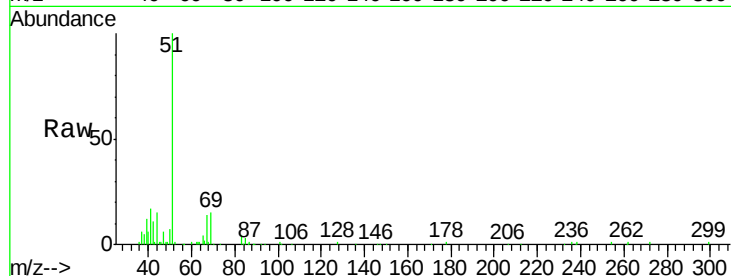
#3
Chlorodifluoromethane
Concen: 0.527 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.01 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Instrument :
MSVOA_L
ClientSampled :
SG2

Tot Ion	Ratio	Lower	Upper
51	100		
67	11.0	14.7	22.1#

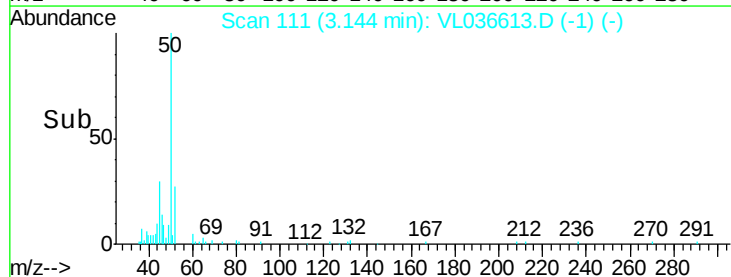
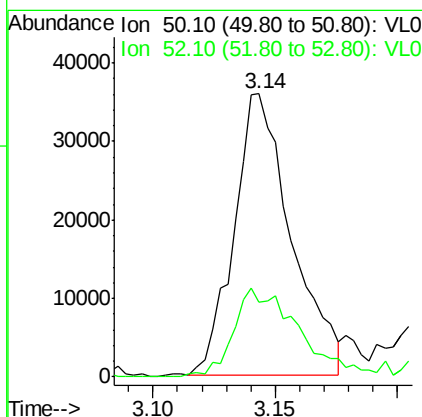
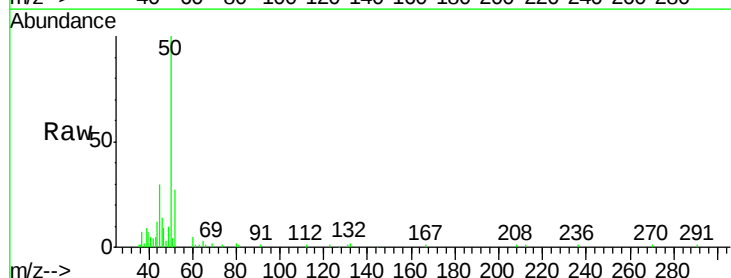
Manual Integrations
APPROVED

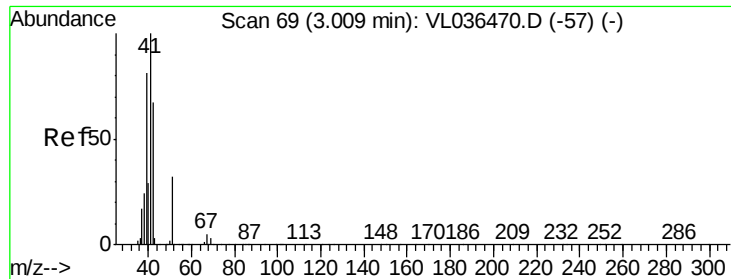
MMDadoda
4/2/2021 6:53:31 PM



#4
Chloromethane
Concen: 0.614 ppbv
RT: 3.14 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Tgt Ion	Ratio	Lower	Upper
50	100		
52	25.6	27.0	40.6#





#9

Propene

Concen: 3.345 ppbv

RT: 3.01 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Instrument :

MSVOA_L

ClientSampleId :

SG2

Tot Ion: 41 Resp: 288455

Ion Ratio Lower Upper

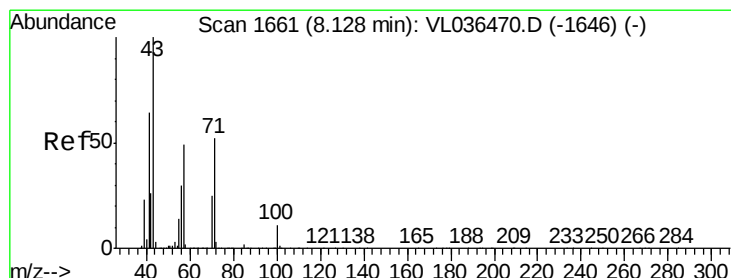
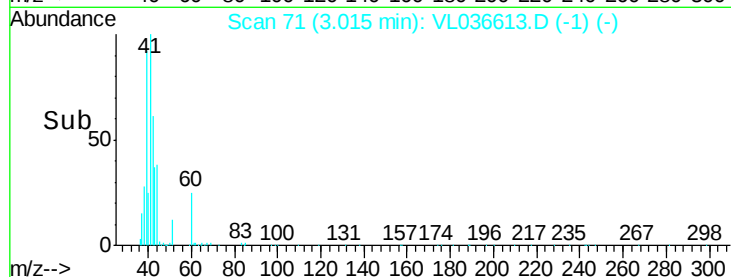
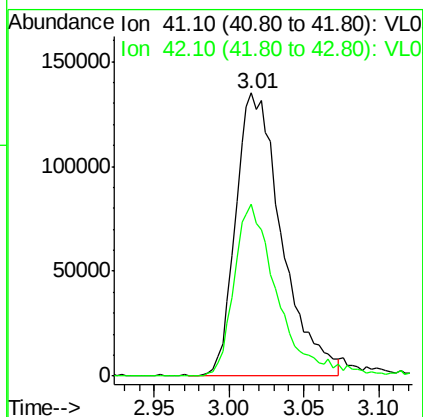
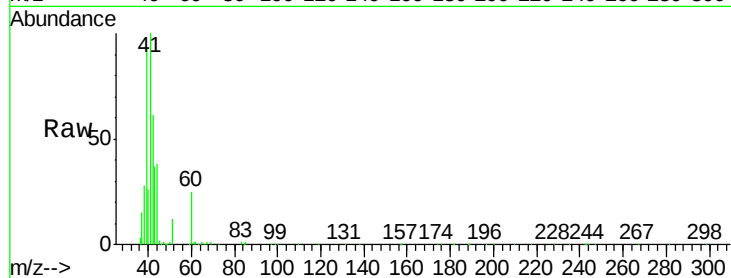
41 100

42 58.5 57.0 85.4

Manual Integrations
APPROVED

MMDadoda

4/2/2021 6:53:31 PM



#10

Heptane

Concen: 2.707 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.01 min

Lab File: VL036613.D

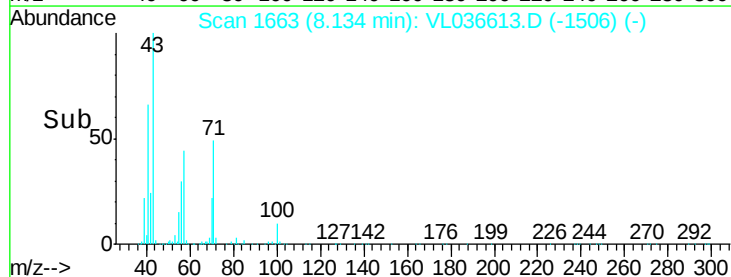
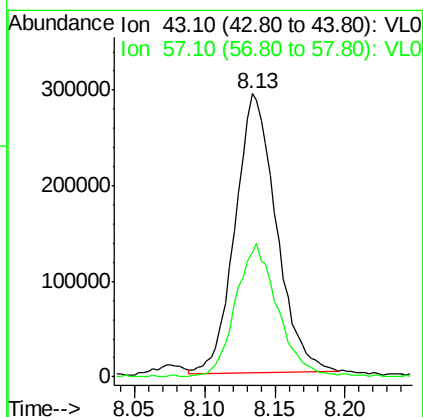
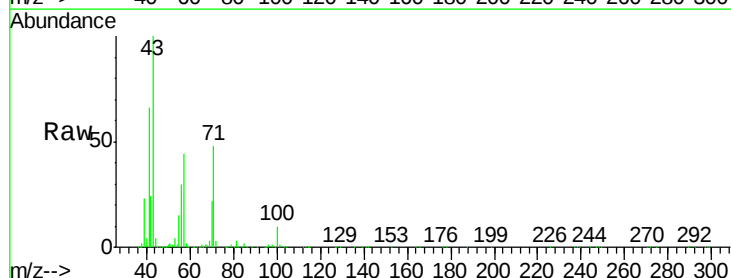
Acq: 31 Mar 2021 22:40

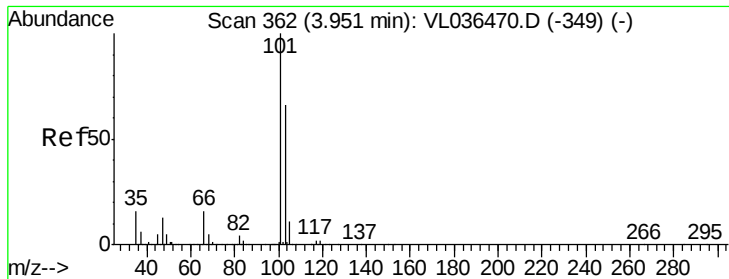
Tgt Ion: 43 Resp: 594745

Ion Ratio Lower Upper

43 100

57 48.3 39.0 58.6





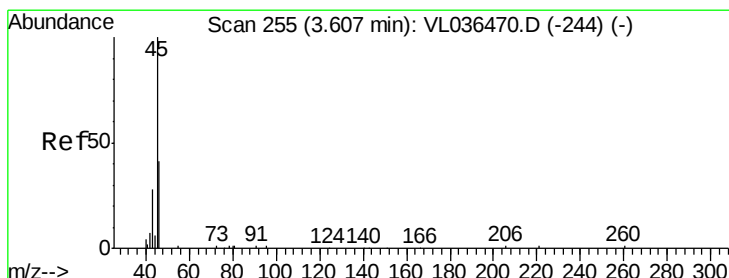
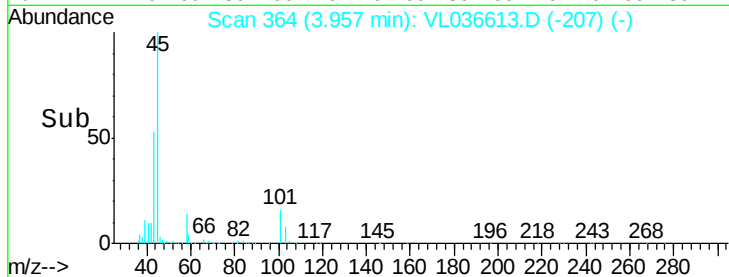
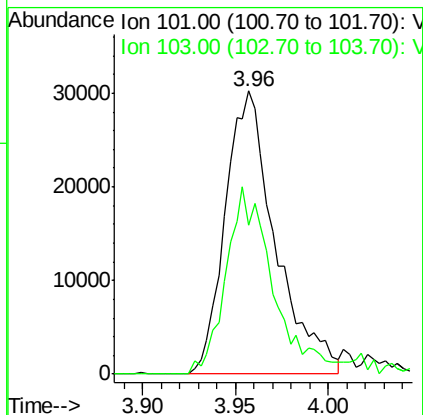
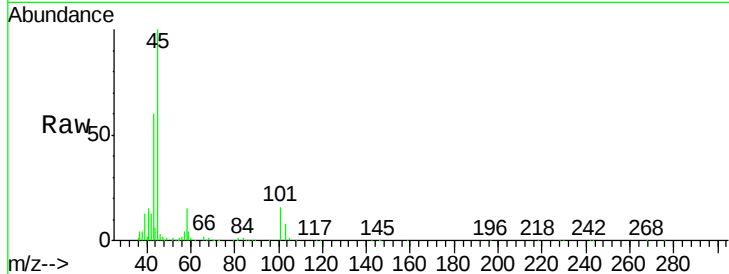
#11
Trichlorofluoromethane
Concen: 0.236 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Instrument :
MSVOA_L
ClientSampleId :
SG2

