

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037335.D
 Acq On : 5 Aug 2021 9:17
 Operator : SY/AP
 Sample : M3239-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

MMDadoda
 8/5/2021 1:41:27 PM

Quant Time: Aug 05 10:12:49 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 04 22:53:01 2021
 QLast Update : Wed Aug 04 22:53:01 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	999011	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3358742	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2919543	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2155740	10.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	61463	0.303	ppbv	97
3) Chlorodifluoromethane	2.98	51	168723	0.831	ppbv	93
4) Chloromethane	3.13	50	21346m	0.293	ppbv	
9) Propene	3.01	41	83410	1.136	ppbv	89
10) Heptane	8.11	43	436240	2.543	ppbv	99
11) Trichlorofluoromethane	3.95	101	50027	0.268	ppbv	96
13) Ethanol	3.61	45	81043	7.326	ppbv	90
15) Acetone	3.84	43	2535343	23.363	ppbv	100
17) tert-Butyl alcohol	4.29	59	71387	0.655	ppbv #	87
19) Isopropyl Alcohol	3.97	45	59792	0.996	ppbv #	93
20) Methylene Chloride	4.34	84	50131	0.558	ppbv	96
26) Hexane	5.68	57	1383335	8.761	ppbv #	46
27) Carbon Disulfide	4.54	76	19817	0.154	ppbv #	37
29) Chloroform	5.74	83	320800	1.604	ppbv	95
30) Cyclohexane	7.12	84	25957m	0.213	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	88852	0.466	ppbv	97
34) 2-Butanone	5.24	43	582786	5.000	ppbv	95
35) Carbon Tetrachloride	7.01	117	6058m	0.030	ppbv	
36) Benzene	6.88	78	74081	0.245	ppbv #	93
44) 2,2,4-Trimethylpentane	7.86	57	109319	0.219	ppbv #	1
50) 4-Methyl-2-Pentanone	8.74	43	34316	0.192	ppbv	99
51) 2-Hexanone	10.12	43	603537	7.438	ppbv #	86
52) Tetrachloroethene	11.21	164	70213m	0.539	ppbv	
53) Toluene	9.80	91	2425322	6.797	ppbv	100
58) Ethyl Benzene	12.70	91	255208	0.595	ppbv	93
59) m/p-Xylene	12.96	91	670899	1.857	ppbv	93
60) o-Xylene	13.68	91	387279	1.180	ppbv	97
61) Styrene	13.52	104	219970	1.222	ppbv	96
62) Isopropylbenzene	14.65	105	108339m	0.227	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.65	83	103040	0.432	ppbv #	54
64) n-propylbenzene	15.55	120	96717m	0.776	ppbv	
65) tert-Butylbenzene	16.75	119	254344	0.579	ppbv #	64
67) sec-Butylbenzene	17.28	105	246102	0.415	ppbv	99
69) p-Isopropyltoluene	17.64	119	222083	0.445	ppbv	94
70) n-Butylbenzene	18.55	91	475741	1.043	ppbv #	61
72) 4-Ethyltoluene	15.82	105	456427	1.152	ppbv #	96
73) 1,3,5-Trimethylbenzene	15.99	105	522032	1.465	ppbv	93
74) 1,2,4-Trimethylbenzene	16.75	105	2162194	5.687	ppbv #	75
79) Naphthalene	22.18	128	155224m	0.445	ppbv	
80) Naphthalene,2-methyl-	24.96	142	12238m	0.216	ppbv	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
Data File : VL037335.D
Acq On : 5 Aug 2021 9:17
Operator : SY/AP
Sample : M3239-01
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations
APPROVED

MMDadoda
8/5/2021 1:41:27 PM

Quant Time: Aug 05 10:12:49 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 04 22:53:01 2021
QLast Update : Wed Aug 04 22:53:01 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

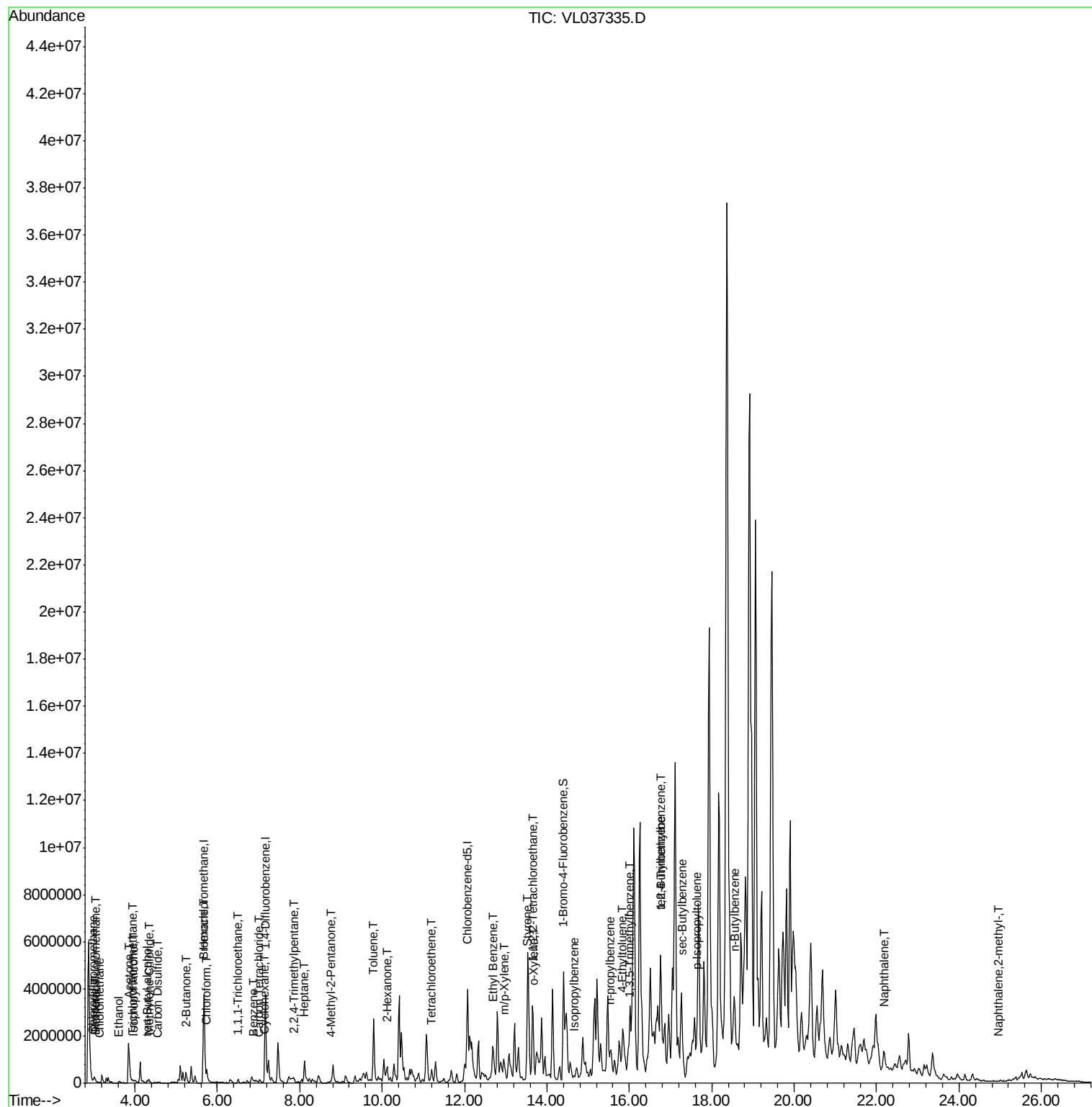
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
Data File : VL037335.D
Acq On : 5 Aug 2021 9:17
Operator : SY/AP
Sample : M3239-01
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

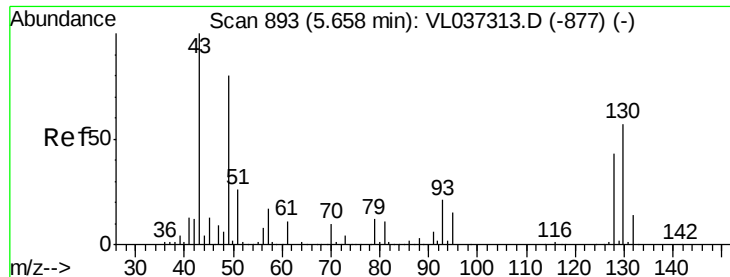
Instrument :
MSVOA_L
ClientSampled :
SV1

Quant Time: Aug 05 10:12:49 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 04 22:53:01 2021
Response via : Initial Calibration

Manual Integrations
APPROVED

MMDadoda
8/5/2021 1:41:27 PM





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL037335.D

Acq: 5 Aug 2021 9:17

Instrument :

MSVOA_L

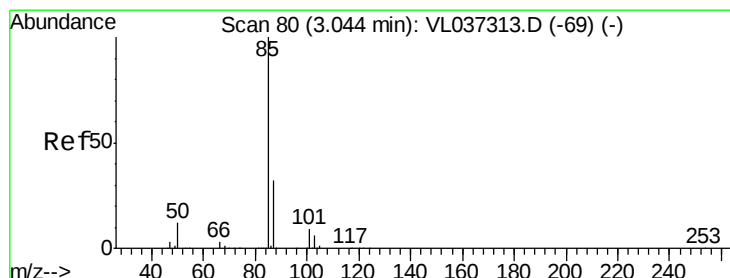
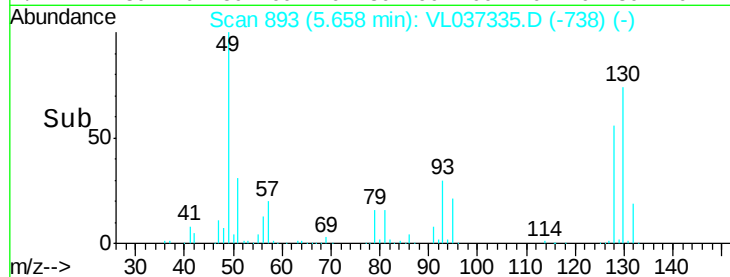
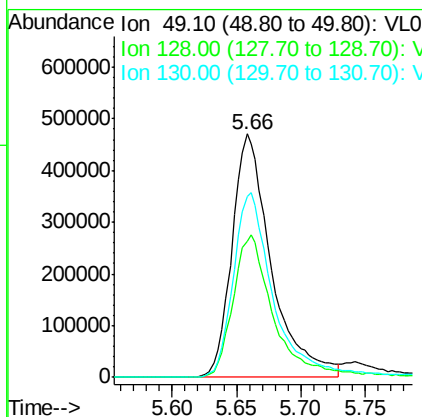
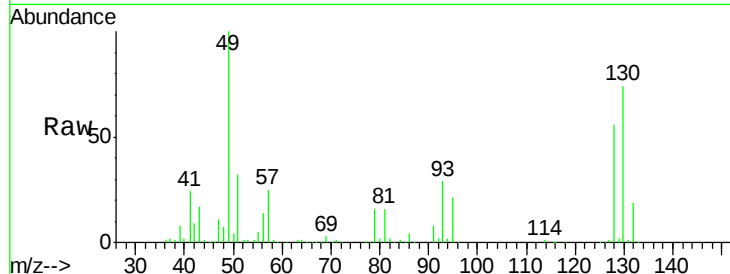
ClientSampleId :

SV1

Tot Ion	49	Resp	999011
Ion	Ratio	Lower	Upper
49	100		
128	61.9	29.8	89.5
130	79.9	37.5	112.7

Manual Integrations
APPROVED

MMDadoda
8/5/2021 1:41:27 PM



#2

Dichlorodifluoromethane

Concen: 0.303 ppbv

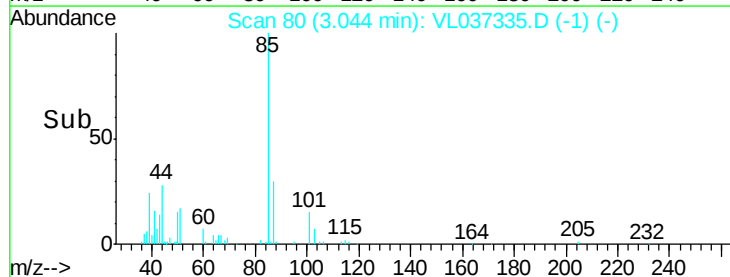
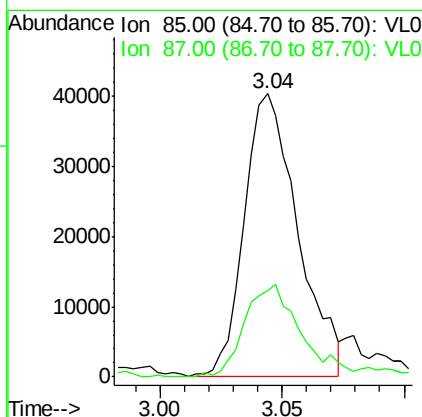
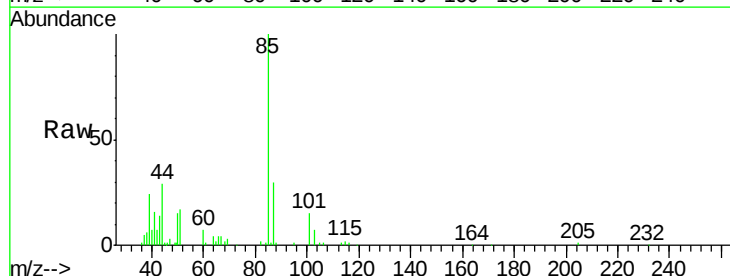
RT: 3.04 min Scan# 80

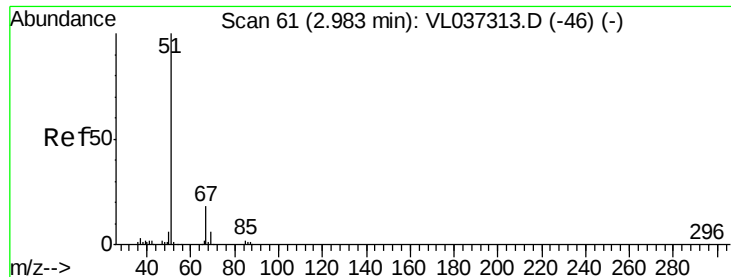
Delta R.T. -0.00 min

Lab File: VL037335.D

Acq: 5 Aug 2021 9:17

Tgt Ion	85	Resp	61463
Ion	Ratio	Lower	Upper
85	100		
87	30.3	25.5	38.3





#3

Chlorodifluoromethane

Concen: 0.831 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL037335.D

Acq: 5 Aug 2021 9:17

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tot Ion: 51 Resp: 168723

Ion Ratio Lower Upper

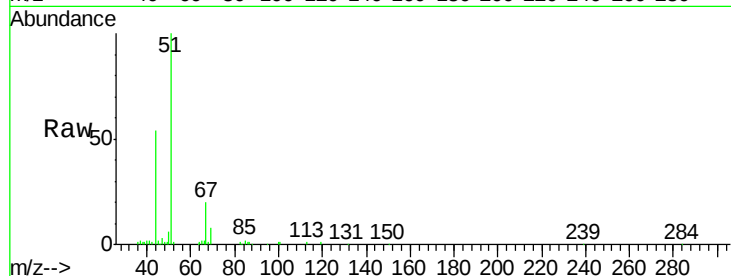
51 100

67 14.8 14.2 21.2

Manual Integrations
APPROVED

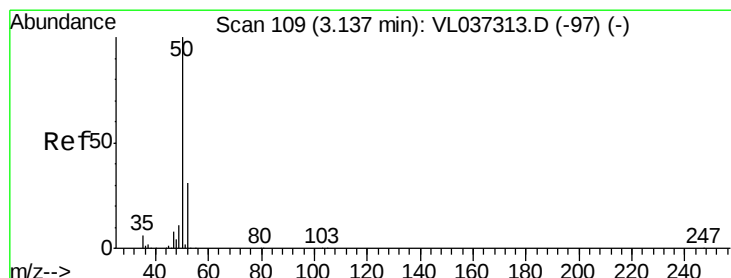
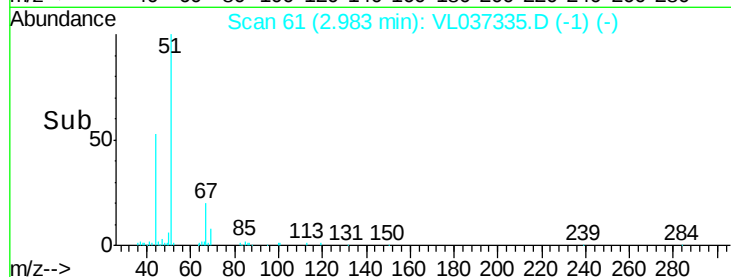
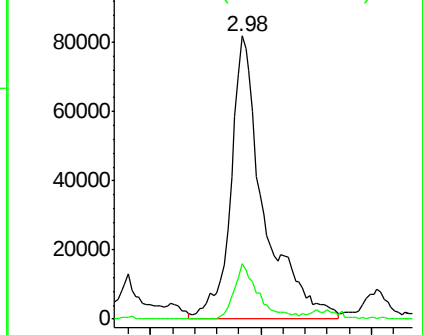
MMDadoda

