

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037328.D
 Acq On : 5 Aug 2021 4:44
 Operator : SY/AP
 Sample : M3211-06
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Manual Integrations
 APPROVED

MMDadoda
 8/5/2021 1:40:47 PM

Quant Time: Aug 05 08:26:13 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 04
 QLast Update : Wed Aug 04 22:53:01 2021
 Response via : Initial Calibration

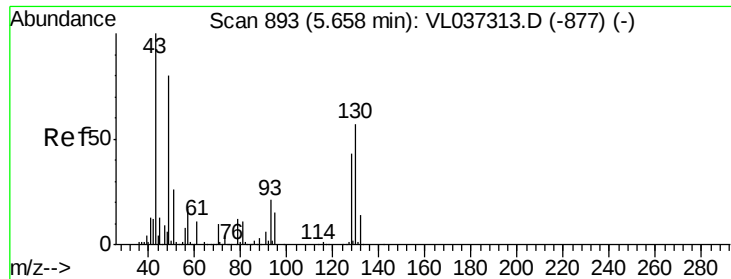
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1074299	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3460588	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2956746	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2007334	9.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	32969m	0.151	ppbv	
3) Chlorodifluoromethane	2.96	51	175884	0.805	ppbv #	75
4) Chloromethane	3.13	50	46156	0.590	ppbv	100
9) Propene	3.02	41	551282	6.980	ppbv #	62
10) Heptane	8.11	43	104915	0.569	ppbv	97
11) Trichlorofluoromethane	3.94	101	2816158	14.034	ppbv	99
13) Ethanol	3.60	45	4178298	351.231	ppbv	91
15) Acetone	3.84	43	12914879	110.671	ppbv	96
17) tert-Butyl alcohol	4.30	59	36739m	0.313	ppbv	
19) Isopropyl Alcohol	3.97	45	828355	12.826	ppbv #	1
20) Methylene Chloride	4.34	84	180134	1.864	ppbv	93
26) Hexane	5.68	57	304771	1.795	ppbv #	61
27) Carbon Disulfide	4.54	76	14346	0.104	ppbv #	76
29) Chloroform	5.75	83	300401	1.397	ppbv	99
30) Cyclohexane	7.12	84	48803m	0.373	ppbv	
34) 2-Butanone	5.23	43	918776	7.651	ppbv	99
35) Carbon Tetrachloride	7.01	117	13737m	0.067	ppbv	
36) Benzene	6.88	78	209791	0.674	ppbv	98
41) Tetrahydrofuran	6.05	42	31187m	0.467	ppbv	
43) Methyl Methacrylate	8.01	69	27802m	0.263	ppbv	
44) 2,2,4-Trimethylpentane	7.86	57	370019	0.719	ppbv	91
50) 4-Methyl-2-Pentanone	8.74	43	59228m	0.322	ppbv	
52) Tetrachloroethene	11.21	164	11778m	0.088	ppbv	
53) Toluene	9.80	91	4521792	12.299	ppbv	98
58) Ethyl Benzene	12.70	91	460231	1.060	ppbv	93
59) m/p-Xylene	12.96	91	1512865m	4.136	ppbv	
60) o-Xylene	13.68	91	394953	1.188	ppbv	97
61) Styrene	13.51	104	75197m	0.413	ppbv	
64) n-propylbenzene	15.55	120	23847m	0.189	ppbv	
65) tert-Butylbenzene	16.74	119	61646	0.138	ppbv #	64
69) p-Isopropyltoluene	17.64	119	53064	0.105	ppbv	96
70) n-Butylbenzene	18.55	91	50894m	0.110	ppbv	
72) 4-Ethyltoluene	15.82	105	130794	0.326	ppbv #	93
73) 1,3,5-Trimethylbenzene	15.99	105	167474	0.464	ppbv	87
74) 1,2,4-Trimethylbenzene	16.75	105	510369	1.325	ppbv #	76
76) 1,4-Dichlorobenzene	17.13	146	3894209	16.586	ppbv	98
79) Naphthalene	22.19	128	111015m	0.314	ppbv	
80) Naphthalene,2-methyl-	24.95	142	6937	0.121	ppbv	90

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

Instrument :

MSVOA_L

ClientSampleId :

IA-1

Tot Ion: 49 Resp: 1074299

Ion Ratio Lower Upper

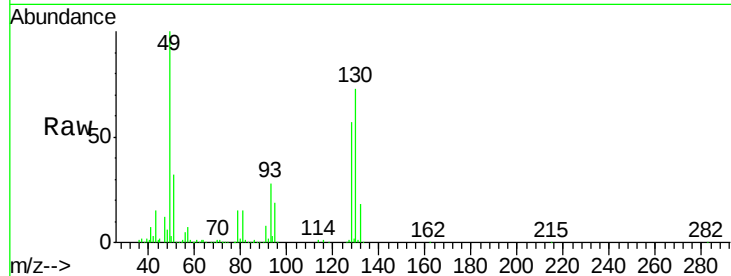
49 100

128 59.9 29.8 89.5

130 78.0 37.5 112.7

Manual Integrations
APPROVED

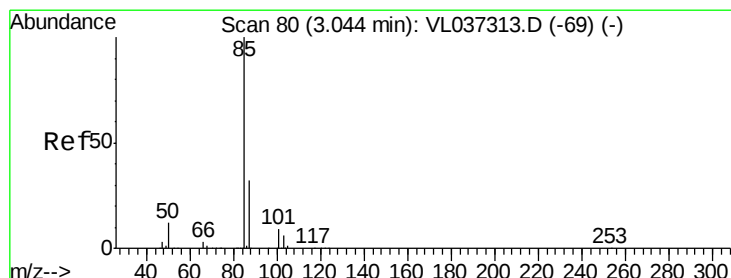
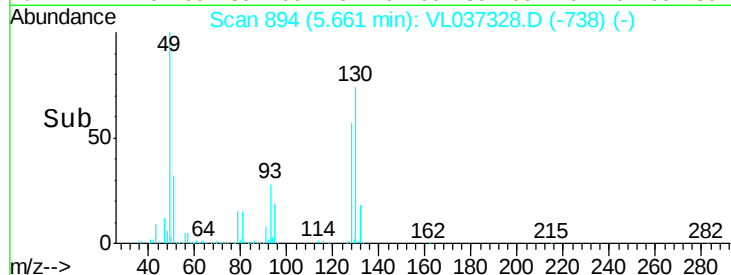
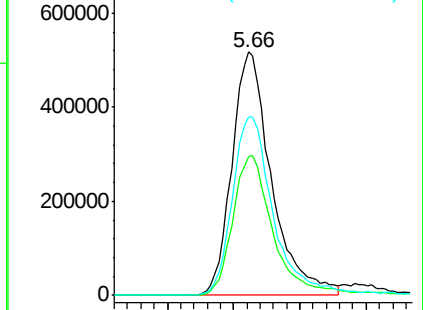
MMDadoda
8/5/2021 1:40:47 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.151 ppbv m

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL037328.D

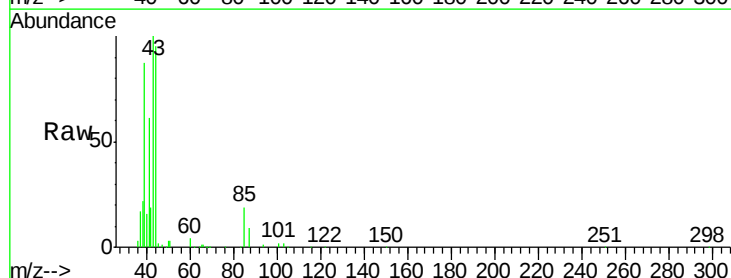
Acq: 5 Aug 2021 4:44

Tgt Ion: 85 Resp: 32969

Ion Ratio Lower Upper

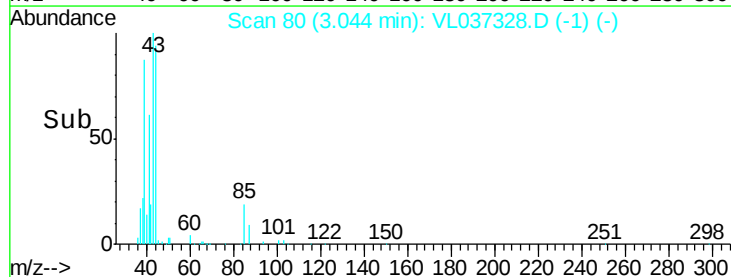
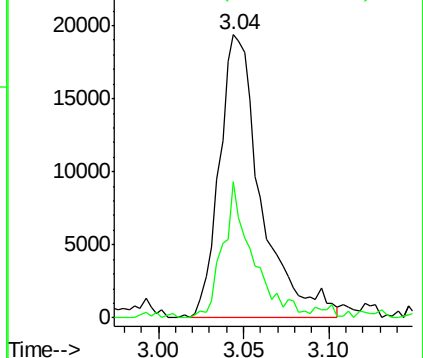
85 100

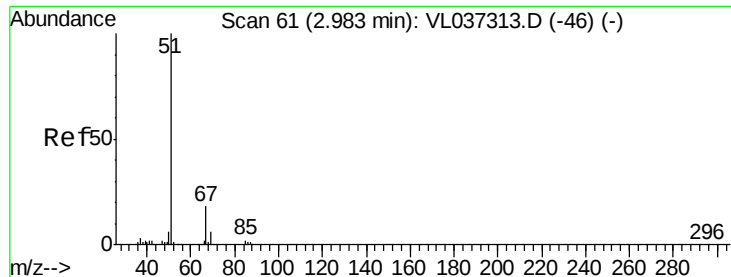
87 48.0 25.5 38.3#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





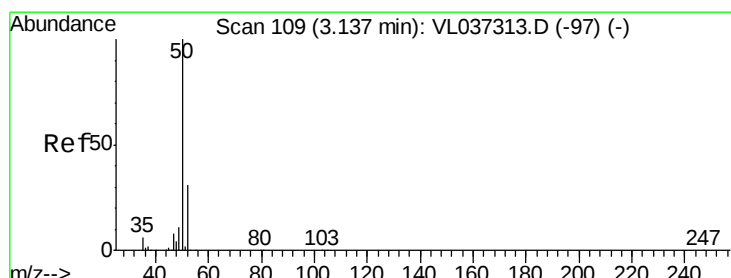
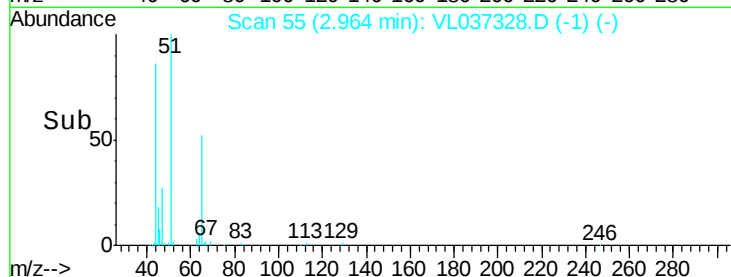
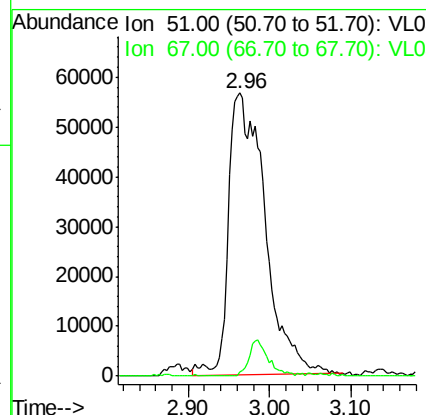
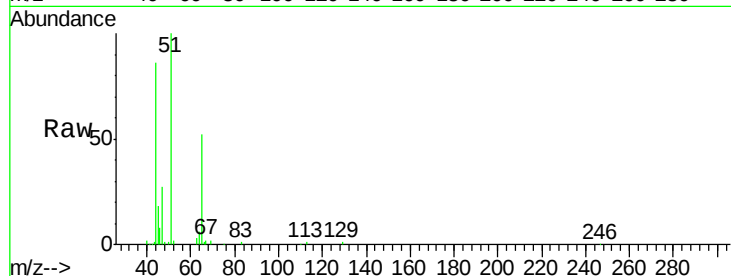
#3
Chlorodifluoromethane
Concen: 0.805 ppbv
RT: 2.96 min Scan# 55
Delta R.T. -0.02 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tot Ion: 51 Resp: 175884
Ion Ratio Lower Upper
51 100
67 6.7 14.2 21.2#

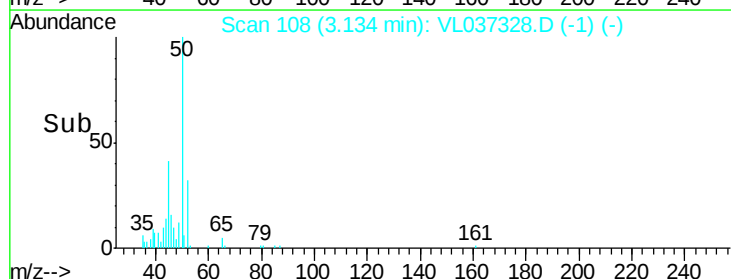
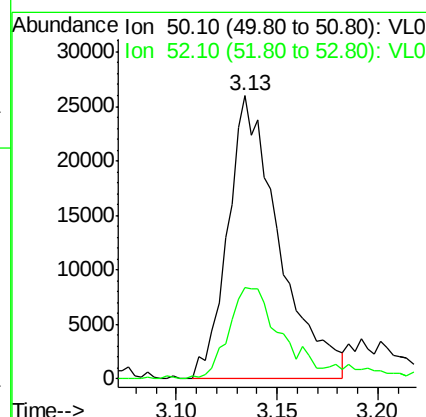
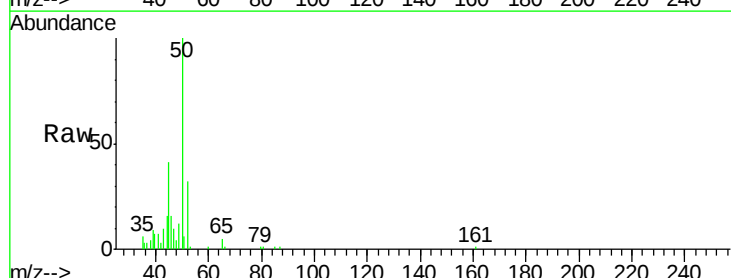
Manual Integrations
APPROVED

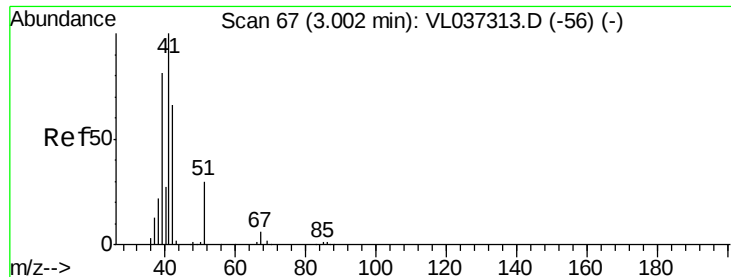
MMDadoda
8/5/2021 1:40:47 PM



#4
Chloromethane
Concen: 0.590 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Tgt Ion: 50 Resp: 46156
Ion Ratio Lower Upper
50 100
52 31.2 25.1 37.7





#9

Propene

Concen: 6.980 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

Instrument :

MSVOA_L

ClientSampleId :