Tot Ion	Ion	Ratio	Lower	Upper
101	101	100		
103	103	52.7	52.5	78.7

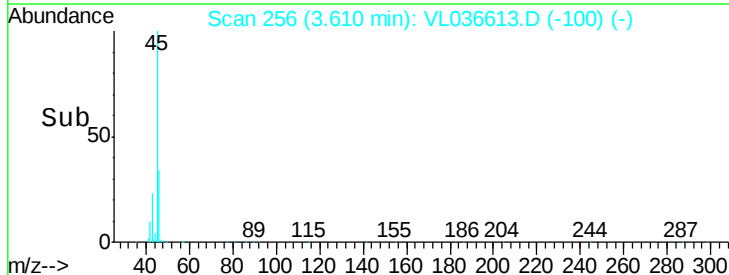
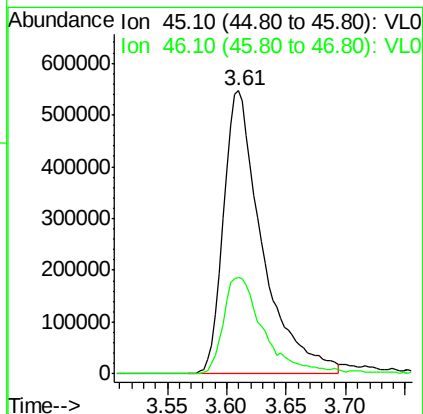
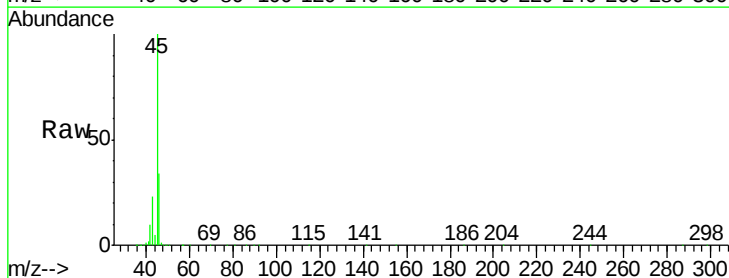
Manual Integrations
APPROVED

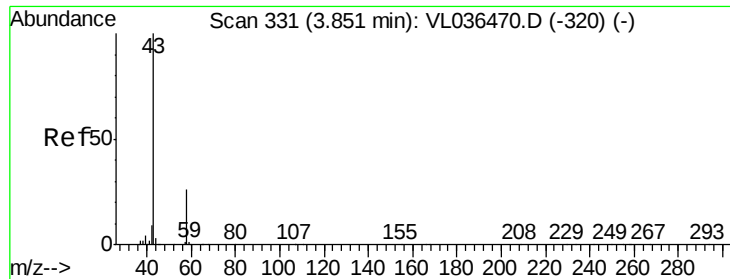
MMDadoda
4/2/2021 6:53:31 PM



#13
Ethanol
Concen: 120.324 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.00 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Tgt Ion	Ion	Ratio	Lower	Upper
45	45	100		
46	46	36.3	16.6	66.2





#15

Acetone

Concen: 55.601 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Instrument :

MSVOA_L

ClientSampleId :

SG2

Tot Ion: 43 Resp: 7923876

Ion Ratio Lower Upper

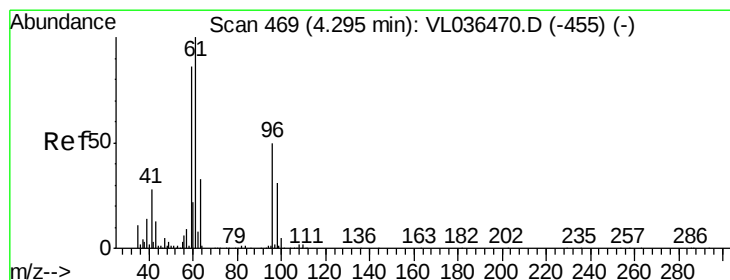
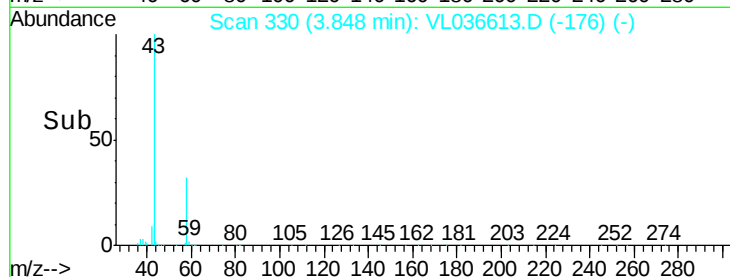
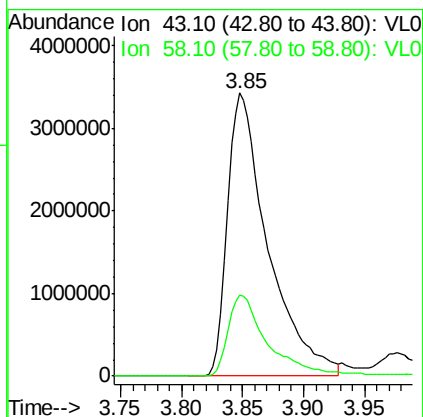
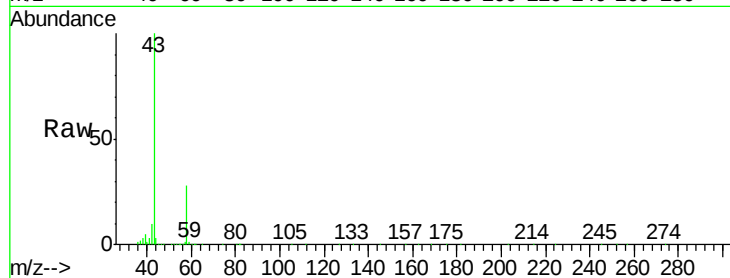
43 100

58 29.4 21.2 31.8

Manual Integrations
APPROVED

MMDadoda

4/2/2021 6:53:31 PM



#17

tert-Butyl alcohol

Concen: 7.190 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.01 min

Lab File: VL036613.D

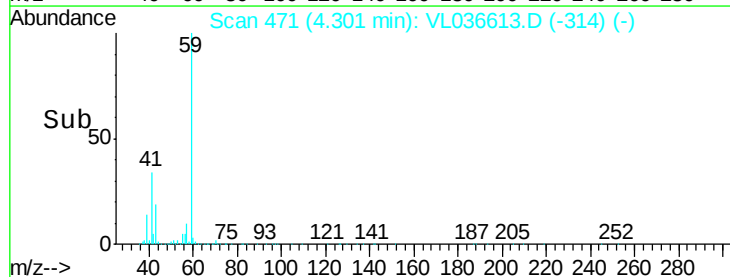
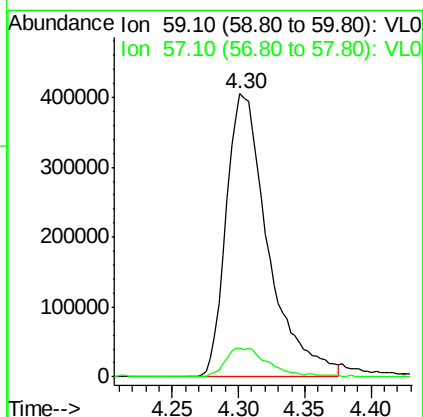
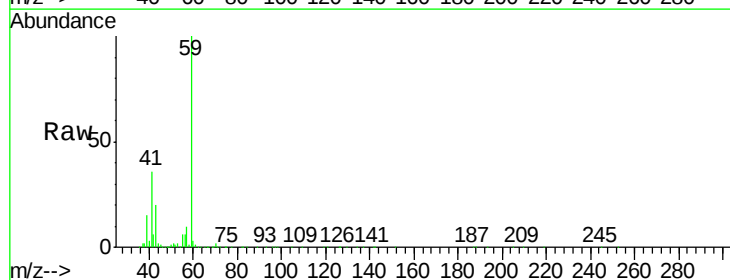
Acq: 31 Mar 2021 22:40

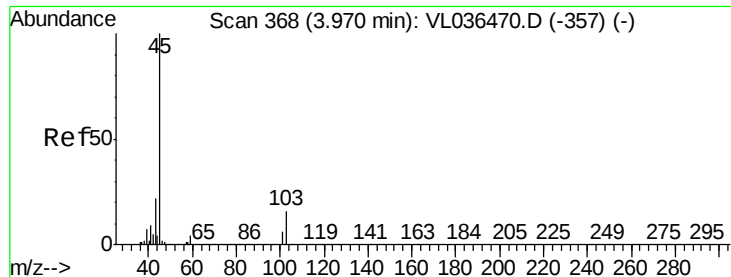
Tgt Ion: 59 Resp: 892048

Ion Ratio Lower Upper

59 100

57 10.4 8.6 12.8





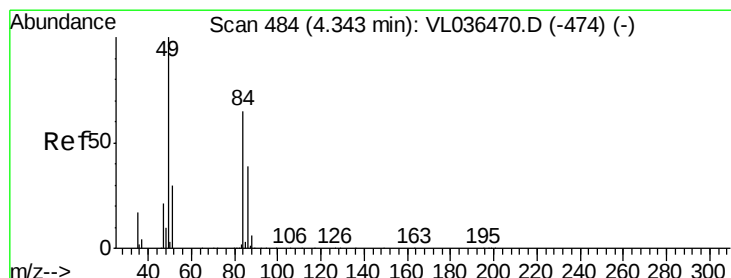
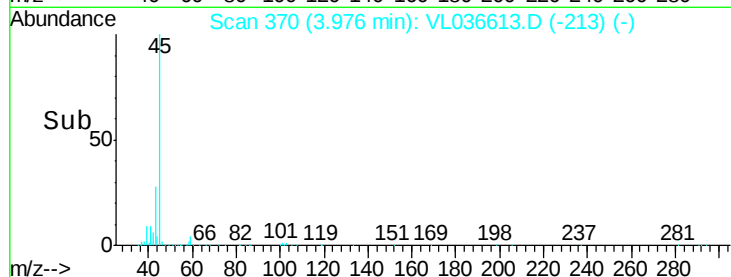
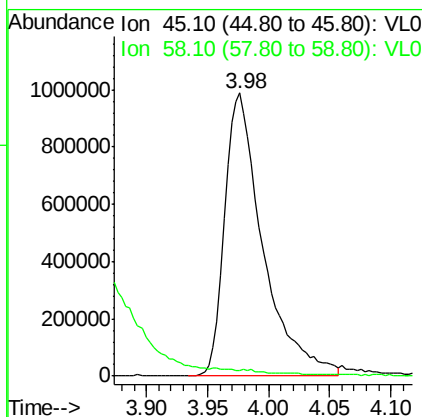
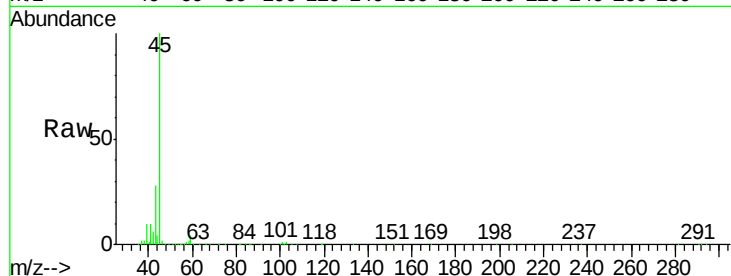
#19
Isopropyl Alcohol
Concen: 27.514 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.01 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Instrument :
MSVOA_L
ClientSampled :
SG2

Tot Ion: 45 Resp: 2157001
Ion Ratio Lower Upper
45 100
58 108.2 2.9 4.3#

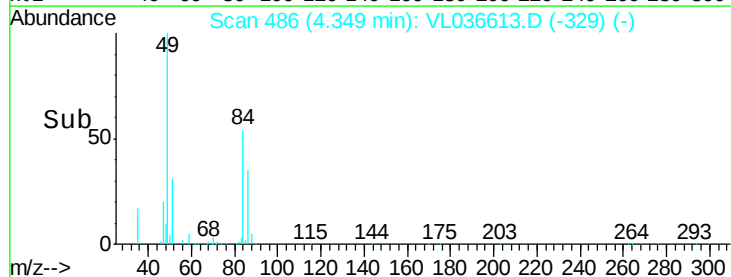
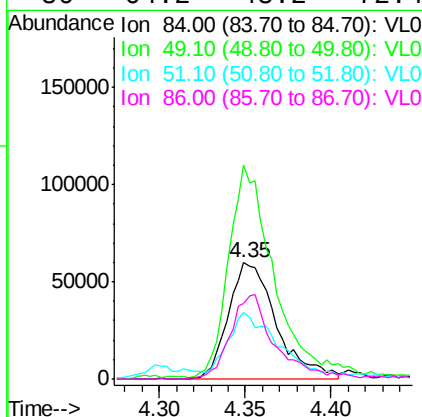
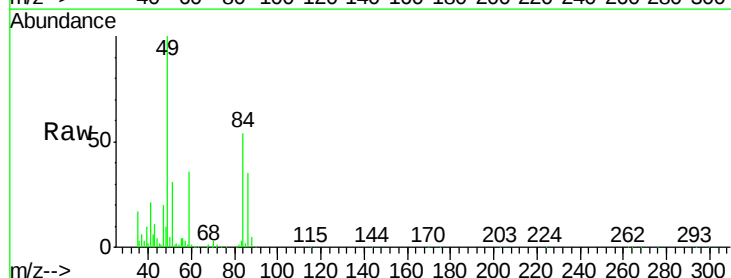
Manual Integrations
APPROVED

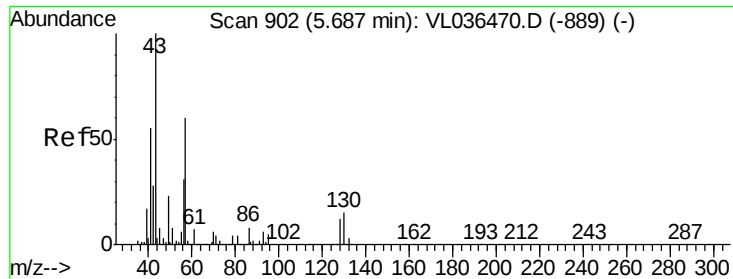
MMDadoda
4/2/2021 6:53:31 PM



#20
Methylene Chloride
Concen: 1.740 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Tgt Ion: 84 Resp: 116068
Ion Ratio Lower Upper
84 100
49 182.7 122.9 184.3
51 54.3 36.9 55.3
86 64.2 48.2 72.4