8/5/2021 1:41:27 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.293 ppbv m

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL037335.D

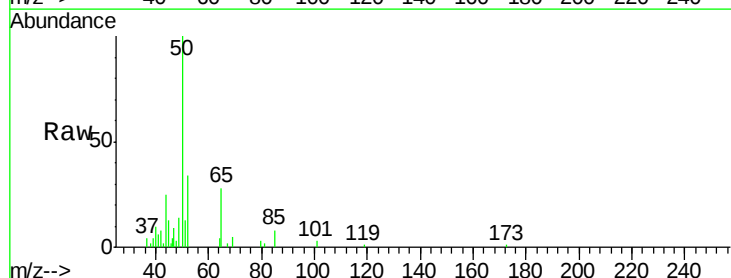
Acq: 5 Aug 2021 9:17

Tgt Ion: 50 Resp: 21346

Ion Ratio Lower Upper

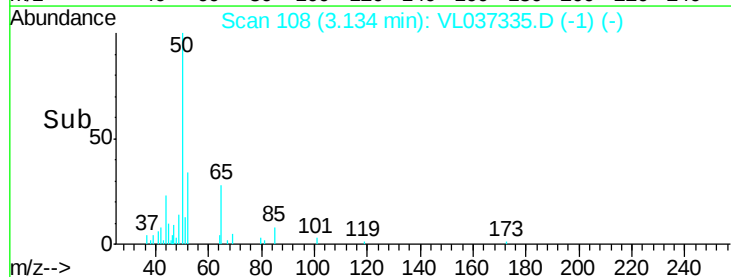
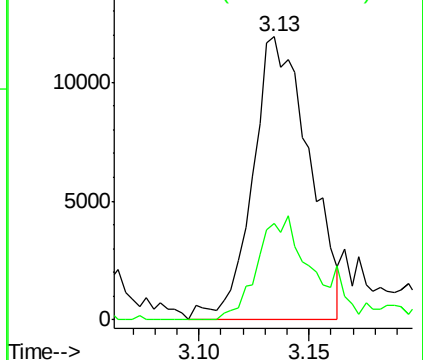
50 100

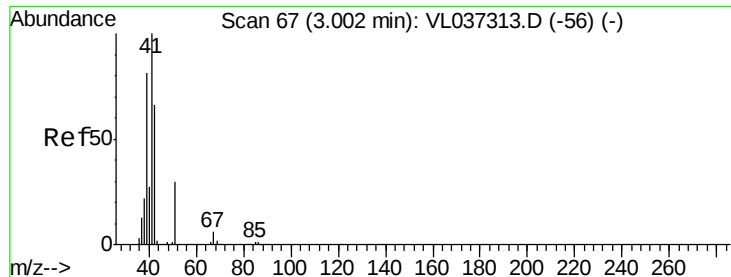
52 34.1 25.1 37.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





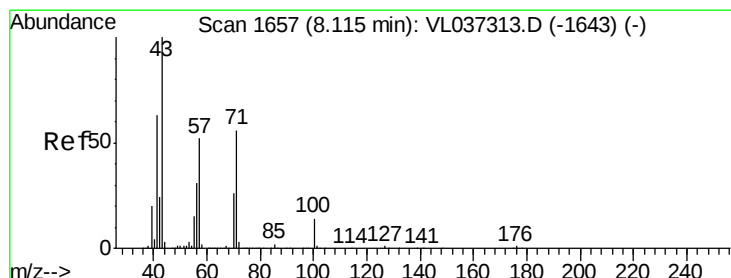
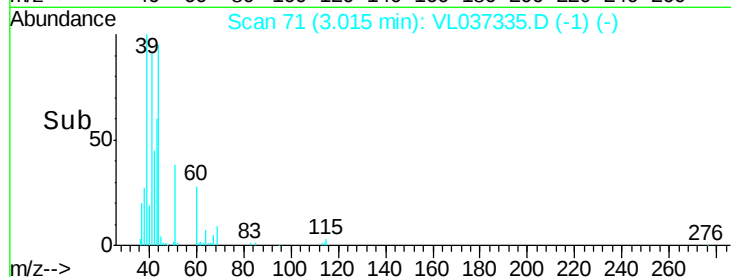
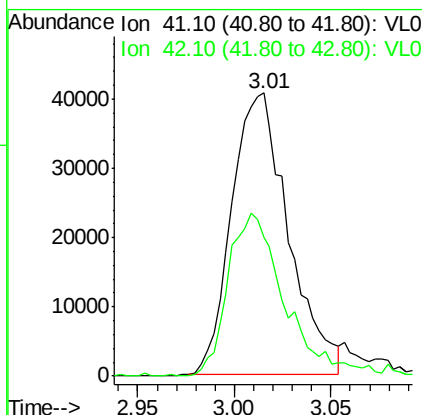
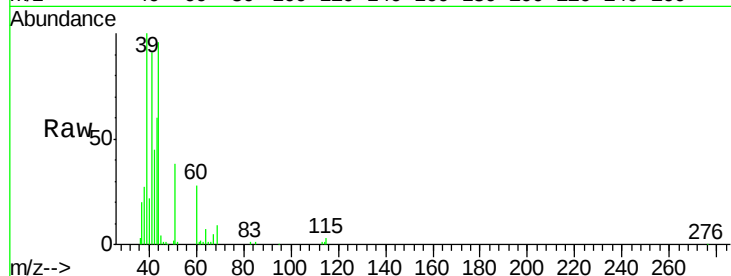
#9
 Propene
 Concen: 1.136 ppbv
 RT: 3.01 min Scan# 71
 Delta R.T. 0.01 min
 Lab File: VL037335.D
 Acq: 5 Aug 2021 9:17

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Tot Ion: 41 Resp: 83410
 Ion Ratio Lower Upper
 41 100
 42 58.7 53.8 80.8

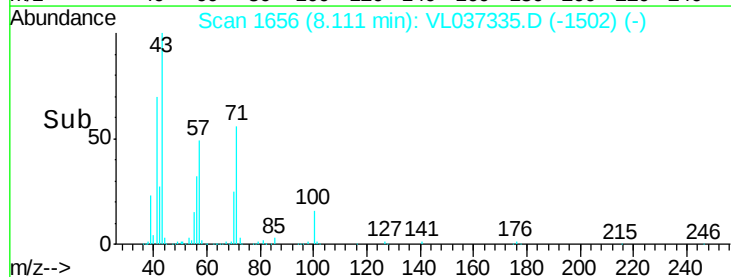
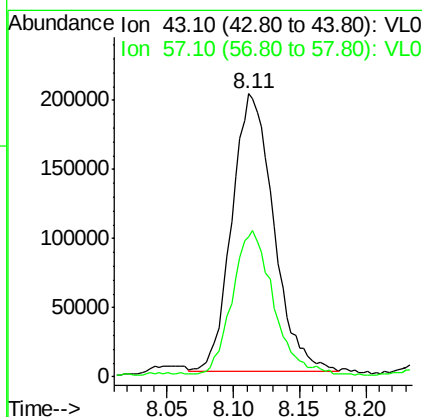
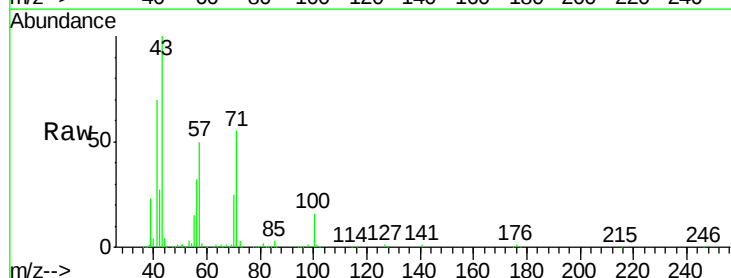
Manual Integrations
 APPROVED

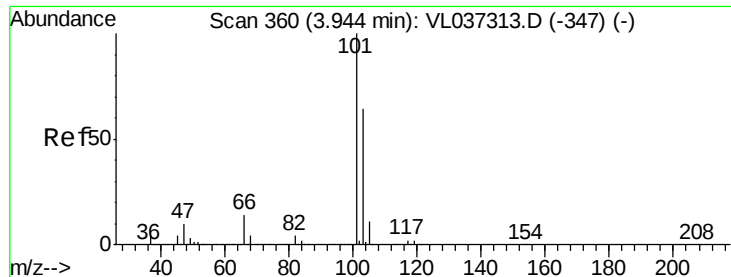
MMDadoda
 8/5/2021 1:41:27 PM



#10
 Heptane
 Concen: 2.543 ppbv
 RT: 8.11 min Scan# 1656
 Delta R.T. -0.00 min
 Lab File: VL037335.D
 Acq: 5 Aug 2021 9:17

Tgt Ion: 43 Resp: 436240
 Ion Ratio Lower Upper
 43 100
 57 52.1 42.4 63.6





#11

Trichlorofluoromethane

Concen: 0.268 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.00 min

Lab File: VL037335.D

Acq: 5 Aug 2021 9:17

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tot Ion:101 Resp: 50027

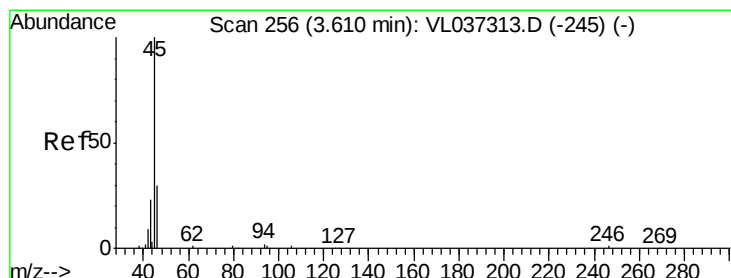
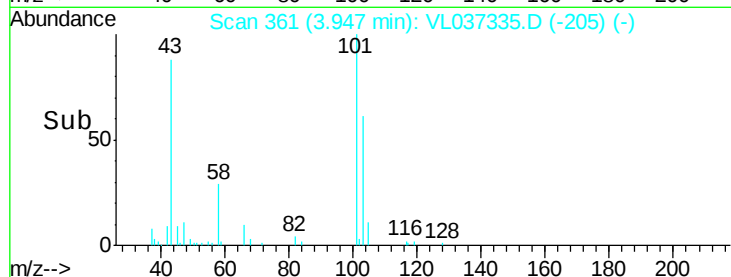
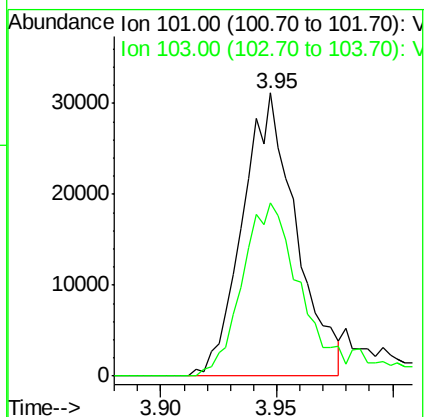
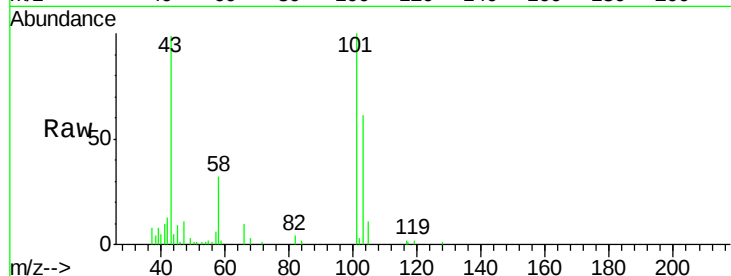
Ion Ratio Lower Upper

101 100

103 61.2 51.6 77.4

Manual Integrations
APPROVED

MMDadoda
8/5/2021 1:41:27 PM



#13

Ethanol

Concen: 7.326 ppbv

RT: 3.61 min Scan# 256

Delta R.T. -0.00 min

Lab File: VL037335.D

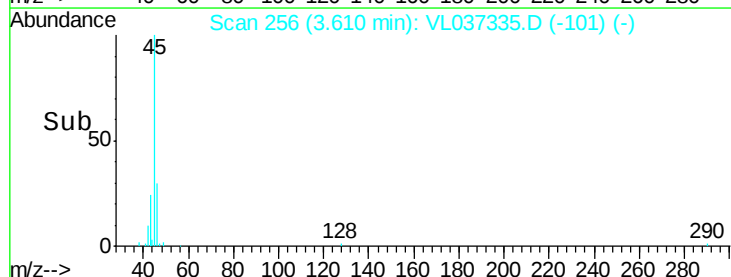
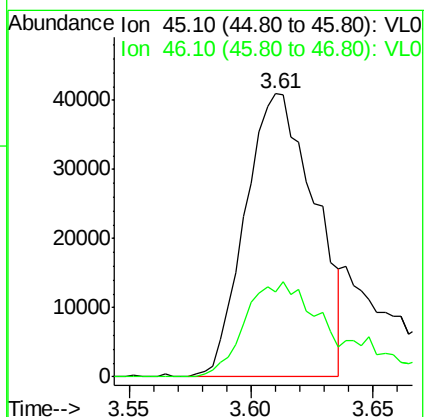
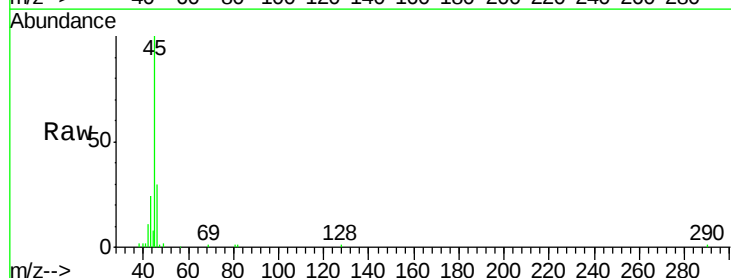
Acq: 5 Aug 2021 9:17

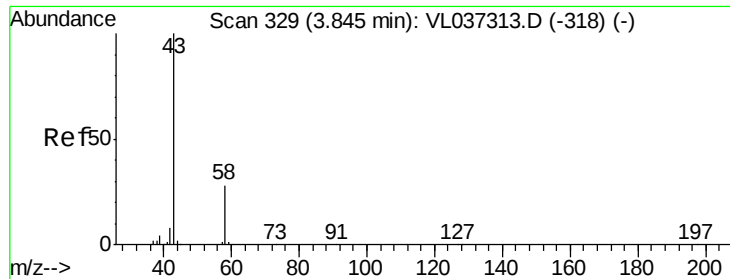
Tgt Ion: 45 Resp: 81043

Ion Ratio Lower Upper

45 100

46 47.6 16.6 66.4





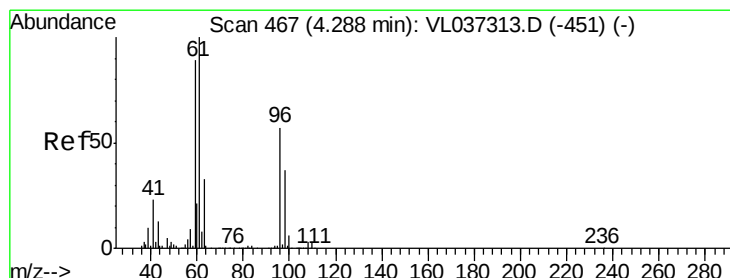
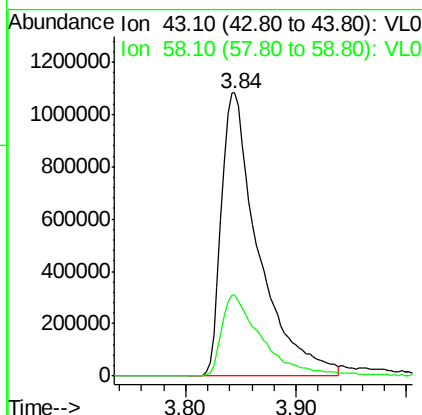
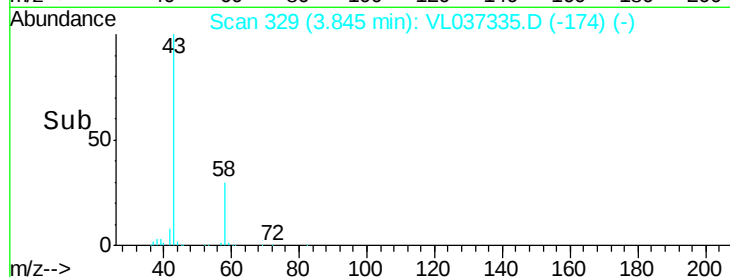
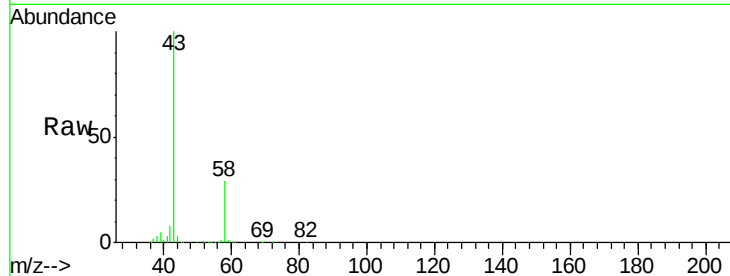
#15
Acetone
Concen: 23.363 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.00 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tot Ion: 43 Resp: 2535343
Ion Ratio Lower Upper
43 100
58 31.8 25.3 37.9