IA-1

Tot Ion: 41 Resp: 551282

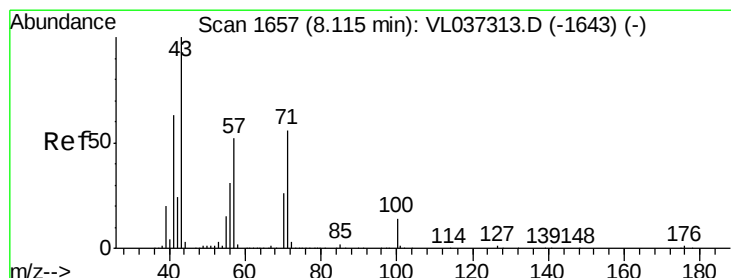
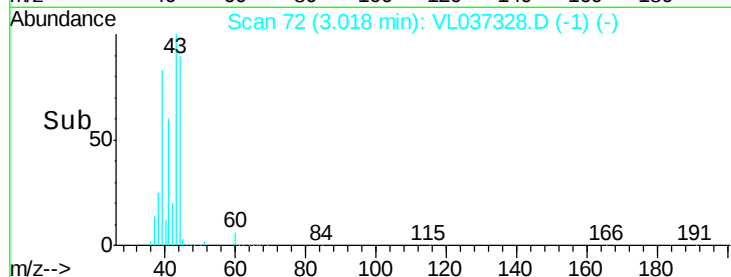
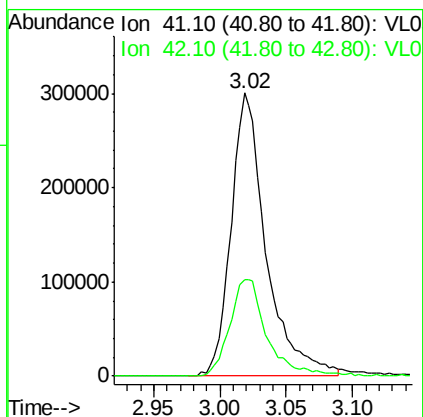
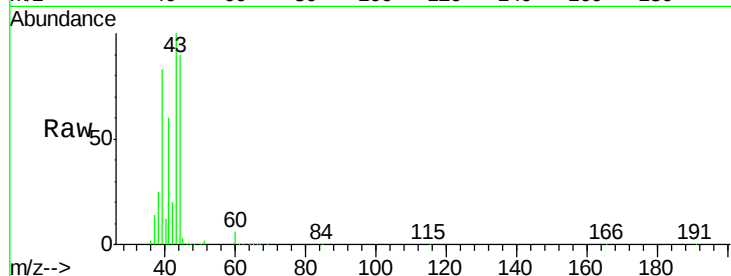
Ion Ratio Lower Upper

41 100

42 36.7 53.8 80.8#

Manual Integrations
APPROVED

MMDadoda
8/5/2021 1:40:47 PM



#10

Heptane

Concen: 0.569 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VL037328.D

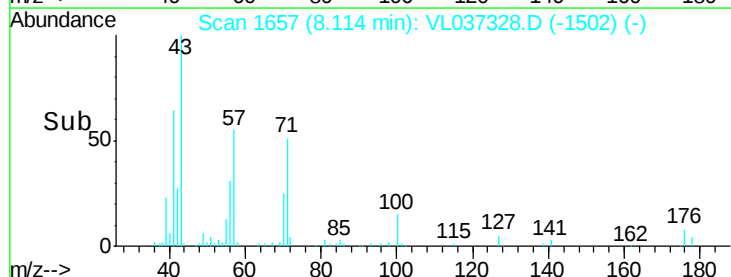
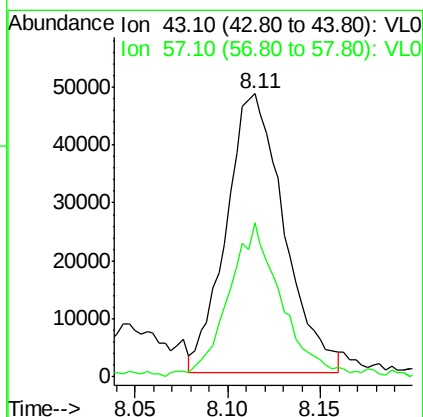
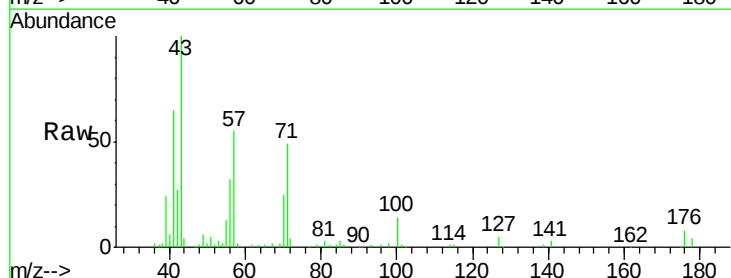
Acq: 5 Aug 2021 4:44

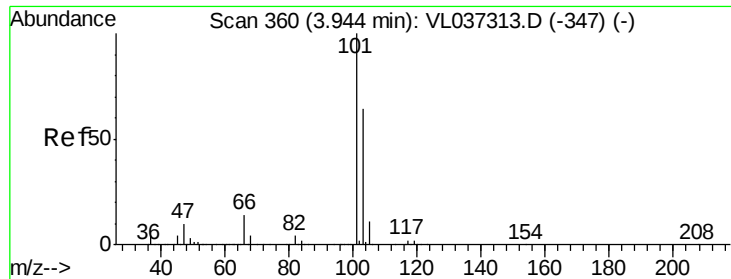
Tgt Ion: 43 Resp: 104915

Ion Ratio Lower Upper

43 100

57 50.6 42.4 63.6





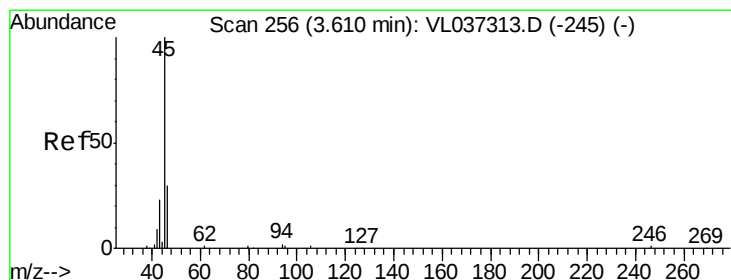
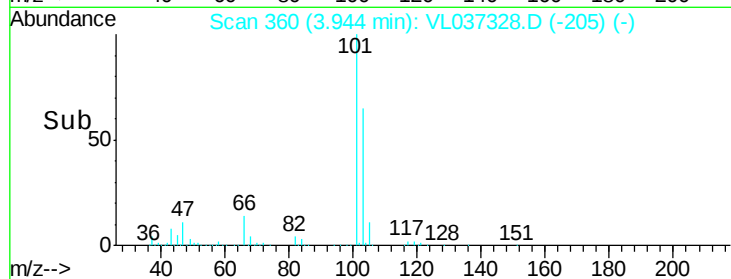
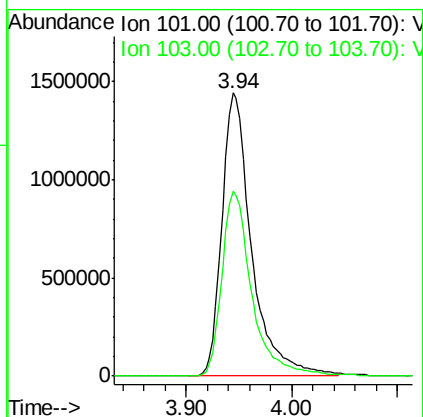
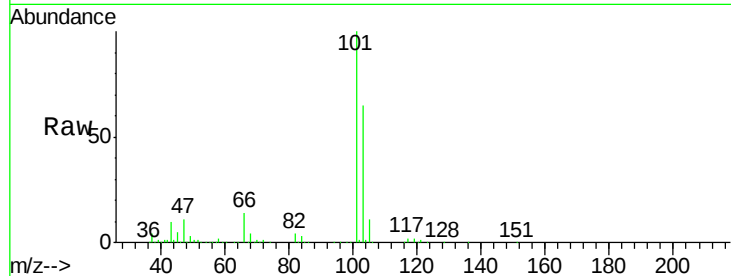
#11
 Trichlorofluoromethane
 Concen: 14.034 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.00 min
 Lab File: VL037328.D
 Acq: 5 Aug 2021 4:44

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Tot Ion:101 Resp: 2816158
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.6 77.4

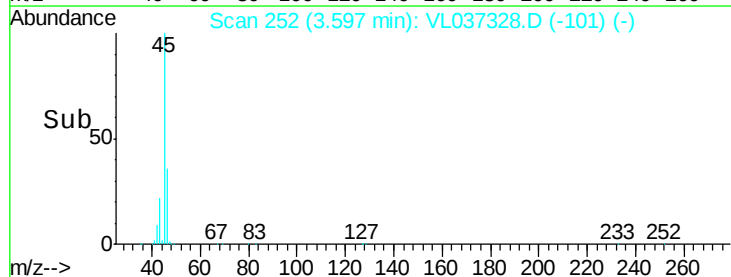
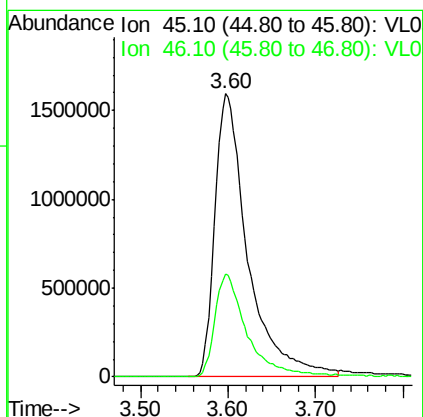
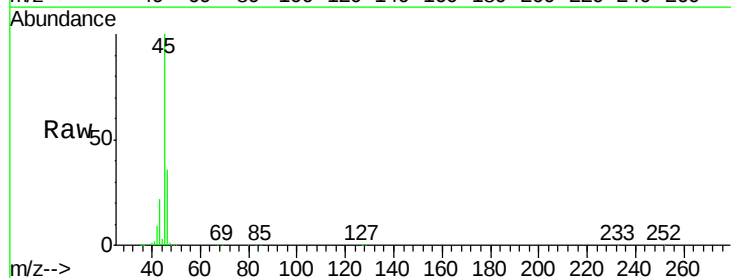
Manual Integrations
 APPROVED

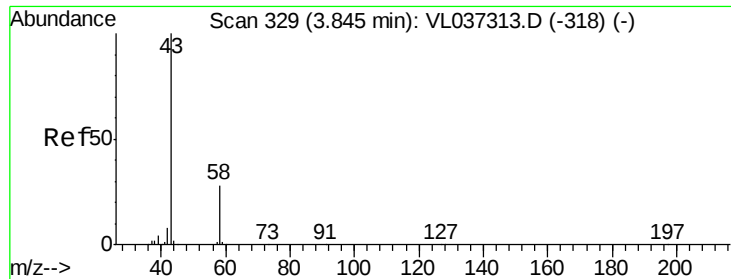
MMDadoda
 8/5/2021 1:40:47 PM



#13
 Ethanol
 Concen: 351.231 ppbv
 RT: 3.60 min Scan# 252
 Delta R.T. -0.01 min
 Lab File: VL037328.D
 Acq: 5 Aug 2021 4:44

Tgt Ion: 45 Resp: 4178298
 Ion Ratio Lower Upper
 45 100
 46 35.9 16.6 66.4





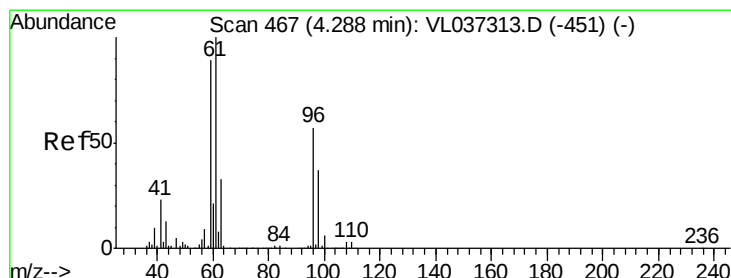
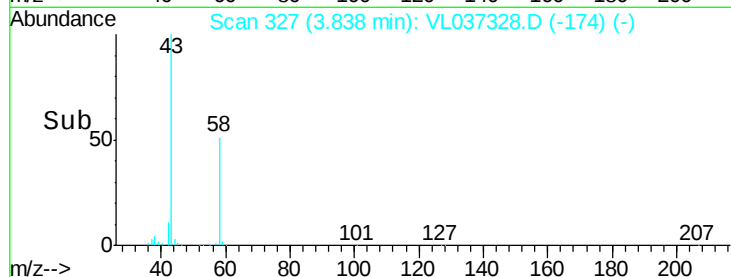
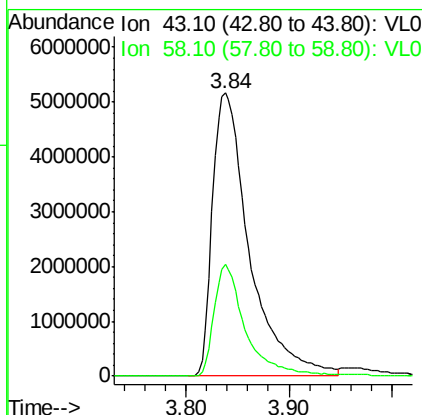
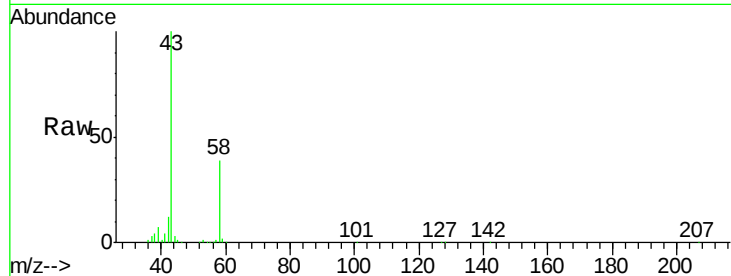
#15
Acetone
Concen: 110.671 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Instrument :
MSVOA_L
ClientSampled :
IA-1

Tot Ion: 43 Resp:12914879
Ion Ratio Lower Upper
43 100
58 34.1 25.3 37.9

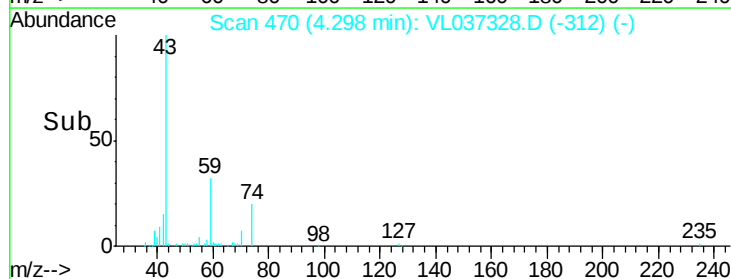
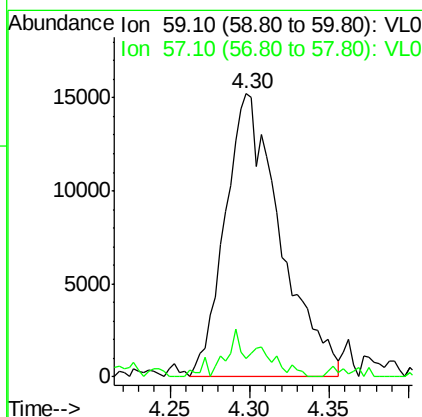
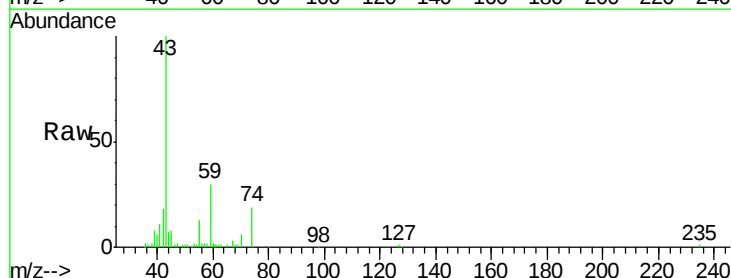
Manual Integrations
APPROVED