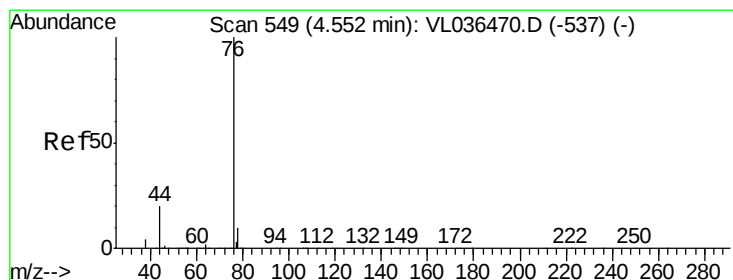
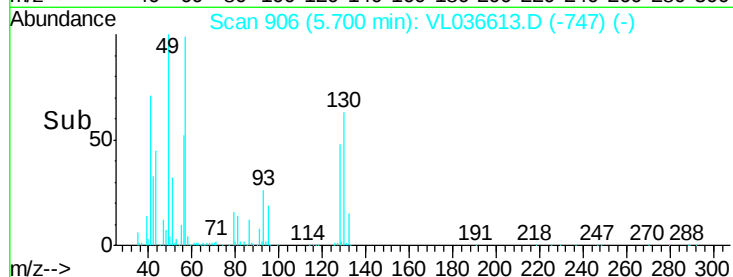
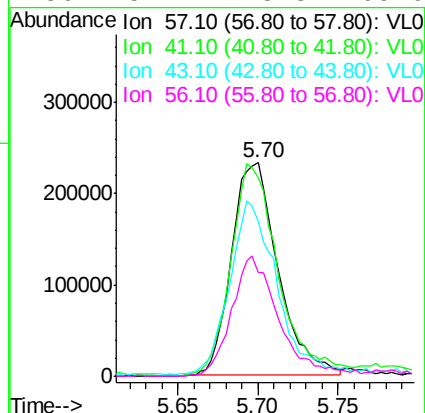
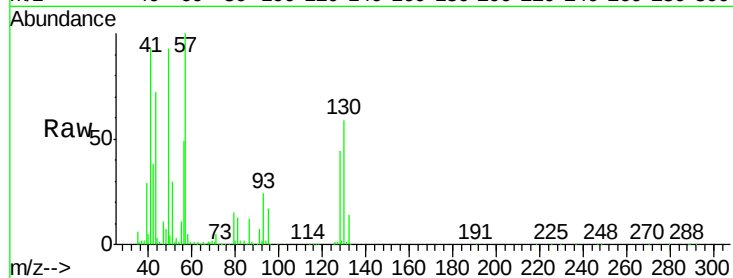
#26
Hexane
Concen: 2.946 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Instrument :
MSVOA_L
ClientSampled :
SG2

Tot Ion	57	Resp	463209
Ion	Ratio	Lower	Upper
57	100		
41	102.8	77.2	115.8
43	88.5	173.8	260.6#
56	57.1	43.8	65.6

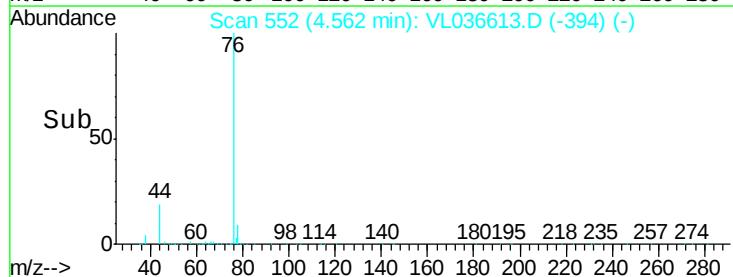
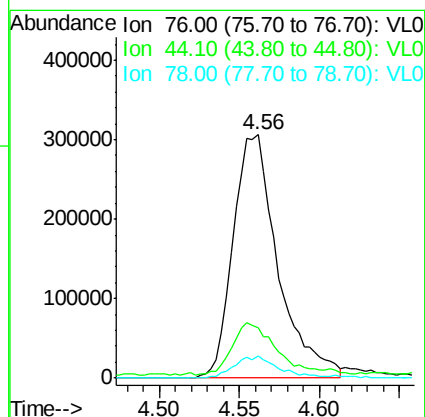
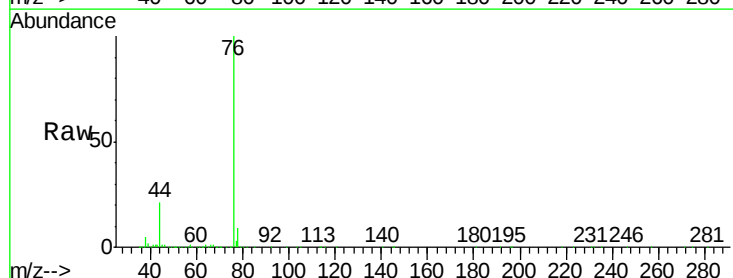
Manual Integrations
APPROVED

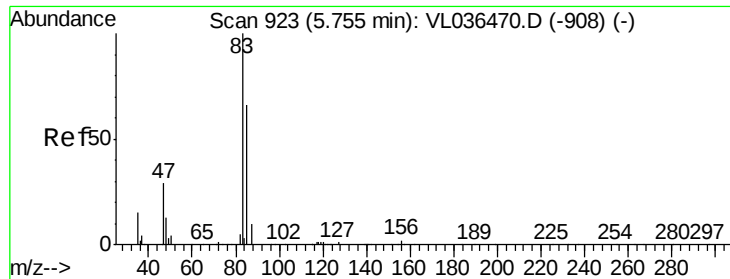
MMDadoda
4/2/2021 6:53:31 PM



#27
Carbon Disulfide
Concen: 3.777 ppbv
RT: 4.56 min Scan# 552
Delta R.T. 0.01 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Tgt Ion	76	Resp	585059
Ion	Ratio	Lower	Upper
76	100		
44	22.6	17.5	26.3
78	9.9	8.6	13.0





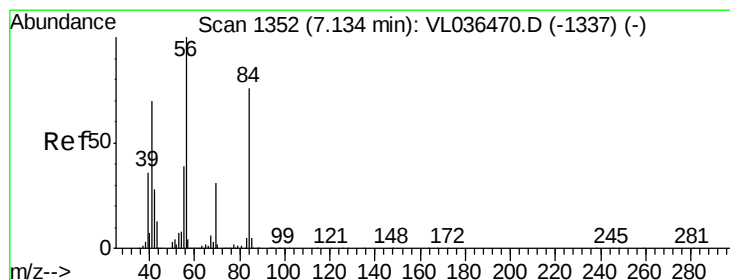
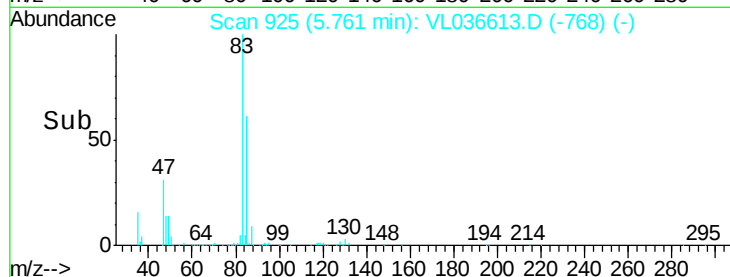
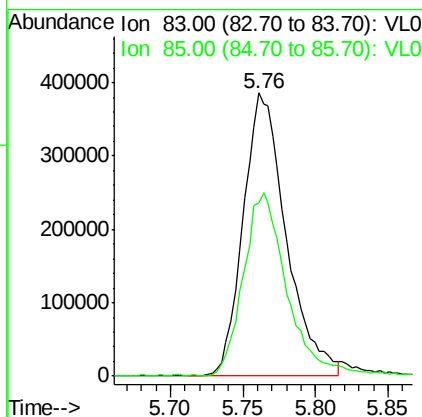
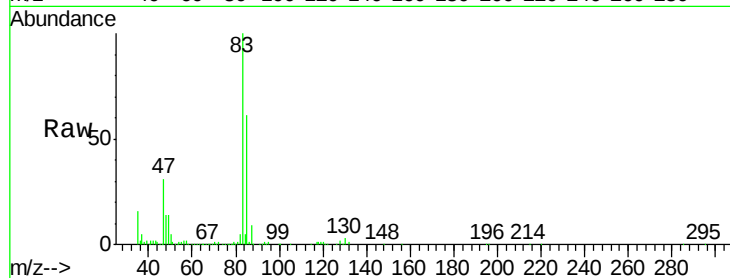
#29
Chloroform
Concen: 3.172 ppbv
RT: 5.76 min Scan# 925
Delta R.T. 0.01 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Instrument :
MSVOA_L
ClientSampleId :
SG2

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.2	52.6	78.8

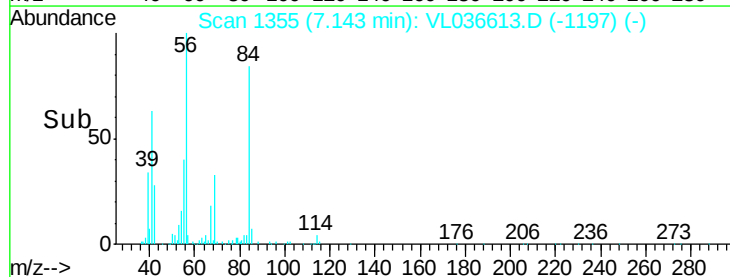
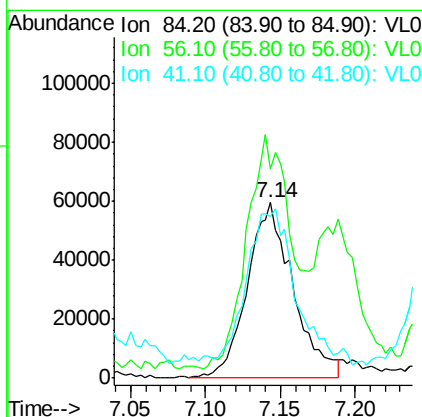
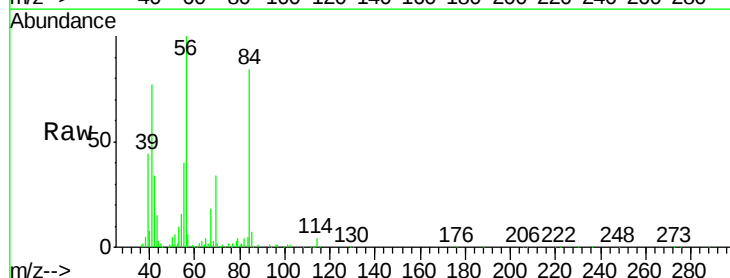
Manual Integrations
APPROVED

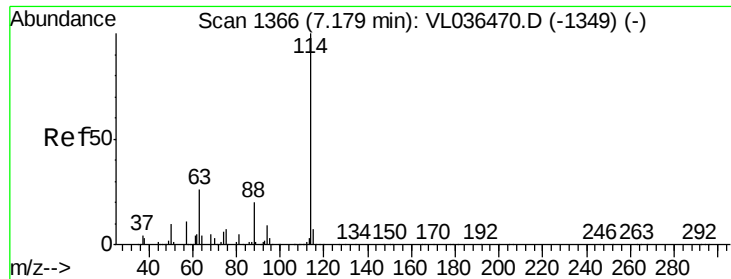
MMDadoda
4/2/2021 6:53:31 PM



#30
Cyclohexane
Concen: 0.976 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.01 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Tgt Ion	Ratio	Lower	Upper
84	100		
56	129.4	114.6	171.8
41	110.1	75.3	112.9