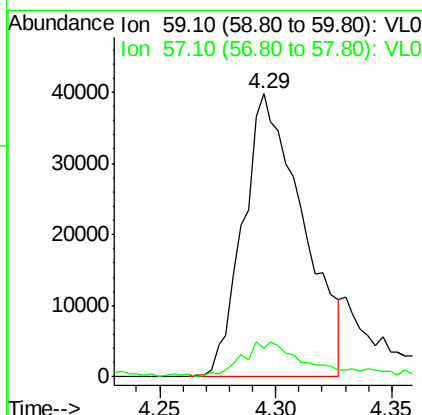
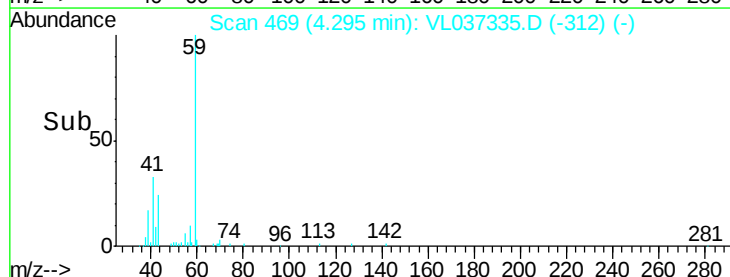
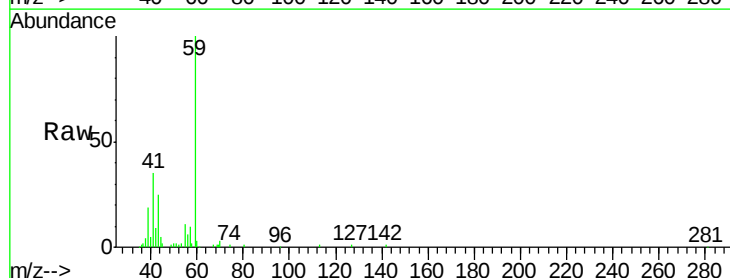
Manual Integrations
APPROVED

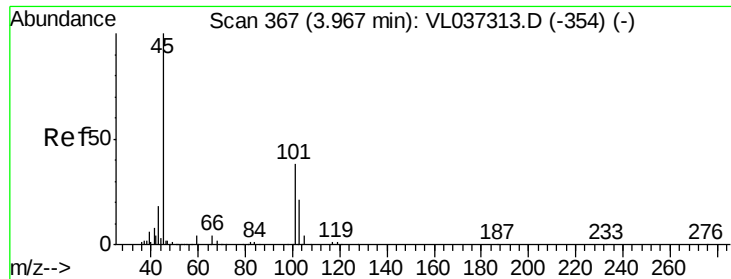
MMDadoda
8/5/2021 1:41:27 PM



#17
tert-Butyl alcohol
Concen: 0.655 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.01 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Tgt Ion: 59 Resp: 71387
Ion Ratio Lower Upper
59 100
57 15.5 8.6 12.8#





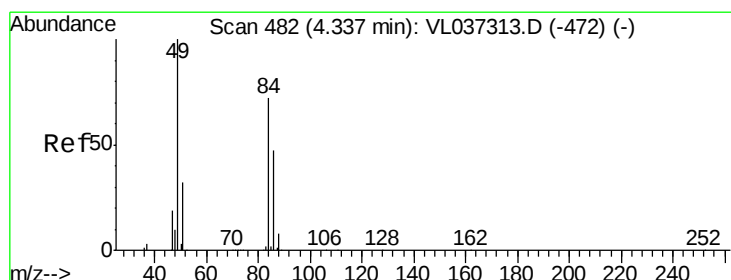
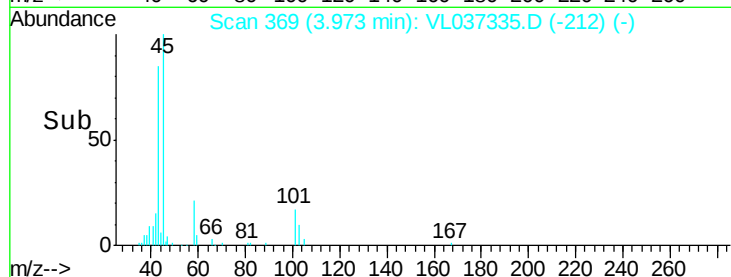
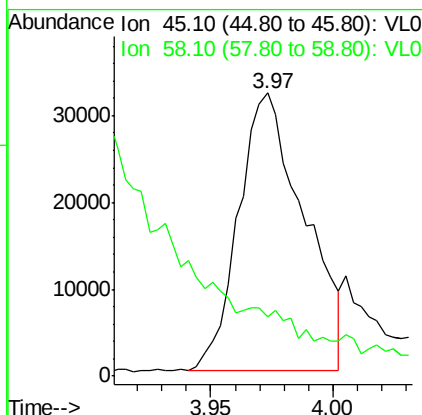
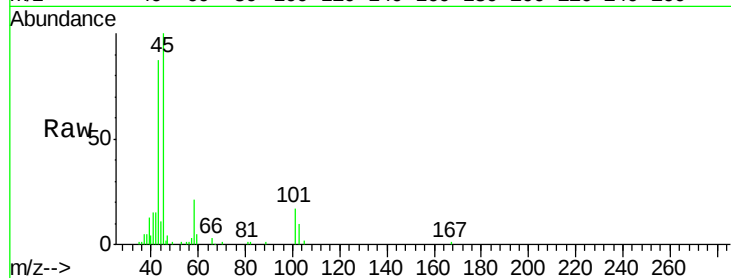
#19
Isopropyl Alcohol
Concen: 0.996 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.01 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion: 45 Resp: 59792
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.8#

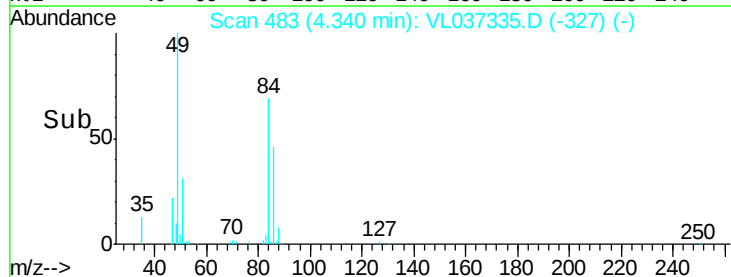
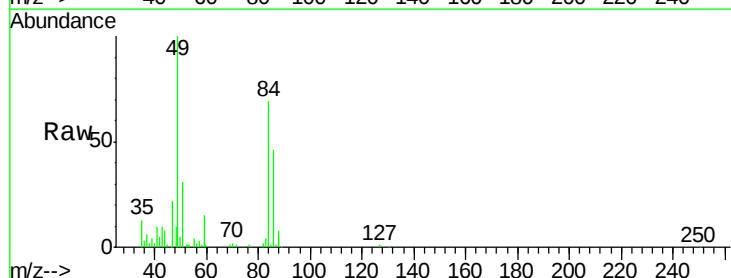
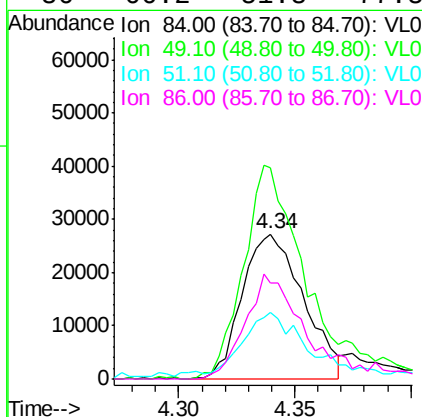
Manual Integrations
APPROVED

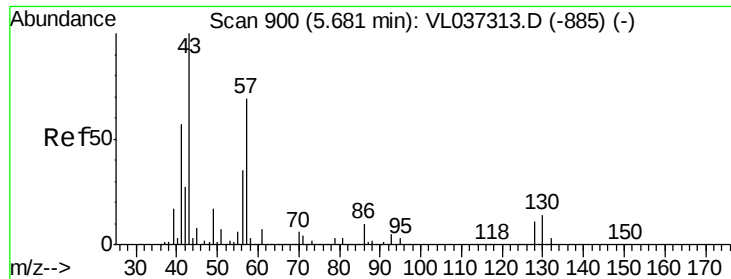
MMDadoda
8/5/2021 1:41:27 PM



#20
Methylene Chloride
Concen: 0.558 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.00 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Tgt Ion: 84 Resp: 50131
Ion Ratio Lower Upper
84 100
49 144.0 110.4 165.6
51 41.3 35.8 53.6
86 66.2 51.8 77.8





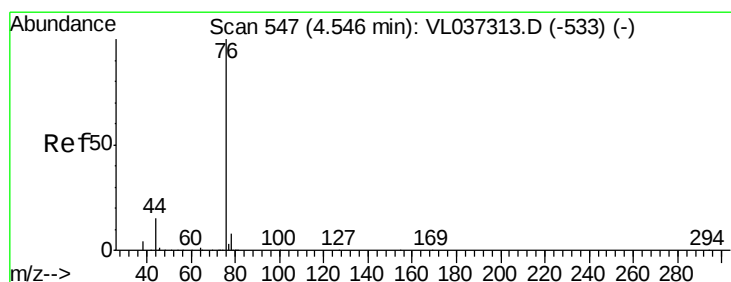
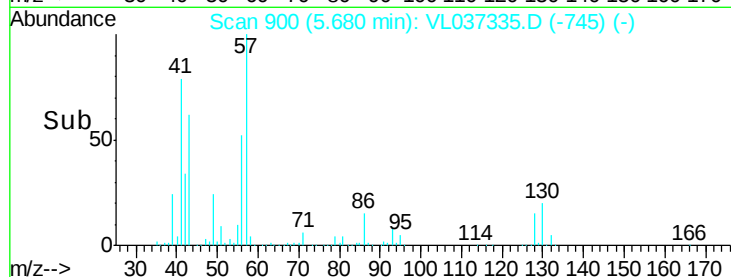
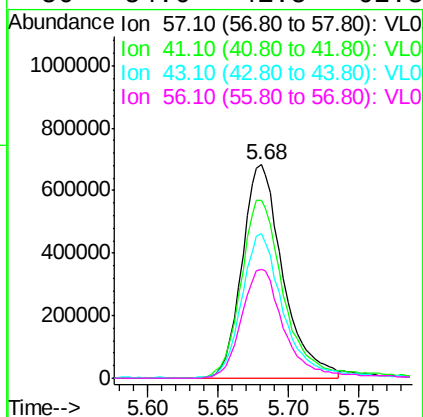
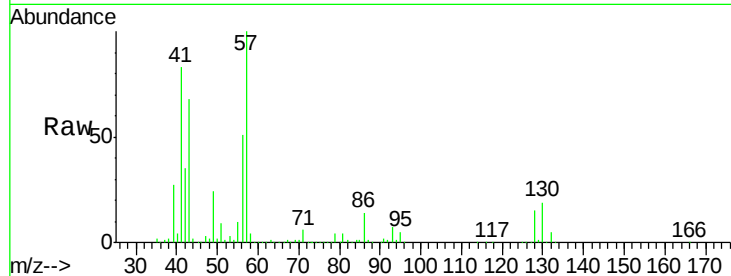
#26
Hexane
Concen: 8.761 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion	57	Resp	1383335
Ion	Ratio	Lower	Upper
57	100		
41	90.3	67.5	101.3
43	70.2	163.0	244.4#
56	54.6	41.5	62.3

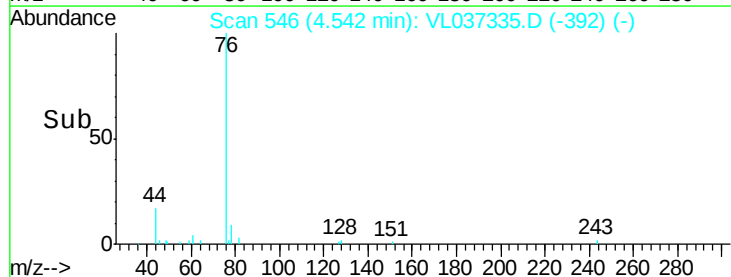
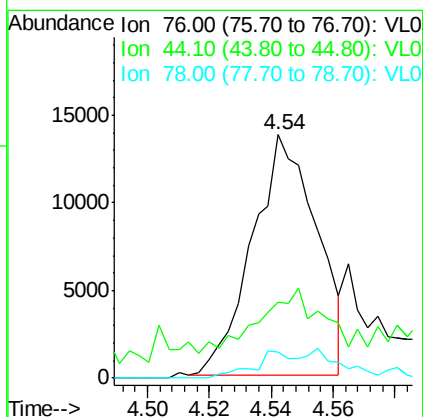
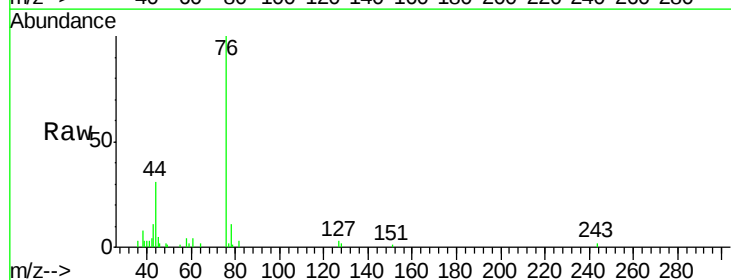
Manual Integrations
APPROVED

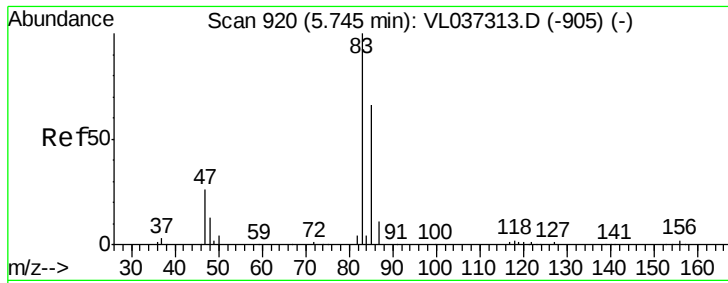
MMDadoda
8/5/2021 1:41:27 PM



#27
Carbon Disulfide
Concen: 0.154 ppbv
RT: 4.54 min Scan# 546
Delta R.T. -0.00 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Tgt Ion	76	Resp	19817
Ion	Ratio	Lower	Upper
76	100		
44	52.9	13.1	19.7#
78	0.0	8.0	12.0#