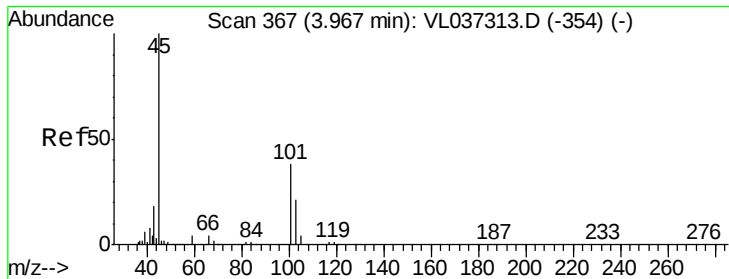
MMDadoda
8/5/2021 1:40:47 PM



#17
tert-Butyl alcohol
Concen: 0.313 ppbv m
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Tgt Ion: 59 Resp: 36739
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#19

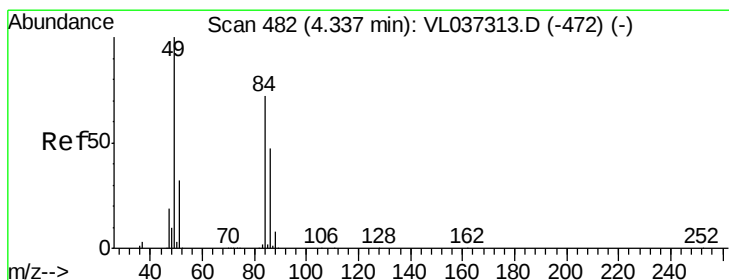
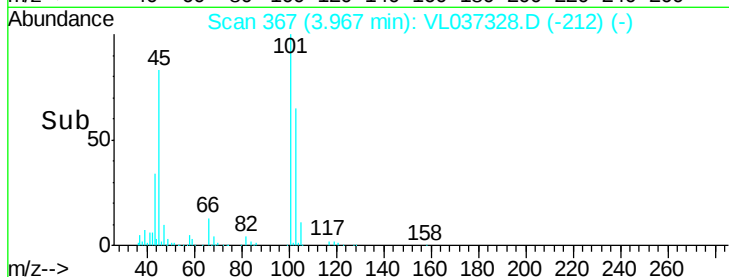
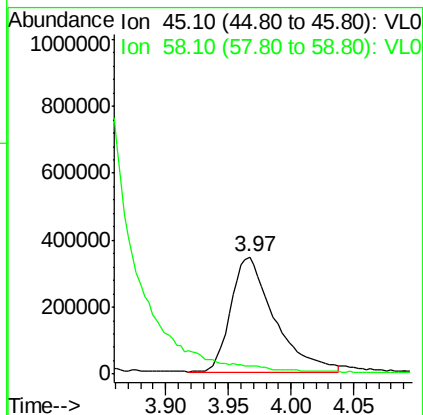
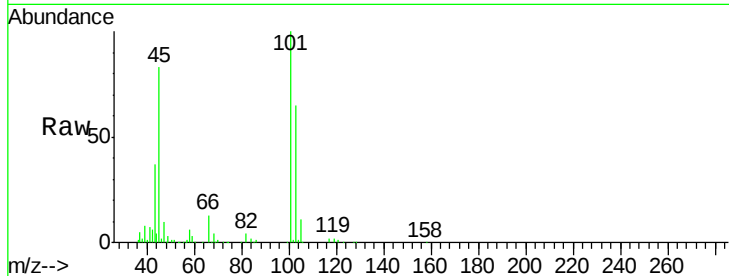
Isopropyl Alcohol
 Concen: 12.826 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VL037328.D
 Acq: 5 Aug 2021 4:44

Instrument :
 MSVOA_L
 ClientSampled :
 IA-1

Tot Ion: 45 Resp: 828355
 Ion Ratio Lower Upper
 45 100
 58 531.4 1.8 2.8#

Manual Integrations
 APPROVED

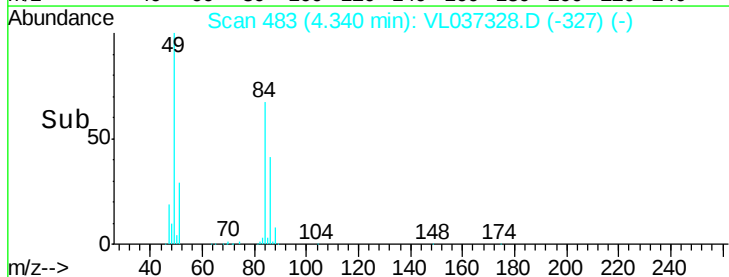
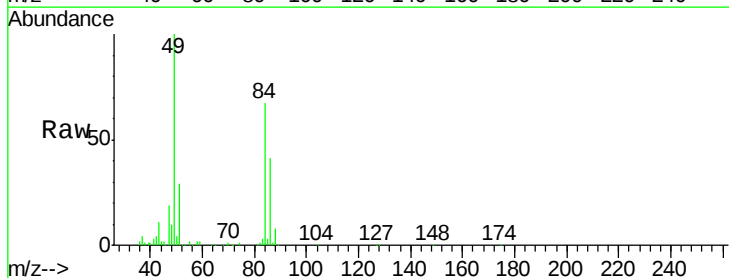
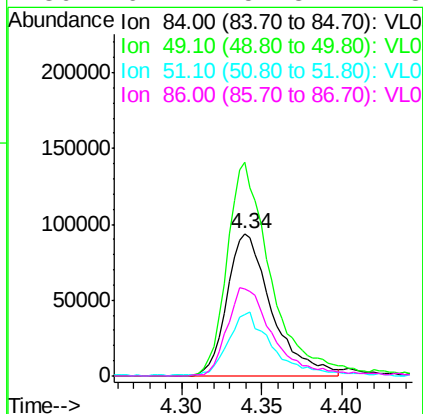
MMDadoda
 8/5/2021 1:40:47 PM

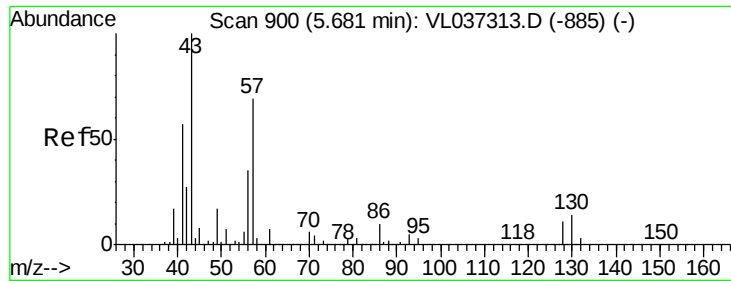


#20

Methylene Chloride
 Concen: 1.864 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. 0.00 min
 Lab File: VL037328.D
 Acq: 5 Aug 2021 4:44

Tgt Ion: 84 Resp: 180134
 Ion Ratio Lower Upper
 84 100
 49 149.5 110.4 165.6
 51 41.7 35.8 53.6
 86 61.2 51.8 77.8





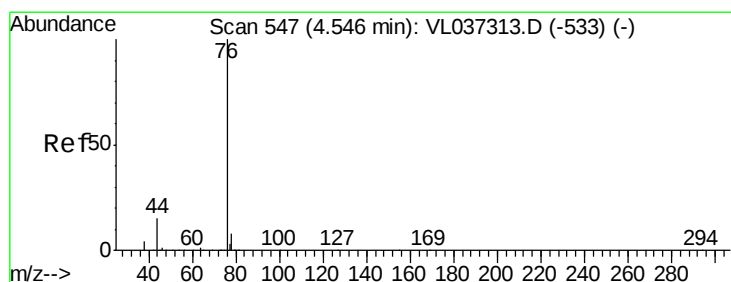
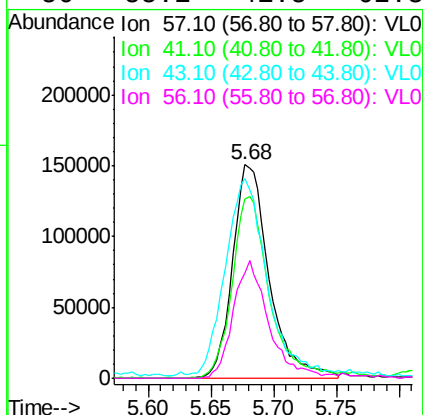
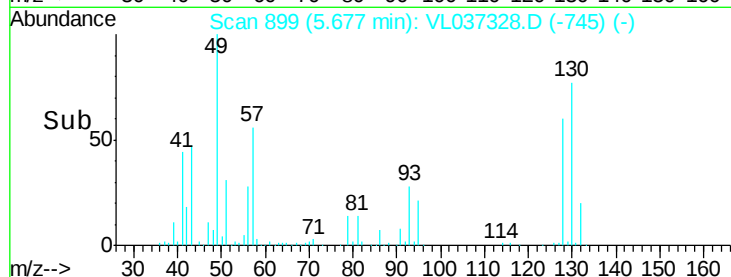
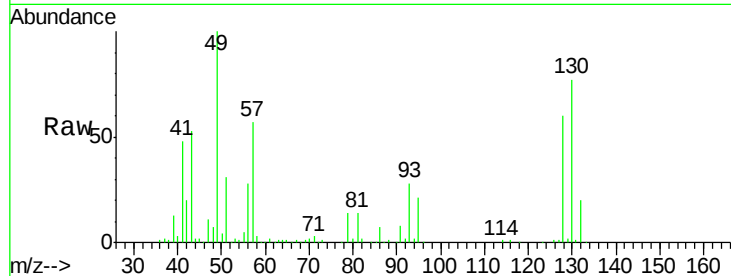
#26
Hexane
Concen: 1.795 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
57	100		304771		
41	88.2	67.5	101.3		
43	109.1	163.0	244.4#		
56	55.1	41.5	62.3		

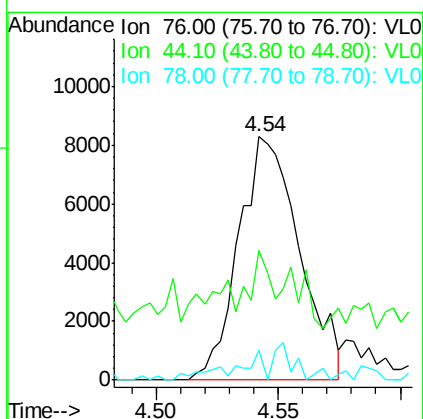
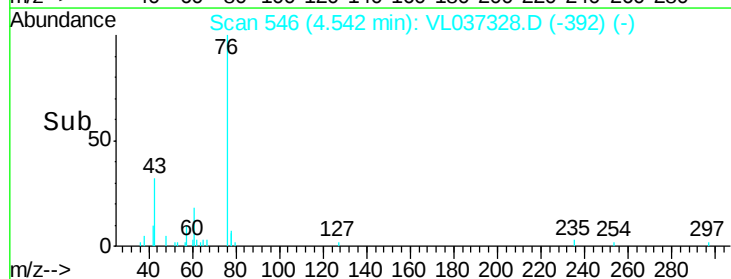
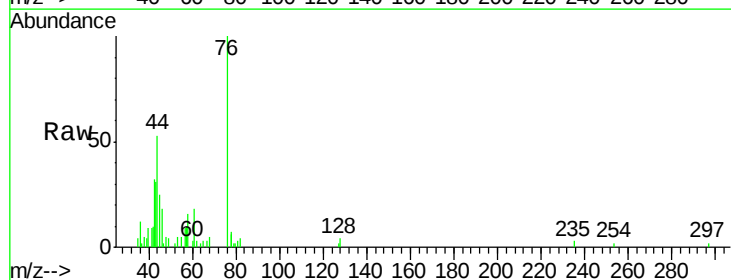
Manual Integrations
APPROVED

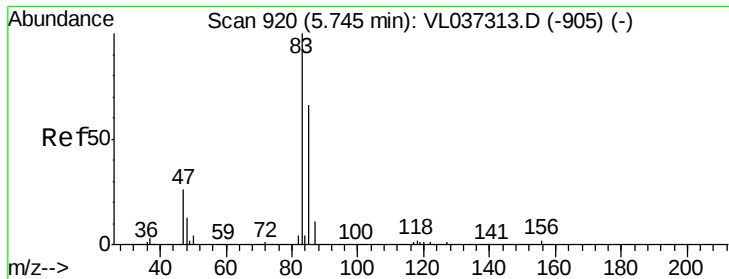
MMDadoda
8/5/2021 1:40:47 PM



#27
Carbon Disulfide
Concen: 0.104 ppbv
RT: 4.54 min Scan# 546
Delta R.T. -0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
76	100		14346		
44	29.9	13.1	19.7#		
78	14.1	8.0	12.0#		





#29

Chloroform

Concen: 1.397 ppbv

RT: 5.75 min Scan# 921

Delta R.T. 0.00 min

Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

Instrument :

MSVOA_L

ClientSampleId :

IA-1

Tot Ion: 83 Resp: 300401

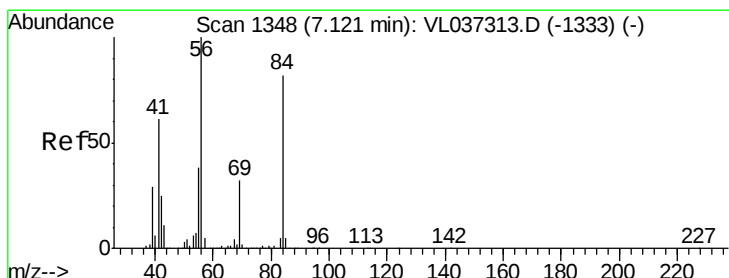
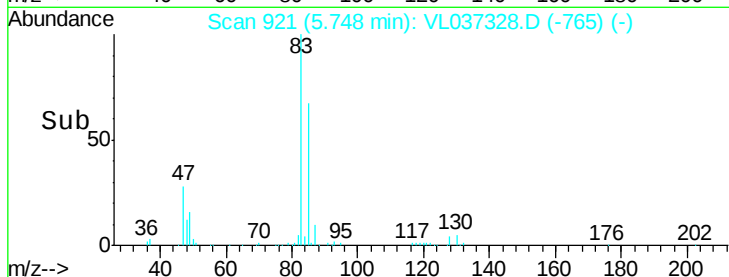
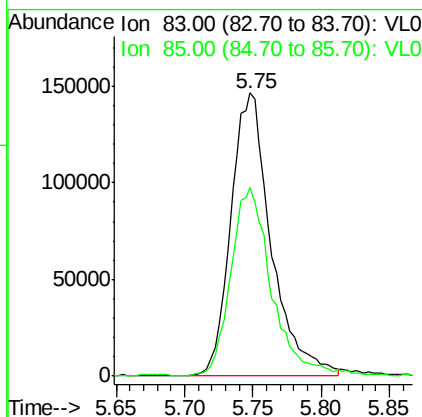
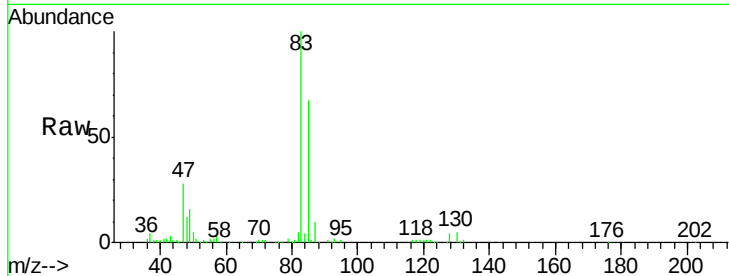
Ion Ratio Lower Upper