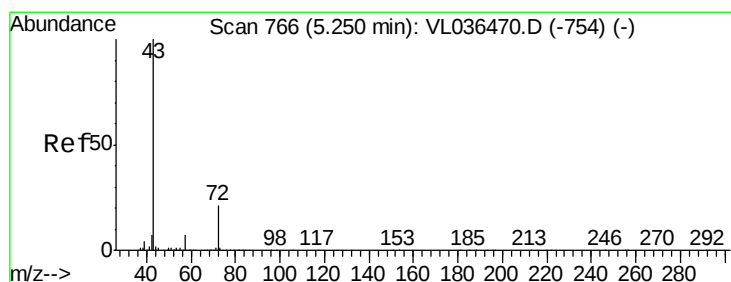
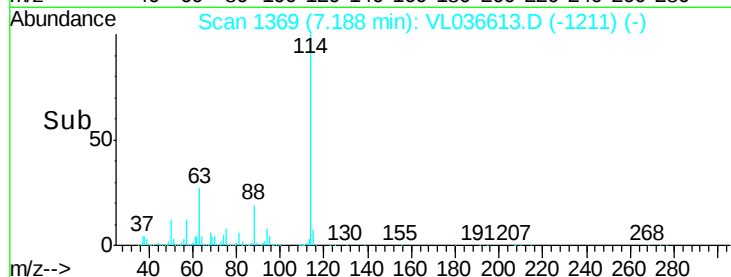
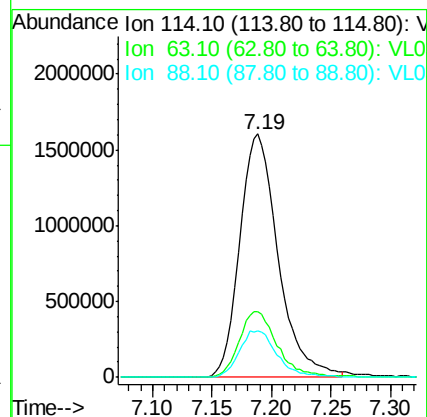
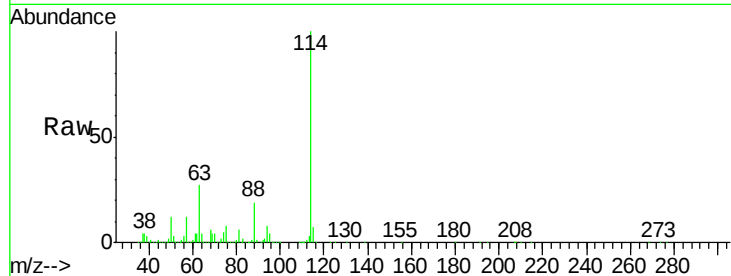
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.01 min
 Lab File: VL036613.D
 Acq: 31 Mar 2021 22:40

Instrument :
 MSVOA_L
 ClientSampleId :
 SG2

Tot Ion:114 Resp: 3587209
 Ion Ratio Lower Upper
 114 100
 63 27.3 22.4 33.6
 88 19.1 15.4 23.0

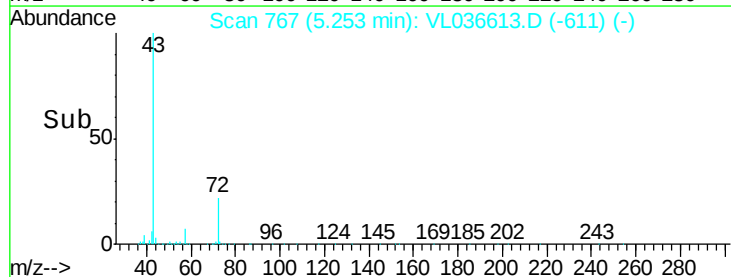
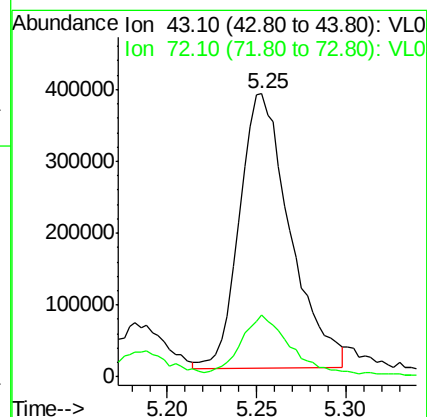
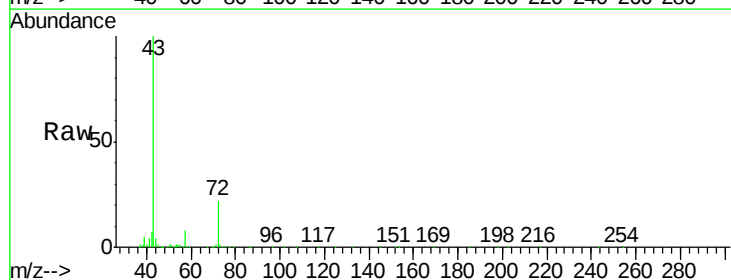
Manual Integrations
 APPROVED

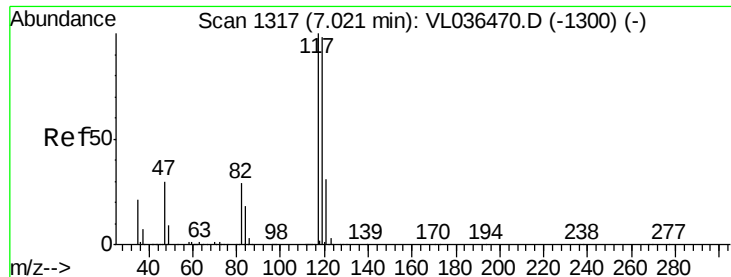
MMDadoda
 4/2/2021 6:53:31 PM



#34
 2-Butanone
 Concen: 4.342 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: VL036613.D
 Acq: 31 Mar 2021 22:40

Tgt Ion: 43 Resp: 760242
 Ion Ratio Lower Upper
 43 100
 72 24.0 17.0 25.6





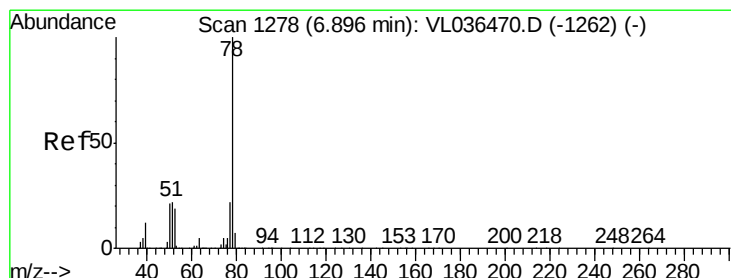
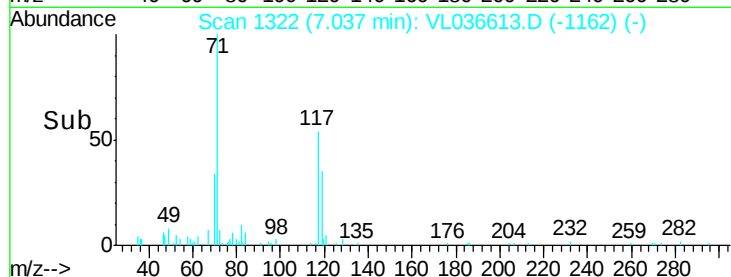
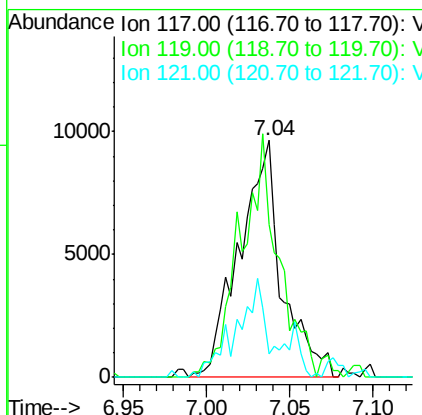
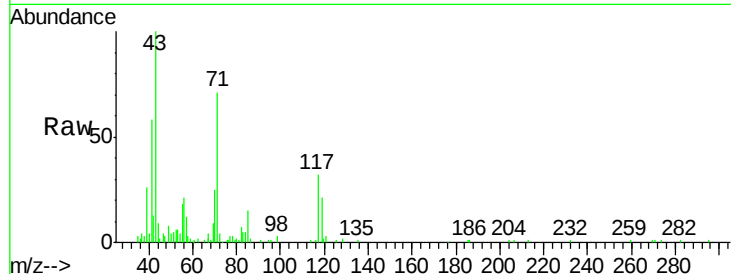
#35
Carbon Tetrachloride
Concen: 0.062 ppbv m
RT: 7.04 min Scan# 1322
Delta R.T. 0.02 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Instrument :
MSVOA_L
ClientSampled :
SG2

Tot Ion	Ratio	Lower	Upper
117	100		
119	64.6	78.2	117.2#
121	10.0	24.5	36.7#

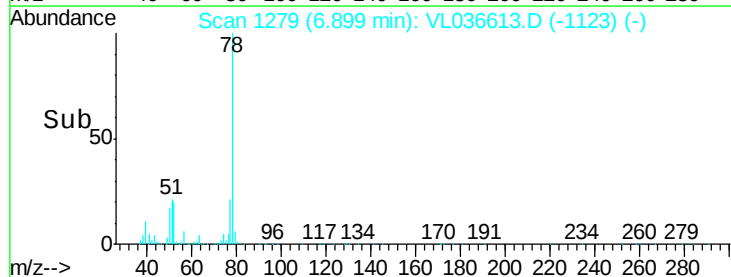
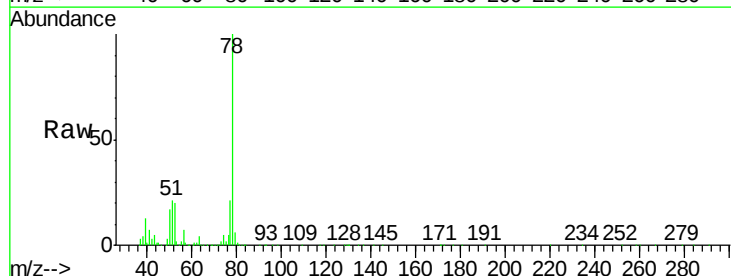
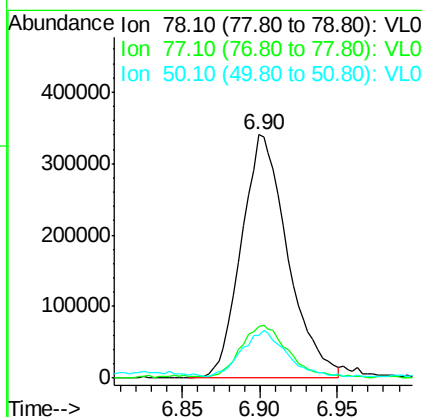
Manual Integrations
APPROVED

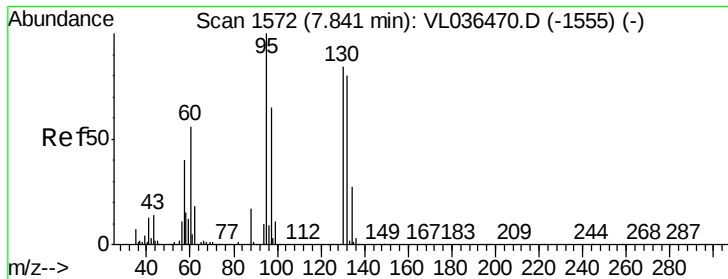
MMDadoda
4/2/2021 6:53:31 PM



#36
Benzene
Concen: 2.135 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. 0.00 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.7	18.0	27.0
50	15.9	16.5	24.7#





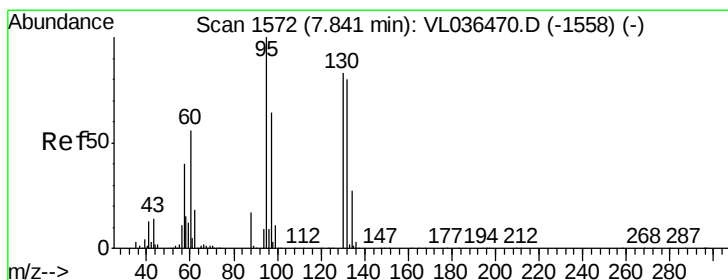
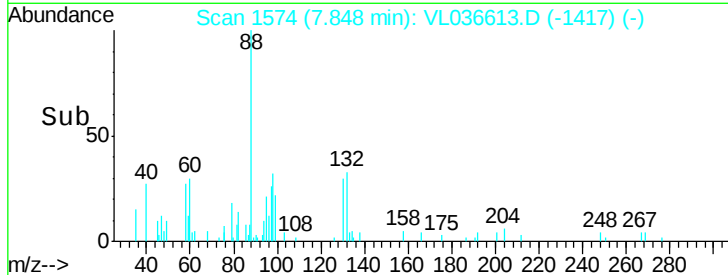
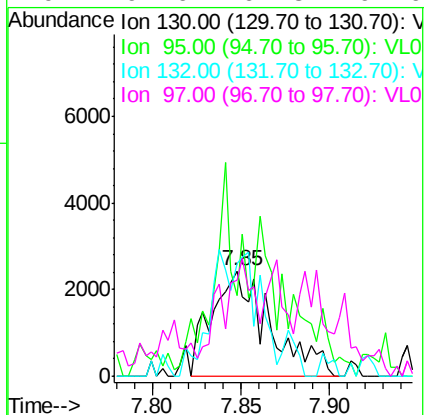
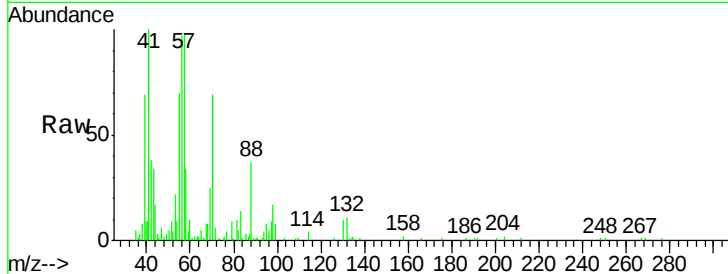
#38
 Trichloroethene
 Concen: 0.043 ppbv m
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VL036613.D
 Acq: 31 Mar 2021 22:40