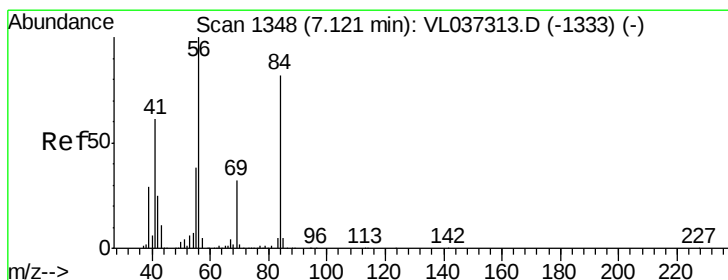
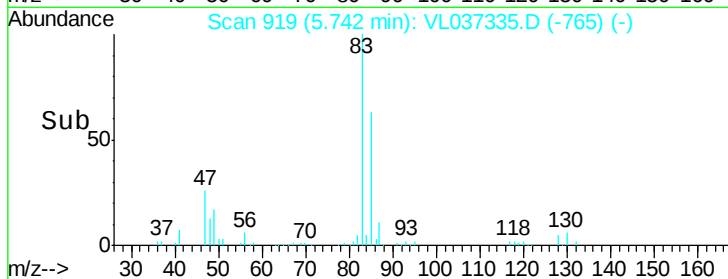
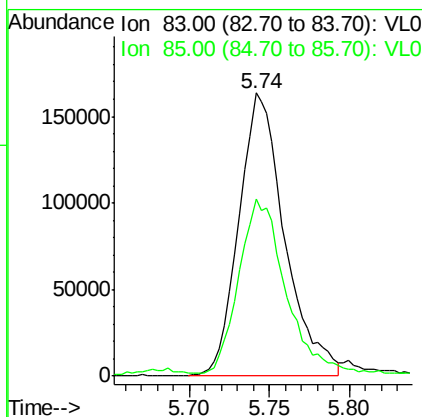
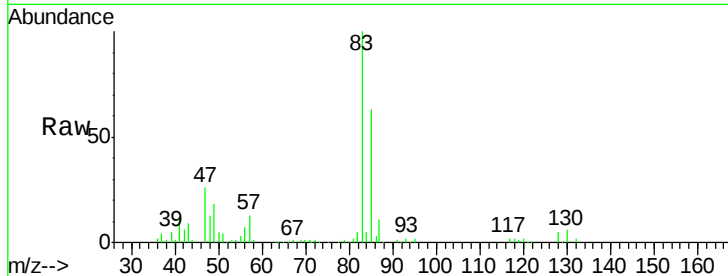
#29
Chloroform
Concen: 1.604 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.00 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tot Ion	83	Resp	320800
Ion Ratio	100	Lower	Upper
85	61.8	52.6	79.0

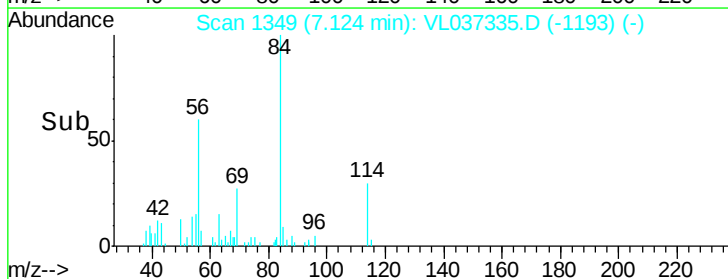
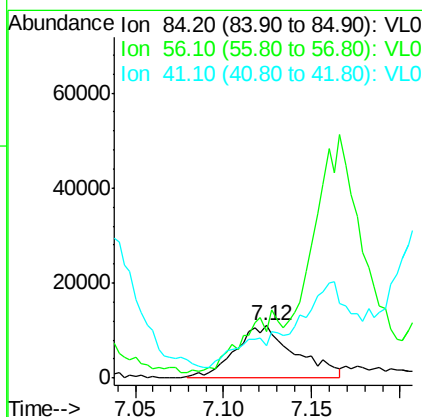
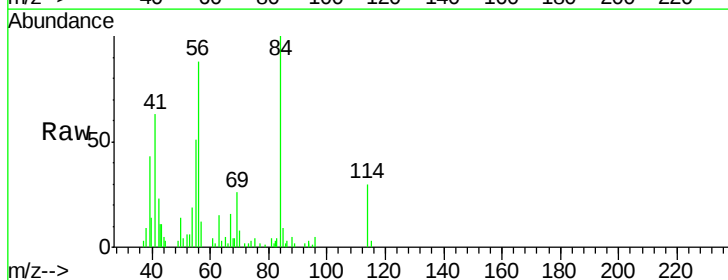
Manual Integrations
APPROVED

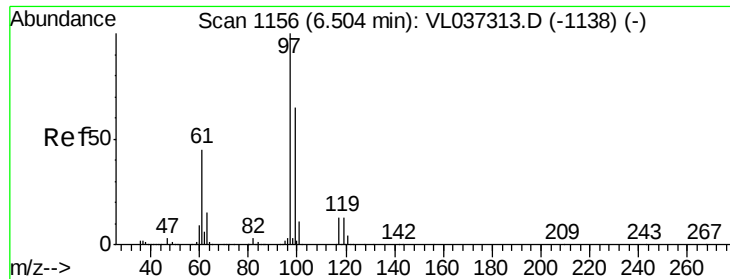
MMDadoda
8/5/2021 1:41:27 PM



#30
Cyclohexane
Concen: 0.213 ppbv m
RT: 7.12 min Scan# 1349
Delta R.T. 0.00 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Tgt Ion	84	Resp	25957
Ion Ratio	100	Lower	Upper
56	0.0	105.2	157.8#
41	0.0	61.3	91.9#





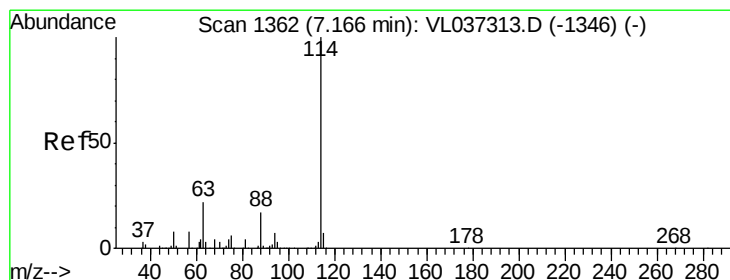
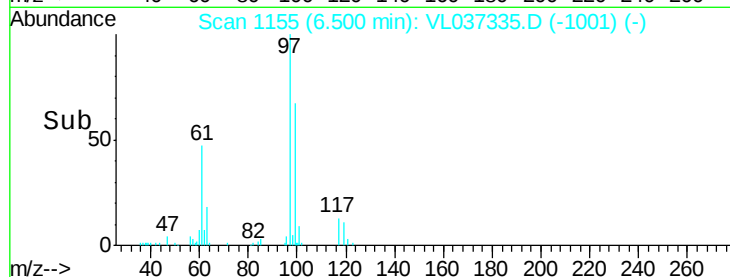
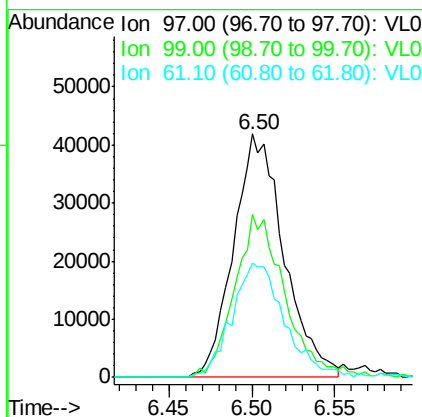
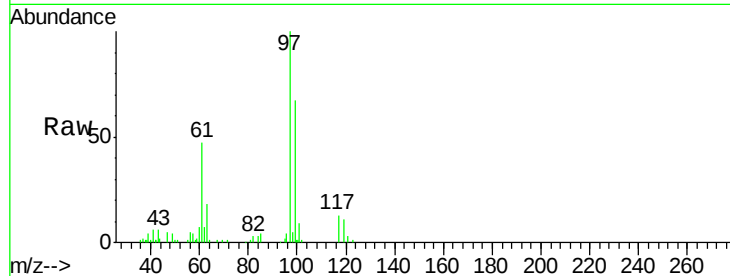
#32
 1,1,1-Trichloroethane
 Concen: 0.466 ppbv
 RT: 6.50 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VL037335.D
 Acq: 5 Aug 2021 9:17

Instrument :
 MSVOA_L
 ClientSampled :
 SV1

Tot Ion	Ratio	Lower	Upper
97	100		
99	67.0	52.3	78.5
61	49.1	37.2	55.8

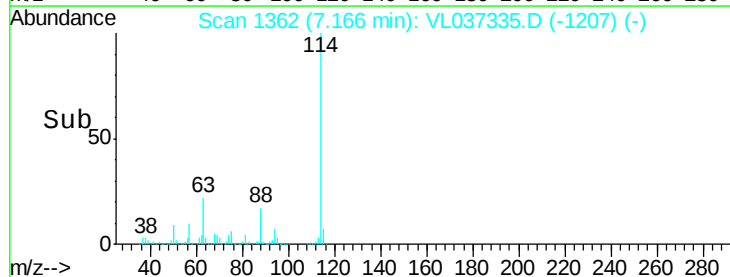
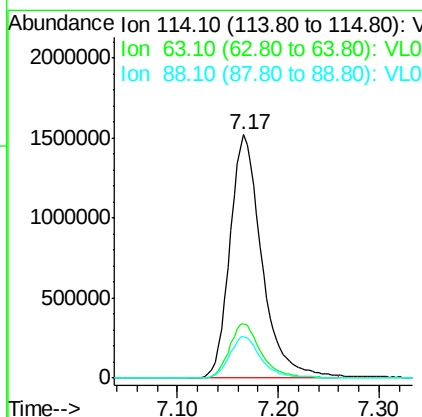
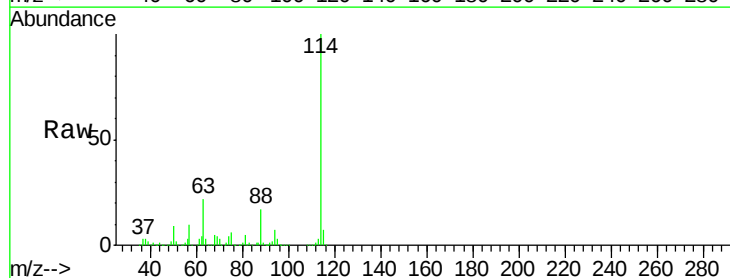
Manual Integrations
 APPROVED

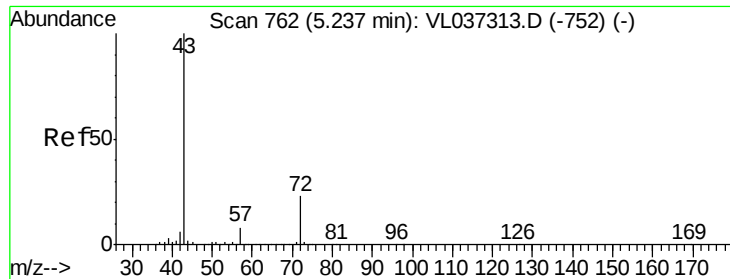
MMDadoda
 8/5/2021 1:41:27 PM



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VL037335.D
 Acq: 5 Aug 2021 9:17

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	18.1	27.1
88	17.2	13.8	20.8





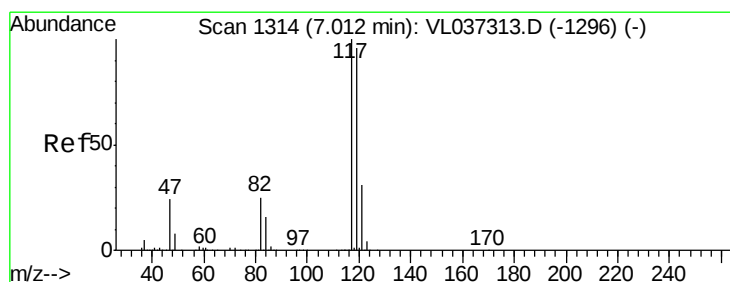
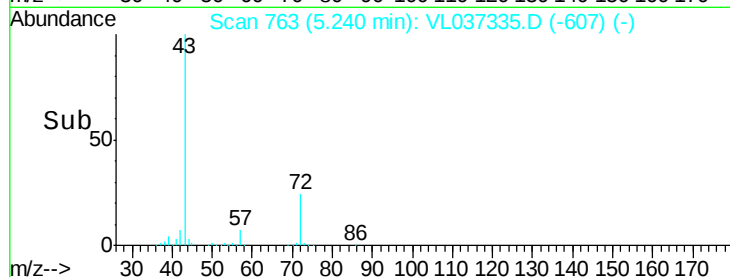
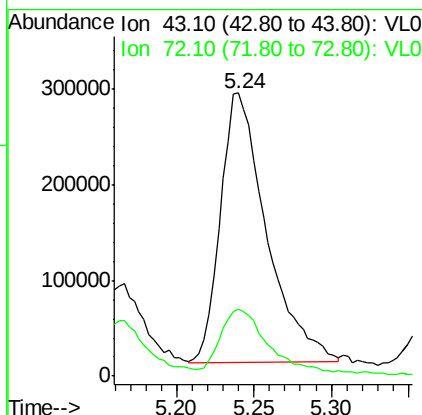
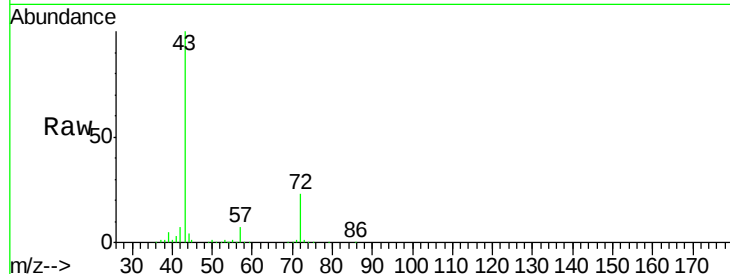
#34
2-Butanone
Concen: 5.000 ppbv
RT: 5.24 min Scan# 763
Delta R.T. 0.00 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tot Ion	Ratio	Lower	Upper
43	100		
72	28.2	20.3	30.5

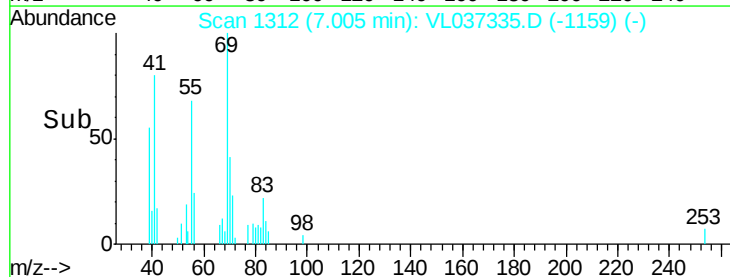
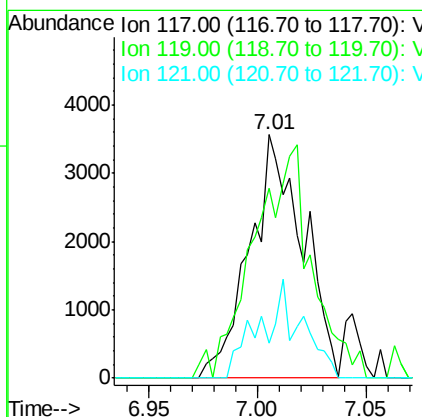
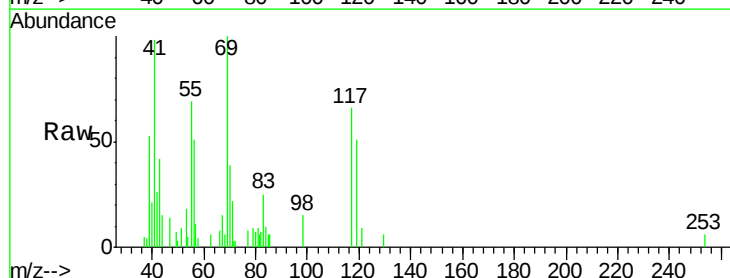
Manual Integrations
APPROVED

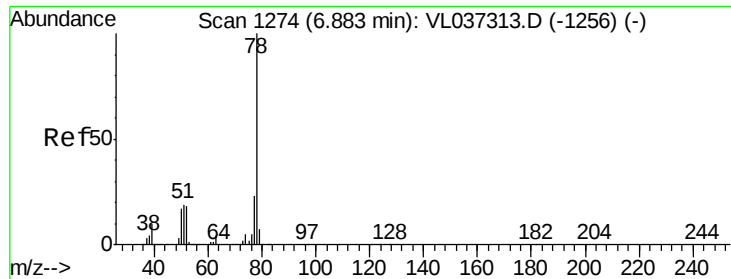
MMDadoda
8/5/2021 1:41:27 PM



#35
Carbon Tetrachloride
Concen: 0.030 ppbv m
RT: 7.01 min Scan# 1312
Delta R.T. -0.01 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	78.1	76.6	114.8
121	14.3	24.9	37.3#