83 100

85 66.6 52.6 79.0

Manual Integrations
APPROVED

MMDadoda
8/5/2021 1:40:47 PM



#30

Cyclohexane

Concen: 0.373 ppbv m

RT: 7.12 min Scan# 1349

Delta R.T. 0.00 min

Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

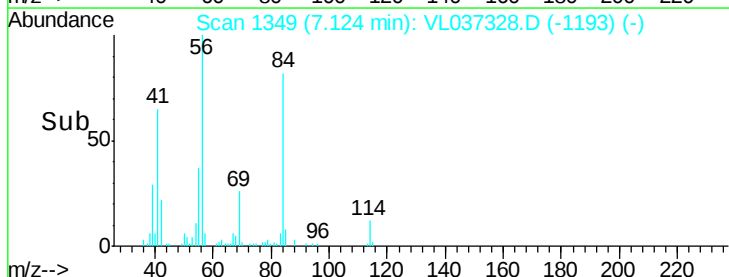
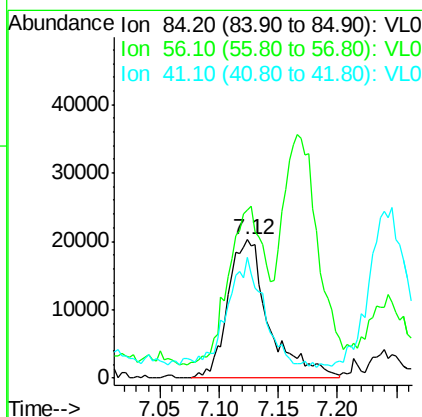
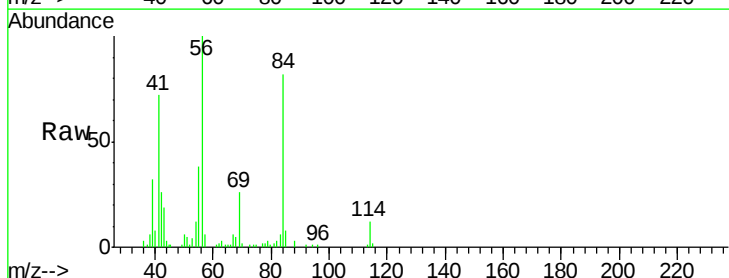
Tgt Ion: 84 Resp: 48803

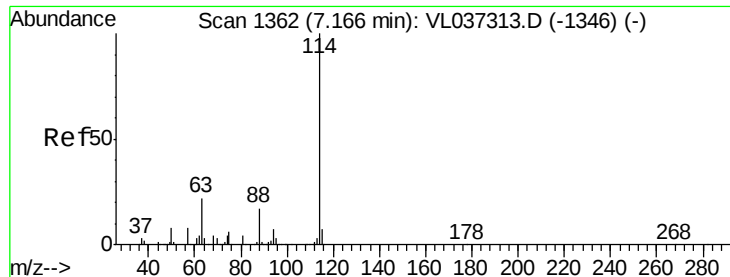
Ion Ratio Lower Upper

84 100

56 103.2 105.2 157.8#

41 70.1 61.3 91.9





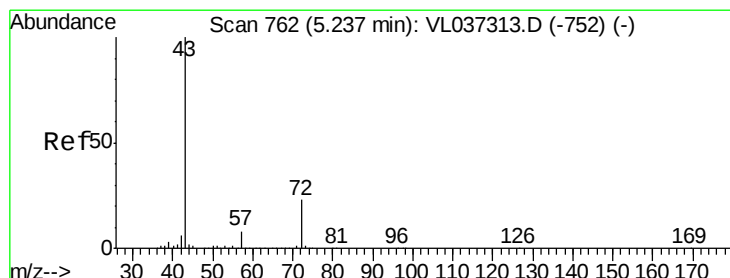
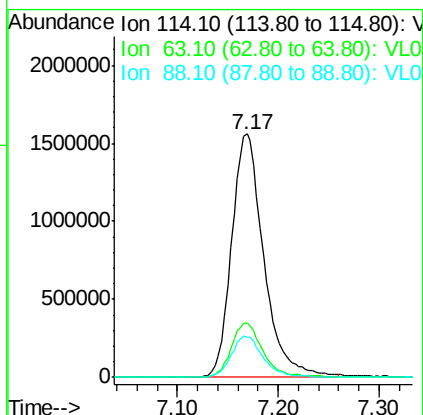
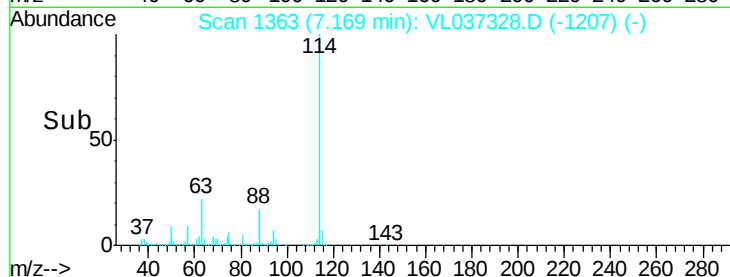
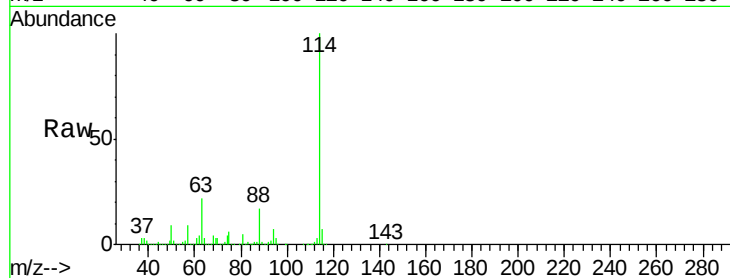
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VL037328.D
 Acq: 5 Aug 2021 4:44

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.2	18.1	27.1
88	17.1	13.8	20.8

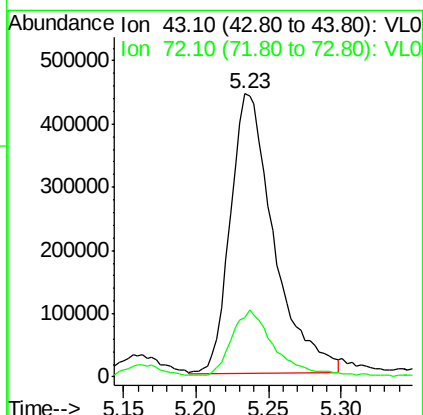
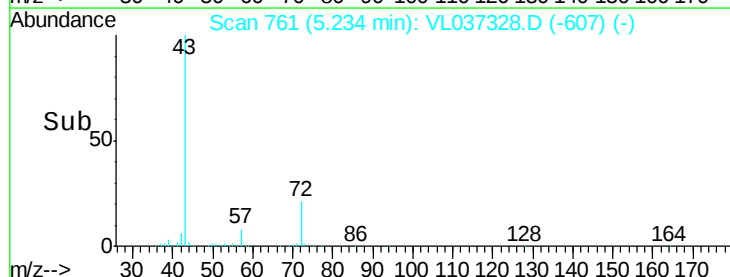
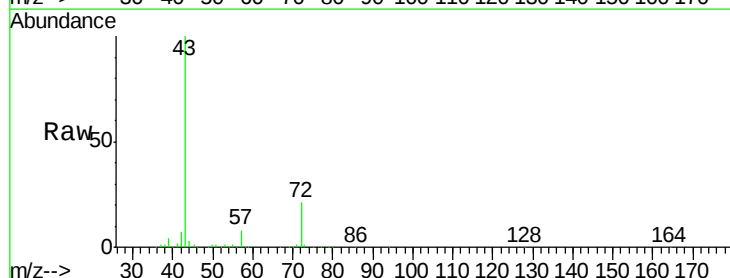
Manual Integrations
 APPROVED

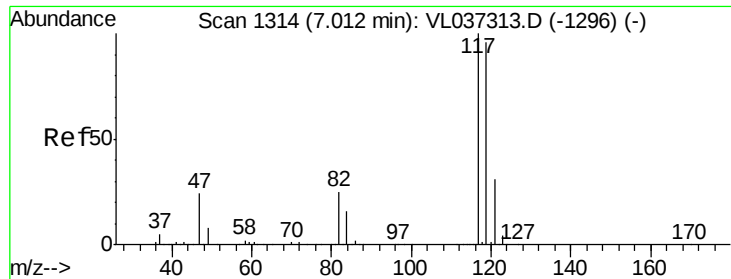
MMDadoda
 8/5/2021 1:40:47 PM



#34
 2-Butanone
 Concen: 7.651 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VL037328.D
 Acq: 5 Aug 2021 4:44

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.7	20.3	30.5





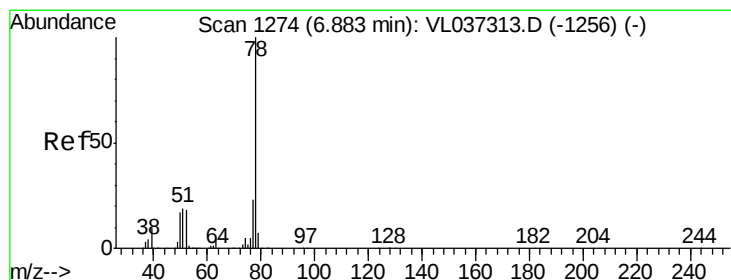
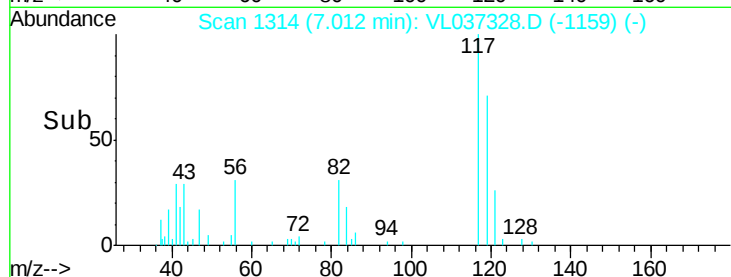
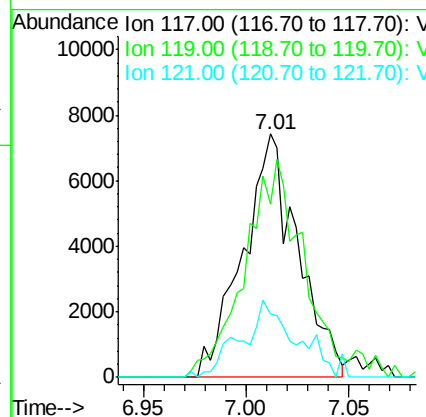
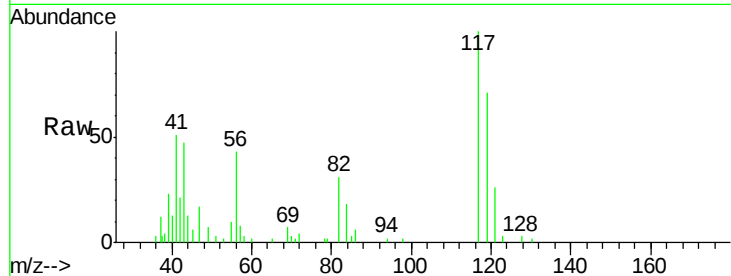
#35
Carbon Tetrachloride
Concen: 0.067 ppbv m
RT: 7.01 min Scan# 1314
Delta R.T. -0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Instrument :
MSVOA_L
ClientSampled :
IA-1

Tot Ion	Ratio	Lower	Upper
117	100		
119	71.4	76.6	114.8#
121	25.9	24.9	37.3

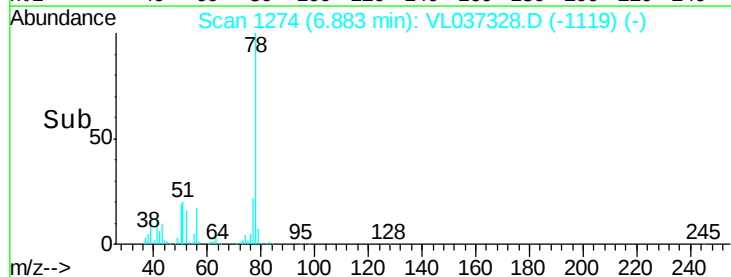
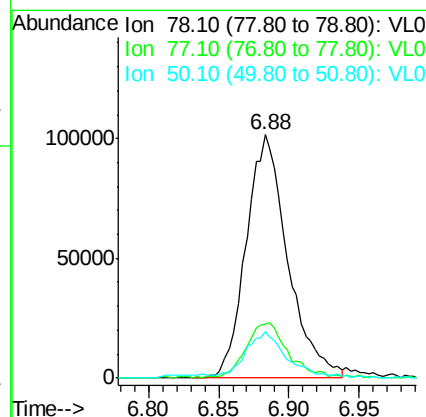
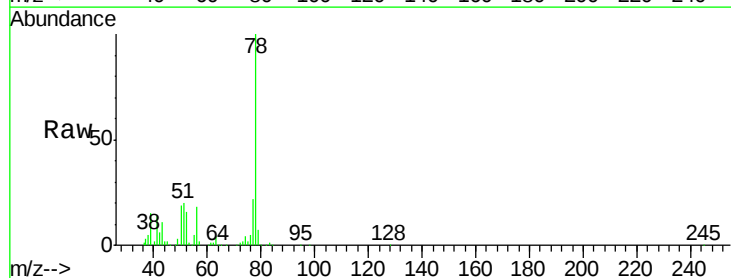
Manual Integrations
APPROVED

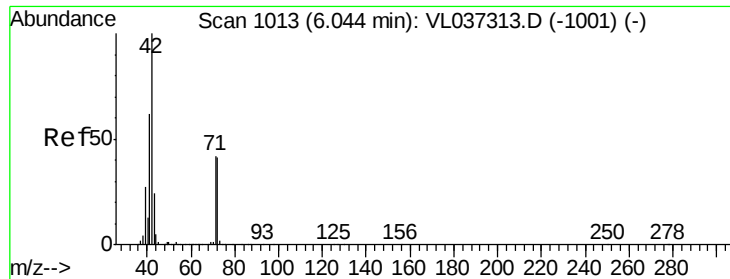
MMDadoda
8/5/2021 1:40:47 PM



#36
Benzene
Concen: 0.674 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.7	28.1
50	18.3	13.7	20.5