Instrument :
 MSVOA_L
 ClientSampled :
 SG2

Tot Ion:	130	Resp:	5522
Ion Ratio	Lower	Upper	
130	100		
95	76.0	95.7	143.5#
132	107.3	76.2	114.4
97	91.6	61.8	92.6

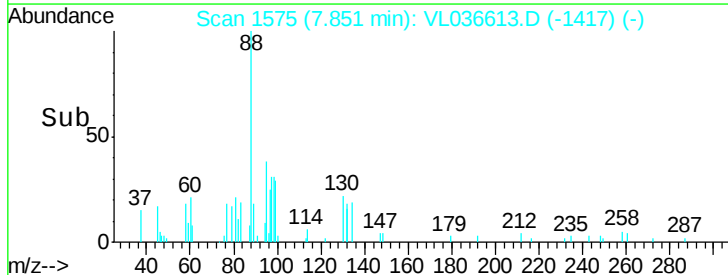
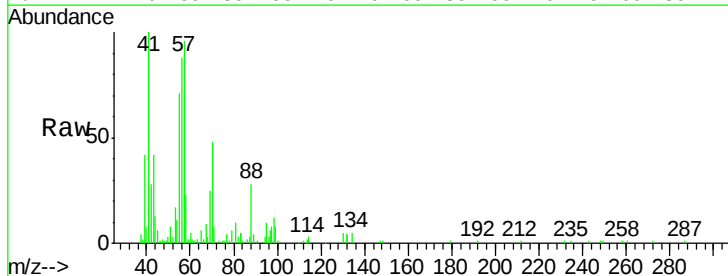
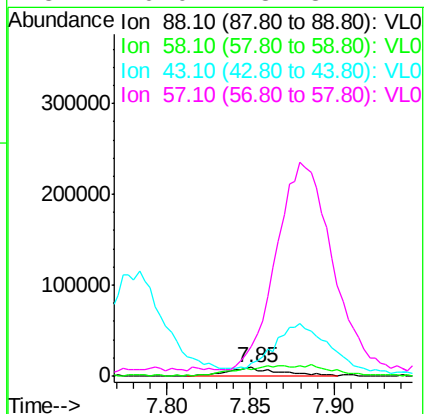
Manual Integrations
 APPROVED

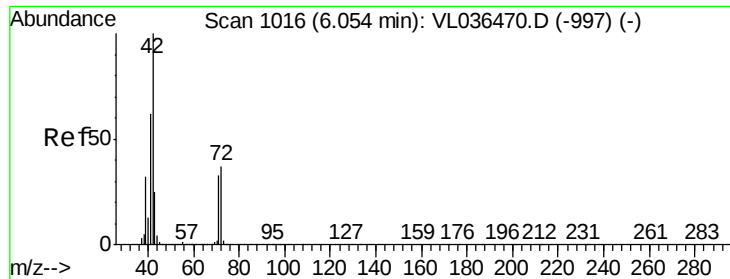
MMDadoda
 4/2/2021 6:53:31 PM



#40
 1,4-Dioxane
 Concen: 0.644 ppbv m
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: VL036613.D
 Acq: 31 Mar 2021 22:40

Tgt Ion:	88	Resp:	20114
Ion Ratio	Lower	Upper	
88	100		
58	0.0	134.1	201.1#
43	0.0	346.6	520.0#
57	0.0	1481.8	2222.8#





#41

Tetrahydrofuran

Concen: 0.674 ppbv m

RT: 6.06 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Instrument :

MSVOA_L

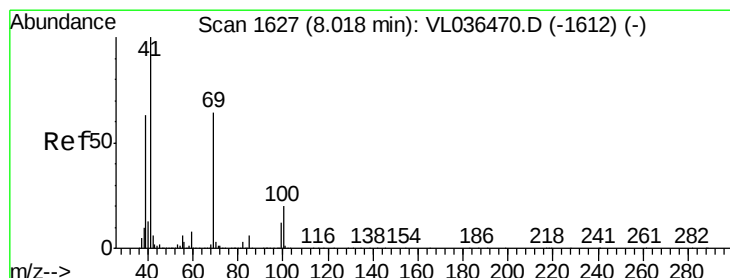
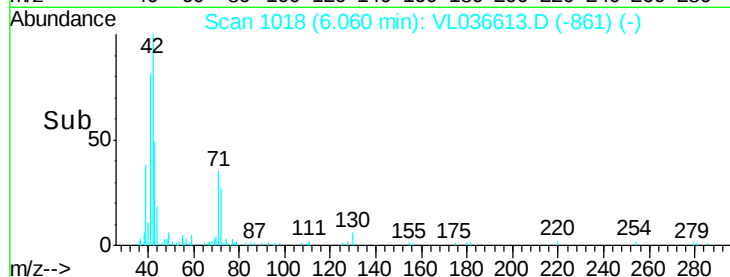
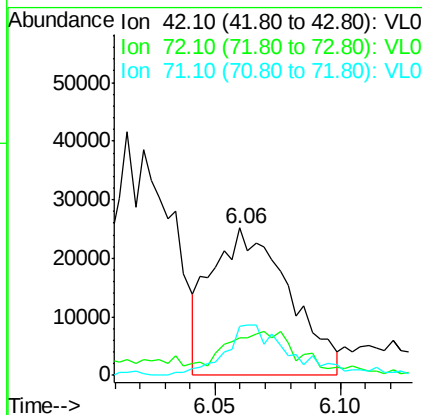
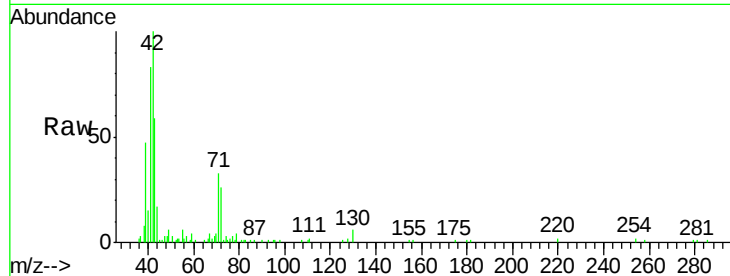
ClientSampleId :

SG2

Tot Ion:	42	Resp:	54446
Ion Ratio	Lower	Upper	
42	100		
72	0.0	27.6	41.4#
71	0.0	27.0	40.4#

Manual Integrations
APPROVED

MMDadoda
4/2/2021 6:53:31 PM



#43

Methyl Methacrylate

Concen: 0.217 ppbv m

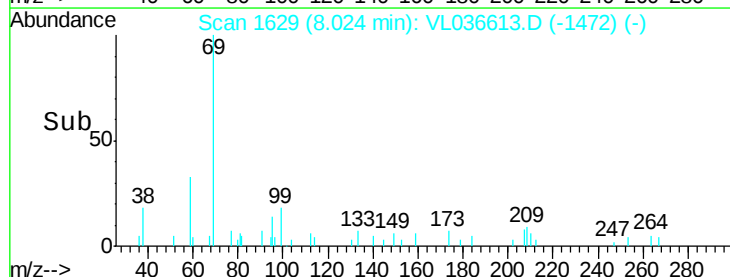
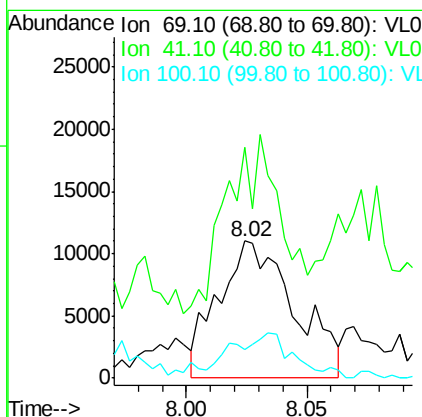
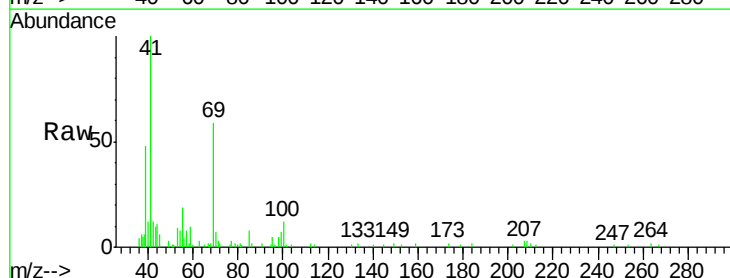
RT: 8.02 min Scan# 1629

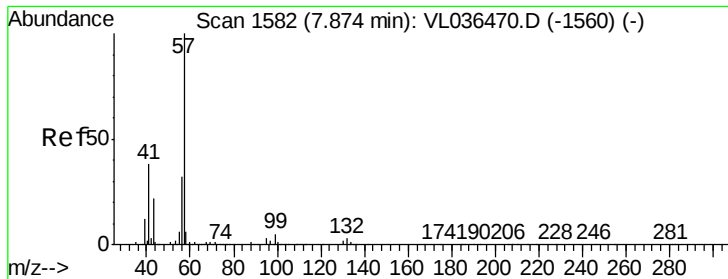
Delta R.T. 0.01 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Tgt Ion:	69	Resp:	24062
Ion Ratio	Lower	Upper	
69	100		
41	88.1	126.8	190.2#
100	29.4	24.9	37.3





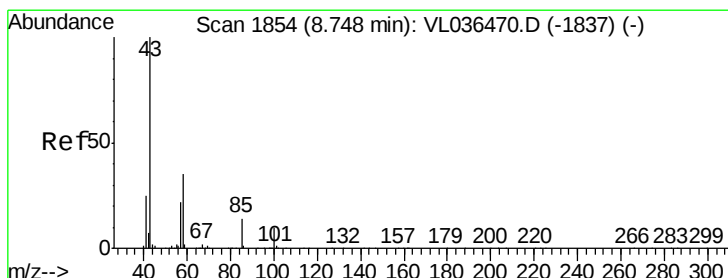
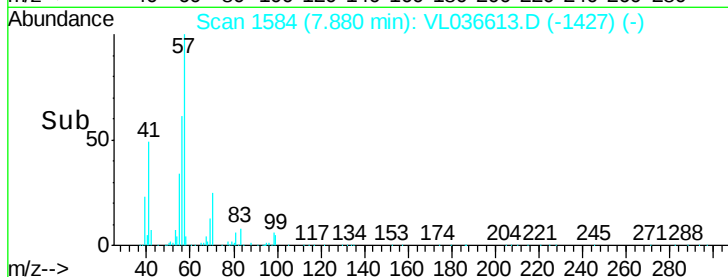
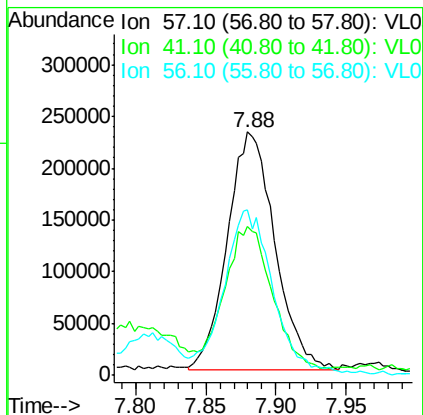
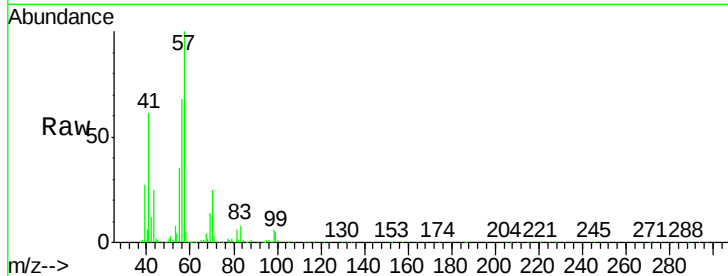
#44
 2,2,4-Trimethylpentane
 Concen: 0.927 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.01 min
 Lab File: VL036613.D
 Acq: 31 Mar 2021 22:40

Instrument :
 MSVOA_L
 ClientSampleId :
 SG2

Tot Ion	Ratio	Lower	Upper
57	100		
41	60.3	28.8	43.2#
56	71.8	26.1	39.1#

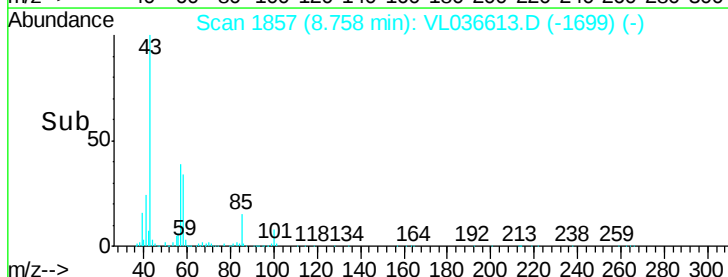
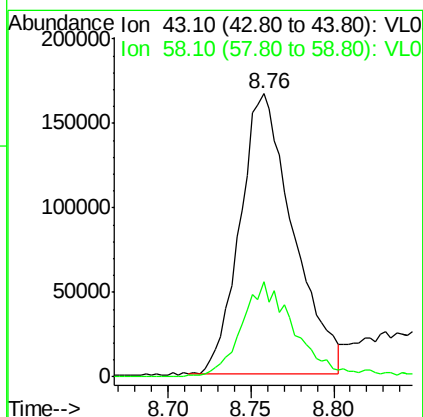
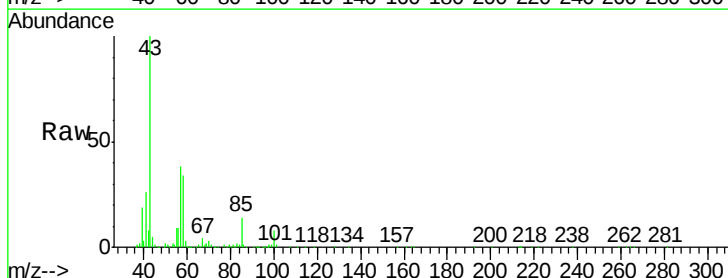
Manual Integrations
 APPROVED