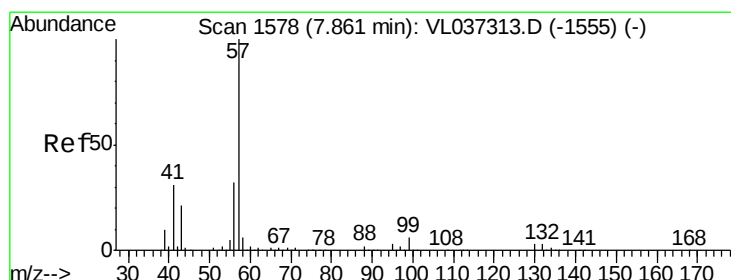
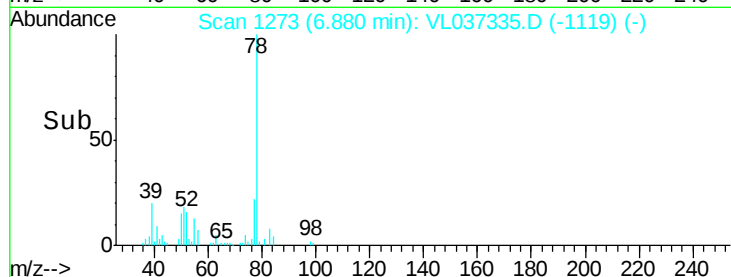
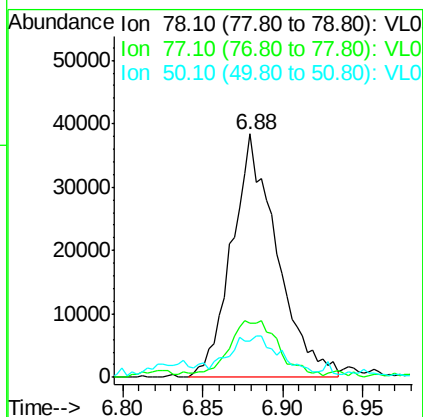
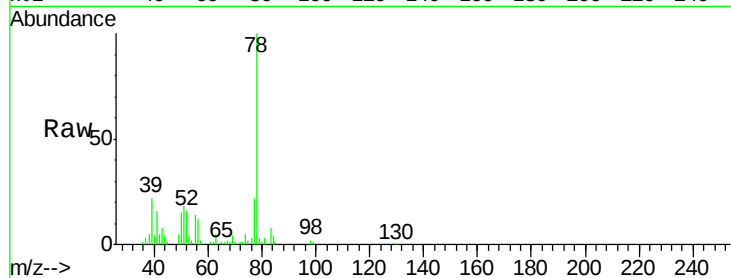
#36
Benzene
Concen: 0.245 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion	Ratio	Lower	Upper
78	100		
77	20.4	18.7	28.1
50	13.6	13.7	20.5#

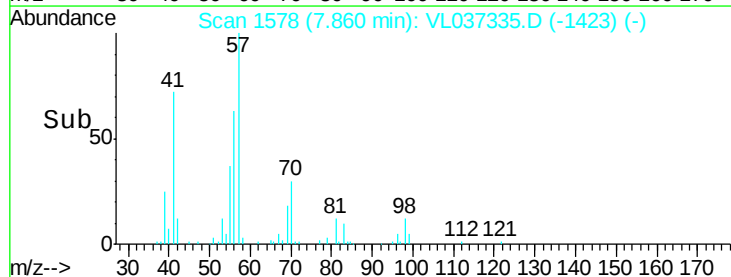
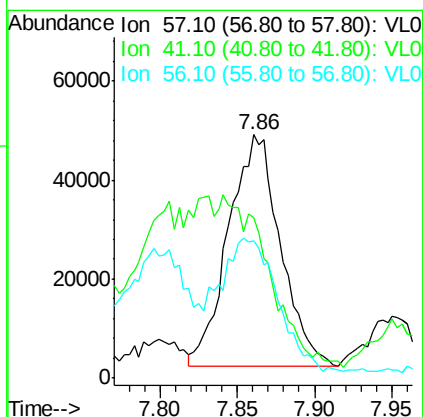
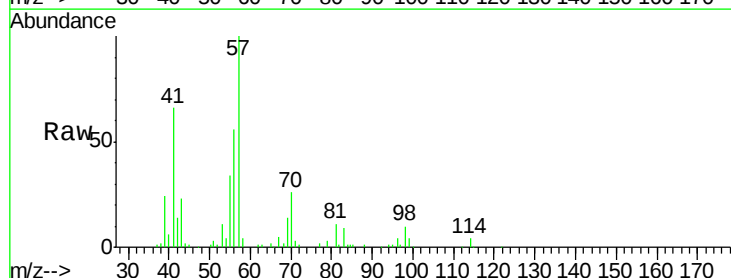
Manual Integrations
APPROVED

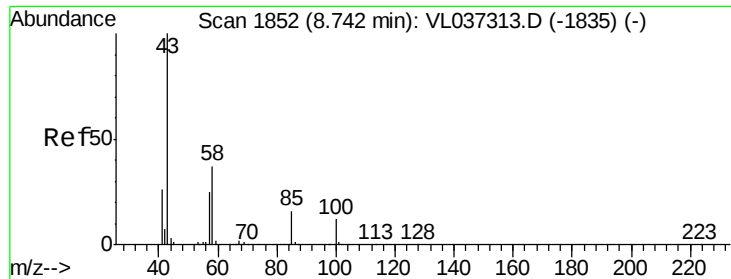
MMDadoda
8/5/2021 1:41:27 PM



#44
2,2,4-Trimethylpentane
Concen: 0.219 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Tgt Ion	Ratio	Lower	Upper
57	100		
41	165.2	24.3	36.5#
56	69.7	25.0	37.6#





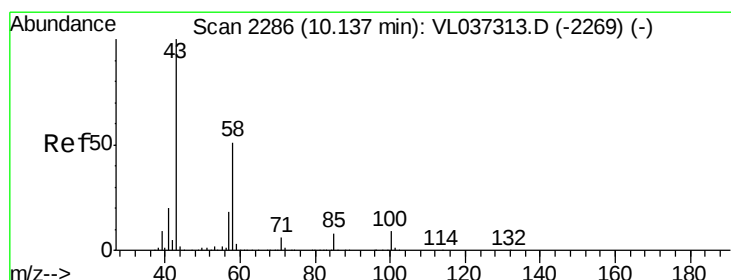
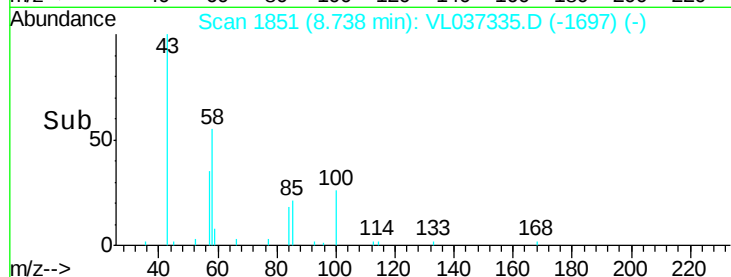
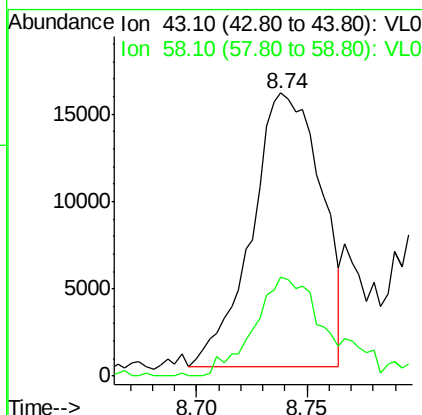
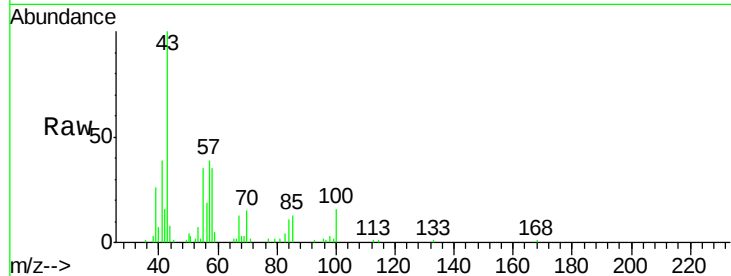
#50
4-Methyl-2-Pentanone
Concen: 0.192 ppbv
RT: 8.74 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion	43	Resp	34316
Ion Ratio	Lower	Upper	
43	100		
58	39.6	31.0	46.4

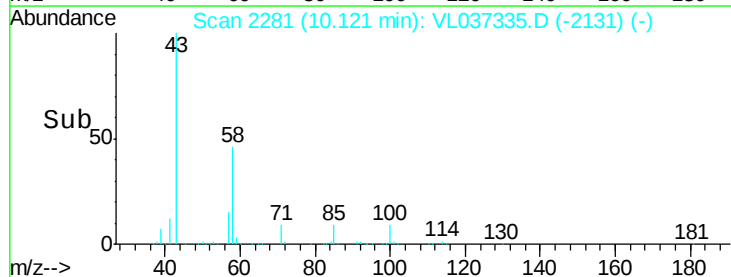
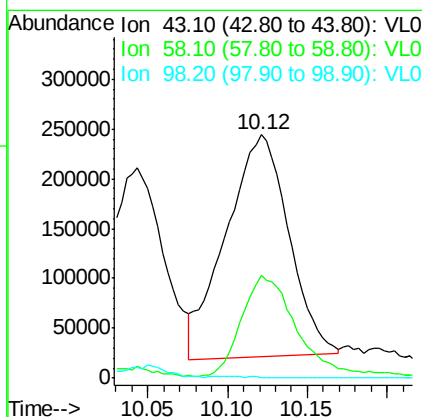
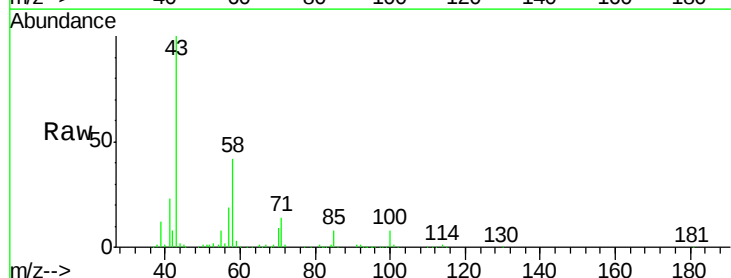
Manual Integrations
APPROVED

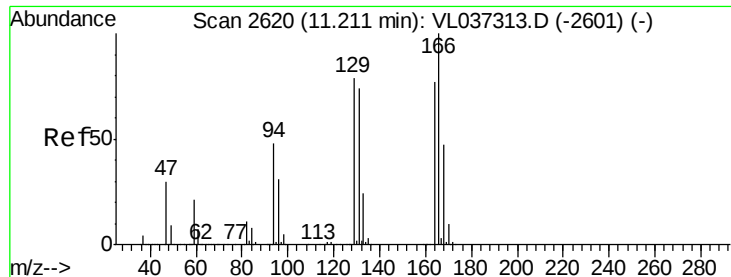
MMDadoda
8/5/2021 1:41:27 PM



#51
2-Hexanone
Concen: 7.438 ppbv
RT: 10.12 min Scan# 2281
Delta R.T. -0.02 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Tgt Ion	43	Resp	603537
Ion Ratio	Lower	Upper	
43	100		
58	41.0	40.9	61.3
98	0.0	0.1	0.1#





#52

Tetrachloroethene

Concen: 0.539 ppbv m

RT: 11.21 min Scan# 2620

Delta R.T. -0.00 min

Lab File: VL037335.D

Acq: 5 Aug 2021 9:17

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tot Ion:164 Resp: 70213

Ion Ratio Lower Upper

164 100

166 131.1 103.4 155.2

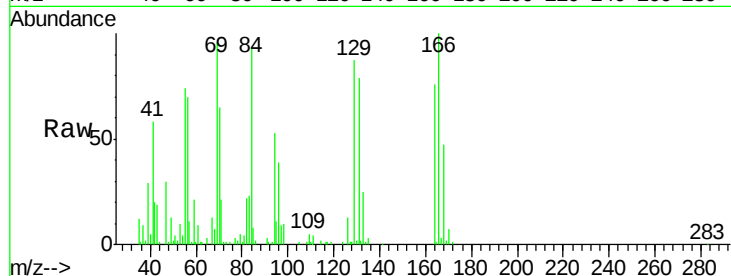
129 114.4 82.2 123.2

131 104.0 76.6 114.8

Manual Integrations
APPROVED

MMDadoda

8/5/2021 1:41:27 PM

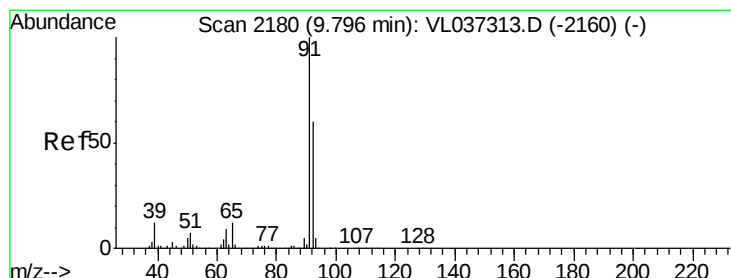
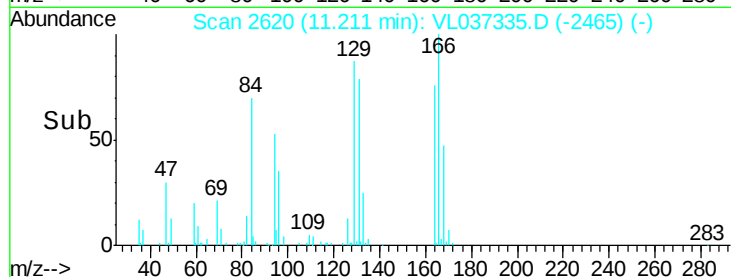
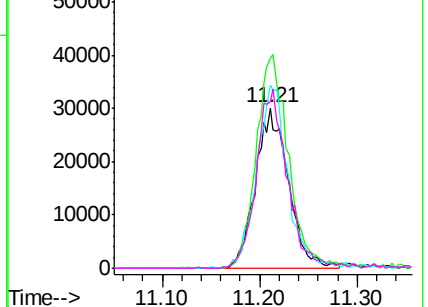


Abundance Ion 163.90 (163.60 to 164.60): V

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: 6.797 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL037335.D

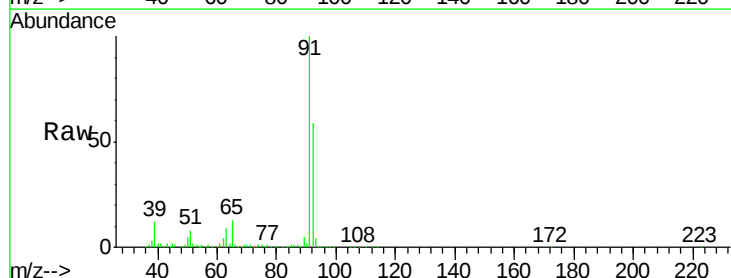
Acq: 5 Aug 2021 9:17

Tgt Ion: 91 Resp: 2425322

Ion Ratio Lower Upper

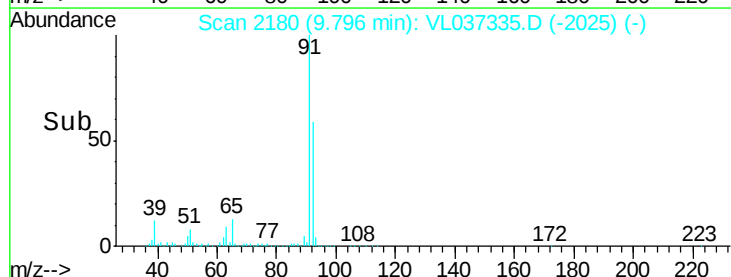
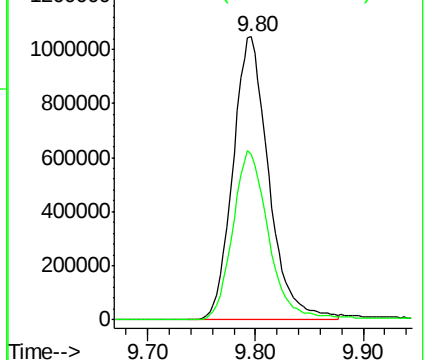
91 100

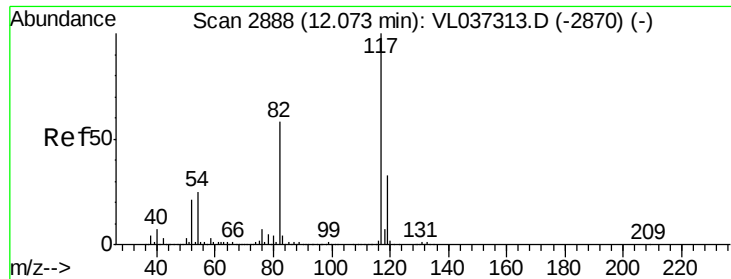
92 60.8 48.8 73.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