#41

Tetrahydrofuran

Concen: 0.467 ppbv m

RT: 6.05 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

Instrument :

MSVOA_L

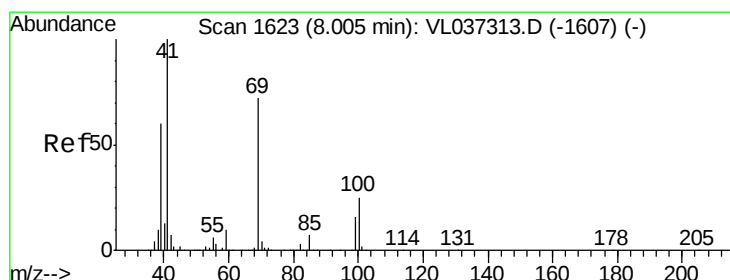
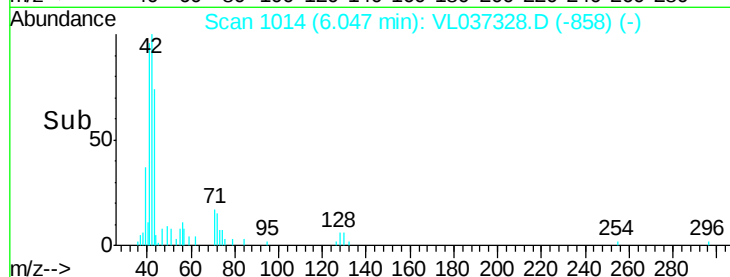
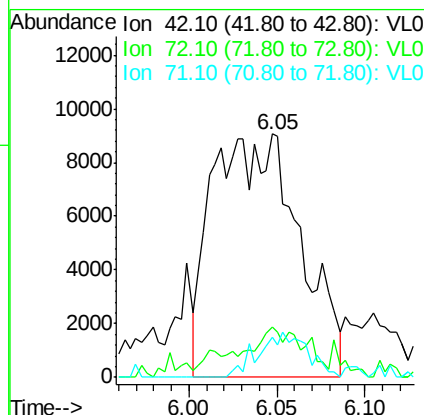
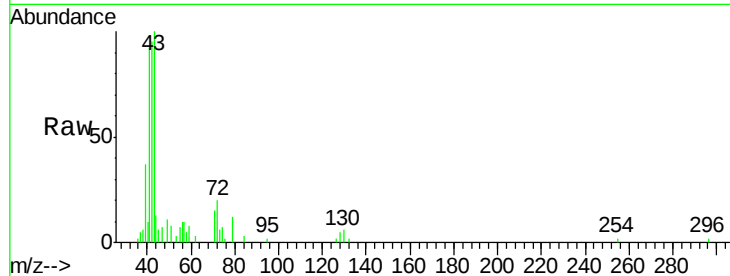
ClientSampleId :

IA-1

Tot Ion:	42	Resp:	31187
Ion Ratio		Lower	Upper
42	100		
72	20.2	33.6	50.4#
71	10.3	33.0	49.4#

Manual Integrations
APPROVED

MMDadoda
8/5/2021 1:40:47 PM



#43

Methyl Methacrylate

Concen: 0.263 ppbv m

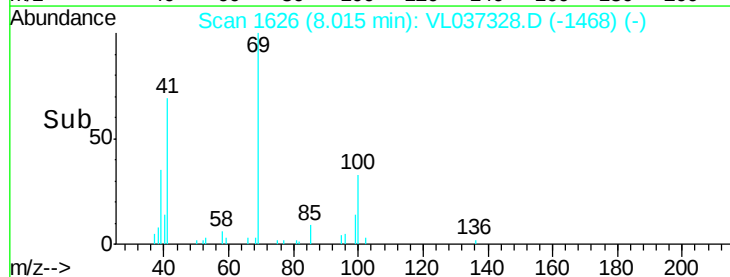
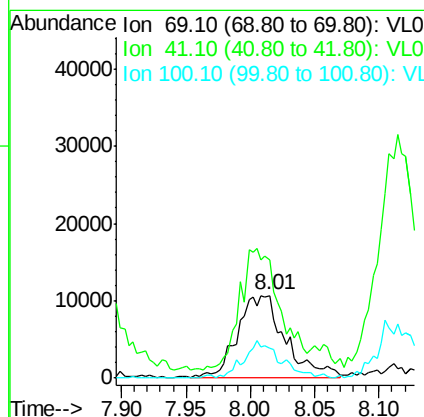
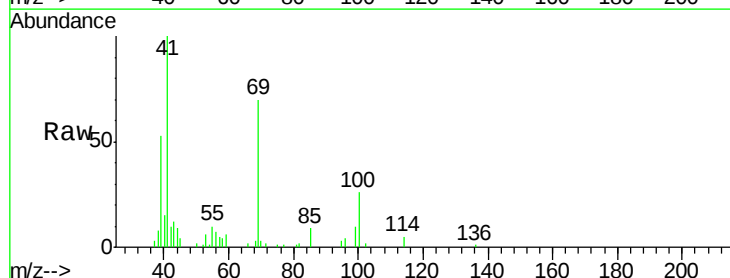
RT: 8.01 min Scan# 1626

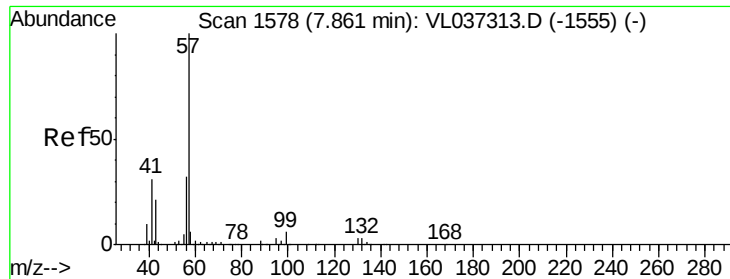
Delta R.T. 0.01 min

Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

Tgt Ion:	69	Resp:	27802
Ion Ratio		Lower	Upper
69	100		
41	143.3	114.6	172.0
100	35.5	29.4	44.2





#44

2,2,4-Trimethylpentane

Concen: 0.719 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

Instrument :

MSVOA_L

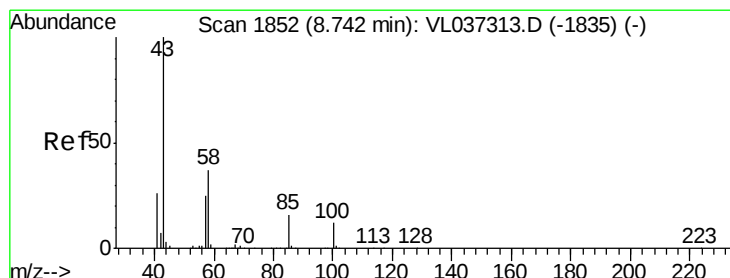
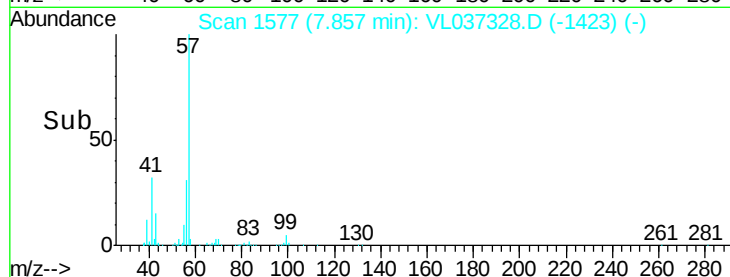
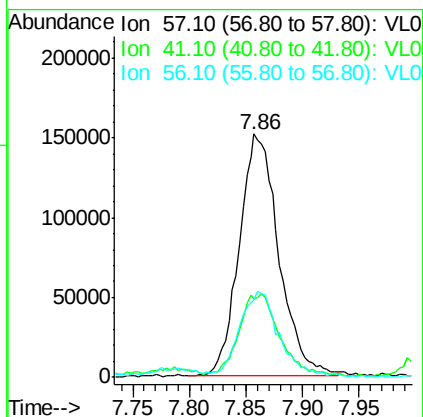
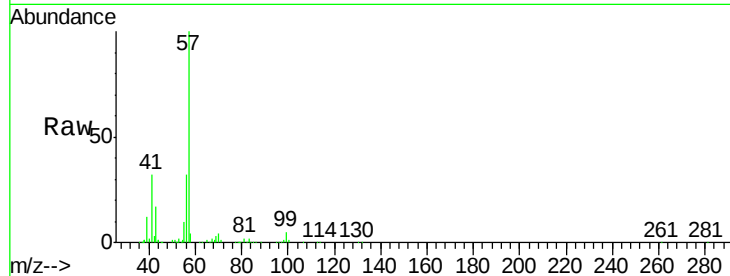
ClientSampleId :

IA-1

Tot Ion:	57	Resp:	370019
Ion	Ratio	Lower	Upper
57	100		
41	35.0	24.3	36.5
56	36.5	25.0	37.6

Manual Integrations
APPROVED

MMDadoda
8/5/2021 1:40:47 PM



#50

4-Methyl-2-Pentanone

Concen: 0.322 ppbv m

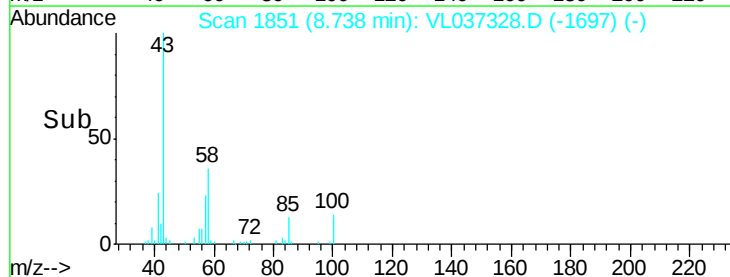
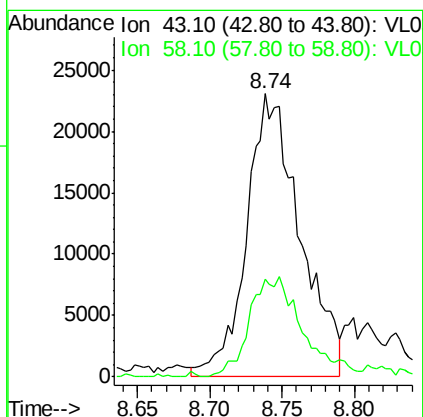
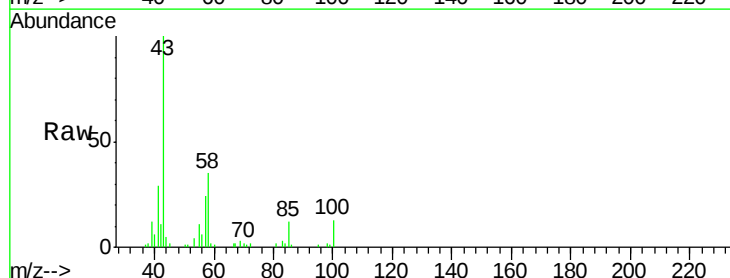
RT: 8.74 min Scan# 1851

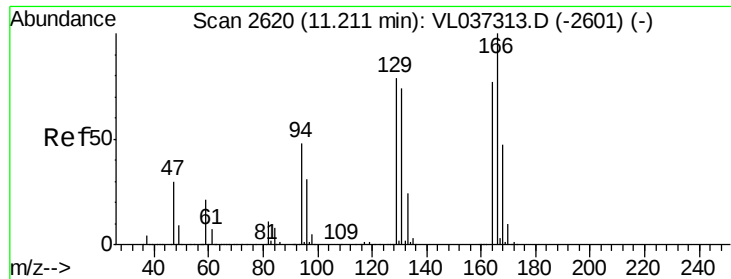
Delta R.T. -0.00 min

Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

Tgt Ion:	43	Resp:	59228
Ion	Ratio	Lower	Upper
43	100		
58	35.2	31.0	46.4





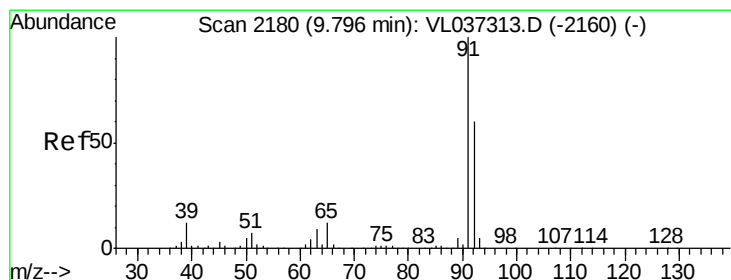
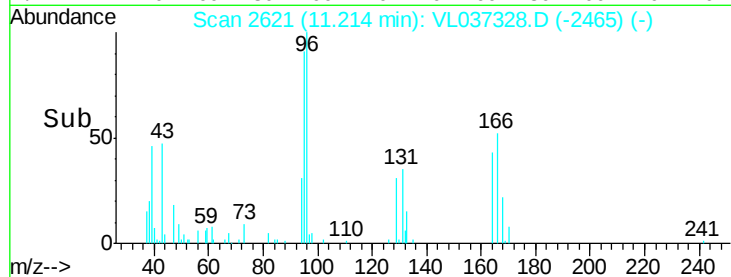
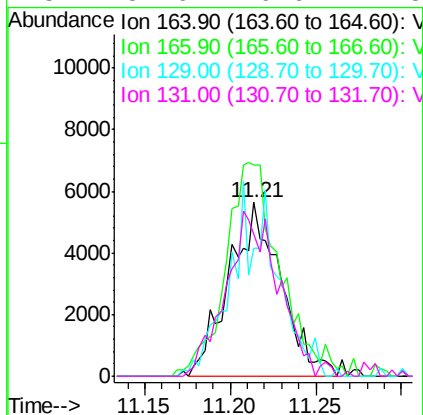
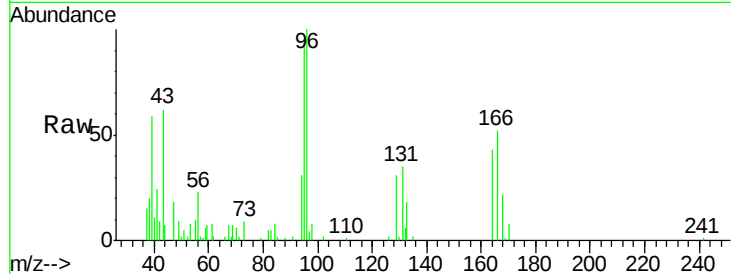
#52
Tetrachloroethene
Concen: 0.088 ppbv m
RT: 11.21 min Scan# 2621
Delta R.T. 0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Instrument :
MSVOA_L
ClientSampled :
IA-1

Tot Ion	Ratio	Lower	Upper
164	100		
166	121.3	103.4	155.2
129	73.7	82.2	123.2#
131	81.6	76.6	114.8