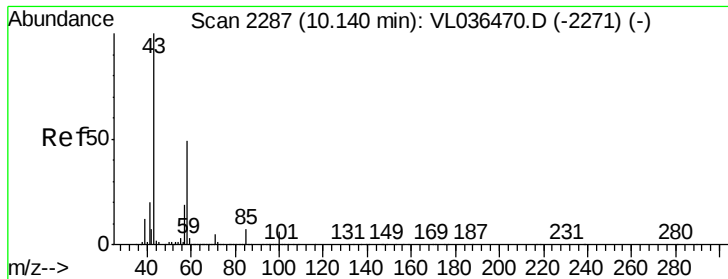
MMDadoda
 4/2/2021 6:53:31 PM



#50
 4-Methyl-2-Pentanone
 Concen: 1.469 ppbv
 RT: 8.76 min Scan# 1857
 Delta R.T. 0.01 min
 Lab File: VL036613.D
 Acq: 31 Mar 2021 22:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.3	28.2	42.2





#51

2-Hexanone

Concen: 1.351 ppbv m

RT: 10.13 min Scan# 2285

Delta R.T. -0.01 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Instrument :

MSVOA_L

ClientSampled :

SG2

Tot Ion: 43 Resp: 172799

Ion Ratio Lower Upper

43 100

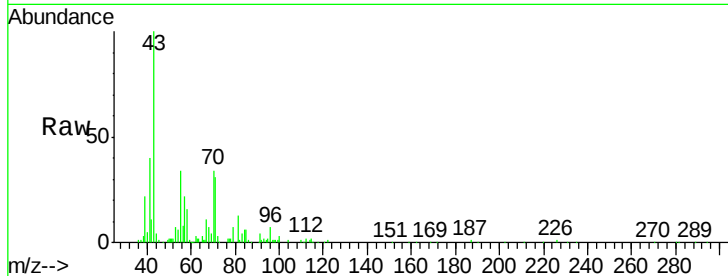
58 21.6 37.7 56.5#

98 0.0 0.2 0.2#

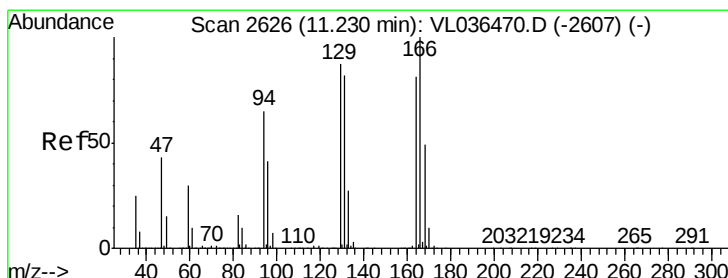
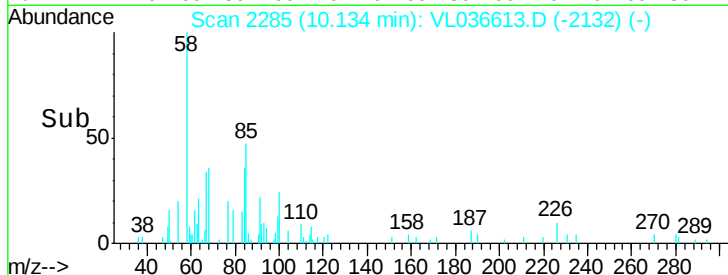
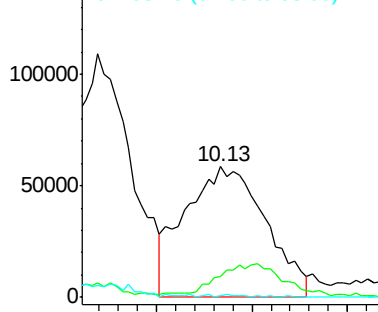
Manual Integrations
APPROVED

MMDadoda

4/2/2021 6:53:31 PM



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.085 ppbv m

RT: 11.23 min Scan# 2626

Delta R.T. -0.00 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Tgt Ion: 164 Resp: 10327

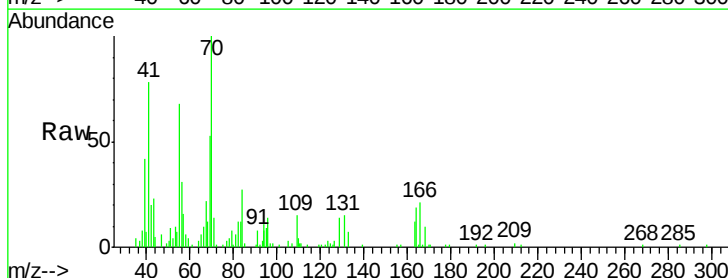
Ion Ratio Lower Upper

164 100

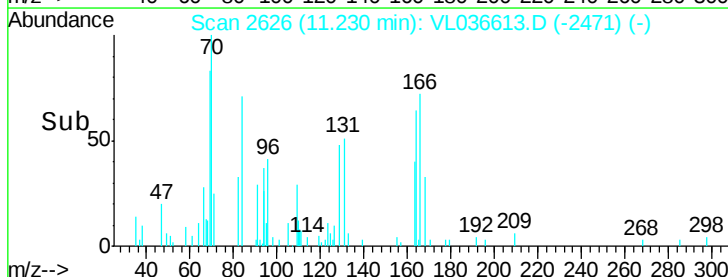
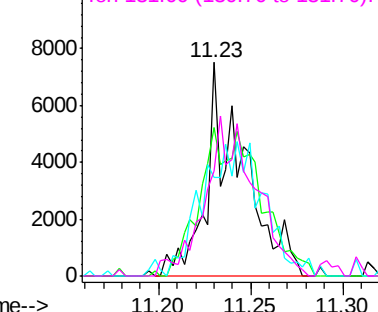
166 112.6 98.3 147.5

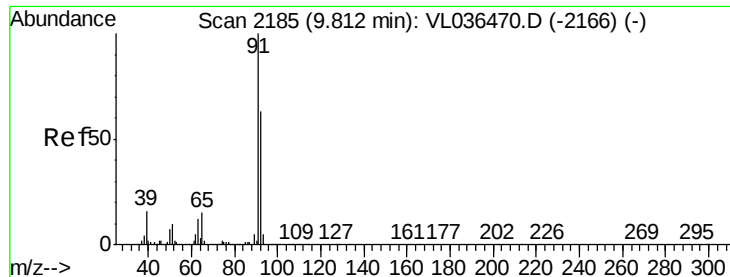
129 74.6 85.8 128.8#

131 79.4 80.9 121.3#



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 6.532 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.01 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Instrument :

MSVOA_L

ClientSampleId :

SG2

Tot Ion: 91 Resp: 2301167

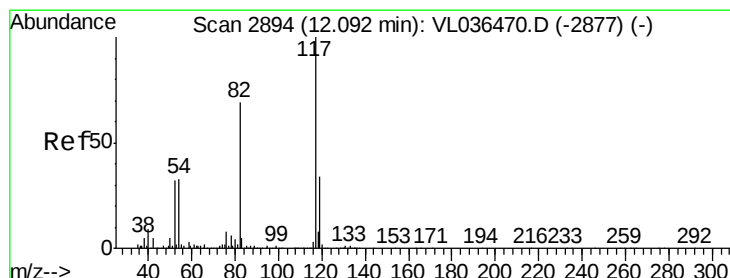
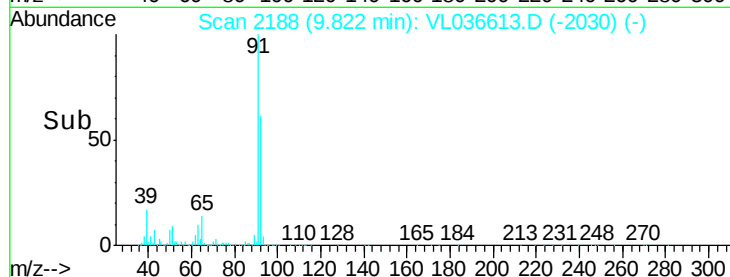
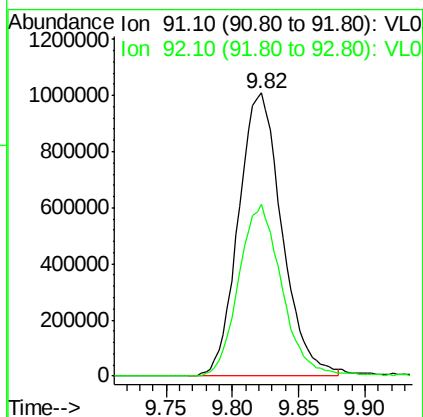
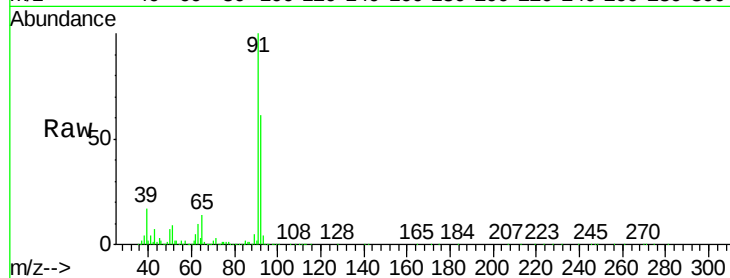
Ion Ratio Lower Upper

91 100

92 60.4 48.8 73.2

Manual Integrations
APPROVED

MMDadoda
4/2/2021 6:53:31 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. 0.01 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

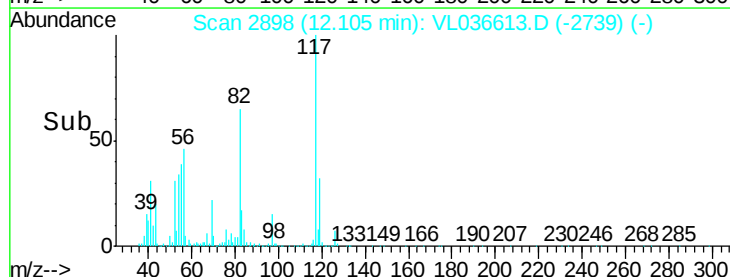
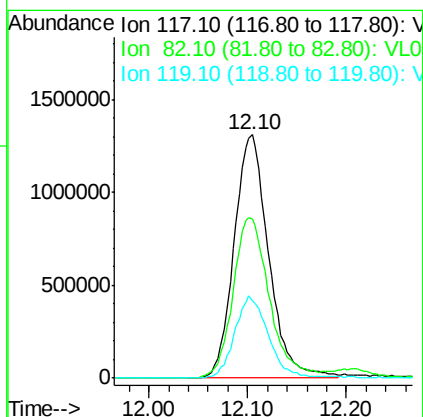
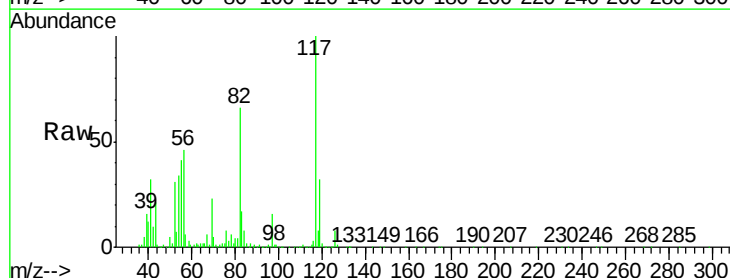
Tgt Ion: 117 Resp: 3193512