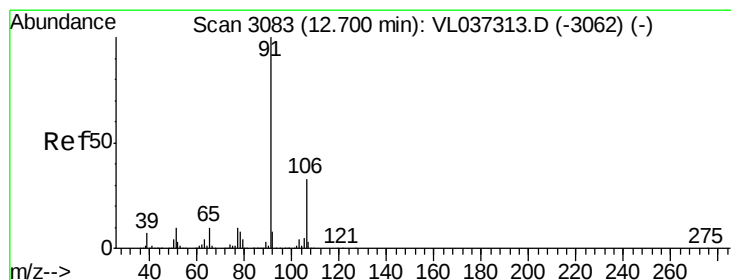
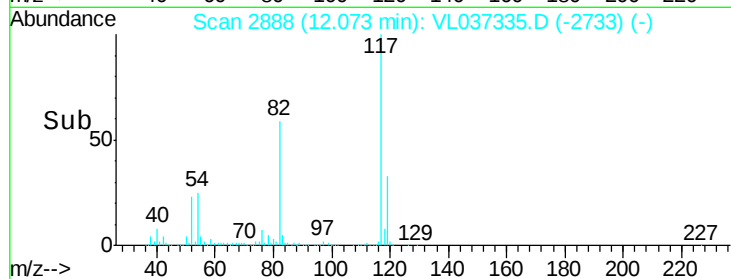
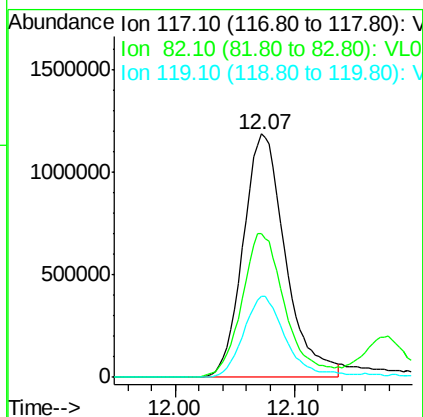
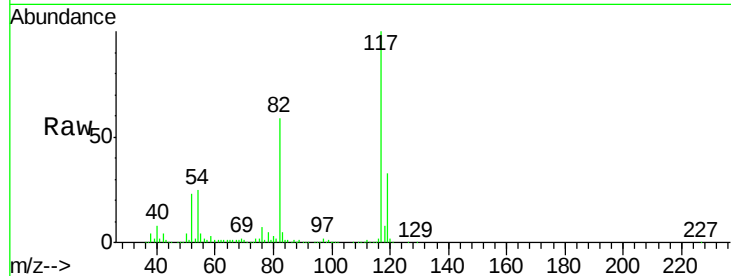
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.00 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.0	50.3	75.5
119	36.2	48.2	72.2#

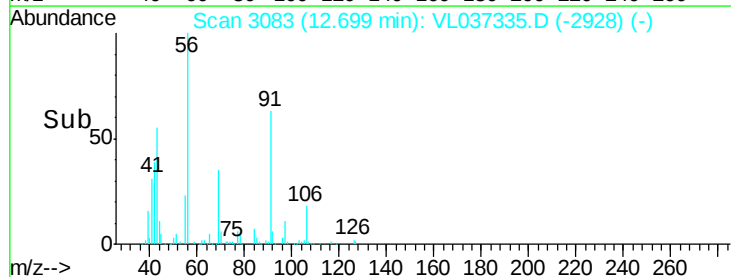
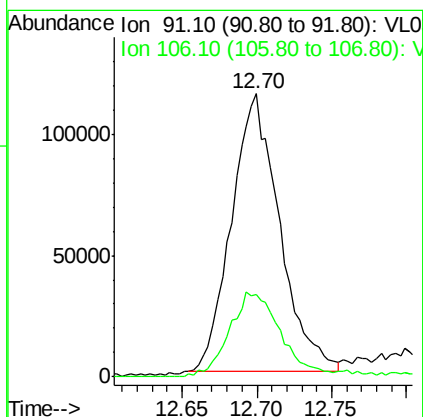
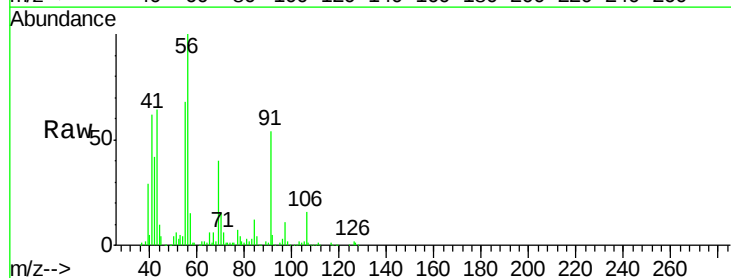
Manual Integrations
APPROVED

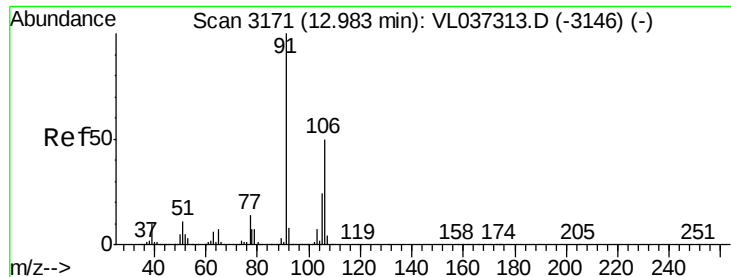
MMDadoda
8/5/2021 1:41:27 PM



#58
Ethyl Benzene
Concen: 0.595 ppbv
RT: 12.70 min Scan# 3083
Delta R.T. -0.00 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.7	26.2	39.2





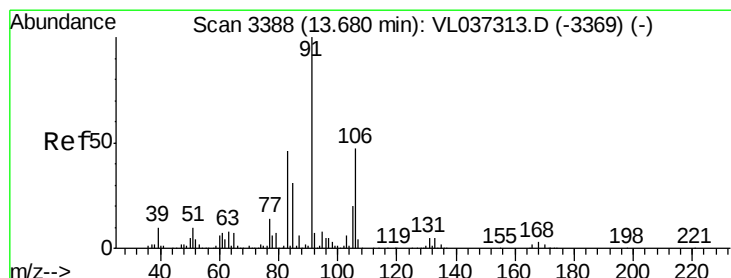
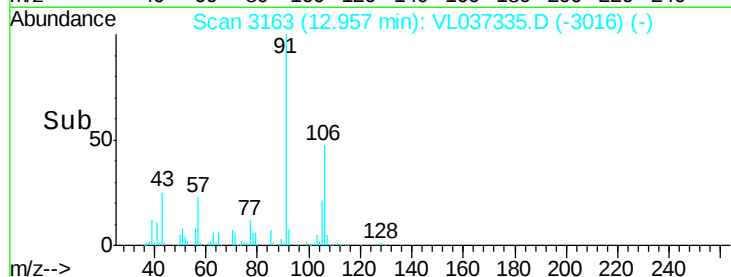
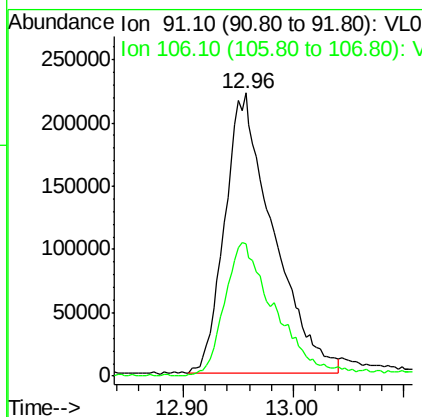
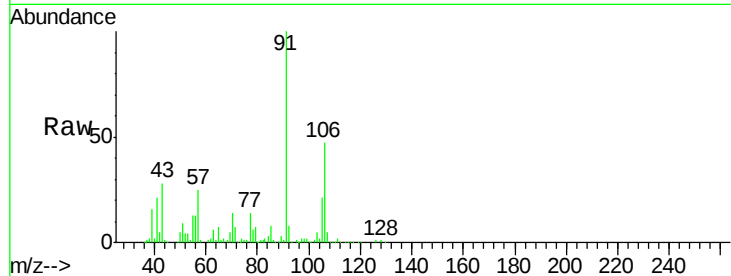
#59
m/p-Xylene
Concen: 1.857 ppbv
RT: 12.96 min Scan# 3163
Delta R.T. -0.03 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion	91	Resp	670899
Ion Ratio	Lower	Upper	
91	100		
106	51.8	37.8	56.8

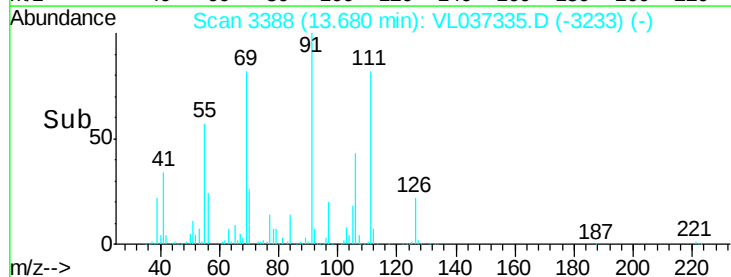
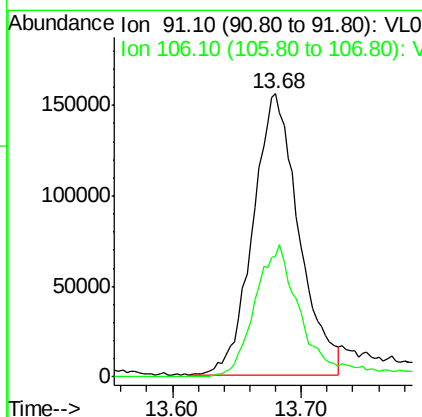
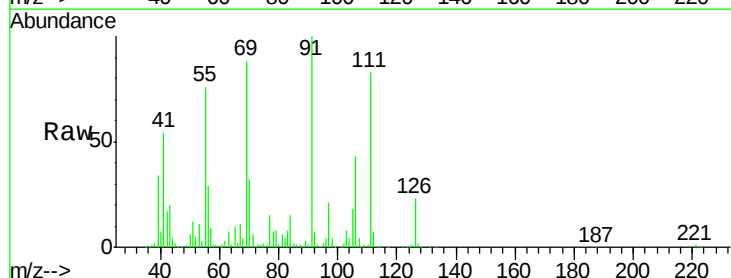
Manual Integrations
APPROVED

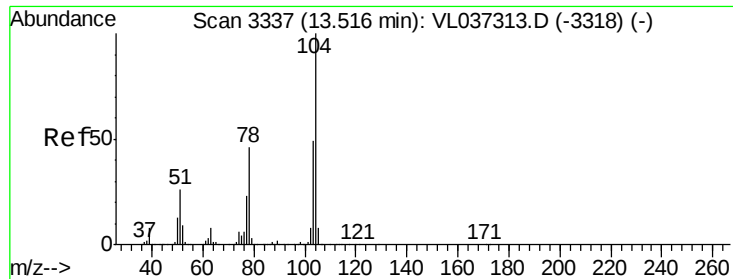
MMDadoda
8/5/2021 1:41:27 PM



#60
o-Xylene
Concen: 1.180 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.00 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Tgt Ion	91	Resp	387279
Ion Ratio	Lower	Upper	
91	100		
106	50.6	26.3	78.8





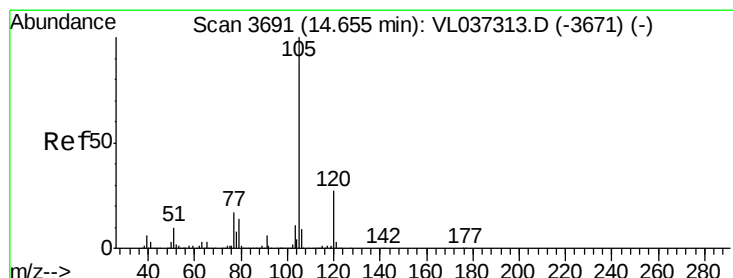
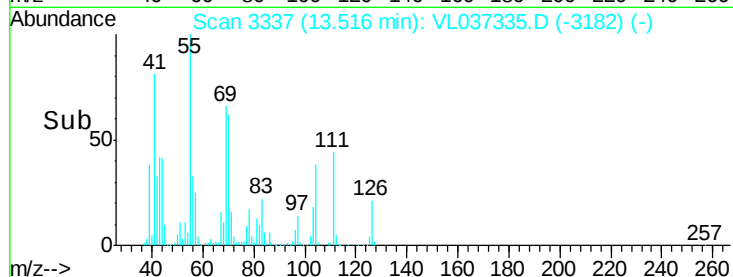
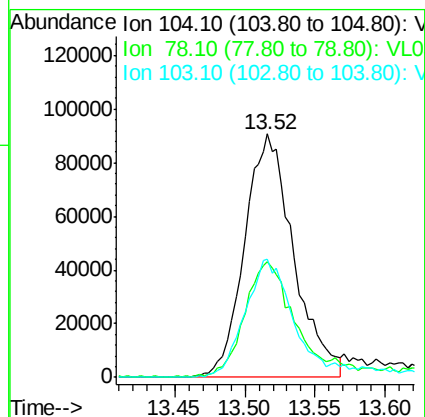
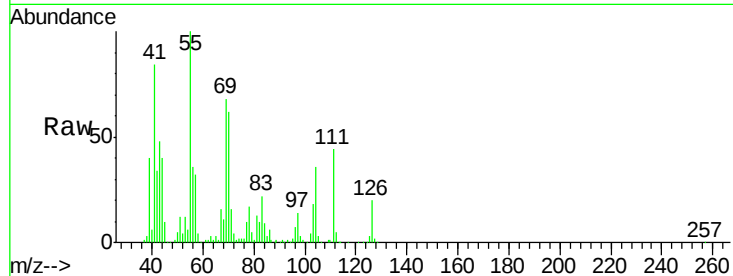
#61
Stvrene
Concen: 1.222 ppbv
RT: 13.52 min Scan# 3337
Delta R.T. -0.00 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.7	39.3	58.9
103	52.1	40.6	60.8

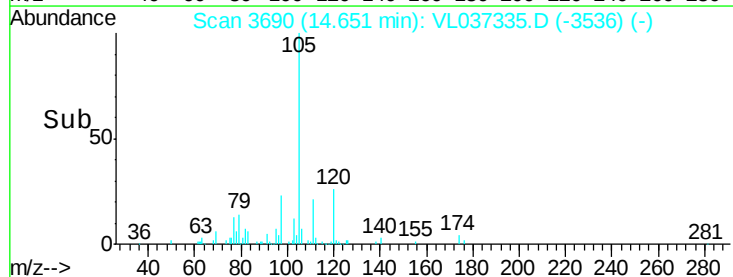
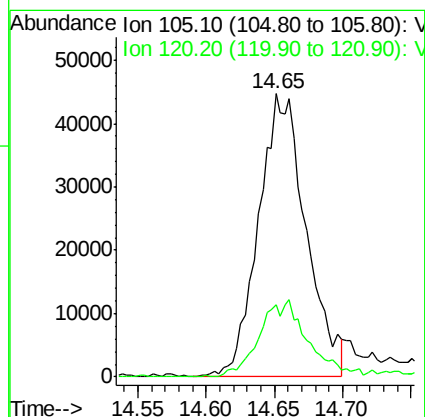
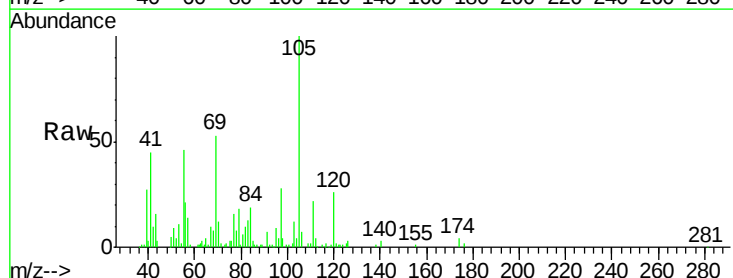
Manual Integrations
APPROVED

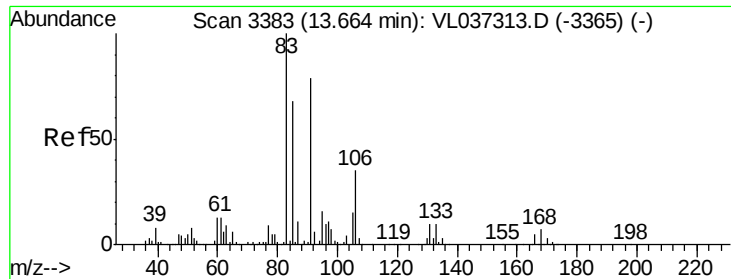
MMDadoda
8/5/2021 1:41:27 PM



#62
Isopropylbenzene
Concen: 0.227 ppbv m
RT: 14.65 min Scan# 3690
Delta R.T. -0.00 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.0	34.6#