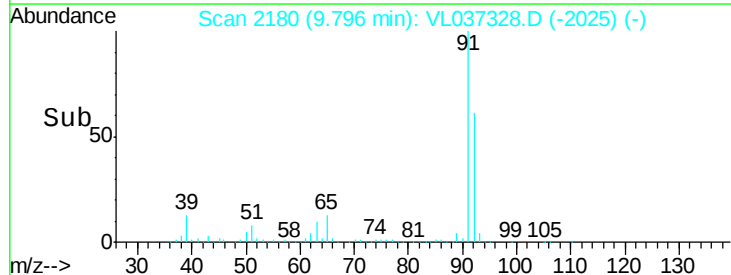
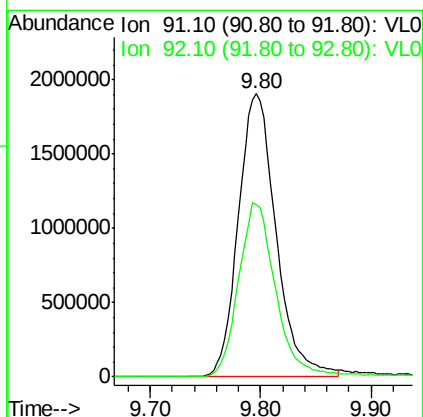
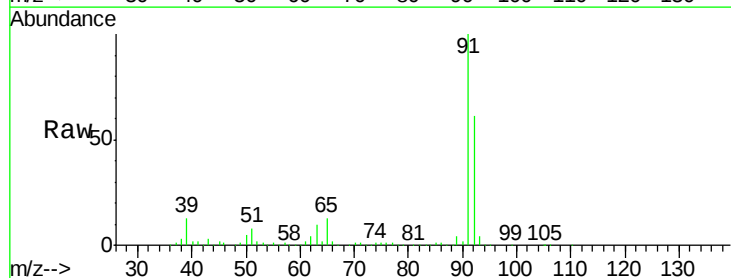
Manual Integrations
APPROVED

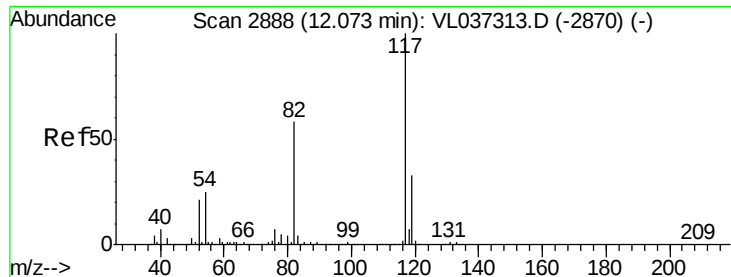
MMDadoda
8/5/2021 1:40:47 PM



#53
Toluene
Concen: 12.299 ppbv
RT: 9.80 min Scan# 2180
Delta R.T. -0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	62.4	48.8	73.2





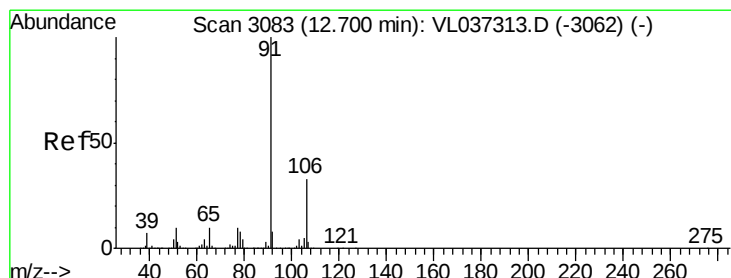
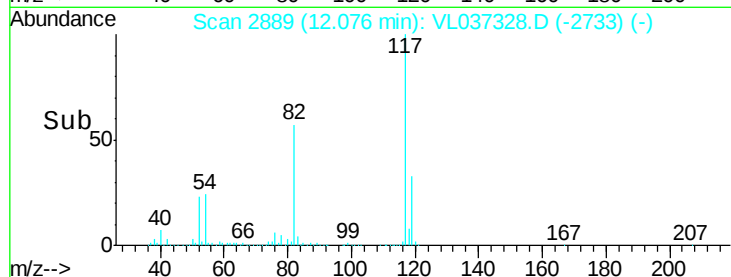
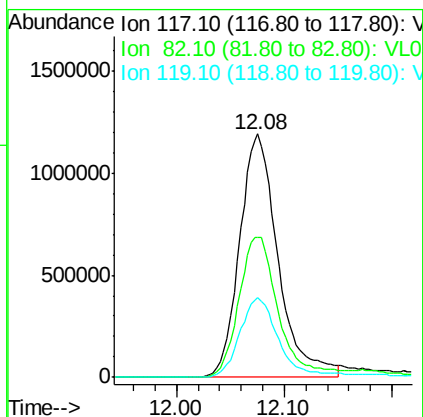
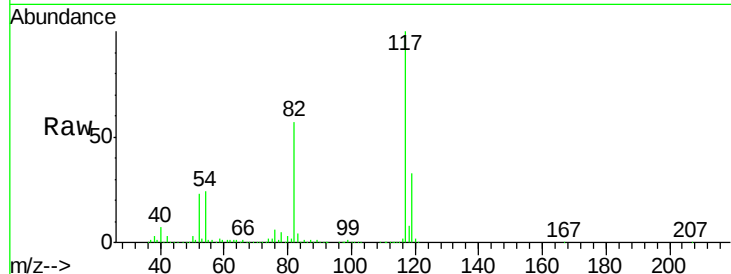
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. 0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.2	50.3	75.5
119	35.7	48.2	72.2#

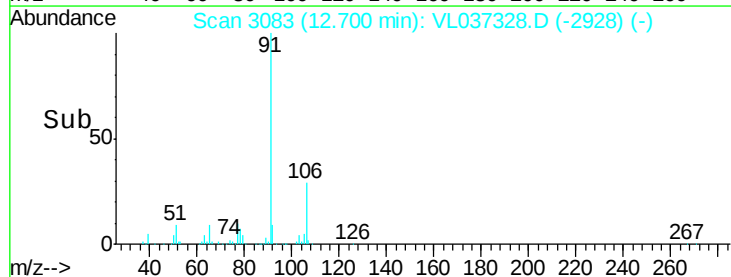
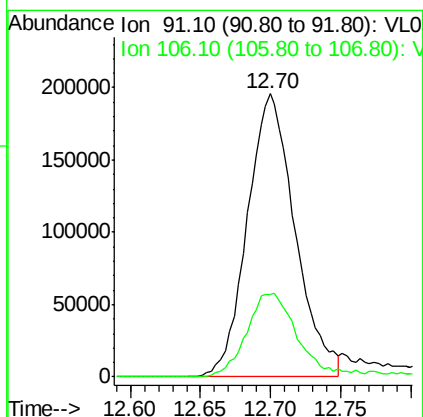
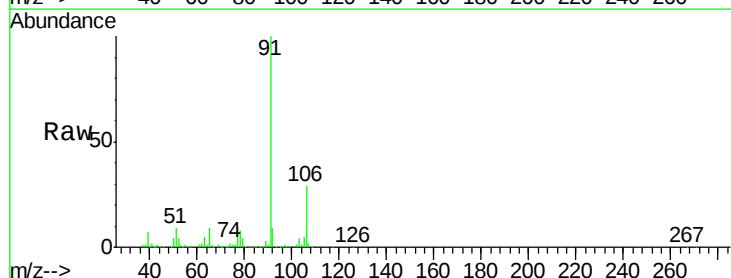
Manual Integrations
APPROVED

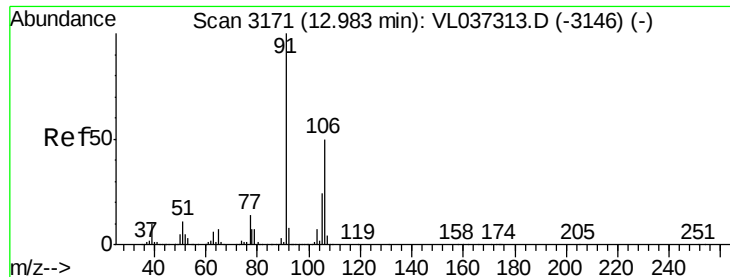
MMDadoda
8/5/2021 1:40:47 PM



#58
Ethyl Benzene
Concen: 1.060 ppbv
RT: 12.70 min Scan# 3083
Delta R.T. -0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.0	26.2	39.2





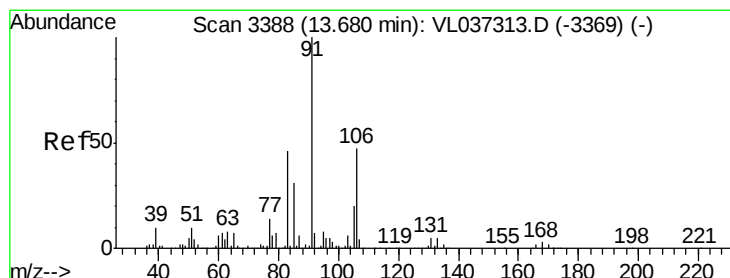
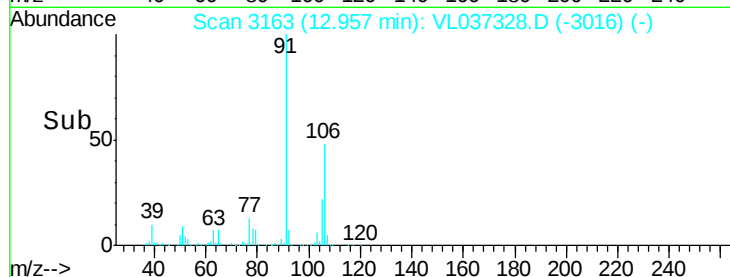
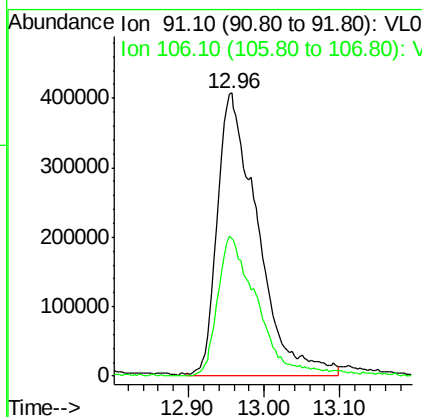
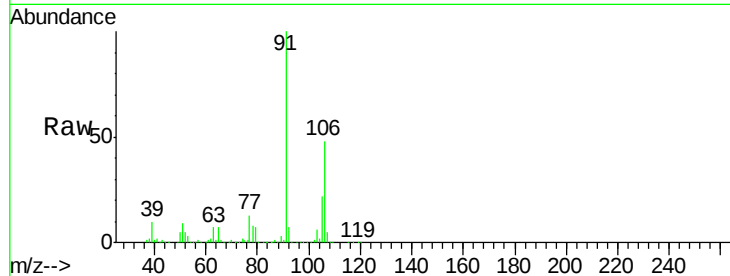
#59
m/p-Xylene
Concen: 4.136 ppbv m
RT: 12.96 min Scan# 3163
Delta R.T. -0.03 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Instrument :
MSVOA_L
ClientSampled :
IA-1

Tot Ion: 91 Resp: 1512865
Ion Ratio Lower Upper
91 100
106 0.0 37.8 56.8#

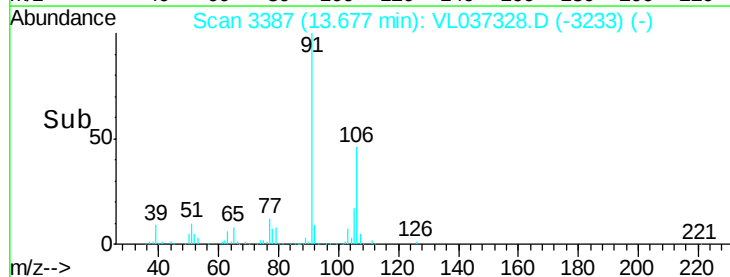
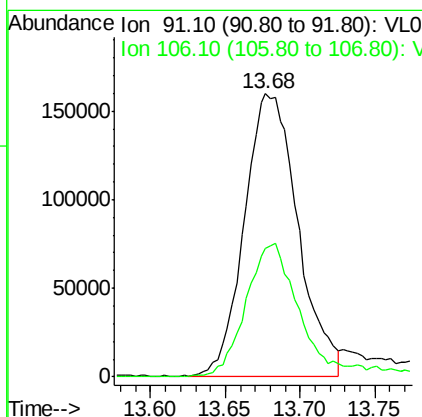
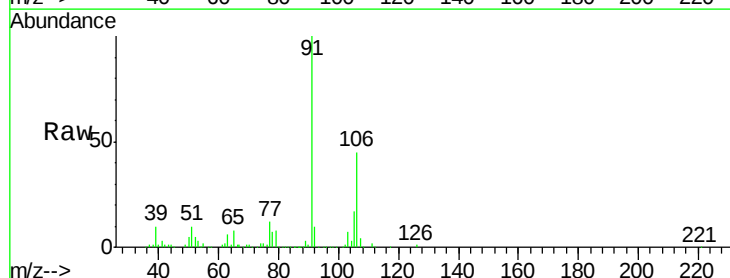
Manual Integrations
APPROVED

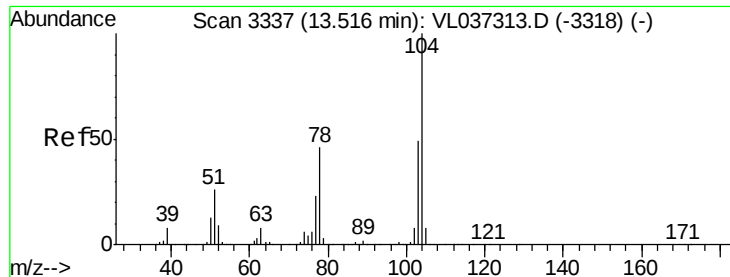
MMDadoda
8/5/2021 1:40:47 PM



#60
o-Xylene
Concen: 1.188 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Tgt Ion: 91 Resp: 394953
Ion Ratio Lower Upper
91 100
106 50.1 26.3 78.8





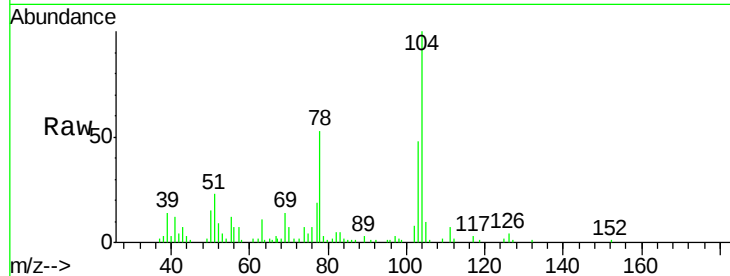
#61
Stvrene
Concen: 0.413 ppbv m
RT: 13.51 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Instrument :
MSVOA_L
ClientSampleId :
IA-1

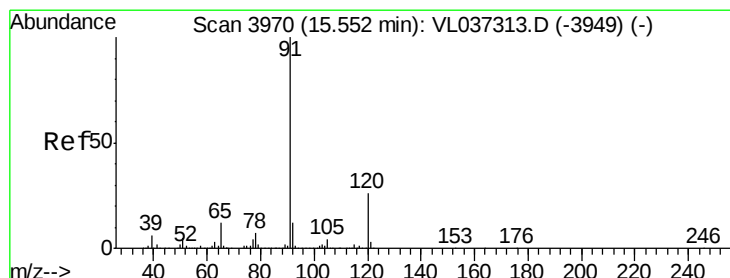
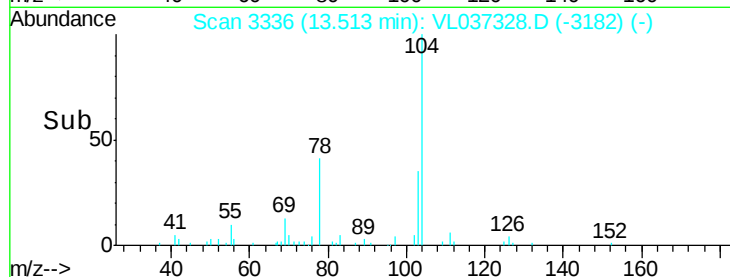
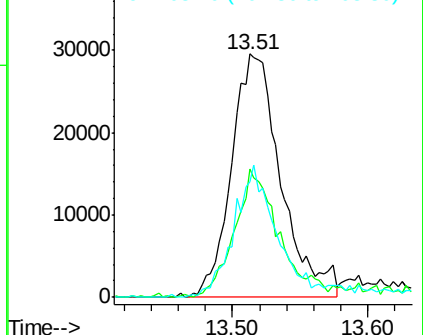
Tot Ion	Ratio	Lower	Upper
104	100		
78	50.9	39.3	58.9
103	49.6	40.6	60.8