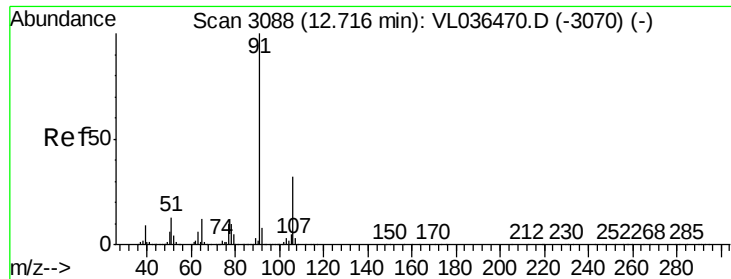
Ion Ratio Lower Upper

117 100

82 69.2 57.4 86.0

119 33.0 47.4 71.0#





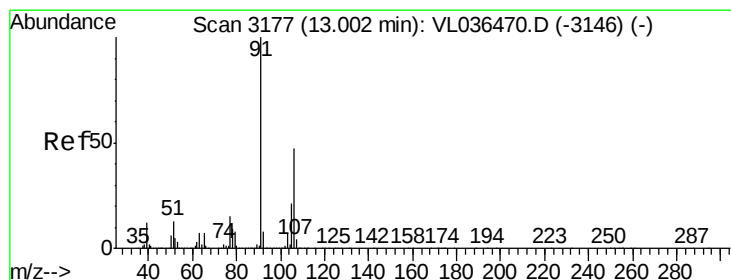
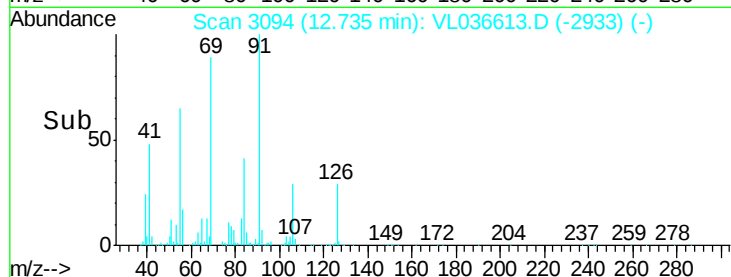
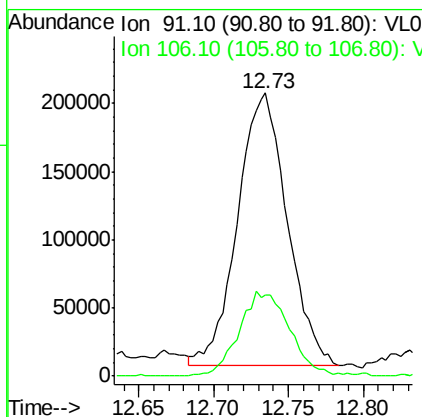
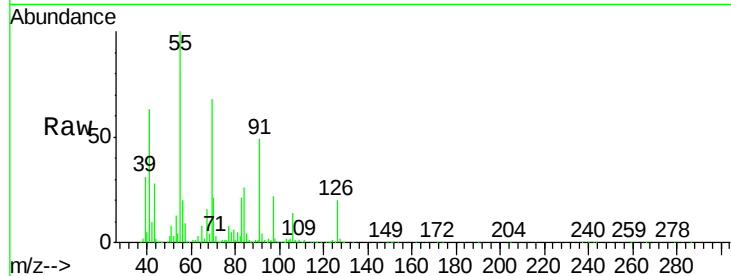
#58
Ethyl Benzene
Concen: 0.993 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. 0.02 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Instrument :
MSVOA_L
ClientSampleId :
SG2

Tot Ion: 91 Resp: 461532
Ion Ratio Lower Upper
91 100
106 30.0 25.3 37.9

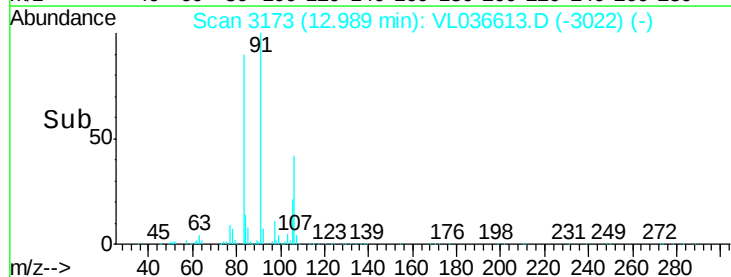
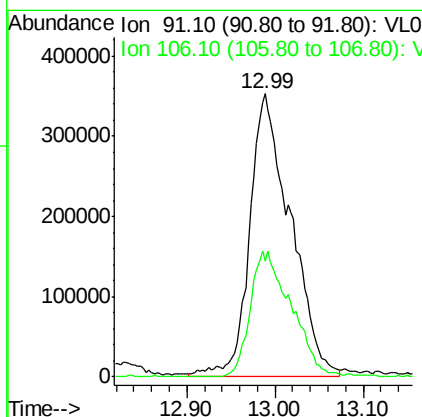
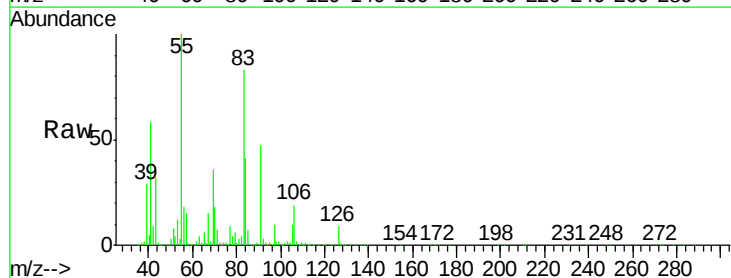
Manual Integrations
APPROVED

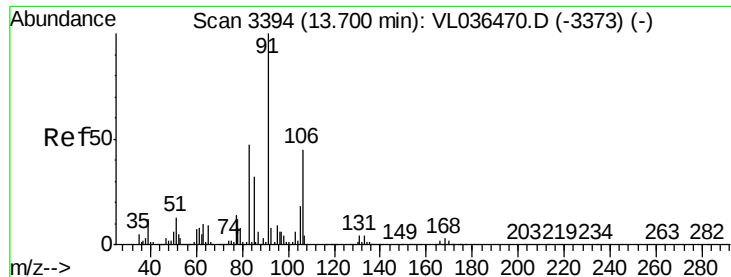
MMDadoda
4/2/2021 6:53:31 PM



#59
m/p-Xylene
Concen: 2.815 ppbv m
RT: 12.99 min Scan# 3173
Delta R.T. -0.01 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Tgt Ion: 91 Resp: 1140939
Ion Ratio Lower Upper
91 100
106 0.0 35.3 52.9#





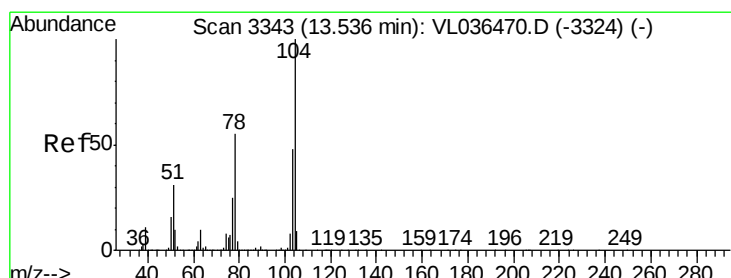
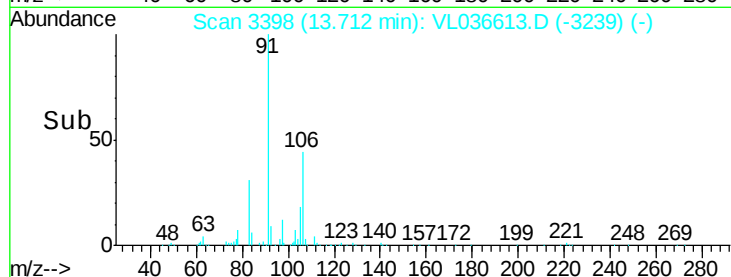
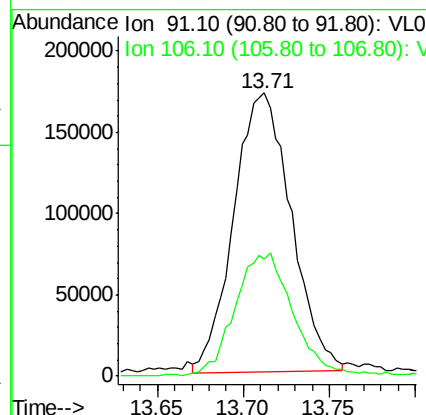
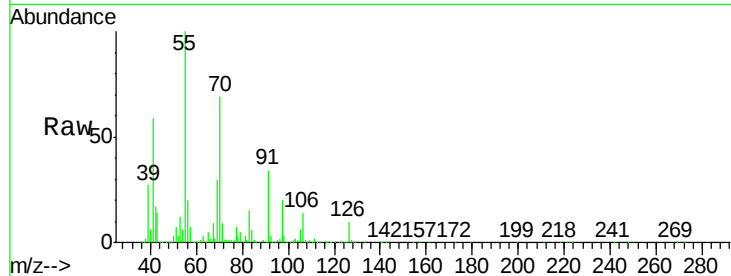
#60
o-Xylene
Concen: 1.019 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. 0.01 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Instrument :
MSVOA_L
ClientSampled :
SG2

Tot Ion: 91 Resp: 399290
Ion Ratio Lower Upper
91 100
106 45.1 22.3 66.9

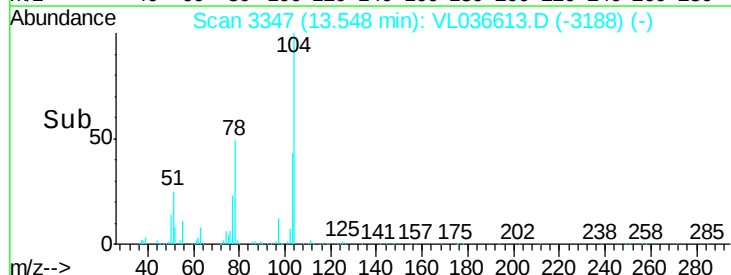
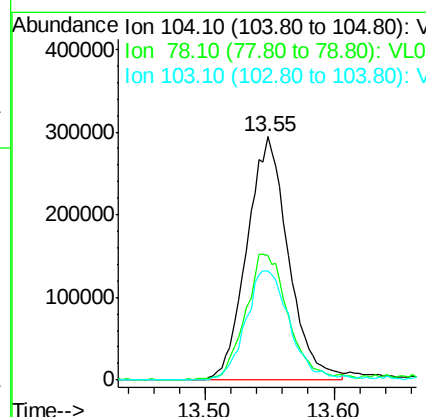
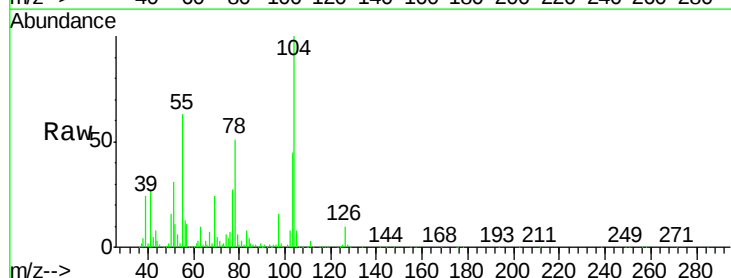
Manual Integrations
APPROVED

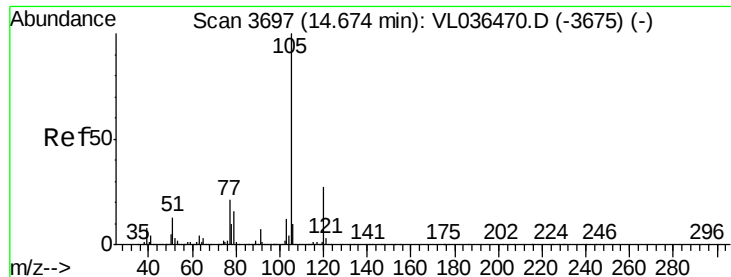
MMDadoda
4/2/2021 6:53:31 PM



#61
Styrene
Concen: 3.346 ppbv
RT: 13.55 min Scan# 3347
Delta R.T. 0.01 min
Lab File: VL036613.D
Acq: 31 Mar 2021 22:40

Tgt Ion: 104 Resp: 659502
Ion Ratio Lower Upper
104 100
78 53.3 43.8 65.8
103 49.0 38.3 57.5





#62

Isopropylbenzene

Concen: 20.917 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. 0.02 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Instrument :

MSVOA_L

ClientSampled :

SG2

Tot Ion:105 Resp:11037045

Ion Ratio Lower Upper

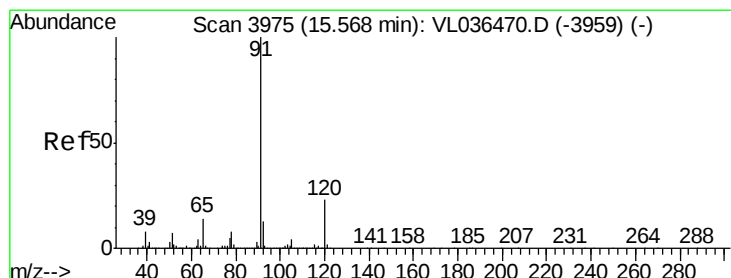
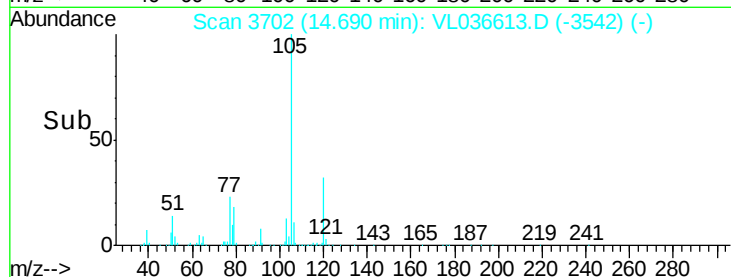
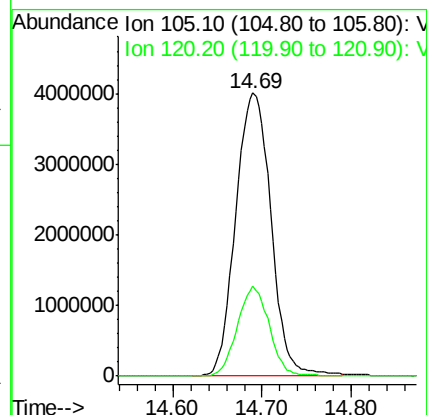
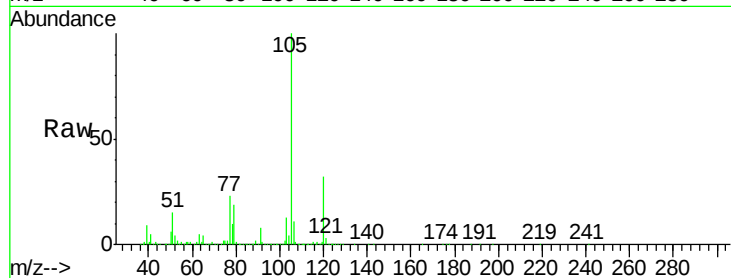
105 100