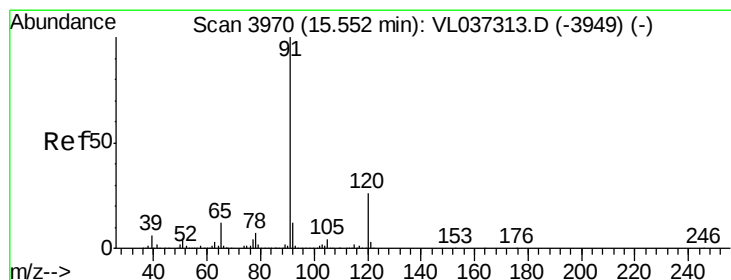
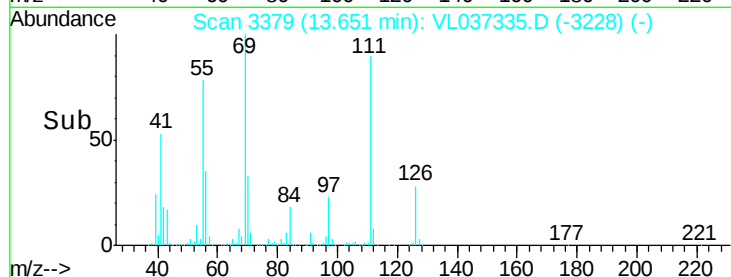
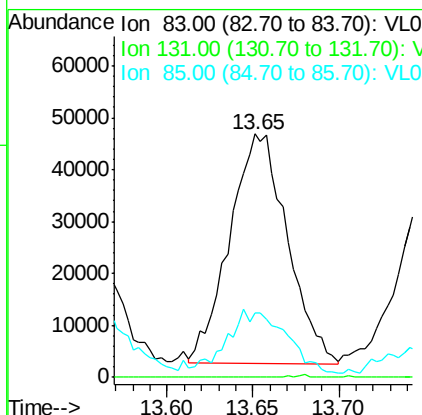
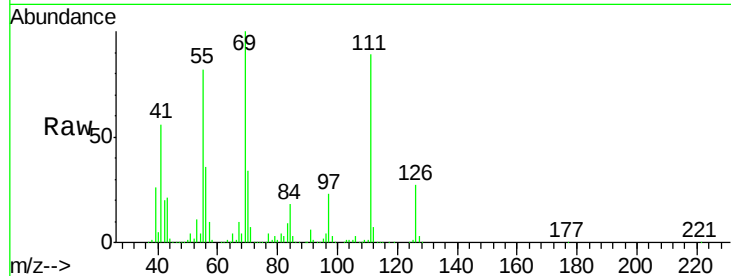
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.432 ppbv
 RT: 13.65 min Scan# 3379
 Delta R.T. -0.01 min
 Lab File: VL037335.D
 Acq: 5 Aug 2021 9:17

Instrument :
 MSVOA_L
 ClientSampled :
 SV1

Tot Ion	83	Resp	103040
Ion Ratio	100	Lower	Upper
83	100		
131	0.2	5.1	15.4#
85	27.4	33.5	100.4#

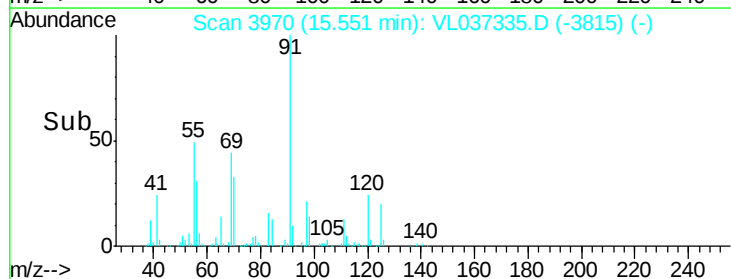
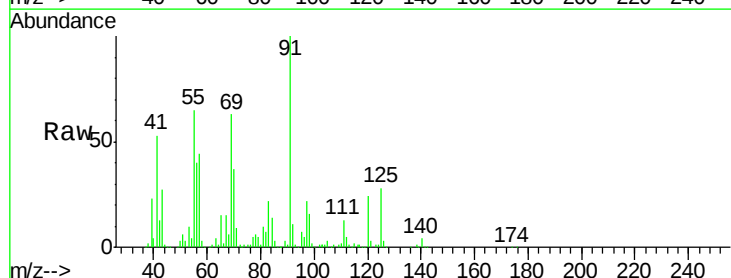
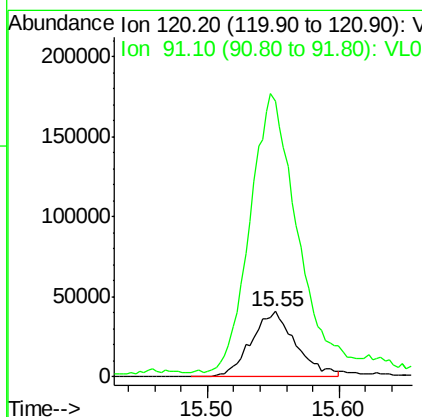
Manual Integrations
 APPROVED

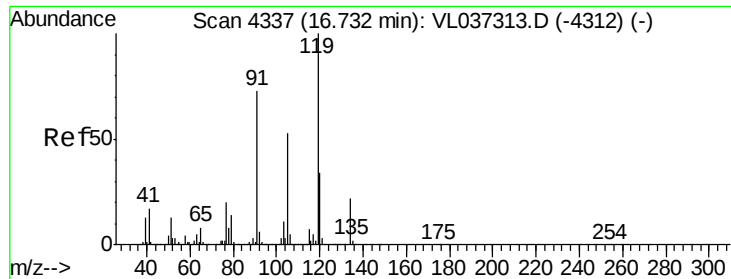
MMDadoda
 8/5/2021 1:41:27 PM



#64
 n-propylbenzene
 Concen: 0.776 ppbv m
 RT: 15.55 min Scan# 3970
 Delta R.T. -0.00 min
 Lab File: VL037335.D
 Acq: 5 Aug 2021 9:17

Tgt Ion	120	Resp	96717
Ion Ratio	100	Lower	Upper
120	100		
91	489.5	361.0	541.4





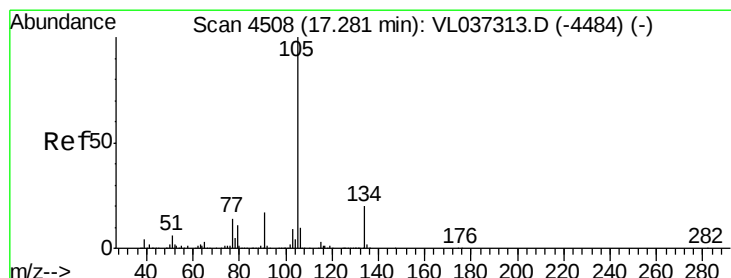
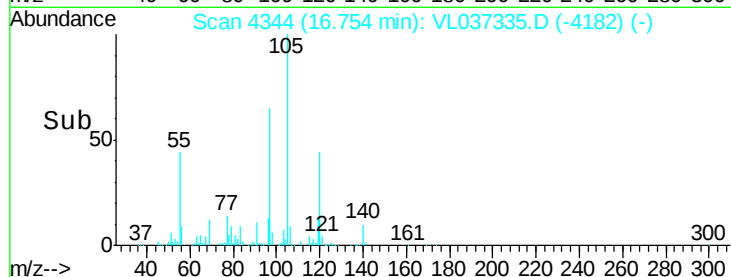
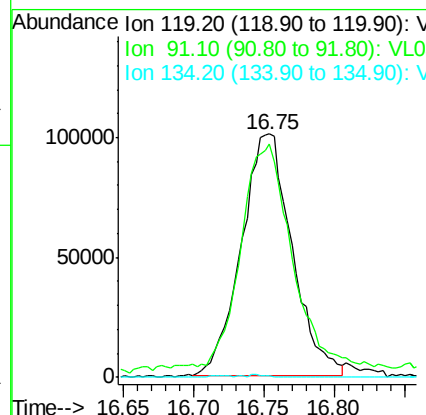
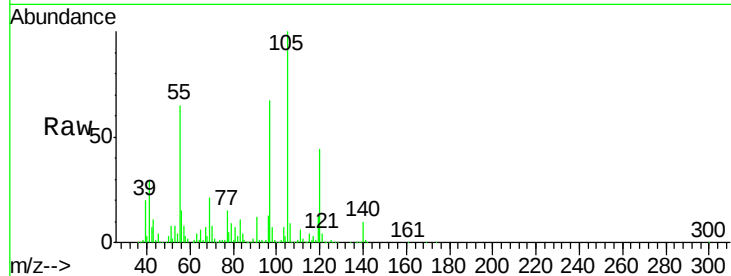
#65
tert-Butylbenzene
Concen: 0.579 ppbv
RT: 16.75 min Scan# 4344
Delta R.T. 0.02 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion	Ratio	Resp	Lower	Upper
119	100	254344		
91	102.2	58.6	88.0#	
134	0.9	16.5	24.7#	

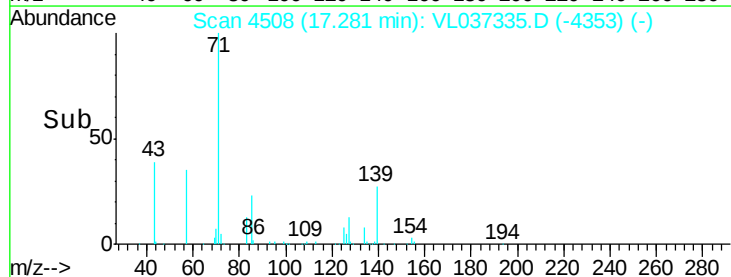
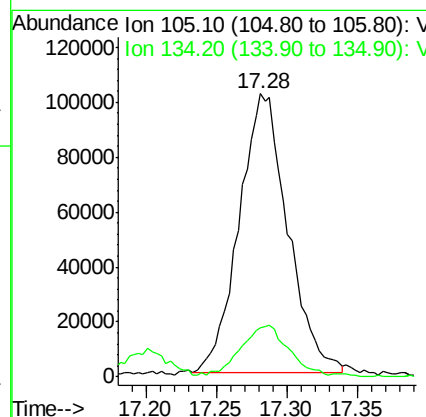
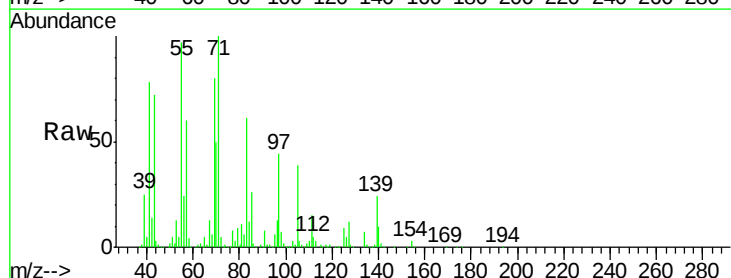
Manual Integrations
APPROVED

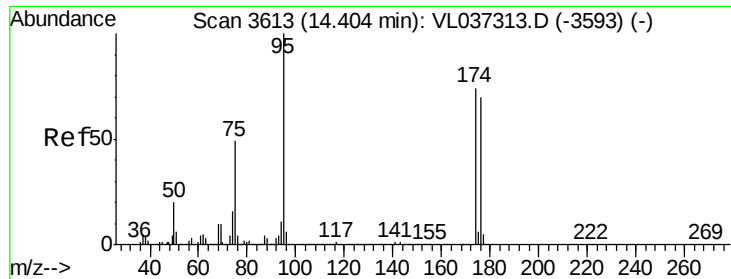
MMDadoda
8/5/2021 1:41:27 PM



#67
sec-Butylbenzene
Concen: 0.415 ppbv
RT: 17.28 min Scan# 4508
Delta R.T. -0.00 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	246102		
134	18.7	15.4	23.2	





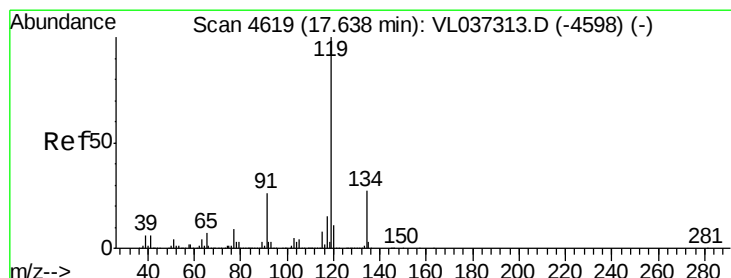
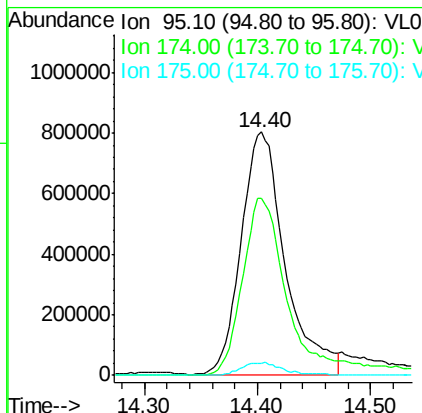
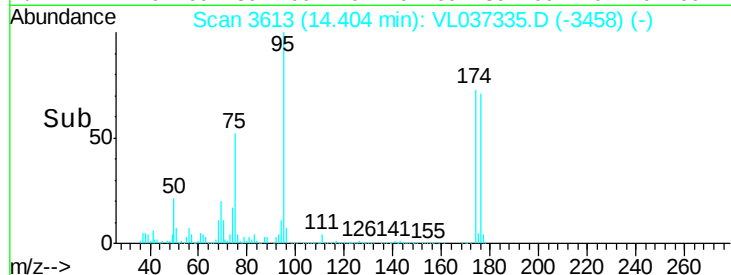
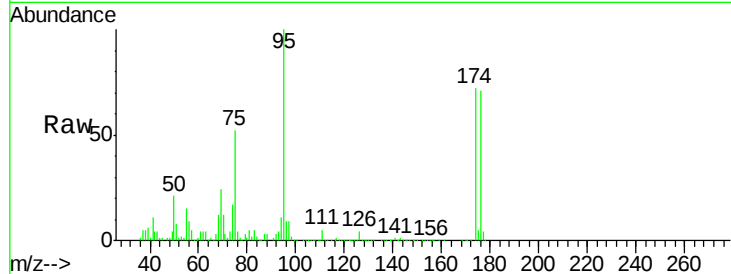
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.810 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T. -0.00 min
 Lab File: VL037335.D
 Acq: 5 Aug 2021 9:17

Instrument :
 MSVOA_L
 ClientSampleID :
 SV1

Tot Ion: 95 Resp: 2155740
 Ion Ratio Lower Upper
 95 100
 174 79.4 66.9 100.3
 175 5.4 5.1 7.7

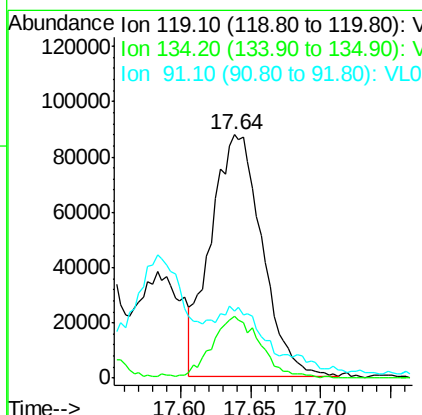
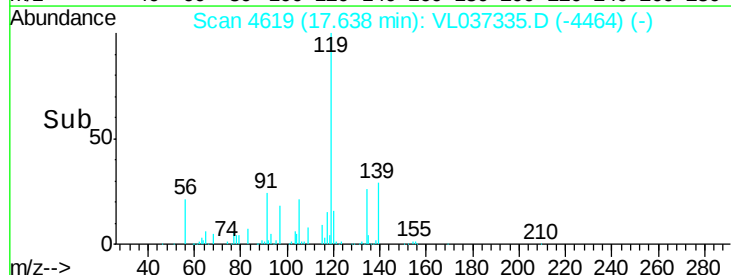
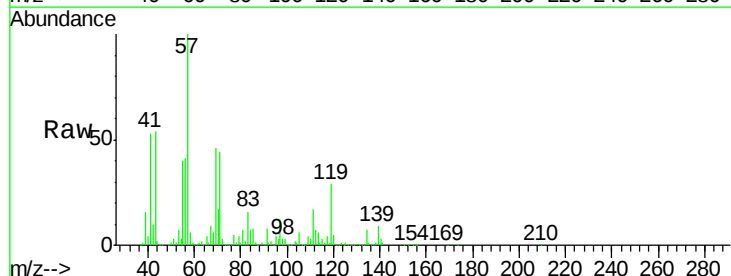
Manual Integrations
 APPROVED