Manual Integrations
APPROVED

MMDadoda
8/5/2021 1:40:47 PM

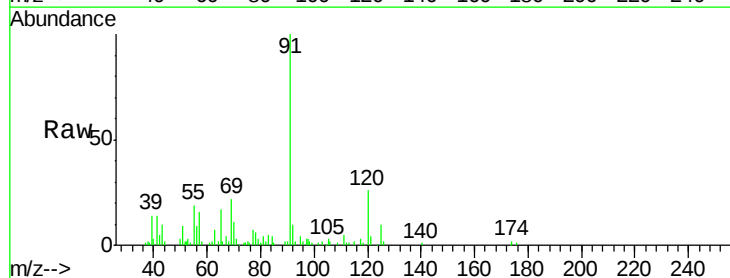


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

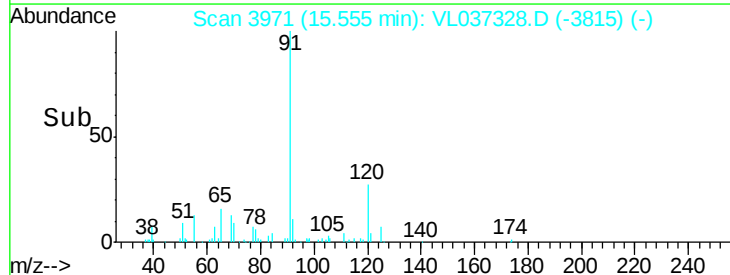
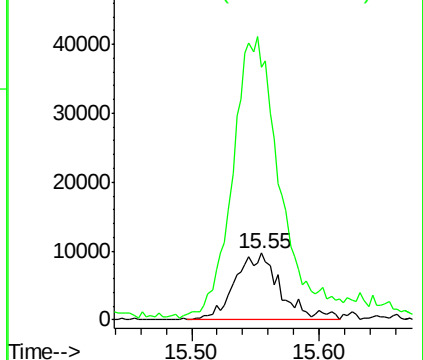


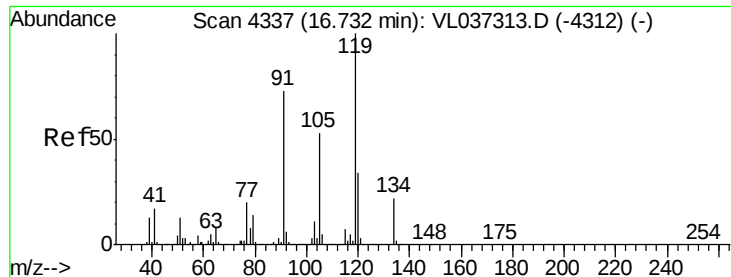
#64
n-propylbenzene
Concen: 0.189 ppbv m
RT: 15.55 min Scan# 3971
Delta R.T. 0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Tgt Ion	Ratio	Lower	Upper
120	100		
91	466.4	361.0	541.4



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.138 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.01 min

Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

Instrument :

MSVOA_L

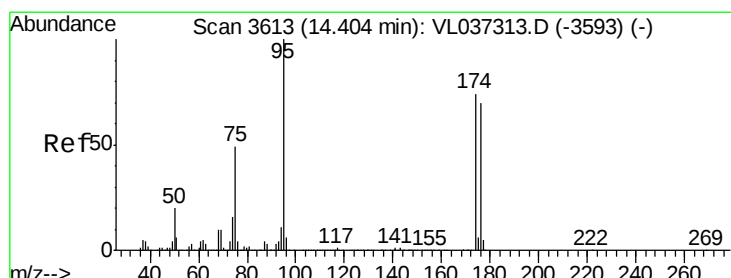
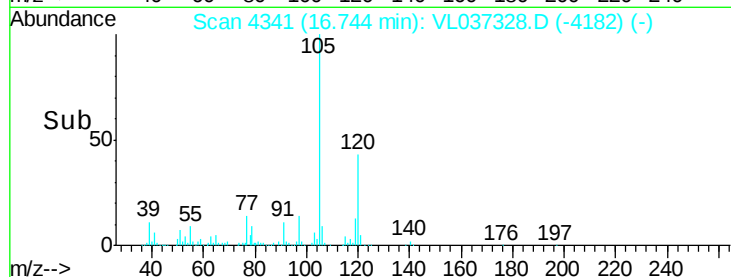
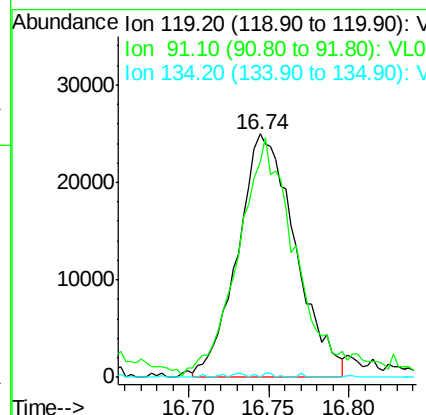
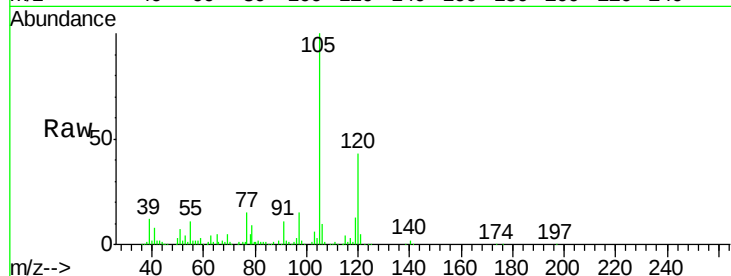
ClientSampleId :

IA-1

Tot Ion	Ratio	Resp	Lower	Upper
119	100	61646		
91	102.1	58.6	88.0#	
134	0.5	16.5	24.7#	

Manual Integrations
APPROVED

MMDadoda
8/5/2021 1:40:47 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 9.939 ppbv

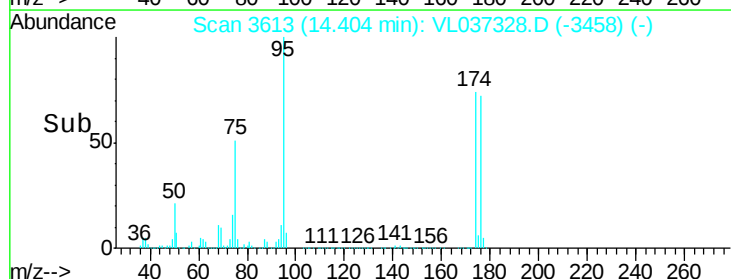
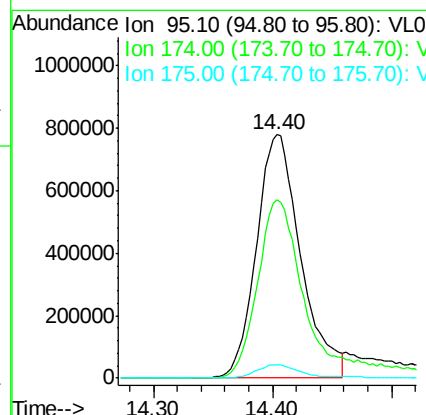
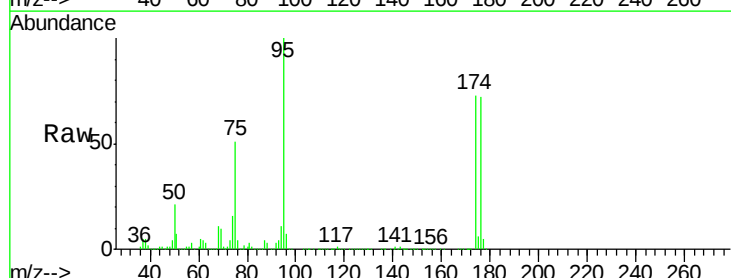
RT: 14.40 min Scan# 3613

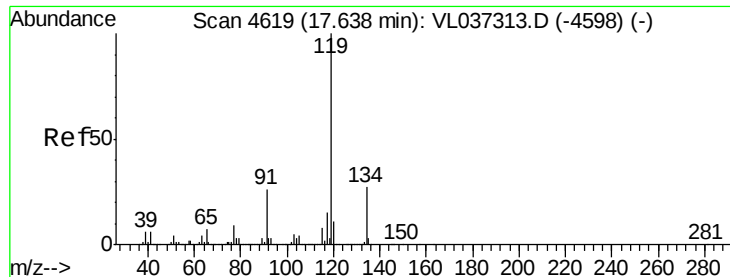
Delta R.T. -0.00 min

Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	2007334		
174	84.5	66.9	100.3	
175	6.4	5.1	7.7	





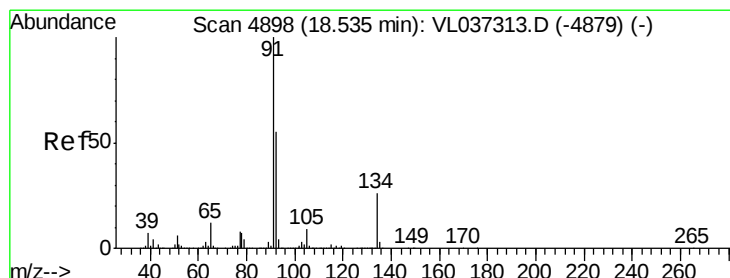
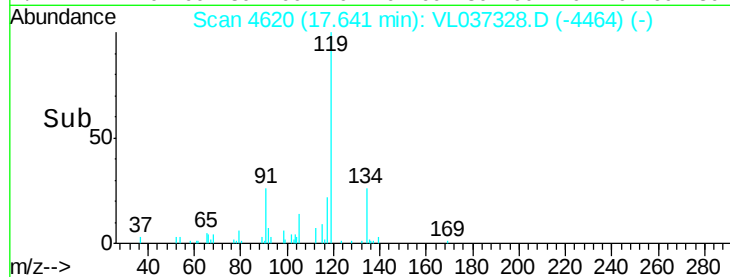
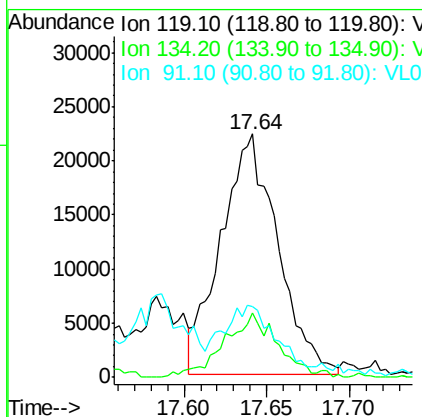
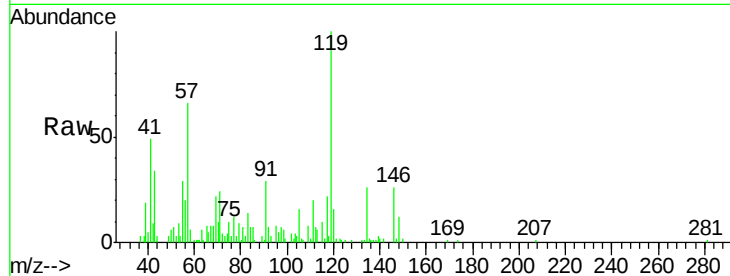
#69
 p-Isopropyltoluene
 Concen: 0.105 ppbv
 RT: 17.64 min Scan# 4620
 Delta R.T. 0.00 min
 Lab File: VL037328.D
 Acq: 5 Aug 2021 4:44

Instrument :
 MSVOA_L
 ClientSampled :
 IA-1

Tot Ion:	119	Resp:	53064
Ion Ratio	Lower	Upper	
119	100		
134	25.6	21.0	31.6
91	29.1	20.5	30.7

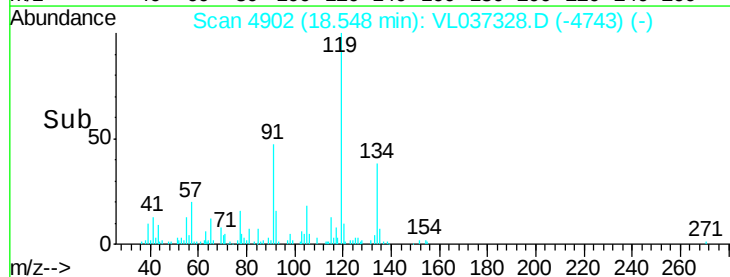
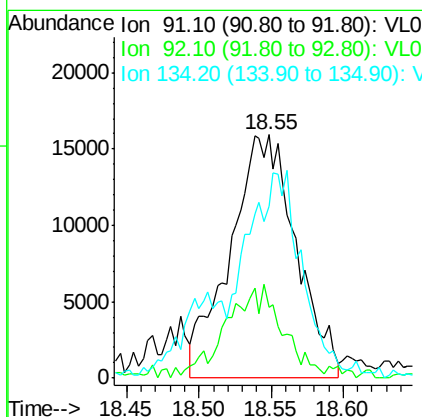
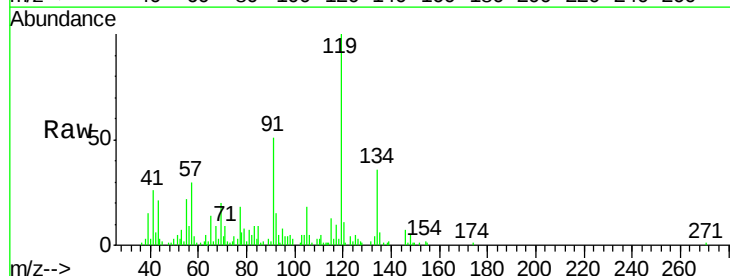
Manual Integrations
 APPROVED

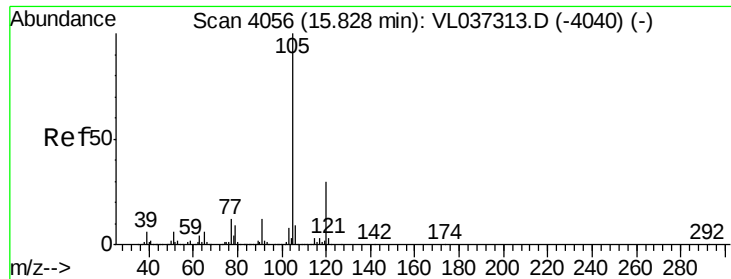
MMDadoda
 8/5/2021 1:40:47 PM



#70
 n-Butylbenzene
 Concen: 0.110 ppbv m
 RT: 18.55 min Scan# 4902
 Delta R.T. 0.01 min
 Lab File: VL037328.D
 Acq: 5 Aug 2021 4:44