120 28.8 20.6 31.0

Manual Integrations
APPROVED

MMDadoda

4/2/2021 6:53:31 PM



#64

n-propylbenzene

Concen: 0.225 ppbv m

RT: 15.58 min Scan# 3980

Delta R.T. 0.02 min

Lab File: VL036613.D

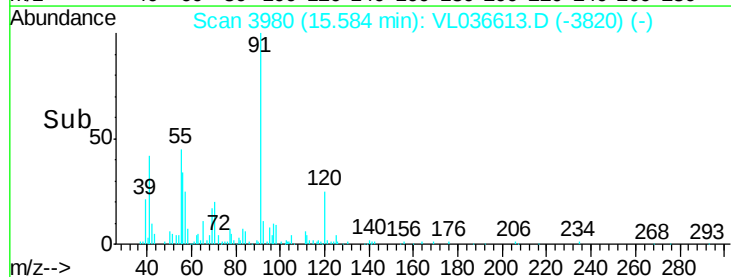
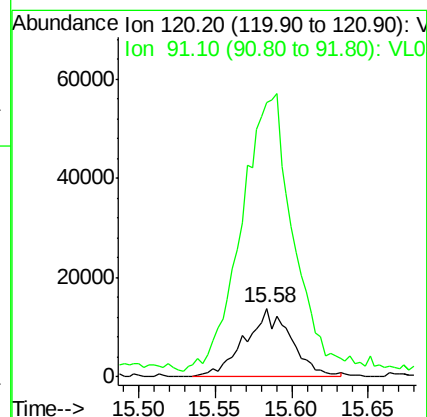
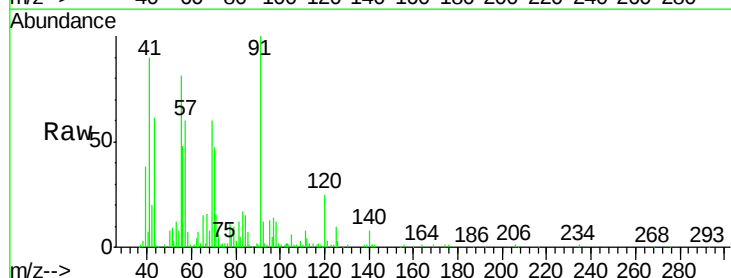
Acq: 31 Mar 2021 22:40

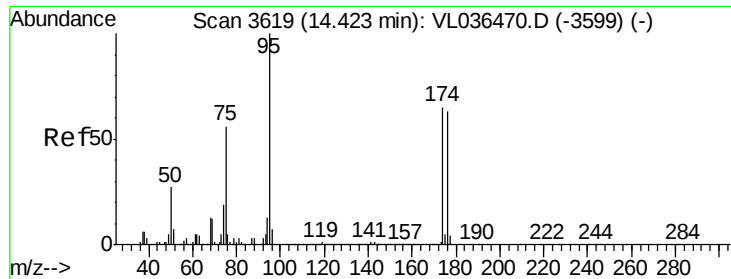
Tgt Ion:120 Resp: 29063

Ion Ratio Lower Upper

120 100

91 0.0 377.4 566.2#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.794 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. 0.02 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Instrument :

MSVOA_L

ClientSampled :

SG2

Tot Ion: 95 Resp: 2747459

Ion Ratio Lower Upper

95 100

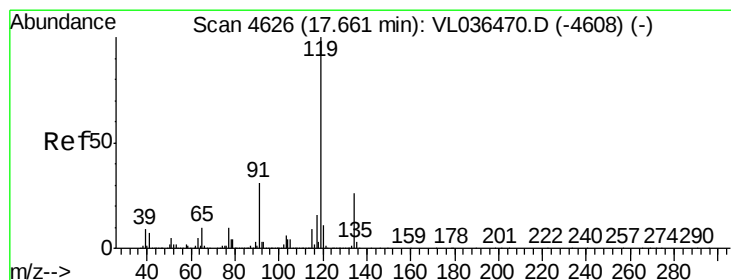
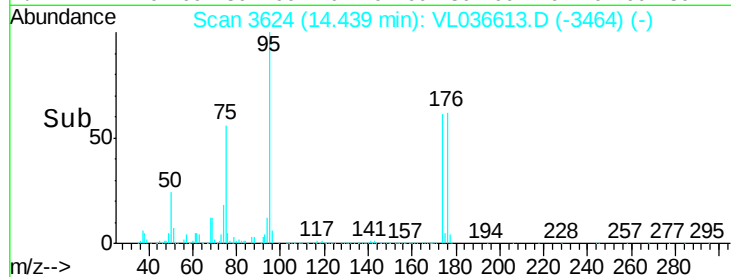
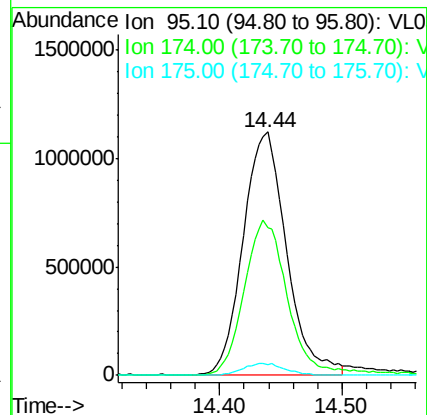
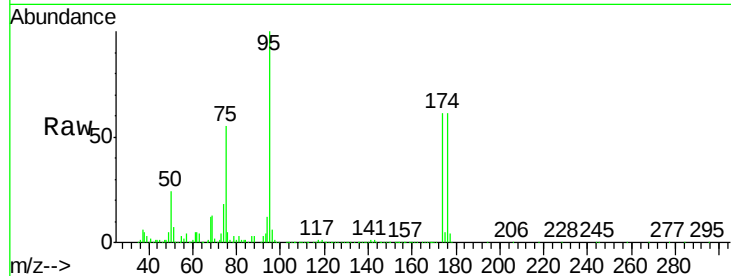
174 66.0 51.0 76.6

175 4.9 3.9 5.9

Manual Integrations
APPROVED

MMDadoda

4/2/2021 6:53:31 PM



#69

p-Isopropyltoluene

Concen: 0.360 ppbv m

RT: 17.68 min Scan# 4631

Delta R.T. 0.02 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

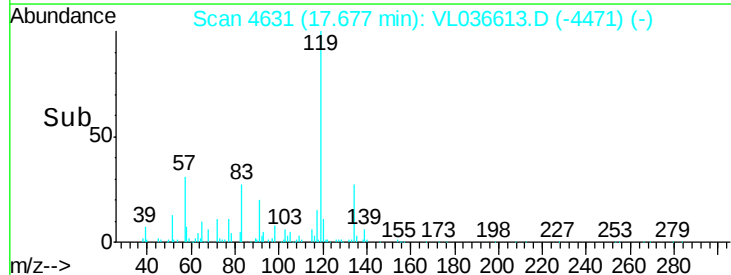
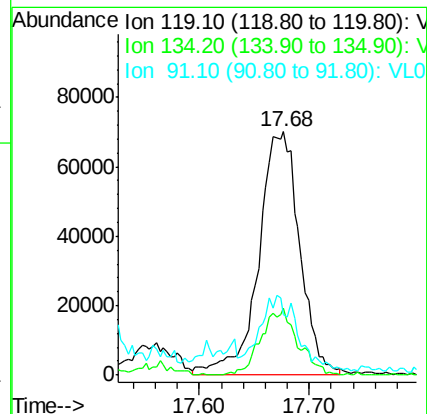
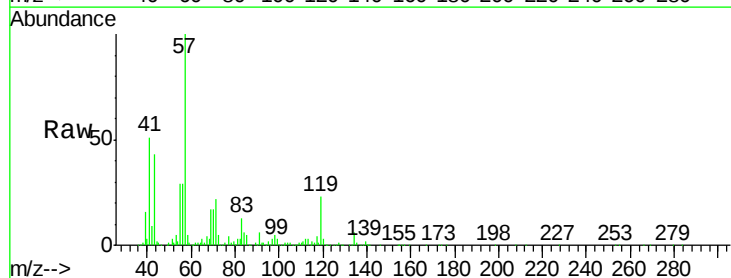
Tgt Ion: 119 Resp: 181501

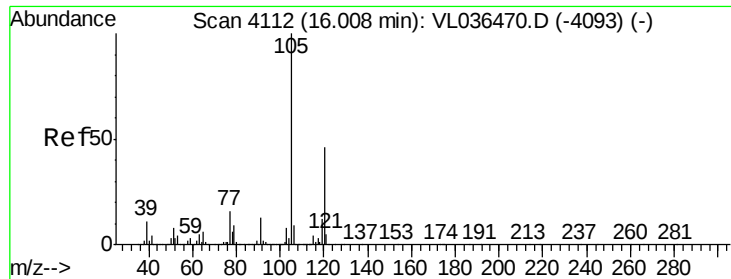
Ion Ratio Lower Upper

119 100

134 24.4 20.6 30.8

91 0.0 25.0 37.6#





#73

1,3,5-Trimethylbenzene

Concen: 0.225 ppbv

RT: 16.02 min Scan# 4115

Delta R.T. 0.01 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Instrument :

MSVOA_L

ClientSampled :

SG2

Tot Ion:105 Resp: 90150

Ion Ratio Lower Upper

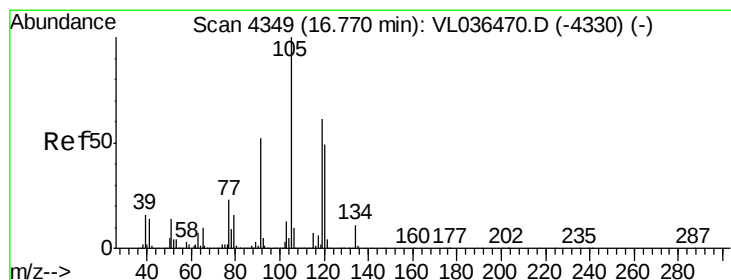
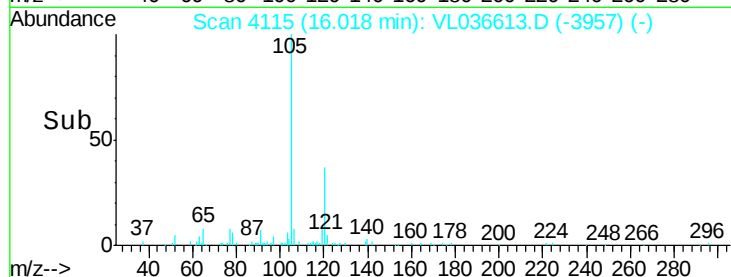
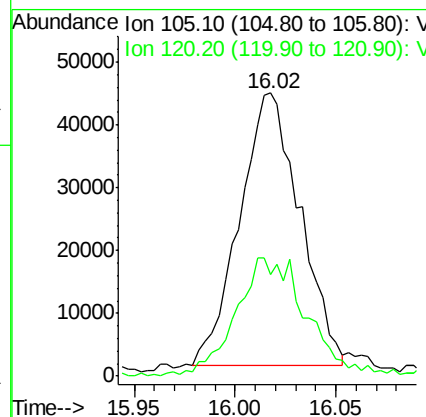
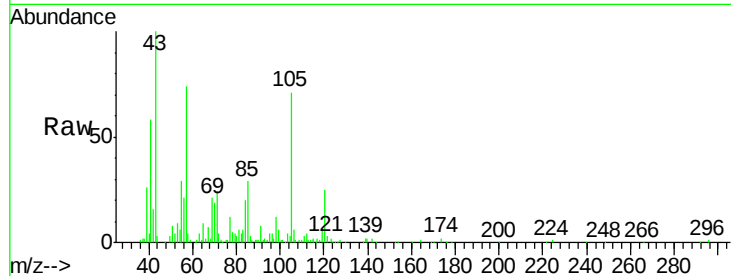
105 100

120 36.3 36.6 54.8#

Manual Integrations
APPROVED

MMDadoda

4/2/2021 6:53:31 PM



#74

1,2,4-Trimethylbenzene

Concen: 0.748 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL036613.D

Acq: 31 Mar 2021 22:40

Tgt Ion:105 Resp: 320969

Ion Ratio Lower Upper

105 100

120 39.8 39.2 58.8

91 12.2 42.6 64.0#

77 13.4 18.6 28.0#