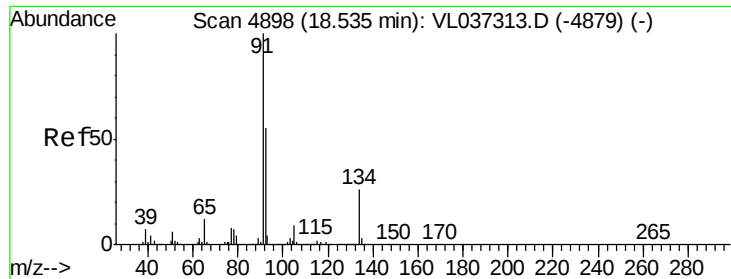
MMDadoda
 8/5/2021 1:41:27 PM



#69
 p-Isopropyltoluene
 Concen: 0.445 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. -0.00 min
 Lab File: VL037335.D
 Acq: 5 Aug 2021 9:17

Tgt Ion: 119 Resp: 222083
 Ion Ratio Lower Upper
 119 100
 134 24.7 21.0 31.6
 91 30.2 20.5 30.7





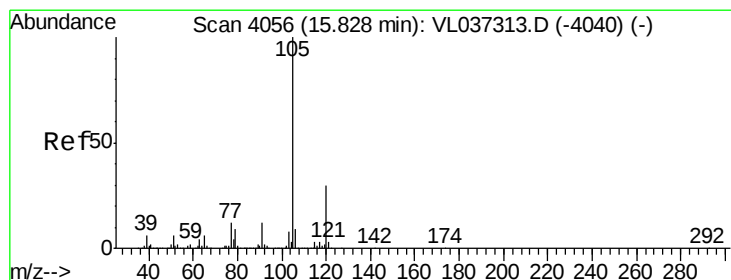
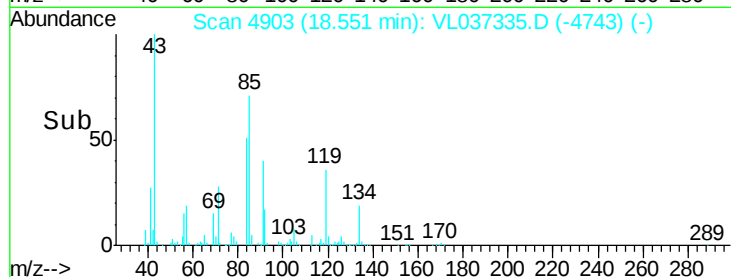
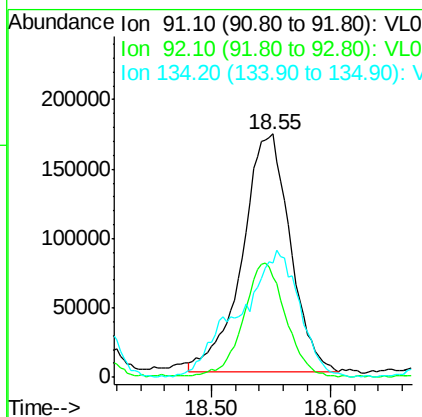
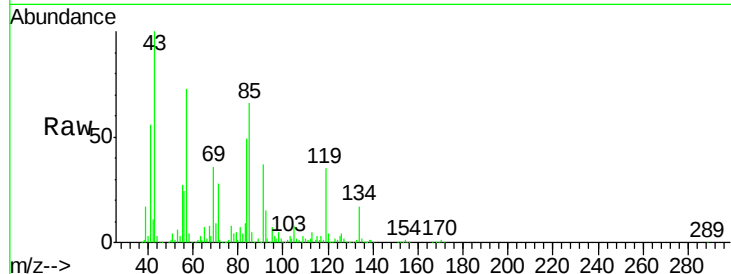
#70
n-Butylbenzene
Concen: 1.043 ppbv
RT: 18.55 min Scan# 4903
Delta R.T. 0.02 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tot Ion	Ratio	Lower	Upper
91	100		
92	41.8	44.1	66.1#
134	67.3	20.6	31.0#

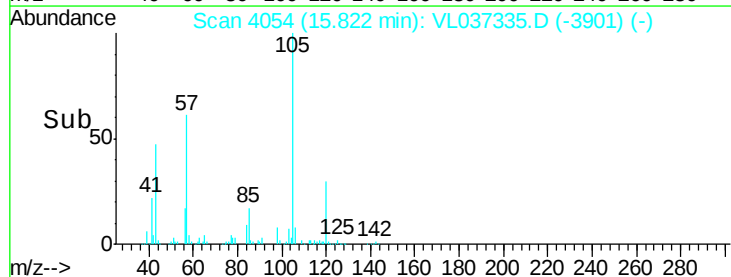
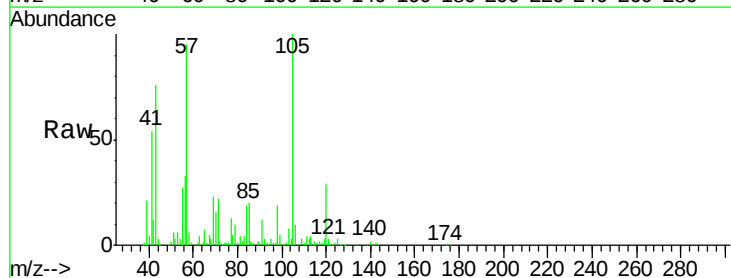
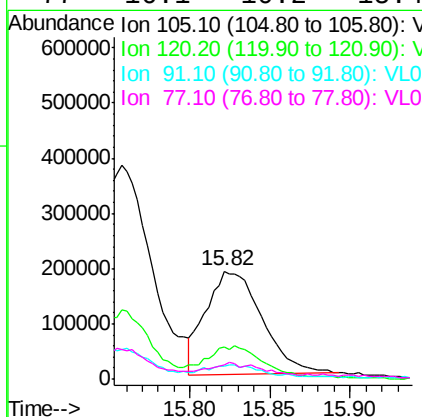
Manual Integrations
APPROVED

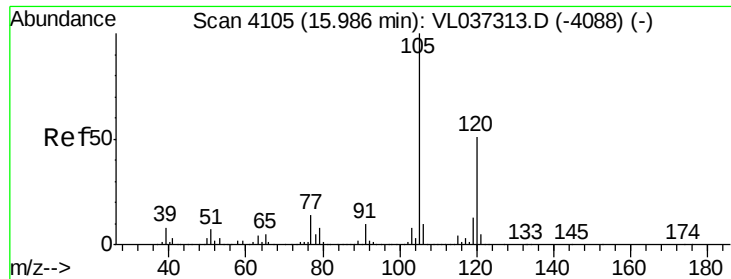
MMDadoda
8/5/2021 1:41:27 PM



#72
4-Ethyltoluene
Concen: 1.152 ppbv
RT: 15.82 min Scan# 4054
Delta R.T. -0.01 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	33.7	25.6	38.4
91	12.4	9.4	14.2
77	16.1	10.2	15.4#





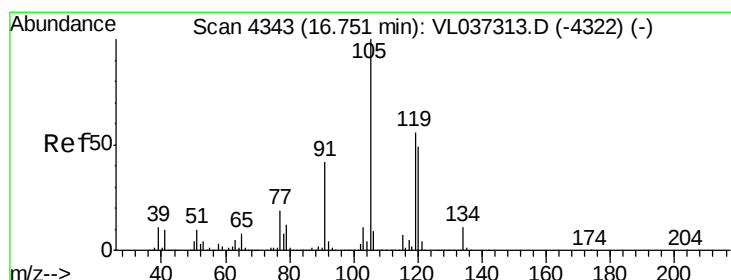
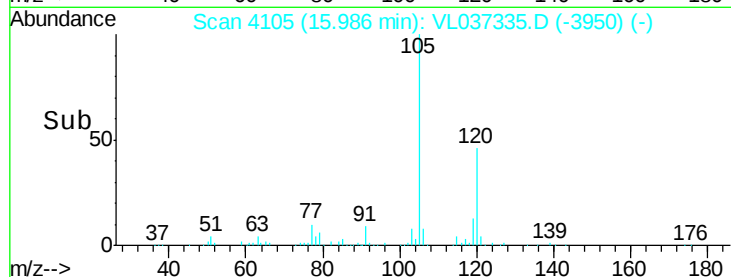
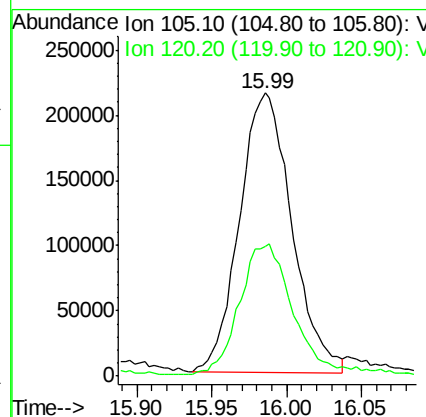
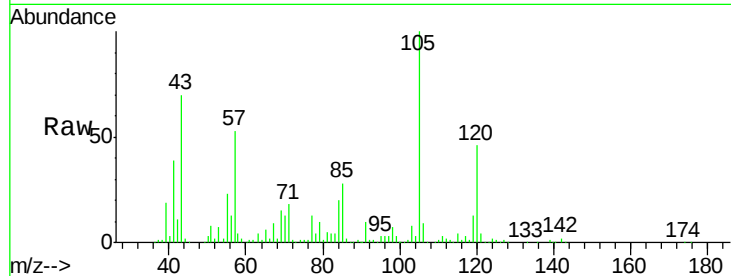
#73
 1,3,5-Trimethylbenzene
 Concen: 1.465 ppbv
 RT: 15.99 min Scan# 4105
 Delta R.T. -0.00 min
 Lab File: VL037335.D
 Acq: 5 Aug 2021 9:17

Instrument :
 MSVOA_L
 ClientSampled :
 SV1

Tot Ion:105 Resp: 522032
 Ion Ratio Lower Upper
 105 100
 120 45.7 40.4 60.6

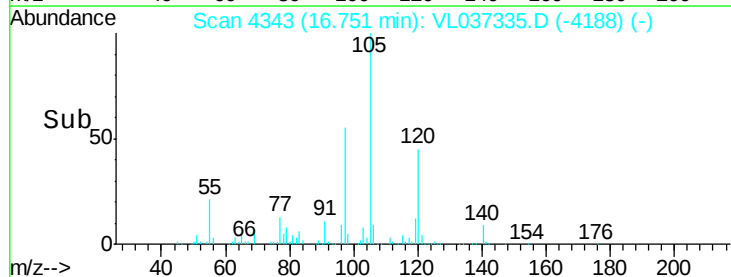
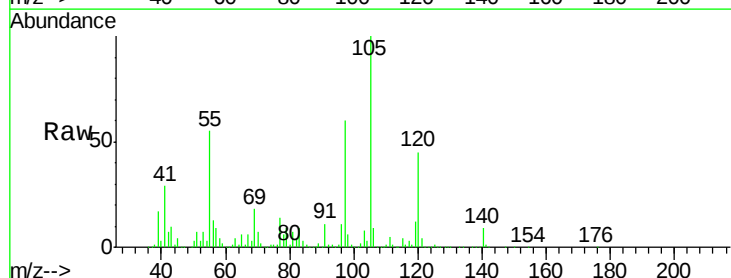
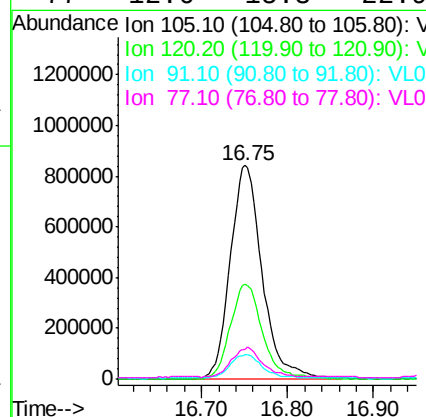
Manual Integrations
 APPROVED

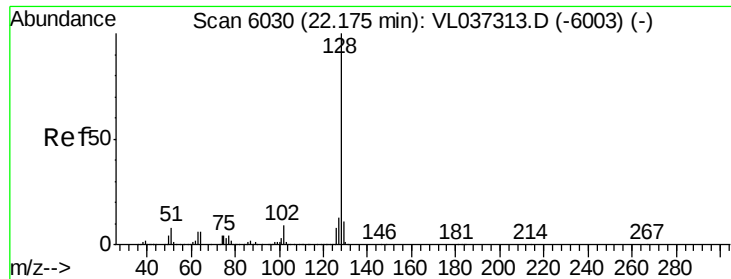
MMDadoda
 8/5/2021 1:41:27 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 5.687 ppbv
 RT: 16.75 min Scan# 4343
 Delta R.T. -0.00 min
 Lab File: VL037335.D
 Acq: 5 Aug 2021 9:17

Tgt Ion:105 Resp: 2162194
 Ion Ratio Lower Upper
 105 100
 120 44.6 39.6 59.4
 91 10.7 34.5 51.7#
 77 12.6 15.3 22.9#





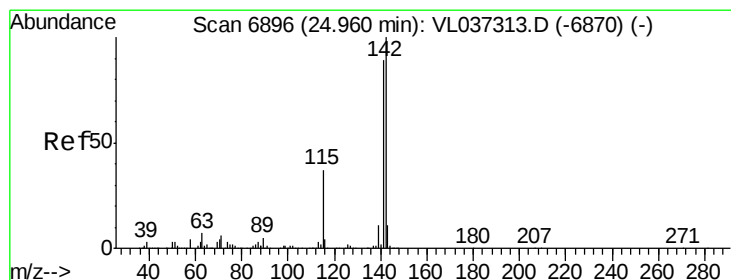
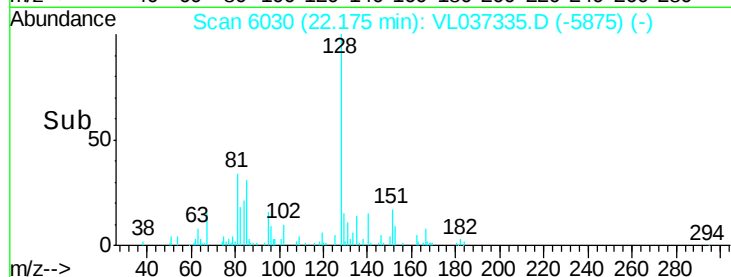
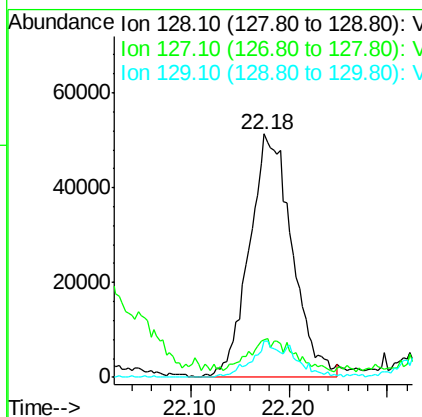
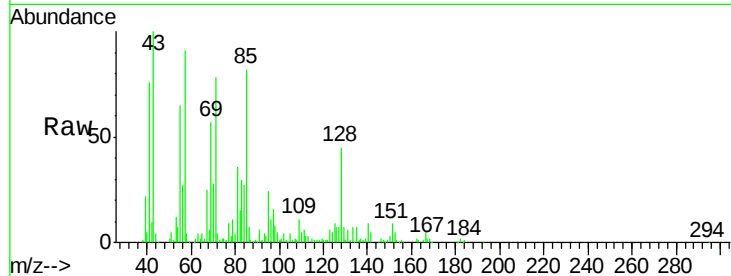
#79
Naphthalene
Concen: 0.445 ppbv m
RT: 22.18 min Scan# 6030
Delta R.T. -0.00 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion	Ratio	Resp	Lower	Upper
128	100	155224		
127	15.6	10.3	15.5#	
129	14.9	8.6	12.8#	

Manual Integrations
APPROVED

MMDadoda
8/5/2021 1:41:27 PM



#80
Naphthalene, 2-methyl-
Concen: 0.216 ppbv m
RT: 24.96 min Scan# 6897
Delta R.T. 0.00 min
Lab File: VL037335.D
Acq: 5 Aug 2021 9:17

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	12238		
141	72.9	67.2	100.8	
115	32.9	27.9	41.9	