Tgt Ion:	91	Resp:	50894
Ion Ratio	Lower	Upper	
91	100		
92	0.0	44.1	66.1#
134	0.0	20.6	31.0#





#72

4-Ethyltoluene

Concen: 0.326 ppbv

RT: 15.82 min Scan# 4055

Delta R.T. -0.00 min

Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

Instrument :

MSVOA_L

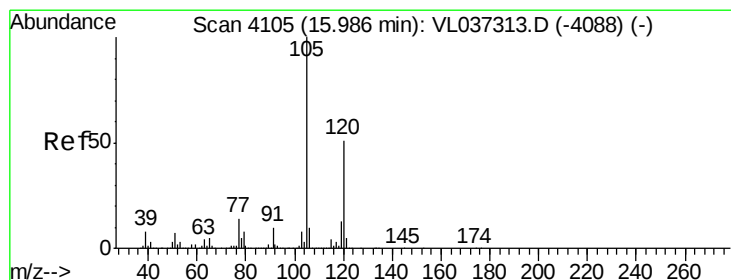
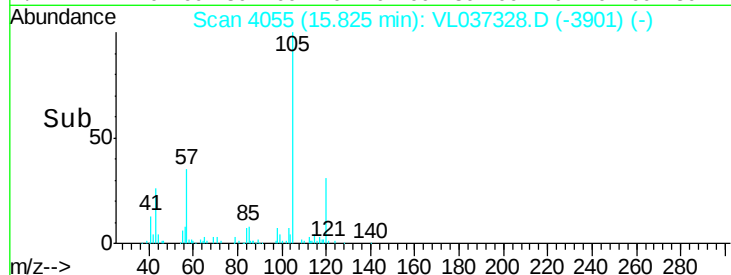
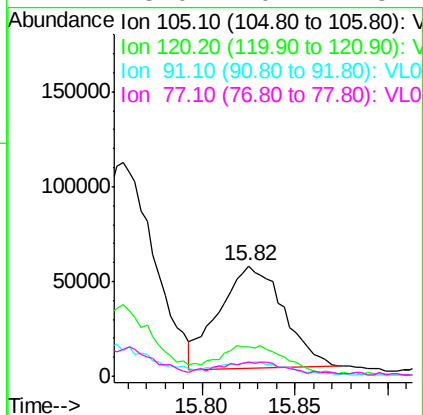
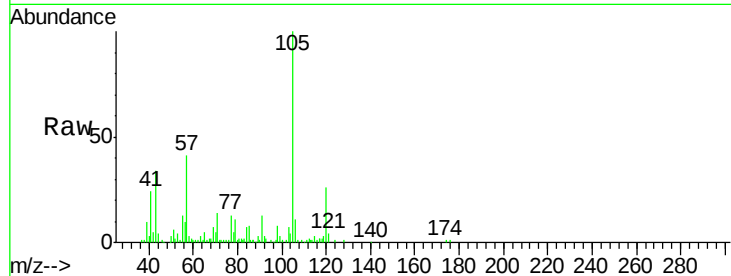
ClientSampled :

IA-1

Tot Ion	Ratio	Resp	Lower	Upper
105	100	130794		
120	35.2		25.6	38.4
91	14.0		9.4	14.2
77	18.0		10.2	15.4

Manual Integrations
APPROVED

MMDadoda
8/5/2021 1:40:47 PM



#73

1,3,5-Trimethylbenzene

Concen: 0.464 ppbv

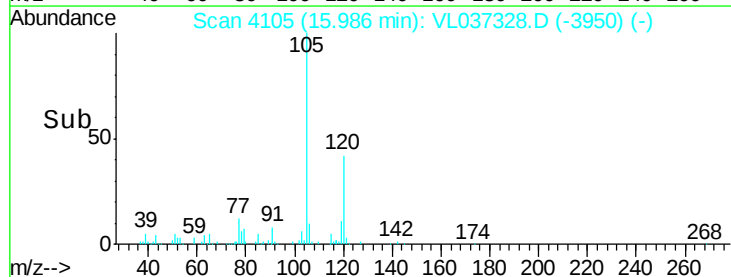
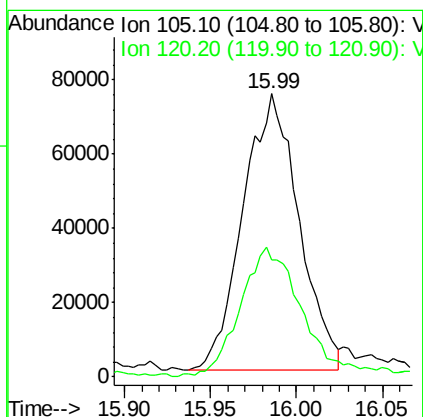
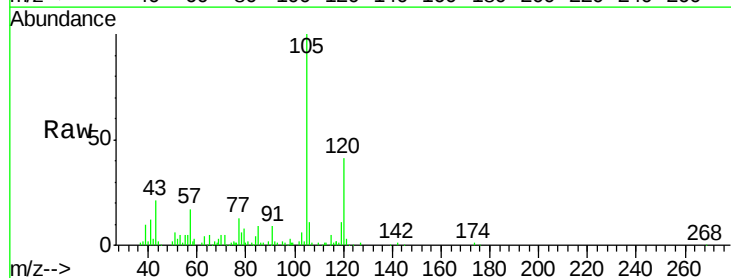
RT: 15.99 min Scan# 4105

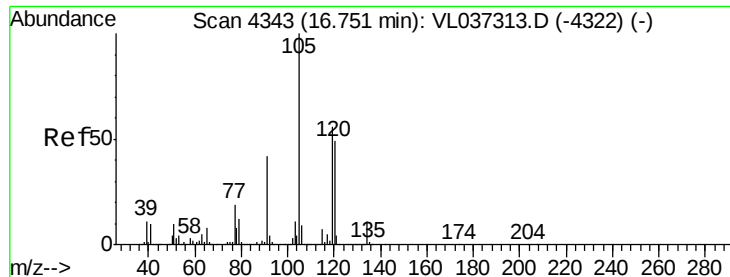
Delta R.T. -0.00 min

Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	167474		
120	41.2		40.4	60.6





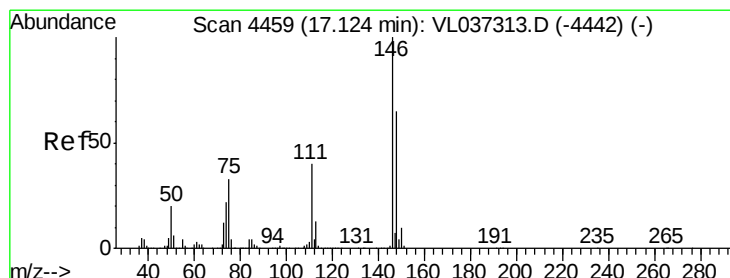
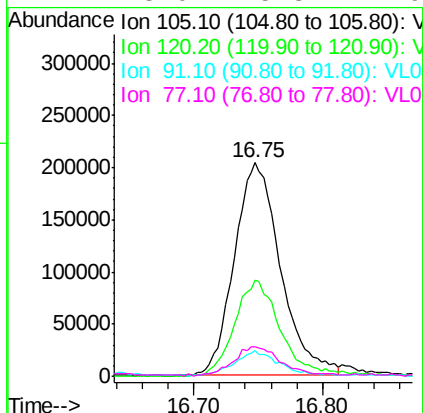
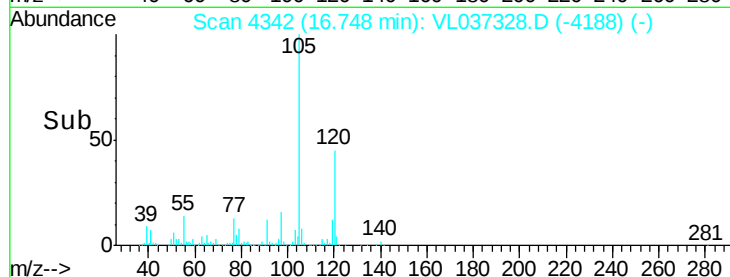
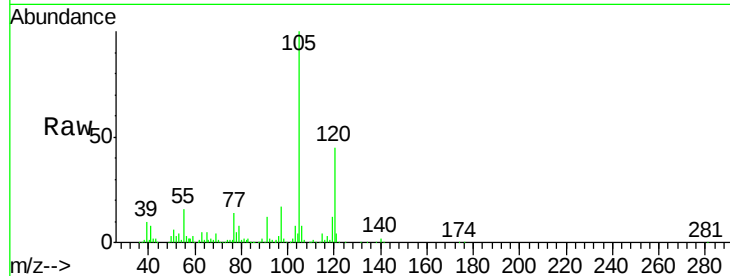
#74
 1,2,4-Trimethylbenzene
 Concen: 1.325 ppbv
 RT: 16.75 min Scan# 4342
 Delta R.T. -0.00 min
 Lab File: VL037328.D
 Acq: 5 Aug 2021 4:44

Instrument :
 MSVOA_L
 ClientSampled :
 IA-1

Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	45.1	39.6	59.4
91	12.0	34.5	51.7#
77	13.0	15.3	22.9#

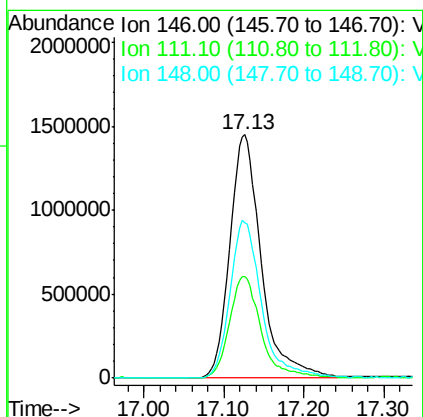
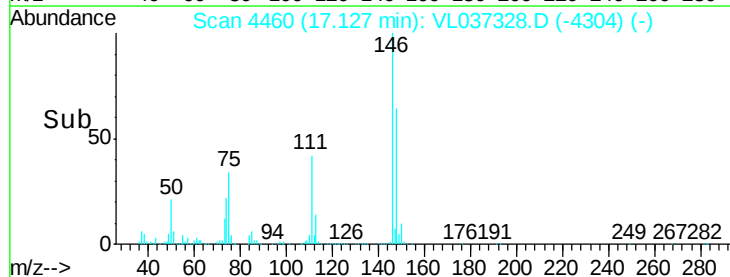
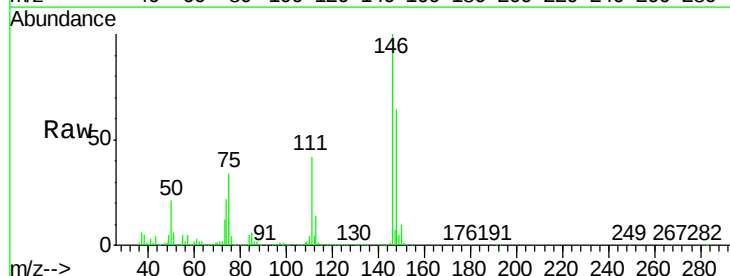
Manual Integrations
 APPROVED

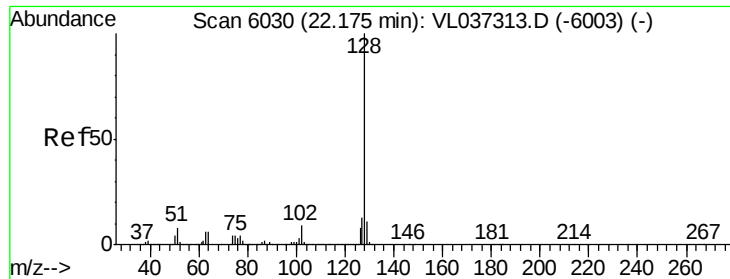
MMDadoda
 8/5/2021 1:40:47 PM



#76
 1,4-Dichlorobenzene
 Concen: 16.586 ppbv
 RT: 17.13 min Scan# 4460
 Delta R.T. 0.00 min
 Lab File: VL037328.D
 Acq: 5 Aug 2021 4:44

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
111	42.1	21.0	63.0
148	65.0	33.5	100.4





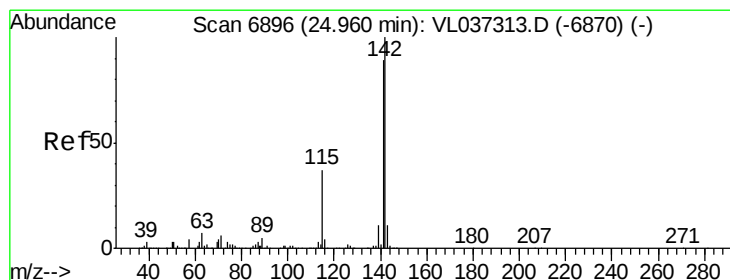
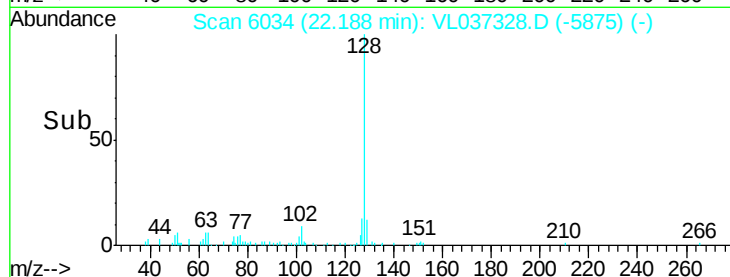
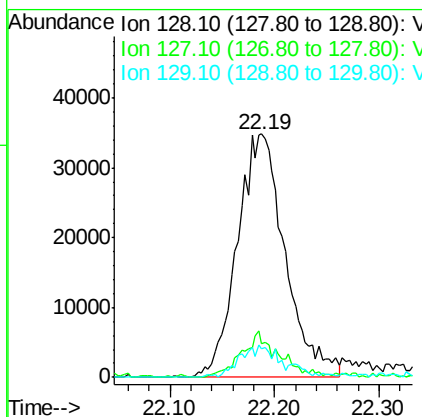
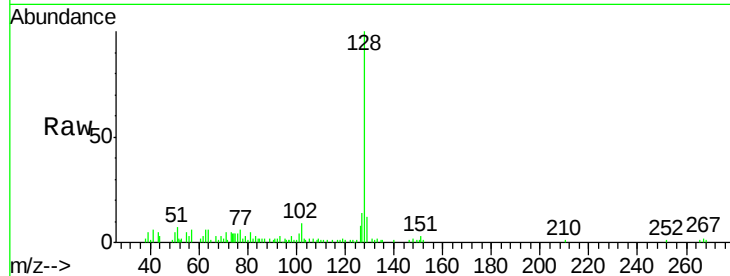
#79
Naphthalene
Concen: 0.314 ppbv m
RT: 22.19 min Scan# 6034
Delta R.T. 0.01 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tot Ion	Ratio	Resp	Lower	Upper
128	100	111015		
127	13.6	10.3	15.5	
129	11.6	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
8/5/2021 1:40:47 PM



#80
Naphthalene, 2-methyl-
Concen: 0.121 ppbv
RT: 24.95 min Scan# 6894
Delta R.T. -0.01 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	6937		
141	95.1	67.2	100.8	
115	31.5	27.9	41.9	

